



VICTORIA
GOVERNMENT GAZETTE.

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No. 156.]

THURSDAY, NOVEMBER 17.

[1927.]

No.	Number of Tenders.	Particulars of Contract.	Country of Manufacture or Production.	Amount.	Name of Contractor.
2234	..	Railway Stores Suspense Account, Act 2716, Section 105— Supply and delivery of Stores, as ordered from 1st July, 1927, to 30th June, 1929.	As per annex ..	Rates as per annex	As per annex

Melbourne, 11th November, 1927.

Schedule of Rates Contracts
FOR THE
SUPPLY OF STORES
TO THE
VICTORIAN RAILWAYS,
1927-1929.

(SEE FOLLOWING SCHEDULES.)

E. G. EYERS,

By order of The Victorian Railways Commissioners.

NAMES, ADDRESSES, ETC., OF CONTRACTORS.

Several of the contracts only cover a period of twelve months, and where a tender has been accepted for both periods, two contracts have been executed, and the contract for one year only, in each case, has been given an (a) number.

Where a contract has been accepted for one year only, as indicated by an (a) number, the deposit security may be released on completion of all orders placed during the currency of the contract, but where the contractor has executed two contracts for the two periods in question, the deposit security, if covering the whole, is not to be released until the whole of the service has been completed, unless otherwise directed by the Chief Storekeeper.

Name of Contractor.	Address.	Contract No.	Deposit Security.	Item Numbers.
Abel Lemon & Co. Pty. Ltd.	201 William-street, Melbourne	40635	£ 2	2408
Adams, Wm., & Co. Ltd. ..	521 Collins-street, Melbourne	40631	18	125, 535, 536, 555-561, 963, 1065, 1470-1499, 2730-2733
Albion Quarrying Co. Pty. Ltd.	328 Flinders-street, Melbourne	40637	85	2231-2234
Alexander & Paterson ..	12 McKillop-street, Melbourne	40645	56	1944, 2216
Alkemade Bros.	535 Little Lonsdale-street, Melbourne	40648	21	3020, 3020A, 3021, 3021A
Allen-Liversidge (Aust.) Ltd.	Laura-st., North Fitzroy	40633	135	3810-3812
Alston Soap & Candle Manufg. Co. Ltd.	Storey-street, Rozelle, N.S.W.	40639	42	2581, 2584, 2585
Andrew Jack, Dyson & Co. Pty. Ltd.	594 Lonsdale-street, Melbourne	40636	7	3243, 3244, 3246-3250
Australian Agency	447 Pitt-street, Sydney, N.S.W.	40642	14	1985
Australian Broom Co. Pty. Ltd.	St. George's-road, Northcote	40638	15	1924, 1924A
Australian Carbons Pty. Ltd.	34 Queen-street, Melbourne	40643	4	2338
Australian Gas Retort & Firebrick Manufg. Co.	Toorak-road, South Yarra	40647	75	3141, 3142, 3143, 3144, 3146, 3147
Australian General Electric Co. Ltd.	cr. Queen and Little Collins streets, Melbourne	40646 40646A	26	4264, 4304, 4330, 4334, 4342, 4387, 4403, 4428, 4429, 4520, 4533, 4543, 4560, 4561-4563, 4565, 4567-4570, 4579, 4588
Australasian Motor Accessories Co. Pty. Ltd.	321 Elizabeth-street, Melbourne	40640	6	2074, 2075, 2109, 2111-2114, 2133-2135
Australian Oxygen & Indust. Gases Pty. Ltd.	550 Latrobe-street, Melbourne	40634	120	3813, 3814, 5063
Australian Paper Mantres. Ltd.	Prince's-bridge, Melbourne	40632	401	3187-3190, 3195-3197, 3203, 3204, 3210-3215, 3291, 3292, 3302, 3310, 3322A-3324, 3325, 3332
Australian Reinforced Concrete Eng. Co. Ltd.	430 Little Collins-street, Melbourne	40644	12	1846
Australian Spark Plugs Pty. Ltd.	562 Spencer-street, Melbourne	40641	2	2108, 2110
Automatic Telephones Ltd. ..	Box 1883K, G.P.O., Sydney, N.S.W.	40649	3	4534, 4535, 4553, 4554
Ballarat Pottery Pty. Ltd. ..	Box 64, P.O., Ballarat	40659	30	3028B-3090
Baldwins & J.C.M. (Aust.) Pty. Ltd.	95 Queen-street, Melbourne	40669	43	1752
Ballarat Woollen & Worsted Co. Ltd.	Hill-street, Ballarat ..	40660	110	1938
Barnet Glass Rubber Co. Ltd.	287 Swanston-street, Melbourne	40658	59	2669, 2681, 2687, 2689, 2702, 2705, 2713, 2720, 2738, 2739, 2743, 3467
Beecham, H., & Co. Pty. Ltd.	624 Lonsdale-street, Melbourne	40664	1335	2773-2800, 2813-2816, 2821-2824, 2829-2832, 2837-2840, 2850-2858, 2863-2866, 2871-2874, 2879-2882, 2901-2916, 2918, 2920, 2922, 2941, 2945, 2947, 2948
Bedford, Wm. Ltd.	476 Little Lonsdale-street, Melbourne	40775	5	193, 258, 268A, 1106, 1114
Bell, J. R., & Co.	218 Latrobe-street, Melbourne	40656	86	629-631, 661-667, 672, 673, 693, 1751, 1799
Bell's Asbestos Aust. Agency Ltd.	541 Bourke-street, Melbourne	40653	22	52, 60, 2672, 2721, 2724, 2726
Bevan, E. P., & Son Pty. Ltd.	117 King-street, Melbourne	40652	15	37, 42-44, 326-329, 368, 381, 382, 738, 747, 763-765, 767, 2088, 2090-2092, 4202-4204, 4205A, 4206A

NAMES, ADDRESSES, ETC., OF CONTRACTORS—*continued.*

Name of Contractor.	Address.	Contract No.	Deposit Security.	Item Numbers.
Bishop, H. S.	382 Lonsdale-street, Melbourne	40666	£ 20	3199-3202, 3339, 3340
Black, J. G., Pty. Ltd.	5 Somerset-place, Melbourne	40654	15	65, 229-232, 238, 297, 299, 623-627, 645-648, 1027, 1030, 1033, 1178, 1179
Bockli, W.	422 Collins-street, Melbourne	40670	15	4721, 4724-4732, 4734-4737, 4741, 4742, 4744, 4746-4748, 4753-4756, 4759-4762, 4764, 4766, 4770-4772, 4775, 4776, 4778, 4779, 4783, 4785, 4788, 4790, 4793, 4796-4799, 4801-4804, 4806-4810, 4813, 4815-4823, 4825-4827, 4829-4833, 4835-4839, 4841-4844-4846, 4850-4853, 4858, 4859, 4861-4863, 4865, 4874, 4879, 4884, 4887-4891, 4895-4897, 4900, 4905, 4907
Brandt Bros. Pty. Ltd.	338 Elizabeth-street, Melbourne	40662	12	2143, 2144, 2171, 2194, 2195, 2205-2209
Briginshaw, E. P.	97 Elizabeth-street, Melbourne	40655	8	3455, 3479, 3480, 3482-3485, 3499, 3501, 3553-3556, 3567, 3568
Briscoe & Co. Ltd.	Little Collins-street, Melbourne	40651	85	17, 20, 32, 75, 162, 174-176, 214, 215, 236, 245, 256, 309, 318, 321, 351, 392, 486, 487, 490-499, 524-525, 609, 1287, 1335, 1337, 1338, 1339, 1342, 1363, 1369, 1623, 1708, 1739, 1912, 1933, 2146, 2173, 2174, 2430, 2449, 2451, 2580, 2589, 2590, 5060-5062, 5064
British Dyestuffs Corporation Ltd.	170 William-street, Melbourne	40663	8	2381
British General Elec. Co. Ltd.	590 Bourke-street, Melbourne	40661 40661A	42	1989, 4259, 4263, 4265, 4266, 4268, 4286-4296, 4335-4339, 4343, 4347-4354, 4361, 4362, 4369, 4370, 4373, 4391, 4397, 4409, 4445-4450, 4452, 4454, 4473, 4485, 4515, 4516, 4519, 4522, 4523, 4526, 4544, 4545, 4548, 4608, 4690
Broken Hill Pty. Co. Ltd.	422 Little Collins-street, Melbourne	40650	1410	1452, 1453, 1557-1569, 1651, 1655, 1659
British Imperial Oil Co. Ltd.	153 William-street, Melbourne	40665	115	2215, 2261A, 2263, 2277, 2282B, 2282C, 2591
British Insulated Cables Ltd.	499 Little Collins-street, Melbourne	40668 40668A	337	4530, 4531, 4624, 4625, 4639, 4649, 4670-4685, 4698
Brooks, Robinson & Co. Ltd.	59 Elizabeth-street, Melbourne	40657	235	2191, 2192, 2337, 2339, 2340, 2342, 2347, 2349, 2351, 2352, 2371, 2372, 2379, 2390, 2392, 2456, 2457, 2461-2465, 2468-2471, 2474-2479, 2482-2487, 2489-2492
Bryce, Robert, & Co. Pty. Ltd.	482 Collins-street, Melbourne	40667	20	2670, 2671, 2673, 4393-4396
Cairns, J. S.	cr. Young and Cecil streets, Fitzroy	40692	..	2651
Caldwell's Pty. Ltd.	Yarra Bank-road, South Melbourne	40683	..	3435, 3441, 3442
Cammell, Laird & Co. Ltd.	114 King-street, Melbourne	41049	117	1653, 1656A, 1661, 1663-1666, 1669
Campbell, A. L., & Co. Pty. Ltd.	278 Queen-street, Melbourne	40691	3	4356-4359, 4375-4386
Campbell, Walker & Co. Pty. Ltd.	411 Lonsdale-street, Melbourne	40682	12	133-139, 143, 144, 147-151, 187, 253, 271
Carrigan, J.	395 Collins-street, Melbourne	41051	94	2250-2252, 2255, 2260
Cash, W. E.	204 Sydney-road, Coburg	40677	17	901, 912, 927-929, 931, 932, 946-949, 1860
Chief Mechanical Engineer . . . . .	.. .. .	40672	..	2021-2023
Clark, N. G.	100 King-street, Melbourne	40686	5	3677, 3678, 3694
Clark, Robt. Ingham, & Co. (Aust.) Ltd.	17 Patrick-street, Melbourne	40763	5	2312, 2313

NAMES, ADDRESSES, ETC., OF CONTRACTORS—continued.

Name of Contractor.	Address.	Contract No.	Deposit Security.	Item Numbers.
Coates & Co. Pty. Ltd. ..	99 Queen-street, Melbourne	40674	£ 42	1500-1542, 2744, 3117, 3118, 3884A-3907A, 3909A-3983A
Cocks, Arthur, & Co. Ltd. ..	291 Little Collins-street, Melbourne	41092	5	2095
Cohen, S., Sons & Co. Pty. Ltd.	262 Queen-street, Melbourne	40671	45	2, 40, 49, 77-85, 104, 107, 121, 177, 180, 183, 192, 194, 196, 208, 259-261, 268, 269, 276, 277, 291, 317, 334-340, 350, 361, 365, 393, 417, 430, 442, 443, 459, 463, 470, 475, 503, 608, 610-615, 640, 649, 677-681, 683-687, 694-696, 699, 701, 703, 704, 706-708, 769, 850, 941, 942, 1907, 1925, 1928, 2145, 2148, 2164, 2170, 2175, 2176
Coles & Garrard ..	372 Bourke-street, Melbourne	40687	12	2095A, 2096
Collie, R., & Co. Pty. Ltd. ..	194 Little Lonsdale-street, Melbourne	40680	15	96, 3397, 3399, 3400, 3402, 3409, 3418, 3421, 3423, 3424, 3428
Collyer, R. W., & Son ..	14 Royal-lane, off Bourke-street, Melbourne	40689	14	2182-2187
Commercial Copying Co. (See Harding & Halden Sensitizing Co.)				
Commonwealth Oil Refineries Ltd.	313 Flinders-lane, Melbourne	41050	1543	2273, 2276, 2278-2280, 2283-2285
Concrete Constructions Pty. Ltd.	360 Collins-street, Melbourne	40673	62	3099A, 3100A, 3101A-3113A
Cooke, S., Pty. Ltd. ..	225 Queen-street, Melbourne	40681	14	3405-3408, 3410-3412, 3414, 3426, 3427
Cooper, E. H., Pty. Ltd. ..	59 William-street, Melbourne	40675	41	3216-3221, 3273-3278, 3282, 3285-3289, 3293, 3295, 3297-3300, 3303, 3304
Corder, H. J., Pty. Ltd. ..	62 Swanston-street, Melbourne	40685	12	2354, 2355, 2440, 2441, 2446
Cranbourne Sand Pty. Ltd. ..	14 Queen-street, Melbourne	40678	15	3129
Crosby, Wm., & Co. Pty. Ltd.	488 Collins-street, Melbourne	40679	1	45-48, 537
Cuning Smith & Co. Pty. Ltd.	65 William-street, Melbourne	40688	..	3665-3672
Currie & Richards Pty. Ltd. . .	473 Elizabeth-street, Melbourne	40676	28	832, 855, 898, 913, 914, 916, 936-940
Cyclone Fence & Gate Co. Pty. Ltd.	189 William-street, Melbourne	40690	1	1849
Dalgety & Co. Ltd.	461 Bourke-street, Melbourne	40697	522	2000, 2003-2013, 3837, 3838
Dane Taylor & Co.	501 Latrobe-street, Melbourne	40697A 40707	11	2722, 4368
Danks, J., & Son Pty. Ltd. . .	391 Bourke-street, Melbourne	40695	90	122, 833, 834, 836-838, 842, 844, 846, 886-889, 900, 903-910, 917-922, 935, 957, 962, 964, 965, 983-988, 1001, 1002, 1006-1019, 1024-1026, 1036-1040, 1051, 1054, 1055, 1057-1064, 1072, 1074, 1076, 1084-1086, 1095, 1099-1102, 1103-1106, 1107-1109, 1112, 1113, 1115, 1116, 1119-1129, 1133-1136, 1138, 1139, 1142-1144, 1145, 1146, 1148-1155, 1157, 1159-1161, 1163-1169, 1171-1177, 1180-1186, 1366, 2147, 2357, 3014, 4879A, 4880, 4883, 4884A-4886, 4903, 4907A
David Mitchell Estate ..	Oliyer's-lane, off 142 Flinders-street, Melbourne	40803	2	3024, 3025
Davies, Baird & Robertson Pty. Ltd.	29 Brunswick-road, Brunswick	40696	138	1240-1245
Davies Shephard Pty. Ltd. . .	34 Clarke-street, South Melbourne	40694	17	841, 843, 845, 847, 1068-1070
Dean, W. & G., Pty. Ltd. . .	Equitable-place, Melbourne	40698	32	2341, 2344, 2348, 2361, 2362, 2378, 3342, 3343, 3647, 3650-3652, 3682, 3683, 3695, 3698

NAMES, ADDRESSES, ETC., OF CONTRACTORS—continued.

Name of Contractor.	Address.	Contract No.	Deposit Security.	Item Numbers.
Dickinson, John, & Co. (Aust.) Ltd.	337 Latrobe-street, Melbourne	40699	452	3198, 3271, 3272, 3279, 3281, 3284, 3296, 3301, 3307-3309, 3311, 3312, 3318, 3320, 3322, 3324A, 3325A-3327, 3329, 3330, 3333
Domestic Engineers & Plumbers Supplies Co. Pty. Ltd.	383 Latrobe-street, Melbourne	40703	..	835; 851
Donaghy, M., & Sons Pty. Ltd.	387 Flinders-street, Melbourne	40701	238	2033-2038, 2041, 2046-2057
Dott & Co. Pty. Ltd. ..	Langford-street, North Melbourne	40701A 40704	51	2177, 2178, 2180, 2181, 2188, 2196, 2198-2204
Dowie Bros. ..	Carisbrook ..	40917	12	3135
Downs & Son Pty. Ltd. ..	Tinning-street, Brunswick	40700 40700A	8	2032, 2039, 2040, 2042-2045, 2058
Duckett, E., & Sons ..	374 Lonsdale-street, Melbourne	40693 40963A	1095	19, 33-35, 61, 69-71, 90, 100-103, 128-132, 140, 161A, 186, 188-191, 195, 197, 198, 206, 207, 218, 220-222, 233, 249-252, 255, 264-266, 270, 272, 279-281, 284, 298, 302, 360, 362, 369, 371-373, 383, 388-389, 391, 397-399, 414, 415, 436, 440, 441, 451, 466, 467, 501, 514, 515, 517, 522, 526, 628, 634, 638, 641-644, 651-656, 660, 670, 671, 676, 682, 689, 690, 697, 698, 700, 702, 705, 711-718, 733, 768, 770, 849, 898A, 950, 1375-1390, 1393-1407, 1553-1556, 1624-1649, 1673-1703, 1740, 1742, 1744, 1747, 1750, 1761-1766, 1850-1853, 2436, 4153, 4162; 4164, 4166, 4168, 4170, 4172, 4210, 4211, 4213, 4214, 4216, 4219
Dunlop Rubber Co. of Aust. Ltd.	108 Flinders-street, Melbourne	40702	138	831, 2073, 2631, 2632, 2667, 2668, 2675-2680, 2682-2686, 2688, 2690-2692, 2696-2698, 2703, 2704, 2708-2712, 2714, 2715, 2717, 2719, 2725, 2741, 2742, 2745-2749, 3450-3453, 3796, 3800, 4274-4274c, 4280-4283, 4451
Dyes & Chemicals (Aust.) Ltd.	573 Lonsdale-street, Melbourne	40705	38	2382-2385
Eagle & Globe Steel Co. Ltd.	342 Swanston-street, Melbourne	40711	2	542, 543, 547-554
Earlston Pty. Ltd. ..	328 Flinders-street, Melbourne	40709	15	3128
Edinburgh Varnish Works Pty. Ltd.	Burrows-street, Middle Brighton	40720	136	2310, 2311, 2314, 2316, 2320, 2321, 2324A, 2401A
Edison Swan Elec. Co. Ltd. ..	368 Little Collins-street, Melbourne	40718 40718A	92	4267, 4340, 4432, 4433, 4435, 4464, 4470, 4489, 4506, 4657-4669, 4688, 4689, 4713
Edna Firebrick Co. Pty. Ltd.	443 Little Collins-street, Melbourne	40719	12	3145; 3148
Edmondson, J., & Son Pty. Ltd.	30 Collins-place, Melbourne	41052	9	1944A
Edmunds Bros. & Co. ..	107A Flinders-lane, Melbourne	41058	15	5051-5054, 5057, 5057A
E.G.A. Co. ..	175 King-street, Melbourne	40715	2	852, 861
Elder Smith & Co. Ltd. ..	95 William-street, Melbourne	40708 40708A	252	1192; 1193, 1194, 1195, 1196, 1197, 1198, 1199, 1391, 1392
Electrolytic Refining & Smelting Co. of Aust. Ltd.	125 William-street, Melbourne	40716	41	3692
Enfield Cables Works (Aust.) Ltd.	337 Kent-street, Sydney, N.S.W.	40721A	7	4651-4654
Evans Bros. Pty. Ltd. ..	1 Queen-street, Melbourne	40722	20	3020B, 3022, 4651-4654
Evans, Evan, Pty. Ltd. ..	680 Elizabeth-street, Melbourne	40712	18	1919, 2223

NAMES, ADDRESSES, ETC., OF CONTRACTORS—continued.

Name of Contractor.	Address.	Contract No.	Deposit Security.	Item Numbers.
Evans, Thos., Pty. Ltd. ..	371 Bourke-street, Melbourne	40710	£ 15	2017
Excelsior Broom Co. ..	cr. Park and Best streets, North Fitzroy	40713	20	2502, 2519
Eyelets Pty. Ltd. ..	42 Green-street, Windsor	40717	2	2224
Fahle & Whiting ..	215 Esplanade West, Port Melbourne	40727	11	3191-3193, 3207, 3208
Falk, Stadelmann & Co. Ltd.	380 Lonsdale-street, Melbourne	40728 40728A	18	2157, 2165-2167, 2179, 4260, 4261, 4695
Farquharson Bros. (Aust.) Ltd.	499 Little Collins-street, Melbourne	40723	2	3361, 3371
Federal Woollen Mills Pty. Ltd.	North Geelong ..	40726	785	1995-1998
Felton, Grimwade & Co. Pty. Ltd.	342 Flinders-lane, Melbourne	40725	45	782, 784, 3521, 3577, 3578, 3580, 3582-3587, 3589, 3590, 3593-3597, 3599-3604, 3606, 3607, 3609-3613, 3648, 3649, 3653-3661, 3664, 3673, 3674, 3676, 3681, 3688, 3689, 3697, 3699-3701, 3703-3708, 3717, 3719, 3722-3724, 3729, 3730, 3733-3736, 3740-3742, 3747-3751, 3754, 3757, 3759-3761, 3763-3765, 3767, 3773-3775, 3778-3786, 3788, 3790, 3792-3795, 3801 1470A-1499A, 3884-3983
Firdaw Eng. Supply Co. Pty. Ltd.	310 Spencer-street, Melbourne	41053	44	1470A-1499A, 3884-3983
Foster, C. R. ..	588 Bourke-street, Melbourne	40731	54	4525, 4536, 4541, 4542, 4546, 4551, 4552, 4555-4558, 4571, 4573, 4574, 4580, 4586, 4600, 4601, 4607, 4619
Frank & Bryce Ltd. ..	109 Flinders-lane, Melbourne	40724	15	1979-1982, 2061
Francis, H., & Co. ..	280 Bourke-street, Melbourne	40730	10	3737-3739, 3802
F.R.S. Ideal Spring Co. Ltd. . .	33 Arden-street, North Melbourne	40729	15	1801-1803, 1811-1816
Gabb, C. R., & Co. ..	88 Franklin-street, Melbourne	40737	11	3233-3235, 3238-3242
Gair Manufacturing Co. Pty. Ltd.	480 Elizabeth-street, Melbourne	40733	71	1905, 1914-1918, 1926, 1948, 1952, 1956, 1962, 2014, 2015, 2024-2027, 2222, 2227
Galliers & Klaerr Pty. Ltd. ..	Inkerman-street, St. Kilda	40735	84	278, 282A, 1028, 1031, 1034, 1041-1050, 1087-1089, 1092-1094, 1096-1098, 1110-1111, 1117, 1118, 1130-1132, 1137, 1137A, 1141, 1147-1147B, 1156, 1158, 1162, 1170
Gardner Waern & Co. Pty. Ltd.	481 Flinders-street, Melbourne	40919	9	2602-2617, 2626-2629
Good, J. T. ..	Stawell ..	40741	10	4594
Gordon & Gotch (Aust.) Ltd.	511 Little Collins-street, Melbourne	40736	25	3268, 3280, 3294, 3319
Gray, J. A. ..	515 Collins-street, Melbourne	40734	1	541, 544, 545
Grays Pty. Ltd. ..	Blackshaws-road, Newport	40740	15	521
Green, C. S., & Son ..	368 Post Office-place, Melbourne	40732	22	13-15, 29, 30, 50, 53-57, 105, 123, 165, 352, 390, 403-405, 409, 410, 456, 457, 472, 481-485, 488, 509
Greer & Ashburner ..	26 Franklin-street, Melbourne	40738	20	1746, 1770, 1772, 1775, 1777, 1778, 1783, 1785, 1786, 1788-1796, 1800
Guthrie, G. D., & Co. Pty. Ltd.	Epsom ..	40739	30	861, 3028A-3039
G. & D. Manufg. Co. Pty. Ltd.	73A Tanner-street, Richmond	40918	10	4474, 4475, 4478-4482, 4486-4488, 4501, 4502, 4504
Hardie, James, & Co. Ltd. ..	581 Little Collins-street, Melbourne	40744	26	3000-3007, 3009, 3010
Hardie Trading Pty. Ltd. ..	581 Little Collins-street, Melbourne	40755	90	1944B, 2001, 2630, 3662, 3663, 3684, 3691, 3711-3712, 3715, 3721
Harding & Halden Sensitizing Co. (Overseas) Ltd.	c/o Commercial Copying Co., 422 Collins-street, Melbourne	40751	44	3344-3351

NAMES, ADDRESSES, ETC., OF CONTRACTORS—*continued.*

Name of Contractor.	Address.	Contract No.	Deposit Security.	Item Numbers.
Hardware Co. of Aust. Pty. Ltd.	71 Queen's Bridge-street, South Melbourne	40742	£ 66	353, 354, 363, 452, 453, 460-462, 464, 465, 469, 471, 472B, 502, 505-507, 517A, 519, 520, 523A, 546, 563, 564, 657-659, 1709, 1710, 1712
Hardware & General Agency Harrison, San Miguel Pty. Ltd.	442 Lygon-street, Carlton 96 Franklin-street, Melbourne	40750 40754	4 6	263 3820, 3821, 3824-3827
Hartley, Wm., Pty. Ltd.	286 Post Office-place, Melbourne	40752	2	303, 312
Harvey, Alfred, Pty. Ltd.	528 Collins-street, Melbourne	40761	12	4527, 4537, 4540, 4547, 4550, 4559, 4575, 4598
Harvey, Shaw & Drake Pty. Ltd.	560 Lonsdale-street, Melbourne	40746	10	22, 23, 41, 1877, 1878, 1881, 1882, 1886, 1891
Healing, A. G., Ltd.	Post Office-place, Melbourne	40748	36	801-810, 812, 814, 815, 817-826, 2076-2087, 2093, 2094, 2097, 2098, 2099, 2101, 2103, 2115, 2117, 2119-2124, 2129, 2130, 2136-2138
Henleys, W. T., Tele. Works Co. Ltd.	205 William-street, Melbourne	40760	9	4443, 4444, 4655, 4656, 4691, 4692, 4700-4712
Herbert, Alfred, (Aust.) Ltd.	503 Kent-street, Sydney, N.S.W.	40745	5	4989-4991, 4993, 4994
Hicks, J.	Officer P.O.	40758	1	3091
Hicks, Atkinson & Sons Pty. Ltd.	348 Collins-street, Melbourne	40749	59	273-275, 1903, 1904, 1906, 1908, 1913, 1920, 1940, 1941, 1945-1947, 1953-1955, 1959, 1965-1978, 1986, 1988, 1990, 3743, 3766, 3770-3772, 3787, 3803, 3804, 3806
Hillgrove Metals	151 Clarence-street, Sydney, N.S.W.	40759	60	1288
Hoffman Brick & Potteries Ltd.	123 Queen-street, Melbourne	40757	124	859, 862-867, 878-880, 3028-3088
Hopkins Bros. & Odum Pty. Ltd.	Leicester-street, Carlton	40756	—	2089
Howe & Co. Pty. Ltd.	75 High-street, Preston	41376A	31	2642B, 2643C, 2643E
Hume Pipe Co. (Aust.) Ltd.	cr. King and Little Collins streets, Melbourne	40753	63	3097-3099, 3100, 3101-3113
Hunt, S. F.	Warrandyte-road, Ringwood	40747	8	1892, 1893, 1899
Inglis, Smith & Co.	Little Dock, Spencer-street, Melbourne	40762	11	1707-1707B, 1711, 2235
Johnson & Phillips Ltd.	489 Flinders-street, Melbourne	40767A	4	4696
John, M. B., Pty. Ltd.	120 Lydiard-street, Ballarat	40765	7	1029, 1032, 1035, 1077-1083
Johnston's Pty. Ltd.	188 Gertrude-street, Fitzroy	40766	15	1929-1932
Jones, Harold A.	115 Elizabeth-street, Melbourne	40764	7	3845
Kelly, J. L.	455 Macaulay-road, Kensington	40768	5	4257
Kemp & Sheehan Pty. Ltd.	142 Little Collins-street, Melbourne	40769	14	897, 902, 915, 923-926
Kitchen, J., & Sons Pty. Ltd.	Ingles-street, Port Melbourne	40772	20	160, 161, 163, 2578, 2583, 2586, 2587
Knox, Schlapp & Co.	360 Collins-street, Melbourne	40771	112	1255-1271
Kodak (Aust.) Pty. Ltd.	284 Collins-street, Melbourne	40770	37	3579, 3581, 3591, 3592, 3598, 3605, 3614-3625, 3627-3642
Lamson Paragon Ltd.	1 Swan-street, Richmond	40779	9	3171
Lascelles, Parrington Ltd.	101 King-street, Melbourne	40778	15	385, 396, 400, 401, 444, 576, 577, 4329, 4408, 4410-4413, 4425-4427, 4466, 4468, 4483, 4484, 4524
Lawrence & Hansen Elec. Co. Ltd.	172 William-street, Melbourne	40781 40781A	50	4269, 4374, 4388, 4453, 4469, 4497-4499, 4507, 4508, 4549, 4597, 4602, 4686, 4687, 4693, 4694
Leahy, H. M. A.	175 Victoria-road, Marrickville, Sydney, N.S.W.	40776	6	1927

NAMES, ADDRESSES, ETC., OF CONTRACTORS—*continued.*

Name of Contractor.	Address.	Contract No.	Deposit Security.	Item Numbers.
Lillington, C. H.	71, Victoria-street, Williamstown	40782	£—	2723
Linoleum Mfg. Co. of Aust. Ltd.	Australia House, Wynyard-square, Sydney, N.S.W.	40777	67	1922, 1923, 1958
Lion Rolling Mills Pty. Ltd.	Grant-street, South Melbourne	40774	1,321	1411-1428, 1436-1446, 1449, 1570-1590, 1596-1614, 1619, 1622
Lodge, Gilbert, & Co. Ltd. ..	188 King-street, Melbourne	40773	49	1512B-1542B, 1556A, 1957, 2018, 3913B-3983B
Lux Light Co. of Victoria ..	474 Flinders-street, Melbourne	40780	3	2149-2151
Maicaud, Lund, & Co. Ltd. ..	360 Post Office-place, Melbourne	40792	3	2450
Macleod, N., & Co.	403 Lonsdale-street, Melbourne	40799	30	2310B, 2311B, 2318, 2402
McCulloch, R. W., & Co. ..	90 Queen-street, Melbourne	40809	15	3136
McIver, S. K.	30, Little Bridge-street, Ballarat	40805	45	282, 856-858
McIlroy & Plowman Pty. Ltd.	Sackville-street, Collingwood	40810	4	2654
McKay, H. V., Pty. Ltd. ..	Sunshine	40806	17	4008
McLean, Wm., & Co.	127 Elizabeth-street, Melbourne	40807	6	839, 840
McMicking & Co.	362 Little Collins-street, Melbourne	40808	37	2156, 3836, 3839
McPhersons Pty. Ltd. ..	582 Collins-street, Melbourne	40808A 40804	614	3-12, 21, 58, 59, 94, 95, 154-158, 172, 173, 181, 184, 185, 203, 225-228, 234, 235, 237, 283, 301, 307, 308, 310, 311, 323, 332, 357-359, 366, 384, 402, 408, 412, 435, 437-439, 472A, 516, 531-534, 540, 562, 571, 572, 575, 617-620, 633, 635, 636, 639, 718A-725, 727-729, 743, 744, 748, 752, 756-760, 771, 791-793, 796, 813, 827, 899, 1066, 1067, 1071, 1073, 1075, 1090, 1091, 1208-1213, 2699, 2700, 2740, 4000-4007, 4009, 4010, 4013, 4014, 4017-4023, 4033, 4036-4040, 4044-4049, 4051, 4053-4059, 4062-4064, 4066, 4067, 4069, 4072-4086, 4088, 4091, 4093-4100, 4102-4104, 4111-4115, 4117, 4118, 4123, 4125-4132, 4134-4139, 4142, 4144-4147, 4182-4188, 4190-4201, 4212, 4215, 4217, 4218, 4221, 4222, 4224-4230, 4232-4252, 4592, 4595, 4596, 4718
McPherson's Pty. Ltd. (as Agents for Hoskins Iron & Steel Co.)	582 Collins-street, Melbourne	40743	299	1452A, 1453A, 1650, 1654, 1657, 1667
Melbourne Steamship Co. Ltd.	31 King-street, Melbourne	40791	138	3152, 3152A
Melbourne Wire Works ..	286A Little Collins-street, Melbourne	40798	12	1755-1760, 1780-1782, 1784, 1787, 1797, 1798, 1805, 1809, 1844, 1847
Metropolitan Switchgear Pty. Ltd.	Kelvin-place, 117 Cardigan-street, Carlton	40801	1	4270-4272, 4298-4300
Mica Products Pty. Ltd. ..	94 Queen-street, Melbourne	40802	5	4360, 4363-4366
Michaelis, Hallenstein, & Co. Pty. Ltd.	441 Lonsdale-street, Melbourne	40789	50	583, 587-589, 592, 594, 596, 599, 2633, 2645, 2648, 2652, 2656-2659
Millars Timber & Trading Co. Ltd.	Queen's-bridge, Melbourne	40795	6	2771, 2772
Miller, James, & Co. Pty. Ltd.	357 Little Collins-street, Melbourne	40790A	7	2059, 2060, 2062
Mining Supplies Co. ..	450 Flinders-lane, Melbourne	40784	12	511, 512, 523

NAMES, ADDRESSES, ETC., OF CONTRACTORS—continued.

Name of Contractor.	Address.	Contract No.	Deposit Security.	Item Numbers.
Mitchell, David, Estate ..	Oliviers-lane, off 142 Flinders-street, Melbourne	40803	£ 2	3024, 3025
Mitchell, Thos., & Co. Pty. Ltd.	360 Lonsdale-street, Melbourne	40788	1	257, 675, 2503-2505
Mollison Sand & Gravel Co. Pty. Ltd.	430 Little Collins-street, Melbourne	40786	22	3130
Montgomery, R., & Co. Pty. Ltd.	90 King-street, Melbourne	40793	5	3822, 3823, 3828-3833
Moore, James, & Sons Pty. Ltd.	City-road, South Melbourne	40800	—	2992, 2993
Morland Metal Co. Ltd. ..	596 Little Bourke-street, Melbourne	40796	78	1365, 1367
Morton, B. K., Pty. Ltd. ..	512 Little Collins-street, Melbourne	40783A	8	1715-1726
Morton, E. L.	415 Little Bourke-street, Melbourne	40787	12	3557-3560, 3563-3566
Mt. Lyell Mining & Railway Co. Ltd.	381 Little Collins-street, Melbourne	40797	12	3715A, 3716
Mowling, G., & Son ..	Whitehall-street, Footscray	40794	40	2577, 2588
Muir, J. & T., Pty. Ltd. ..	72 Leveson-street, North Melbourne	40785	16	955, 956, 958-961, 966-982, 989-1000, 1003-1005
Neptune Oil Co. Ltd. ..	River-street, Richmond	40814 40814A	35	794, 795, 2220, 2259, 2303
Neville, Smith, & Co. ..	326 Flinders-lane, Melbourne	40867	150.	2950, 2951, 2954
Newman, S. B.	10 Florence-road, Surrey Hills	40812	23	3151
Nicholls, A., & Co. ..	Luton-street, Glenferrie	40815	19	2226, 2236, 2237
Nixon, Joseph, & Sons ..	Mark-street, North Melbourne	40811	120	1217-1219, 1221, 1222
Noyes Bros. (Melb.) Pty. Ltd.	499 Bourke-street, Melbourne	40813 40813A	366	1273-1281, 1289-1334, 4301, 4302, 4306, 4307, 4389, 4392, 4399-4402, 4414-4424, 4436, 4438-4442, 4461-4463, 4465, 4467, 4471, 4490-4496, 4500, 4503, 4505, 4509-4514, 4518, 4521, 4589, 4657A-4660A, 4688A, 4689A, 4697, 4717, 4719, 4720
Nulife Manufacturing Co. ..	33 Barwise-street, North Melbourne	40816	15	4538A
Ordish Firebrick Co. Pty. Ltd.	Stud-road, Dandenong ..	40821	133	3141A, 3142A, 3143A, 3144A, 3146A, 3147A
Ormonoid Roofing & Asphalts Ltd.	Mentmore-avenue, Waterloo, Sydney, N.S.W.	40817	2	3015
Orr, J. A., & Co. Pty. Ltd. ..	385 Post Office-place, Melbourne	40820	8	1963
Orton & Burns	27 a'Becket-street, Melbourne	40819	2	883
Oxygen Service & Manufacturing Co. Pty. Ltd. ..	67 Roden-street, West Melbourne	40818	95	3815
Oxymel Oil & Paint Co. Pty. Ltd.	35 Yarra Bank-road, South Melbourne	40822	1	2315
Pakenham Firebrick, Pipe, & Tile Co.	Pakenham East ..	40833	15	3145A
Parker, A. P.	Lal Lal	40829	—	3133
Parry, A. H., & Co.	c/o A. T. Burton, 634 Bourke-street, Melbourne	40832	12	2952, 2953, 2991, 3227, 3228, 3230-3232
Paterson, R. C., & Co. Pty. Ltd.	454 Little Collins-street, Melbourne	40824	15	3496, 3497, 3515, 3546, 3550
Patience & Nicholson Ltd. ..	Railway-street, Maryborough	40825	30	4915, 4919, 4922, 4923, 4927-4931, 4934, 4935, 4939-4943, 4946, 4947, 4954-4988, 4992, 4995-5033, 5033-5046
Paul & Gray Ltd.	King-street, Melbourne	40831	1	2225
Pencarbon Co. (Aust.) Ltd. ..	499 Little Collins-street, Melbourne	40826	2	3362

NAMES, ADDRESSES, ETC., OF CONTRACTORS—*continued.*

Name of Contractor.	Address.	Contract No.	Deposit Security.	Item Numbers.
Perdriau Rubber Co. Ltd. (Victorian Branch)	130 Flinders-street, Melbourne	40835	£ 11	2693-2695
Permewan Wright Ltd. . . .	185 William-street, Melbourne	40830	12	3134
Pitt, Joshua, Pty. Ltd. . . .	Gadd-street, Northcote	40834	136	2595-2601, 2634, 2639, 2641
Pizzey, Geo., & Son Ltd. . . .	Johnston-street, Fitzroy	40836	52	2635-2638, 2640, 2647, 2649, 2650, 2653
Plasteroid Ceiling Co. . . .	Pitt-street, Flemington	40823	64	2998, 2999, 3008
Premier Wire Works Pty. Ltd.	Meaden-street, South Melbourne	40827	3	1741, 1743, 1745
Proud Bros. Pty. Ltd. . . .	49 Dudley-street, West Melbourne	40828	9	781, 790
Radford Co.	372 Post Office-place, Melbourne	40840	12	1875, 1876, 1884, 1885, 1887-1890, 1894
Ramsay & Hall Pty. Ltd. . . .	383 Johnston-street, Abbotsford	40841	53	3360, 3363, 3364, 3366, 3368-3370, 3372-3380, 3385, 3386, 3387, 3388, 3389, 3390, 3391-3393
Ramsay & Treganowan Ltd.	475 Latrobe-street, Melbourne	41054	125	2243A, 2245A, 2258, 2264, 2265
Read, A. J.	116 Curzon-street, North Melbourne	41054A 40839	12	4153, 4156, 4159-4161, 4163, 4165, 4167, 4169, 4171, 4173-4181
Redmond, Inglis & Co. . . .	Therry-street, Melbourne	40844	33	3153-3157, 3162-3166, 3172, 3174, 3180
Robertson & Mullens Ltd. . . .	107 Elizabeth-street, Melbourne	40845	9	3466, 3491, 3498, 3500, 3502, 3514
Robertson, Daniel	262 King-street, Melbourne	40843	12	3026, 3027
Rowe, H., & Co.	Mill-place, Melbourne . .	40847	2	4390
Royal Victorian Institute for the Blind	St. Kilda-road, Prahran	40838	65	2065-2071, 2496, 2498, 2500, 2501, 2507, 2510, 2515, 2517, 2518, 2521-2523, 2527, 2528A-2530, 2533, 2535, 2539-2541
Russell, George, Pty. Ltd. . . .	454 Flinders-street, Melbourne	40837 40837A	84	164, 267, 504, 1727-1734, 2353, 2353A, 2356, 2360, 2366, 2367, 2374-2377, 2395, 2396
Ruwolt, Chas., Pty. Ltd. . . .	Victoria-street, Richmond	40842	470	1234A, 1235A, 1236A, 1237A, 1238A, 1239A, 1249
Rylands Bros. (Aust.) Ltd. . . .	422 Little Collins-street, Melbourne	40846	30	1748, 1753
S.A. Brush Co.	167 Flinders-street, Adelaide	40863	30	2544, 2549, 2550, 2552, 2567
Safeguard Chemical Co. Pty. Ltd.	Coventry-street, South Melbourne	40859	13	2332-2333
Salmond & Spraggon (Aust.) Ltd.	31 William-street, Melbourne	40858	28	2331
Sands, T. W.	372 Lonsdale-street, Melbourne	40871	—	2155
Sands & McDougall Pty. Ltd.	365 Collins-street, Melbourne	40851	26	3158-3161, 3176-3178, 3194, 3256-3258, 3383, 3456, 3459-3465, 3468, 3470, 3481, 3487, 3492, 3493, 3517, 3520, 3523, 3561, 3562, 3573, 3574
Scott & Co. (Aust.) Pty. Ltd.	140 Queen-street, Melbourne	40873	6	4315, 4317, 4318, 4398, 4437
Search & Houston Pty. Ltd.	24 Sutherland-street, Melbourne	41059	20	1500A-1542A
Selby, H. B., & Co.	393 Swanston-street, Melbourne	40853	26	785-787, 789, 3608, 3645, 3646, 3679, 3680, 3693, 3702, 3709, 3710, 3713, 3720
Selkirk, James	Howitt-street, Ballarat North	40849	43	3121-3123
Sewell, G. F., Pty. Ltd. . . .	Cross-street, West Footscray	40850	178	726, 772, 774, 881, 882, 884, 885, 4011, 4012, 4015, 4016, 4024-4032, 4034, 4035, 4041-4043, 4060, 4061, 4065, 4070, 4071, 4087, 4089, 4090, 4092, 4101, 4105-4110, 4116, 4119-4122, 4124, 4133, 4140, 4141, 4143, 4154, 4155, 4157, 4189
Shanks & Co. Pty. Ltd. . . .	353 Flinders-lane, Melbourne	40854	22	853, 854, 868-877, 1052, 1053, 1056
Sharp, John, & Son Ltd. . . .	City-road, South Melbourne	40866	174	2805-2808, 2917, 2919, 2921, 2923-2940, 2942-2944, 2946, 2949, 2955-2982

NAMES, ADDRESSES, ETC., OF CONTRACTORS—*continued.*

Name of Contractor.	Address.	Contract No.	Deposit Security.	Item Numbers.
Siemens (Aust.) Pty. Ltd. ..	20 Queen-street, Melbourne	40872	£ 6	4275-4279, 4303, 4319, 4321, 4323, 4325, 4327, 4539, 4650, 4699
Simpson, Geo., & Son ..	129 Church-street, West Hawthorn	40848	22	3119, 3120
Sleightholm, W. G. ..	Kirks-lane, off 401 Little Collins-street, Melbourne	40874	3	4367
Smith, S., & Co. ..	Dynon-road, South Kensington	40869	15	2317, 2324B, 2345, 2370
Smith, Sons, & Rees Ltd. ..	104 Franklin-street, Melbourne	40862	6	2100, 2102, 2116, 2118
Socony Pty. Ltd. ..	462 Collins-street, Melbourne	41055	15	2257, 2294, 2296
Speed, F. ..	452 St. Kilda-road, Melbourne	41055A 40857	15	2358
Spicers & Detmold Ltd. ..	377 Lonsdale-street, Melbourne	40852	37	3173, 3175, 3179, 3181, 3182, 3205, 3206, 3209, 3259-3265, 3394, 3434, 3436-3440, 3443, 3446, 3454, 3457, 3458, 3469, 3471-3478, 3486, 3494, 3495, 3507-3510, 3516, 3518, 3519, 3522
Spooner, A. ..	Sutton-grove, Richmond	40856	14	2447, 2448
Stanford & Pilley ..	110 Stevenson-street, Richmond	40864	—	2547
Steel Co. of Aust. Pty. Ltd. . .	Frith-street, Brunswick	40855	413	1234, 1235, 1236, 1237, 1238, 1239
Stewarts & Lloyds (Aust.) Ltd.	Grant-street, South Melbourne	40861	351	1192A, 1193A, 1194A, 1195A, 1196A, 1197A, 1198A, 1199A-1207
Stone, J. E., & Co. ..	304 Nicholson-street, Fitzroy	40860	6	1964
Stott & Hoare Pty. Ltd. ..	91 William-street, Melbourne	40870	15	3385A, 3386A, 3387A, 3389A
Sturrock, Alex., & Sons, Pty. Ltd.	Lorimer-street, South Melbourne	40868	24	2983-2988
Sunshine Porcelain Potteries Pty. Ltd.	Sunshine	40706	49	4341, 4576-4578
Surgical Mfg. Co. Ltd. ..	378 Lonsdale-street, Melbourne	40865	5	3752, 3758, 3777, 3789, 3791, 3805
Tame, A. E. & F. ..	Alexandra-parade, Clifton Hill	40876	38	730-732, 1867, 1872, 1873
Taubmans Pty. Ltd. ..	43 Lonsdale-street, Melbourne	40883	117	2310A, 2311A, 2324, 2325, 2391, 2397, 2398, 2401
Texas Co. (Aust.) Ltd. ..	343 Little Collins-street, Melbourne	41056	8	2268, 2274
Thompsons Engr. & Pipe Co. Ltd.	Nelson-place, Williamstown	40879	413	1234B, 1235B, 1236B, 1237B, 1238B, 1239B
Thompson, W. P., & Co. Pty. Ltd.	405 Lonsdale-street, Melbourne	40878	—	581, 582, 584-586, 591, 593, 595, 597, 598, 600-602
Tilley, Arthur ..	3 Surrey-road, South Yarra	40881	8	2582
Tinsley, Eliza, Pty. Ltd. ..	640 Bourke-street, Melbourne	40884	12	4721A, 4724A-4732A, 4734A-4737A, 4739-4742A, 4744A, 4746A-4748A, 4752, 4762A, 4766A, 4770A-4772A, 4775A-4776A, 4778A-4783A, 4788A, 4790A, 4792-4793A, 4796A-4799A, 4801A-4805, 4806A-4810A, 4813A, 4815A, 4817A-4823A, 4825A-4827A, 4829A-4833A, 4835A-4839A, 4841A-4853A, 4858A, 4859A, 4862A, 4863A, 4865A, 4866, 4870-4872, 4874A, 4887A-4891A, 4895A-4897A, 4900A, 4901, 4904, 4905A, 4908
Titan Manufacturing Co. Pty. Ltd.	Normanby-road Montague	40875	29	511A, 512A, 515A, 516A, 911, 930
Titan Nail & Wire Pty. Ltd.	224 Normanby-road, Montague	41306	12	668, 669, 674, 691, 692
Trehwella Bros. Pty. Ltd. ..	Trentham	40880	10	364
Tullis, Hunter, & Co. Ltd. ..	214 Queen-street, Melbourne	40877	5	3321
Tulloch's Phoenix Iron Works Ltd.	Rhodes, Sydney, N.S.W.	40882	21	518, 521A

NAMES, ADDRESSES, ETC., OF CONTRACTORS—continued.

Name of Contractor.	Address.	Contract No.	Deposit Security.	Item Numbers.
United Engineering & Mill. Co. Pty. Ltd.	Gordon-street, Footscray	40885	£ 18	1227-1230, 1250, 1251
Vacuum Oil Co. Pty. Ltd. . .	90 William-street, Melbourne	40887 40887A	418	51, 66, 2241, 2242, 2244, 2245, 2246, 2249, 2253, 2254, 2256, 2261, 2266, 2267, 2269, 2275, 2282, 2282A, 2291, 2293, 2295, 2304
Vale, Arthur, & Co. Pty. Ltd.	396 Flinders-lane, Melbourne	40890	20	1987, 2262
Veall, A. J.	247 Swanston-street, Melbourne	40892	—	4262
Verga, T. E., Pty. Ltd. . .	52 Russell-street, Melbourne	40889	13	3236, 3237, 3245, 3251-3255
Vial, F., & Sons Pty. Ltd. . .	369 Queen-street, Melbourne	40886	15	152, 4743, 4760A, 4764A, 4769, 4773, 4774, 4785A, 4789, 4794, 4812, 4814, 4816A, 4854-4857, 4860, 4873, 4875-4877, 4892-4894, 4898, 4899, 4902, 4951-4953
Victoria Iron Rolling Co. Pty. Ltd.	Geelong-road, Brooklyn	40888	577	773, 1448, 1652, 1656, 1660, 1668, 4050, 4052, 4068
Victoria Varnish Co. Pty. Ltd.	198 Latrobe-street, Melbourne	40891	12	2319, 2368, 2369, 2380
Walker, James	378 Little Collins-street, Melbourne	40893	61	16, 18, 28, 31, 36, 62, 63, 67, 68, 76, 97, 100, 171, 182, 199-202, 204, 205, 209-213, 239-244, 246-248, 304, 341-349, 355-356A, 367, 374-375, 377, 378, 386, 387, 394, 395, 411, 416, 418-428, 429, 431-434, 445, 458, 474, 508, 688, 737, 739-742, 745, 746, 749-751, 753-755, 761, 762, 766, 848, 987A, 1808, 1879, 1880, 1895, 1909-1911, 2104-2106, 2410, 2429, 2431-2435, 4207-4209, 4219, 4222, 4613-4618
Waller, George	112 Talbot-street, Ballarat	40908	12	3137
Walters, R. E.	Eastern Market, Bourke-street, Melbourne	40896	1	1804
Warburton, Thos.	384 Bourke-street, Melbourne	40898	8	98, 99, 324, 325, 4920, 4921, 4924-4926, 4932-4933, 4936-4938, 4944, 4945, 4948-4950, 5034-5036
Warburton, Franki (Melb.) Ltd.	380 Bourke-street, Melbourne	40909	6	2322, 2323, 4308, 4517
Watson Trading Co. Pty. Ltd.	Watson-place, off 184 Flinders-lane, Melbourne	40907	294	1949-1951
Way, A. G., & Co.	217 Franklin-street, Melbourne	40900	8	39, 106
Wells, Frank, Pty. Ltd. . .	562 Bourke-street, Melbourne	41057	12	1454-1469, 3848-3882, 3984-3995
White, C. J., & Sons Pty. Ltd.	170 Little Collins-street, Melbourne	40899	9	91-93, 216, 217, 219, 223, 224, 292-296, 316
White, Geo., & Co.	280 Post Office-place, Melbourne	40906	40	1282, 1283, 1336, 1340, 1341, 1343-1364
Widdis Diamond Dry Cells Pty. Ltd.	119 Hawke-street, West Melbourne	40910	14	4538
Wiggins, Teape, & Alex. Pirie (Export) Ltd.	206 Queen-street, Melbourne	40902	239	3269, 3270, 3283A, 3290, 3305, 3306, 3328
Wilkinson, Beale, & Tindley Pty. Ltd.	36 Flinders-street, Melbourne	40911	4	2644
Wimble, F. T., & Co. Ltd. . .	459 Little Bourke-street, Melbourne	40901	12	3398, 3401, 3403, 3404, 3413, 3415-3417, 3419, 3420, 3422, 3429
Withers, John, & Son Pty. Ltd.	443 Little Collins-street, Melbourne	40905	30	3358, 3359, 3365, 3367, 3388A, 3390A
Woolcott, L. W.	Imperial Chambers, Bank-place, Melbourne	40903	38	3283, 3313-3317
Woolcott & Mackie Pty Ltd.	408 Latrobe-street, Melbourne	40904	7	3222, 3331

NAMES, ADDRESSES, ETC., OF CONTRACTORS—*continued.*

Name of Contractor.	Address.	Contract No.	Deposit Security.	Item Numbers.
Workshops Manager ..	Arden-street, North Melbourne	40894	£ —	315, 454, 455, 933, 934, 943-945, 1861, 1866, 1868-1871, 1874, 1896-1898-2195 2128, 2131, 2132, 3075, 4609
Wunderlich Ltd. ..	243 Collins-street, Melbourne	40895	19	2997
Wurcker, Max., Ltd. ..	376 Flinders-street, Melbourne	40897	7	3229, 3352-3354, 3488, 3530-3536, 3538-3545, 3547-3549
Yencken, E. L., & Co. Pty. Ltd.	384 Little Collins-street, Melbourne	40912	52	2306, 2343, 2346, 2364, 2365, 2373, 2393, 2394, 2407, 2423-2428, 2437-2439, 2455, 2458-2460, 2466, 2467, 2472, 2473, 2479-2481, 2488, 3016, 3529, 3537
York, H. H., & Co. Pty. Ltd.	573 Lonsdale-street, Melbourne	40914	35	3690
Young, Peter ..	361 Little Lonsdale-street, Melbourne	40913	23	1737, 1738, 1767-1769, 1771, 1773, 1774, 1776, 1779, 1806, 1807, 1810, 1845, 1848, 1854
Zevenboom, J., & Co. ..	333 Elizabeth-street, Melbourne	40915	56	2497, 2499, 2506, 2509, 2511, 2513, 2514, 2520, 2524-2526, 2528, 2531, 2532, 2534, 2536-2538, 2542, 2543, 2545, 2546, 2548, 2551, 2553-2566, 2568, 2573
Zwar Bros. Pty. Ltd. ..	Beechworth ..	41374A	19	2642, 2643A
Zwar, H. P. Pty. Ltd. ..	Cramer-street, Preston ..	41375A	40	2642A, 2643, 2643B, 2643D
Zwicker, Theodore ..	251 William-street, Melbourne	40916	5	4610, 4611



Schedule of Rates Contracts
FOR THE
SUPPLY OF STORES
TO THE
VICTORIAN RAILWAYS,
1927-1929.

(SEE FOLLOWING SCHEDULES.)

E. C. EYERS,
By order of the Victorian Railways Commissioners.

SUPPLY AND DELIVERY OF STORES.

As ordered, from 1st July, 1927, to 30th June, 1929.

Items marked * to be supplied (subject to the General Conditions of Contract) to sample or samples exhibited by the Corporation.

Items marked † to be supplied to sample or samples furnished by the Contractor.

Items for which the Country of Manufacture is shown as Australia are to be wholly or partly manufactured in Australia.

The Stores referred to in this Schedule (if tendered of Australian manufacture or production) shall where shown be wholly manufactured or produced at the factory or works of the Contractor. No subletting will be allowed.

Certain Contracts are for a period of twelve months only. This is clearly shown at the head of each schedule, and in addition the Contractors' names and the rates are printed in heavy black type, and the consequential alterations have been made in the conditions of contract.

They are as follow :—

Galvanized Iron, Items Nos. 1375 to 1407.

Wire Rope, Items Nos. 1715 to 1734.

Rope and Twine, Items Nos. 2046 to 2060 and 2062.

Mineral Lubricating Oils, Items Nos. 2241 to 2246.

Greases, Items Nos. 2291 to 2296.

Turpentine, Item No. 2302.

Explosives, Items Nos. 3836 to 3839.

Electric Lamps, Items Nos. 4587 to 4589.

Cables and Wires, Items Nos. 4639 to 4713.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	

SUNDRY IRONMONGERY, No. 1.

Boilers—Copper—Item No. 20. The boilers shall be stamped out of one piece copper weighing not less than (approx.) 1½ lb. per sq. foot.

†1	Adjusters, Broom, large	..	120	each	..	Nil		
*2	Balances, Spring, Railway Parcels, 56 lb. x 4 oz., with enamelled dial, and platform 14" x 9", the pinion to be drilled for cotten pin, and base plate to have three screw holes for securing the balance to the counter, "Salters"	U.K.	50	do.	1 9 0	S. Cohen Sons & Co., Pty. Ltd.		
3	Balls, Steel, 3/16"	U.S.A.	20 gross	gross	0 1 3½	McPherson's Pty. Ltd.		
4	" " 3/8"	"		doz.	0 0 5			
5	" " 1/4"	"		gross	0 1 11½			
6	" " 7/16"	"		do.	0 2 5			
*7	" " 1/2"	"		doz.	0 0 10			
8	" " 5/8"	"		do.	0 1 1			
9	" " 3/4"	"		do.	0 1 4			
10	" " 7/8"	"		do.	0 1 6			
11	" " 1"	"		do.	0 2 6			
12	" " 1 1/8"	"		do.	0 6 0			
13	Bars, Locking, Galvanized, 8"	Aust.		170	each		0 2 1	C. S. Green & Son
†14	" " " 10"	"			do.		0 2 6	
15	" " " 12"	"	do.		0 3 0			
†16	Basins, Enamelled, Washhand, 11 3/4"	Sweden	170	do.	0 1 11	James Walker		
†17	" " " 16"			do.	0 2 10		Briscoe & Co. Ltd.	
18	Bellows, Moulders'	Aust.	60	do.	0 5 4	James Walker		
*19	Bells, Platform	U.K.	12	do.	1 2 9	E. Duckett & Sons		
20	Boilers, Copper, blocked, 12 or 14 gallon capacity, as ordered	Aust.	2,000 lb.	lb.	0 2 5	Briscoe & Co. Ltd.		
*21	Bottles, Glass, Lubricator, No. 2	U.K.	250	each	0 0 4½	McPherson's Pty. Ltd.		
*22	Boxes, Cash, 9", extra strong, Hobb's locks	Aust.	50	do.	1 3 0	Harvey, Shaw, & Drake Pty. Ltd.		
23	" " 12", extra strong, Hobb's locks	"	6	do.	1 6 0			
†24	Buckles, Brass Roller, single, 3/4"	..	16 gross	dozen	..	Nil		
†24A	" " " double, 3/4"	..	5 "	do.	..			
25	" " N.P. Roller, double, 3/8"	..	12 "	do.	..			
†26	" " " 1"	..	4 "	do.	..			
†26A	" " " 1 1/4"	..	4 "	do.	..			
†27	" " Black, japanned, single roller, gear, 1 1/4"	..	3 "	do.	..			
*28	Burners for Burning-off Lamps	Sweden	12	each	0 2 9	James Walker		
29	Buttons, Iron, japanned, 1 1/2"	Aust.	60 doz.	dozen	0 0 5	C. S. Green & Son		
30	" " " 2"	"		do.	0 0 6½			
31	" " " 2 1/2"	"		do.	0 0 8			
32	Castors, Brass, screw, in sets of 4, any sizes ordered	U.K.	6 sets	set	0 2 9	James Walker Briscoe & Co. Ltd.		
33	Chain, Iron, Jack, any sizes ordered	"	100 doz. yds.	doz. yds.	0 1 9	E. Duckett & Sons		
*34	" " Communication	"	6,000 feet	100 ft.	0 4 9			
*35	" " japanned, twisted, 3/16", in packets of 12 yards	"	288 pkts.	packet	0 8 2	James Walker		
36	" for Vulcan Pipe Tongs, No. 31	"	6	each	0 3 3			
37	" Mortise, 1/2" x 34 links "Hans Renold"	"	3	do.	2 11 3		E. P. Bevan & Son Pty. Ltd.	
38	" Trace, 5/16"	..	15 cwt.	cwt.	..	Nil		
*39	Clips, Way-bill, complete	Aust.	500 dozen	dozen	0 8 0	A. G. Way & Co.		
†40	Combs, Curry	U.K.	60	each	0 0 9	S. Cohen Sons & Co. Pty. Ltd.		
*41	Cups, Drinking, with chain	Aust.	50	do.	0 2 3	Harvey, Shaw, & Drake Pty. Ltd.		
42	" Grease, Stauffer System, 1/4" Gas, No. 3	U.K.	50	do.	0 0 3½	E. P. Bevan & Son Pty. Ltd.		
43	" " " " No. 4	"	120	do.	0 0 4			
44	" " " " No. 6	"	12	do.	0 0 7			
45	Cups, Grease, Steel, plain, style No. 200—	U.S.A.	3 gross	dozen	0 2 3	Wm. Crosby & Co.		
46	1" x 1/4", 00, 3/8"	"	3 "	do.	0 3 0			
47	1 1/2" x 1/4", 0, 1/2"	"	3 "	do.	0 3 6			
48	2" x 1/4", 1, 1 1/2"	"	3 "	do.	0 5 6			
49	File Card Wire, Rubber Cloth Back, 2" wide	U.K.	70 feet	foot	0 0 7½	S. Cohen Sons & Co. Pty. Ltd.		

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
SUNDRY IRONMONGERY—continued.						
50	Fittings for Grindstones, complete, any sizes ordered, "Kenricks"	U.K.	22 sets	set	0 4 9	C. S. Green & Son
*51	Glasses— Bullseye, with rubber gaskets, for Detroit Lubricators	U.S.A.	10 gross	each	0 2 6	Vacuum Oil Co. Pty. Ltd.
*52	Gauge, $\frac{3}{4}$ " x $16\frac{1}{2}$ " long, suitable for Babcock and Wilcox Boilers, at 210-lb. pressure "Bishops Adamant"	U.K.	24 dozen	dozen	0 8 0	Bell's Asbestos Austn. Agency Ltd.
	Glasses, Gauge, Moncrieffs—					
53	12" x $\frac{1}{8}$ "	"	2 "	do.	0 2 0	} C. S. Green & Son
54	12" x $\frac{1}{8}$ "	"	2 "	do.	0 3 6	
55	13" x $\frac{1}{8}$ "	"	1 "	do.	0 2 2	
56	15" x $\frac{1}{8}$ "	"	16 "	do.	0 4 0	
57	16" x $\frac{1}{8}$ "	"	6 "	do.	0 4 0	
58	18" x $\frac{1}{8}$ "	"	2 "	do.	0 4 8 $\frac{1}{2}$	} McPherson's Pty. Ltd.
59	19" x $\frac{1}{8}$ "	"	12 "	do.	0 4 8 $\frac{1}{2}$	
†60	Glasses, Lubricator, $\frac{13}{16}$ " x $3\frac{3}{8}$ ", "Bishops Adamant"	"	150 "	do.	0 3 7	Bell's Asbestos Austn. Agency Ltd.
*61	Jugs, Enamelled	"	12	each	0 5 4	E. Duckett & Sons.
62	Ladles, Lead, Wrought Iron, 4"	"	50	do.	0 0 8	} James Walker
63	" " " 6"	"	100	do.	0 1 10	
†64	Lamps, Hurricane	"	600	do.	..	Nil
†65	" Paint, burning off, 1 pint, "Sieverts Vapouria" No. 12	Sweden	80	do.	0 18 6	J. G. Black Pty. Ltd.
†66	" Trackwalkers', "Rayo" No. 210	U.S.A.	100	doz.	3 17 6	Vacuum Oil Co. Pty. Ltd.
67	Pins and Sockets, Carpet, Brass	U.K.	5 gross	gross	1 1 9	} James Walker
68	Pots, Glue, Cast Iron, No. 3, 2 pints, tinned Plates, Tinned— Iron, Charcoal, 20" x 14", 112 sheets per box; or 20" x 28", 56 sheets per box, as ordered, Brooker, Doore, and Co.—	"	12	each	0 7 9	
69	lxx.	"	64 boxes	box	2 2 0	} E. Duckett & Sons
70	lxxx.	"	120 "	do.	2 5 0	
71	lxxxx.	"	24 "	do.	2 12 0	
	Plates and Dowels, Brass—					
72	1"	"	12 gross	dozen	..	} Nil
*73	1 $\frac{1}{2}$ "	"	12 "	do.	..	
74	1 $\frac{1}{2}$ "	"	12 "	do.	..	
*75	Scissors, Lamp	U.K.	100 pairs	pair	0 2 9	Briscoe & Co. Ltd.
†76	" Office	"	400 "	do.	0 1 11	James Walker
77	Shovels, Cinder	Aust.	150	each	0 0 8	} S. Cohen Sons & Co. Pty. Ltd.
†78	Safes, Meat, round, portable hanging, 18" dia.	"	50	do.	0 13 6	
†79	Shoes, Horse, Size 1c, front	"	3 cwt.	cwt.	1 12 0	
†80	" " " 2F, front	"	3 "	do.	1 9 0	
†81	" " " 3F, front	"	3 "	do.	1 9 0	
†82	" " " 1c, hind	"	3 "	do.	1 12 0	
†83	" " " 2F, hind	"	3 "	do.	1 9 0	
†84	" " " 3F, hind	"	3 "	do.	1 9 0	
†85	Springs for Waybill Clips	U.K.	75 gross	gross	1 14 0	
	Springs, Window, Brass—					
†86	4 $\frac{1}{2}$ " x $\frac{1}{8}$ "	"	} 10 "	do.	..	} Nil
†87	4 $\frac{1}{2}$ " x $\frac{1}{8}$ "	"		do.	..	
†88	8 $\frac{1}{2}$ " x $\frac{1}{8}$ "	"		do.	..	
†89	8 $\frac{1}{2}$ " x $\frac{1}{8}$ "	"		do.	..	
*90	Steel, Crinoline, $\frac{3}{4}$ " or $\frac{7}{8}$ " wide, as ordered, any gauge ordered	U.K.	40 cwt.	cwt.	4 0 0	E. Duckett & Sons
	Tokens, Brass—					
*91	Diamond shaped, numbered as required	Aust.	} 3,000	dozen	0 4 6	} C. J. White & Sons Pty. Ltd.
*92	Oblong shaped, numbered as required	"		do.	0 4 0	
*93	Round shaped, numbered as required	"		do.	0 4 0	
94	Tongs, Vulcan, Chain, No. 232	U.K.	12	each	0 14 11	} McPherson's Pty. Ltd.
95	" " " No. 233	"	12	do.	1 0 11	
*96	Type, Dating, Lead	Aust.	270 lb.	lb.	0 9 6	R. Collie & Co. Pty. Ltd.
†97	Washers, Brass, $\frac{3}{8}$ "	U.K.	3 gross	gross	0 0 9	James Walker
98	" " $\frac{3}{16}$ " 20g.	"	100 "	do.	0 1 2	} Thos. Warburton
99	" " $\frac{1}{4}$ " 20g.	"	180 "	do.	0 1 6	
†100	" " $\frac{3}{16}$ "	"	12 "	do.	0 0 11	James Walker
†101	" Copper, No. 6	"	} 700 lb.	lb.	0 1 11 $\frac{1}{2}$	} E. Duckett & Sons
†102	" " No. 7	"		do.	0 1 11 $\frac{1}{2}$	
†103	" " No. 8	"		do.	0 1 11 $\frac{1}{2}$	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
SUNDRY IRONMONGERY—continued.						
†104	Wire, Picture, heavy, in packets of 25 yards..	U.S.A.	40 pkts.	packet	0 0 8½	S. Cohen Sons & Co. Pty. Ltd.
†105	Wheels, Barrow, wrought iron, navy, 14" x 1¼" x 5/16"	Aust.	500	each	0 6 0	C. S. Green & Son
*106	" Platform Barrow, wrought iron, with turned spindle, 2¼" rims	"	24	do.	0 10 6	A. G. Way & Co.
†107	Whistles, Guards, "Acme Thunderer"	U.K.	150	do.	0 1 6	S. Cohen Sons & Co. Pty. Ltd.

108-120. Nil.

SUNDRY IRONMONGERY, No. 2.

121	Bricks, Bath	U.K.	180 dozen	dozen	0 4 0	S. Cohen Sons & Co. Pty. Ltd.
122	Candles, Filter, "Berkfeld"	Aust.	50	each	0 6 6	J. Danks & Son Pty. Ltd.
†123	Cement, Liquid, "Simpson's"	"	80 tubes	tube	0 0 4	C. S. Green & Son
*124	Cups, Dixie	"	60,000	dozen	..	Nil
†125	Cleanser, Leather, Arabian Cream, "Castle"	Aust.	1,000 galls.	gallon	0 3 0	Wm. Adams & Co. Ltd.
†126	Composition, Case Hardening, fine	"	30 tons	ton	..	Nil
†127	Dressing, Belt, in 1-lb. sticks Cloth, Emery, "Oakey's"—	"	100 sticks	stick	..	Nil
128	No. 0	U.K.	} 3,000 qrs.	quire	0 2 4	} E. Duckett & Sons
129	No. 1	"		do.	0 2 4	
130	No. 1½	"		do.	0 2 4	
131	No. 2	"		do.	0 2 8½	
132	No. 3	"		do.	0 2 8½	
133	Paper, Glass, "Oakey's"—	"	} 300 reams	ream	0 18 3	} Campbell, Walker & Co. Pty. Ltd.
134	No. 0	"		do.	0 18 3	
135	No. 1	"		do.	0 18 3	
136	No. 1½	"		do.	0 18 3	
137	No. F.2	"		do.	0 18 3	
138	No. M.2	"		do.	1 4 9	
139	No. S.2	"		do.	1 4 9	
140	No. S.2½	"	do.	1 8 11	E. Duckett & Sons	
141	Paper, Garnet—	"	} 20 rolls	roll	..	} Nil
142	No. 1½ x 24"	"		do.	..	
143	No. 2 x 30", "Oakey's"	U.K.	} 100 quires	do.	3 14 0	} Campbell, Walker & Co. Pty. Ltd.
144	No. 2½ x 30", "Oakey's"	"		do.	4 2 6	
145	Wet or Dry, No. 2/0	"	100	quire	..	} Nil
146	" No. 5/0	"	100	do.	..	
147	Emery, No. 20 hole, "Oakey's"	U.K.	} 1,700 lbs.	lb.	0 0 3	} Campbell, Walker & Co. Pty. Ltd.
148	" No. 40 hole do.	"		do.	0 0 3	
149	" No. 60 hole do.	"		do.	0 0 3	
150	" No. 90 hole do.	"		do.	0 0 3	
151	" No. 120 hole do.	"		do.	0 0 3	
152	Flint, Powdered, coarse	Aust.	28	do.	0 0 6½	Frank Vial & Sons Pty. Ltd.
Fillets, Leather, for Pattern-making—						
†153	1/4"	"	300 feet	foot	..	Nil
†154	1/4", No. 4	U.S.A.	300	do.	0 0 2	} McPherson's Pty. Ltd.
†155	1/4", No. 5	"	300	do.	0 0 2½	
†156	1/4", No. 6	"	300	do.	0 0 3	
†157	1/4", No. 8	"	300	do.	0 0 3½	
†158	1/4", No. 10	"	300	do.	0 0 4½	
†159	Glue, Granulated	"	20 cwt.	cwt.	..	Nil
†160	Lead, Black, powdered, in ¼-lb. pkgs.	Aust.	400 lb.	lb.	0 0 3½	} J. Kitchen & Sons Pty. Ltd.
†161	Polish, Metal	"	400	doz.	0 5 0	
†161A	" " " " " Brasso"	"	} 10,000 tins	do.	0 8 9	} E. Duckett & Sons
†162	" " " " " Usit"	"		4,000 cakes	doz.		0 3 7	Briscoe & Co. Ltd.
†163	" Stove, "Magpie"	"	400 tins	doz.	0 3 3	J. Kitchen & Sons Pty. Ltd.
†164	Bon Ami	U.S.A.	500 cakes	doz.	0 6 4	Geo. Russell Pty. Ltd.
†165	Ezywork, Black.. .. .	Aust.	2,000 tins	doz.	0 5 10	C. S. Green & Son

166-170. Nil.

Item No.	Description.	Country of Manufacture.	Estimated Requirements for Two Years.	Rate per—	Rate.			Name of Contractor
					£	s.	d.	

BUILDERS' IRONMONGERY.

The Stoves under Item No. 278 shall be suitable for either wood or coal fuel.

As regards Item No. 282, the tender of S. K. Melver is for delivery at Ballarat, and when placing orders for the supply and delivery of stands and frames, freight should be taken into consideration. Requirements for the Ballarat district should be obtained from S. K. Melver and metropolitan requirements from Galliers and Klaerr Pty. Ltd.

†171	Bells, Door, Rotary	U.S.A.	24	each	0	2	5	James Walker	
172	Bolts, Indicator, "Ashwell's" No. 5862, "Wm. Newman & Sons" nickel-plated	U.K.	300	do.	0	10	10	McPherson's Pty. Ltd.	
173	" Brass, barrel, 3" to 6", as ordered	Aust.	1,600 ins.	inch	0	0	2½		
174	" " flush, 3" or 4", as ordered ..	U.K.	600	do.	0	0	4	Briscoe & Co. Ltd.	
†175	" " " 5" x ½"	"		do.	0	1	8		
176	" " " 6" x ½"	"		do.	0	1	9		
177	" Iron, tower, 3" to 12", as ordered ..	"		inch	0	0	0½		S. Cohen Sons & Co. Pty. Ltd.
178	" " " 13" to 18", as ordered ..	"	17,000	do.	0	0	1½	C. J. White & Sons Pty. Ltd.	
179	" " " 28"	"		do.	0	0	1½		
†180	" " ½" diameter, galvanized, for Padlocks, "Brenton's" pattern, any lengths ordered	Aust.		15,000	do.	0	0		2½	S. Cohen Sons & Co. Pty. Ltd.
†181	Brackets, Steel, japanned, shelf measurement, any sizes ordered (i.e., 8" x 10" = 18")	U.K.	20,000	doz.	0	0	0¼	McPherson's Pty. Ltd.	
*182	Chain, Brass, Chandelier, heavy	"	180 doz.	yds.	0	3	2	James Walker	
*183	" " " light	"	24	do.	0	2	8	S. Cohen Sons & Co. Pty. Ltd.	
†184	Checks, Door, Liquid, light "Briton B" ..	"	14	each	1	13	5	McPherson's Pty. Ltd.	
†185	" " " heavy "Briton C"	"	36	do.	2	1	9		
186	Doors, Furnace, 10" x 8", with frame, for Coppers	Aust.	25	do.	0	2	6	E. Duckett & Sons	
187	Escutcheons, Brass, for Drawer Locks, any sizes ordered	U.K.	70 dozen	dozen	0	0	5½	Campbell, Walker & Co. Pty. Ltd.	
188	Eyes, Screw, Iron, Nettlefolds Ltd., B. 20 ..	"	50 gross	gross	0	10	9	E. Duckett & Sons	
189	" " " " C. 2	"		do.	0	0	7½		
190	" " " " C. 4	"		do.	0	0	10¾		
191	" " " " C. 6	"		do.	0	1	4½		
†192	Fasteners, Sash, oxidized, 2½"	"	150 doz.	dozen	0	3	11	S. Cohen Sons & Co. Pty. Ltd.	
†193	Fanlight Openers, with Cords, No. 75, Convertible	Aust.	18	each	0	5	6	Wm. Bedford Ltd.	
194	Grates, Furnace, 14" x 10", for Coppers ..	"	70	do.	0	2	4	S. Cohen Sons & Co. Pty. Ltd.	
†195	Handles, Chest, japanned, 4"	Sweden	180 pairs	pair	0	0	8½	E. Duckett & Sons	
†196	" " " 5"	"		do.	0	1	2	S. Cohen Sons & Co. Pty. Ltd.	
*197	" Iron, oxidized, Door Latch, with circular slot	Aust.	50	each	0	2	0	E. Duckett & Sons	
†198	Hasps and Staples, Brass, 3"	Sweden	4 doz.	dozen	0	8	11		
199	" " japanned, 3"	U.K.	1,300	each	0	0	1	James Walker	
†200	" " " 4"	"		do.	0	0	1½		
201	" " " 5"	"		do.	0	0	1¾		
202	" " " 6"	"		do.	0	0	2¼		
†203	" " " 7"	"		do.	0	0	2¾		McPherson's Pty. Ltd.
	Hinges, of any thickness and strength ordered—								
†204	Bed or Back Flap, Iron, 1"	Sweden	500 pairs	pair	0	0	1½	James Walker	
†205	" " " 1½"	"		do.	0	0	1½	E. Duckett & Sons	
†206	" " " 2"	"		do.	0	0	2½		
†207	" " " 2½"	"		do.	0	0	5		
†208	" " " 3"	"		do.	0	0	8½	S. Cohen Sons & Co. Pty. Ltd.	
209	Butt, Brass, 1"	U.K.	1,300	do.	0	0	1½	James Walker	
210	" " 1½"	"		do.	0	0	2¼		
†211	" " 2"	"		do.	0	0	3		
212	" " 2½"	"		do.	0	0	5¼		
213	" " 3"	"		do.	0	0	7		
214	" " 3½"	"		do.	0	1	6		Briscoe & Co. Ltd.
†215	" " 4"	"		do.	0	1	10		

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
BUILDERS' IRONMONGERY—continued.						
	Hinges, of any thickness and strength ordered—(continued)—					
†216	Butt, Cast Iron, 1"	U.K.		pair	0 0 3½	C. J. White & Sons Pty. Ltd.
†217	" " 1½"	"		do.	0 0 3½	
†218	" " 2"	"		do.	0 0 2½	E. Duckett & Sons
†219	" " 2½"	"		do.	0 0 6	C. J. White & Sons Pty. Ltd.
220	" " 3"	"	350 pair	do.	0 0 7	E. Duckett & Sons
†221	" " 3½"	"		do.	0 0 8½	
†222	" " 4"	"		do.	0 0 9½	
†223	" " 4½"	"		do.	0 1 5½	
†224	" " 5"	"		do.	0 1 11	
†225	" Steel, 1"	Sweden		do.	0 0 0½	McPherson's Pty. Ltd.
†226	" " 1½"	"		do.	0 0 0½	
†227	" " 2"	"		do.	0 0 0½	
†228	" " 2½"	"		do.	0 0 1	
†229	" " 3"	"	5,000 pairs	doz.	0 1 4	
†230	" " 3½"	"		pair	0 2 0	J. G. Black Pty. Ltd.
†231	" " 4"	"		do.	0 2 9	
†232	" " 4½"	"	do.	0 3 6		
†233	Hinges, Gothic, Iron, extra strong, any lengths ordered	U.K.	14,000 ins.	inch	0 0 1 7/12	E. Duckett & Sons
†234	" Strap, straight, any length up to and including 12" as ordered	Sweden	22,000 "	do.	0 0 0 1/2	McPherson's Pty. Ltd.
†235	" T, Iron, any lengths ordered	"	90,000 "	do.	0 0 0 3/8	Briscoe & Co. Ltd.
†236	Hooks, Hat and Coat, Brass	Aust.	48 doz.	dozen	0 14 6	
†237	" " " Iron, oxidized, No. 110	"	500 "	do	0 2 8	McPherson's Pty. Ltd.
†238	" " " " japanned, No. 1	"	50 "	do	0 1 10	J. G. Black Pty. Ltd.
†239	" Cup, Brass, 1½"	"		do	0 0 2 3/4	James Walker
†240	" " 2"	"		do	0 0 3 1/2	
†241	" " 1"	"	1,200 "	do	0 0 5	
†242	" " 1½"	"		do.	0 0 6 1/2	
†243	" " 1 1/8"	"		do.	0 0 7	
†244	" " 1 1/4"	"		do.	0 0 10	
†245	" and Eyes, Cabin, brass, 2" to 6" as ordered	U.K.		200 ins.	inch		0 0 3 1/2	Briscoe & Co. Ltd.
†246	" " Brass, 1"	U.S.A.		dozen	0 0 8	James Walker
†247	" " " 1½"	"	24 doz.	do.	0 0 11	
†248	" " " 2"	"		do.	0 1 5	
†249	" " W.I., 3"	Aust.			do.	0 7 0
†250	" " " 4"	"	3 "	do.	0 7 0	E. Duckett & Sons
†251	" " " 5"	"		do.	0 7 0	
†252	" " " 6"	"		do.	0 7 0	
†253	Knobs, Brass, Shutter, 1½"	U.K.	8 "	do.	0 5 6	Campbell, Walker & Co. Pty. Ltd.
†254	" " Solid, with Spindles, complete	"	150 sets	set	..	Nil
†255	" " and Spindles for Rim Locks, 2½", milled edge	U.K.	200 "	do.	0 2 3	E. Duckett & Sons
256	Lifts, Sash, brass ring	"	280	each	0 0 3 3/4	Briscoe & Co. Ltd.
257	" " hook, antique	Aust.	800	do.	0 0 1	T. Mitchell & Co. Pty. Ltd.
258	" " hook, brass, any finish required	"		doz.	0 3 0	Wm. Bedford Ltd.
259	Links, Split, 5/16" or 3/8", as ordered	"		200 lb.	lb.	0 0 7 1/4	S. Cohen Sons & Co. Pty. Ltd.
†260	Pulleys, Verandah, Blind, single, 1½"	U.K.	1 gross	doz.	0 5 5	
†261	" " " double	"	1 "	do.	0 5 11	
*262	" " Crown, 2", galvanized, all steel, single, adjustable	"	20 "	do.	..	Nil
263	" " Steel, Pin (in lieu of Secret Axle), 1 1/4", stamped	Aust.	40 "	do.	0 3 0	Hardware & General Agency
†264	" " Iron, japanned, lazy, 1½"	U.K.	120	each	0 0 6	E. Duckett & Sons
†265	" " Sash, brass-faced, 5"	"	100	do.	0 0 8	
†266	Pulls, Drawer, Brass	Aust.	1 gross	dozen	0 2 4	S. Cohen Sons & Co. Pty. Ltd.
†268	" " Door, Iron Oxidised, 6"	"	2 1/2 doz.	dozen	0 5 3	
†268A	" " Brass, 6"	"	2 1/2 "	do.	0 15 0	Wm. Bedford Ltd.
*269	Rollers, Gunmetal, slotted, for Window Sashes	"	25 "	do.	1 4 6	S. Cohen Sons & Co. Pty. Ltd.

Item No.	Description.	Country of Manufacture.	Estimated Requirements	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
BUILDERS' IRONMONGERY— <i>continued.</i>						
* {270	Rollers, Sash, japanned, $\frac{5}{8}$ "	U.K.	2 doz.	dozen	0 1 6	E. Duckett & Sons Campbell, Walker & Co. Pty. Ltd.
{271	" " " " 1"	"		do.	0 3 0	
†272	" Wooden, Spring, Blind, complete, 48", approx. $1\frac{1}{4}$ " diameter, "Hartshorn"	U.S.A.	200	do.	1 5 0	E. Duckett & Sons
†273	" Wooden, Spring, Blind, complete, 36", approx. $1\frac{1}{4}$ " diameter	"	50	do.	1 5 3	} Hicks, Atkinson & Sons Pty. Ltd.
†274	" Wooden, Spring, Blind, complete, 6' x $1\frac{1}{2}$ " diameter	"	5	do.	3 1 6	
†275	" Wooden, Spring, Blind, complete, 7' x $1\frac{1}{2}$ " diameter	"	5	do.	3 11 0	
276	Stoves, "Dumpy," No. 2, without pipe ..	Aust.	10	each	1 4 0	} S. Cohen Sons & Co. Pty. Ltd.
277	" " " No. 3 " ..	"	10	do.	1 7 6	
278	" One-fire, 30" x 18" x 27", improved new "Federal," Type A, No. 17	"	400	do.	4 12 6	Galliers & Klaerr Pty. Ltd.
279	Springs, Door, Spiral, 9"	U.S.A.	280	do.	0 0 8 $\frac{1}{2}$	} E. Duckett & Sons
†280	" " " " 10"	"		do.	0 0 11	
†281	" " " " 11"	"		do.	0 1 1	
282	Stand and Frame complete, Cast Iron, for 14-gallon copper boiler, with 8' of flue (uncrated), "Orb," delivered f.o.r. Ballarat	Aust.	60 doz.	do.	2 11 8	} S. K. McIver Galliers & Klaerr Pty. Ltd.
282A	Stand and Frame complete, Cast Iron, for 14-gallon copper boiler, with 8' of flue (uncrated)	"		do.	2 15 6	
†283	Turns, Cupboard, Brass, $1\frac{1}{2}$ "	U.K.	60	dozen	0 5 2	McPherson's Pty. Ltd.
284	Weights, Sash, C.I., any weight ordered ..	Aust.	160 cwt.	cwt.	0 14 11	E. Duckett & Sons.
285 to 290	Nil					

LOCKS, KEYS, ETC.

As regards Item No. 315, the Locks to be supplied must conform in detail both as regards shape and size of all parts of lock and key with the departmental sample.

†291	Keys, for Rim Locks of any make, "J. Mattox & Sons"	U.K.	27 doz.	dozen	0 7 9	} S. Cohen Sons & Co. Pty. Ltd.
†292	" for Mortise Locks of any make ..	"	1	do.	0 7 3	
*293	" Blanks, for Cylinder Action Locks, any British or American make or pattern ordered	U.S.A.	300	do.	0 2 11	} C. J. White & Sons Pty. Ltd.
*294	" " for Drawer Locks	U.K.	120	do.	0 3 0	
*295	" " Mortise Locks, any pattern ordered	"	2	do.	0 4 10	
*296	" " Safe Locks	"	8	do.	0 6 6	} J. G. Black Pty. Ltd.
†297	Latches, Norfolk, "Waine"	"	200	each	0 0 11	
†298	" Night, Cylinder Action, triplicate keys, "Vaughan's," No. 04	"	800	do.	0 5 10 $\frac{3}{4}$	E. Duckett & Sons
†299	" Surface Gate, "M. Millan"	Aust.	180	do.	0 0 5	J. G. Black Pty. Ltd.
†300	" Mortise Gate	"	600	do.	..	Nil
†301	" Bales No. 4, "Thos. Sanders Ltd."	U.K.	250	do.	0 0 10	McPherson's Pty. Ltd.
†302	Lock Sets, Mortise, with oxidized iron furniture, "Jinks & Morgan," No. 104	Aust.	300 sets	set	0 3 3 $\frac{3}{4}$	E. Duckett & Sons
†303	Locks, Cut Cupboard, Brass, R. or L. hand, as ordered, with duplicate keys (keys to differ or pass, as ordered), 2 lever, 3", "Jackson's"	"	130	each	0 3 0	Wm. Hartley Pty. Ltd.
†304	" Pad, Brass, $1\frac{1}{2}$ " cylinder action, with duplicate keys, to differ or pass, as ordered (locks with keys to differ in lots of 72, locks with keys to pass in lots of 100), "Union," "Josiah Parkes & Sons"	U.K.	2,400	do.	0 4 6	James Walker
305-6	Nil.					
†307	Locks, Rim, Iron, with furniture complete, 3 bolts, 6", "Legge's"	"	1,600	do.	0 5 0	} McPherson's Pty. Ltd.
†308	" Rim, Iron, without furniture, complete, 3 bolts, 6", "Legge's"	"	50	do.	0 4 0	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
LOCKS, KEYS, ETC.— <i>continued.</i>						
†309	Locks, Straight Cupboard, Brass, with duplicate keys (keys to differ or pass, as ordered), 2 lever, 3", "Legge's No. 1482	U.K.	200	each	0 2 10	Briscoe & Co. Ltd.
	" Till, Brass, "Hobb's" pattern, with duplicate keys (keys to differ or pass, as ordered), 4 lever—					
†310	2½", "Legge's"	"	200	do.	0 3 6	} McPherson's Pty. Ltd.
†311	3"	"	180	do.	0 3 8	
†312	" Mortise, Iron, Spring, 1½", single or double action, as ordered, "Jackson's"	Aust.	50	do.	0 5 0	Wm. Hartley Pty. Ltd.
	" Cylinder Action, Cupboard or Drawer, as ordered—					
†313	2½"	"	10	do.	..	} Nil
†314	2½"	"	10	do.	..	
*315	" Switch, fitted with brass shackle and steel chain, one key each, keys to pass, with V.R. cast on front of lock	Aust.	1,400	do.	0 5 3	Workshops Manager, North Melbourne
Staples, Box, for Rim Locks—						
316	5"	"	} 60 doz.	dozen	0 12 0	C. J. White & Sons Pty. Ltd.
†317	6"	U.K.		do.	0 10 5	S. Cohen Sons & Co. Pty. Ltd.
318	7", "Legge's"	"		do.	0 12 6	Briscoe & Co. Ltd.
319-320.	Nil.					

SUNDRY IRONMONGERY (TOOLS, ETC.).

The Bottle Jacks supplied under Items 360 and 361 shall be of the best quality with C.I. body and square threaded steel screw.

The Chain Pulley Blocks under Items Nos. 326 to 329 shall be tested by maker to 50 per cent. in excess of capacity, and certificate shall be furnished when called upon.

†321	Bits, Brace, screw, any sizes ordered, "Ridgway"	U.K.	8,000-8ths	¼th of in.	0 0 4½	Briscoe & Co. Ltd.
†322	" German type, any sizes ordered up to ¾"	"	800	each	..	Nil
†323	" Solid centre, any sizes ordered, "Whitehouse,"	U.K.	300-8ths	¼th of in.	0 0 3¾	McPherson's Pty. Ltd.
†324	" Wagon, 7/16", "Mathieson"	U.K.	} 60 doz.	dozen	1 8 6	} Thos. Warburton
†325	" " 8/16", " "	"		do.	1 11 0	
	Blocks Chain Pulley, provided with 20' lift (40-ft chain) and 40' hand chain, "Hyper-Acme"—					
326	10 cwt.	"	12	each	5 18 0	} E. P. Bevan & Son Pty. Ltd.
327	20 cwt.	"	4	do.	7 0 10	
328	30 cwt.	"	20	do.	7 10 0	
329	100 cwt.	"	2	do.	15 5 6	
†330	Braces, Carpenters', 10"	"	80	do.	..	} Nil
†331	" " 12"	"	80	do.	..	
†332	" " Ratchet, 12", "Jas. Chapman No. 61"	U.K.	160	do.	0 7 10	McPherson's Pty. Ltd.
333	Chains, Mortise, ¾" x 32 links	"	6	do.	..	Nil
	Chisels, Firmer (handled), "Ward & Payne"—					
334	1"	U.K.	} 6 doz.	dozen	0 9 3	} S. Cohen Sons & Co. Pty. Ltd.
335	1½"	"		do.	0 10 2	
336	2"	"		do.	0 11 2	
337	2½"	"		do.	0 12 2	
338	3"	"		do.	0 12 11	
339	3½"	"		do.	0 14 2	
340	4"	"		do.	0 15 5	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
SUNDRY IRONMONGERY (TOOLS, ETC.)—continued.						
341	Chisels, Socket (handled), "Marple's"—	U.K.	50 doz.	dozen	0 19 8	James Walker
342	1 1/4"	"		do.	1 0 5	
343	3/8"	"		do.	1 1 9	
344	5/8"	"		do.	1 3 1	
345	7/8"	"		do.	1 5 0	
346	7/8"	"		do.	1 6 6	
347	1"	"		do.	1 8 11	
348	1 1/4"	"		do.	1 14 11	
349	1 1/2"	"		do.	1 18 4	
†350	Frames, Hack Saw, adjustable, "Hecht Pfeiffer"	Germy.	200	each	0 1 1	S. Cohen Son & Co. Pty. Ltd.
†351	Gimlets, any sizes ordered	U.K.	72	do.	0 0 3 1/2	Briscoe & Co. Ltd.
†352	Hammer, Cast Steel—					
	Claw, No. 5, "Cheney"	U.S.A.	500	do.	0 3 9	C. S. Green & Son
†353	" No. 7, "Cheney"	"		do.	0 4 10	Hardware Co. of Aust.
†354	Shoeing, "Brade's"	U.K.	12	do.	0 2 1	Pty. Ltd.
†355	Sledge, double-faced, 4 to 16 lb., as ordered, "Whitehouse"	"	1,000 lb.	lb.	0 0 3 1/2	James Walker
†356	Engineers' Hand, 1, 1 1/4, 1 1/2, and 2 lb., as ordered, "Whitehouse"	"	1,500 "	do.	0 0 7 1/4	
†356A	" " " " 1/2 lb.	"		each	0 0 7 1/2	
†357	Irons, Soldering, handled, 1 1/2 lb. (copper bar not cast)	Aust.	50	do.	0 2 11 1/2	McPherson's Pty. Ltd.
†358	" " " " 2 lb. (copper bar not cast)	"	260	do.	0 3 9	
†359	" " " " 2 1/2 lb. (copper bar not cast)	"	150	do.	0 4 9	
360	Jacks, Lifting, Bottle, 10 tons capacity, "Holt & Willett's"	U.K.	4	do.	1 7 0	E. Duckett & Sons
361	" " " " 5 tons capacity, "Hampton"	"	10	do.	0 16 10	S. Cohen Sons & Co. Pty. Ltd.
362	" Rack and Pinion (German type), 10 tons lifting capacity, "Trehwella"	Aust.	20	do.	12 7 0	E. Duckett & Sons
363	" " " " (German type), 5 tons lifting capacity, "Trehwella"	"	40	do.	8 0 0	Hardware Co. of Aust. Pty. Ltd.
364	" " " " "Trehwella," for track gangs, 40 cwt. lifting capacity	"	80	do.	3 0 0	Trehwella Bros. Pty. Ltd.
†365	Knives, Farriers', Shoeing	U.K.	24	do.	0 1 2	S. Cohen Sons & Co. Pty. Ltd.
†366	Knives, Shoemakers', "Billy Tools Co."	"	400	do.	0 0 5 1/2	McPherson's Pty. Ltd.
†367	Levels, Spirit, 8", "Rabone's"	"	260	do.	0 1 2 3/4	James Walker
†368	" " " " 24", "Rabone's," No. 105	"	140	do.	0 7 3	E. P. Bevan & Son Pty. Ltd.
†369	" " " " 30", "Rabone's," No. 100	"	12	do.	0 6 11	E. Duckett & Sons
370	Oilers, Zinc, long or short spout, as ordered..	"	500	do.	..	Nil
†371	Pincers, Farriers', 10", "Pexto"	U.S.A.	12	do.	0 2 11	E. Duckett & Sons
†372	Planes, Jack, 2 1/4", "Mathieson's"	U.K.	30	do.	0 10 1	
373	" " " " "German," Jack, 2", "Mathieson's"	"	40	do.	0 8 2	
†374	Plyers, 5", round-nosed	Sweden	40 pairs	pair	0 2 7	James Walker
†374A	" " " " 5", square-nosed and cutting	"		do.	0 1 6	
†375	" " " " 6", square-nosed and cutting	"		do.	0 1 8	
†376	" " " " 7", round, square-nosed or cutting, as ordered	"		do.	..	
†377	" " " " 8", square-nosed and cutting	Sweden	30 "	do.	..	Nil
†378	" " " " Gas, 8"	U.K.	20 "	do.	0 1 11	James Walker
†379	" " " " 10", square-nosed and cutting	"	30 "	do.	..	Nil
†380	" " " " Detonator	"	12 "	do.	..	Nil
381	Punches, Belt, No. 8	U.K.	12	each	0 0 10 1/2	E. P. Bevan & Son Pty. Ltd.
382	" " " " No. 10	"	12	do.	0 1 2	
†383	Rakes, Steel, handled, 16" to 18", as ordered, "Wallingford"	U.S.A.	5,000 ins.	per in. inwidth	0 0 3 1/2	E. Duckett & Sons

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
SUNDRY IRONMONGERY (TOOLS, ETC.)—continued.								
†384	Rules, Box, 2', fourfold, "Rabone, 1379" ..	U.K.	1,200	each	0	1	4½	McPherson's Pty. Ltd.
†385	Screwdrivers, Flat Blade, any sizes ordered "Wm. Marples & Sons"	"	"	in. of blade	0	0	2½	Lascelles Parrington Ltd.
†386	" Round Blade, "Woodcocks," or any suitable alternative, any sizes ordered, "Marples"	"	3,000 ins.	do.	0	0	2½	James Walker
†387	Screws, Hollow Set, ½" ..	Aust.	250	each	0	0	2	E. Duckett & Sons
†388	Scythes, Blades only, ordinary, 30", "Tyzack's"	U.K.	"	do.	0	5	0	
†389	" " " 36" " " "	"	140	do.	0	5	5	C. S. Green & Son
†390	" " " 40" " " "	"	"	do.	0	6	0	
†391	Snips, Steel, 6" to 14", as ordered, "straight," "J. Cousins & Sons"	"	2,000 ins.	inch	0	0	2½	E. Duckett & Son
†392	Stones, Oil, "Gem," 7" x 2" x 1" ..	U.S.A.	170	each	0	2	2	Briscoe & Co. Ltd.
†393	" Carborundum, No. 108 combination	"	50	do.	0	4	11	S. Cohen Sons & Co. Pty. Ltd.
†394	" Oil, Slips, "Washita," No. 1, "Lily White"	"	6	do.	0	1	0	James Walker
†395	" Scythe, Carborundum, oval, No. 191	"	24 doz.	dozen	0	10	4	Lascelles Parrington Ltd.
†396	Spanners, Steel, "Clyburn," 6" to 8", as ordered, "Sheffield Steel Products"	U.K.	5,000 ins.	inch	0	0	4½	
397	" " " "Clyburn," 9" to 14", as ordered, "Highgate Tool Co."	"	7,000 ins.	inch	0	0	4½	E. Duckett & Sons
†398	" " " "Clyburn," 15" " " "	"	72	each	0	5	5	
†399	" " " " " 16" " " "	"	60	do.	0	5	8	Lascelles Parrington Ltd.
400	" " " " " 18", "Sheffield Steel Products"	"	100	do.	0	7	9	
401	" " " " " 21" " " "	"	36	do.	0	8	11	McPherson's Pty. Ltd.
402	" " " " " 24", "Highgate"	"	24	do.	0	11	8	
403	" " " "Footprint," 6", "Ellin's"	"	30 pairs	pair	0	1	1	C. S. Green & Son
404	" " " " " 7" " " "	"	"	do.	0	1	3	
405	" " " " " 9" " " "	"	"	do.	0	2	0	Nil
†406	" " " " " 10" " " "	"	100 "	do.	"	"	"	
407	" " " " " 11" " " "	"	"	do.	"	"	"	McPherson's Pty. Ltd.
408	" " " " " 12", "T. Ellin"	U.K.	"	do.	0	2	11½	
409	" " " " " 14" " " "	"	16 "	do.	0	3	9	C. S. Green & Son
410	" " " " " 16" " " "	"	"	do.	0	6	6	
*411	" " Shifting, 16", heavy, "Wynn Timmins"	"	100	each	0	8	11	James Walker
†412	Spanners, Set, ½" x ¾" ..	"	160	do.	0	1	2½	McPherson's Pty Ltd.
†413	" " " ¾" x 1" ..	"	Nil	"	"	"	"	Nil
†414	Tubes, Spirit Level, 1½" x 11" ..	U.K.	6 doz.	dozen	0	2	6	E. Duckett & Sons
†415	" " " 2½" x 8" ..	"	10 "	do.	0	3	6	
416	Tapes, Metallic, with flush folding handles— 33 feet, in decimals of yards and feet, "Lufkin"	U.S.A.	40	each	0	7	0	James Walker
†417	66 feet, in decimals of yards and feet, "Rabone's"	U.K.	150	do.	0	10	9	S. Cohen Sons & Co. Pty. Ltd.
418	33 feet, in links and feet, "Lufkin" ..	U.S.A.	10	do.	0	6	6	James Walker
419	66 feet, in links and feet " " ..	"	100	do.	0	10	0	
420	Tapes, Steel— 33 feet, in decimals of yards and feet, "Lufkin"	"	20	do.	0	15	9	James Walker
†421	66 feet, in decimals of yards and feet " " ..	"	20	do.	1	4	4	
422	33 feet, in links and feet " " ..	"	12	do.	0	14	4	James Walker
423	66 feet, in links and feet " " ..	"	80	do.	1	2	11	
†424	Trowels, Bricklayers', "Tyzack's," left or right hand, as ordered	U.K.	120	do.	0	3	7	James Walker
†425	" Plasterers', 11", Tyzack's "	"	60	do.	0	4	5	
426	" Gauge " " " "	"	10	do.	0	2	2	James Walker
†427	" Pointing, 5" " " "	"	60	do.	0	1	5	
428	" " 6" " " "	"	75	do.	0	1	6	
429	Refills for Metallic Measuring Tapes— 33 feet, in decimals of yards and feet, "Lufkin"	U.S.A.	8	each	0	4	5	James Walker
430	66 feet, in decimals of yards and feet, "Rabones"	U.K.	24	do.	0	6	0	S. Cohen Sons & Co. Pty. Ltd.

SUNDRY IRONMONGERY, TOOLS, ETC.—*continued.*

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
SUNDRY IRONMONGERY (TOOLS, ETC.)— <i>continued.</i>						
431	Refills for Metallic Measuring Tapes— 33 feet, in links and feet, "Lufkin" ..	U.S.A.	2	each	0 4 2	James Walker
432	66 feet, in links and feet, "Lufkin" ..	"	90	do.	0 6 9	
†433	Viscs— Pipe, 2" chain, Genuine Vulcan ..	"	12	do.	0 12 2	McPherson's Pty. Ltd.
†434	" 2½" chain, Genuine Vulcan ..	"		do.	1 5 5	
†435	" 2", hinged, self-locking frame, "Hampton" ..	U.K.	2	do.	0 9 4	
†436	Bench, 4" jaws, instantaneous parallel (light type), "Dawn Mfg. Co." ..	Aust.	80	do.	1 1 11½	E. Duckett & Sons
†437	Blacksmiths', 5" jaw, staple "Gilpin" ..	U.K.	6	do.	2 3 9	McPherson's Pty. Ltd.
†438	" 6" jaw, staple, "Gilpin" ..	"	20	do.	2 18 0	
439	Bench, instantaneous, 6" (heavy type), parallel, "Hampton" ..	"	80	do.	2 14 3	
†440	" " 6" (light type), parallel, "Dawn Mfg. Co." ..	Aust.	12	do.	2 4 11	E. Duckett & Sons
†441	" " 7½" parallel, 133 lb., "Dawn Mfg. Co." ..	"	2	do.	3 12 5	
†442	Hand, 6" long, regular pattern, "Hecht Pfeiffer" ..	Germany	6	do.	0 2 3	S. Cohen Sons & Co. Pty. Ltd.
443	Wrenches, "Stillson's," 14" ..	"	20	do.	0 4 5	Lascelles Parrington Ltd. James Walker
444	" " 24" Record ..	U.K.	20	do.	0 8 8	
445	" " 36", "Peckstow & Wilcox" ..	U.S.A.	20	do.	0 15 11	
446-450.	Nil.					

WOODEN HANDLES.

As regards Items Nos. 472, 472A and 472B three tenders have been accepted in order that a comparative test may be conducted by the Chief Engineer of Way and Works, and orders should be placed on each Company.

Handles—						
†451	Adze, No. 1, "Ideal" Hickory ..	U.S.A.	80 doz.	dozen	1 14 0	E. Duckett & Sons
†452	Axe, 32", No. 1, "Gem" Hickory ..	"	60 "	do.	1 7 3	Hardware Co. of Aust. Pty. Ltd.
†453	" 36", No. 1, "Gem" Hickory ..	"	200 "	do.	1 7 3	
†454	Broom, Short, 3' 6" ..	Aust.	40 "	do.	0 3 0	Workshops Manager, North Melbourne
†455	" Long, 6', straight ..	"	250 "	do.	0 5 0	
†456	Claw Hammer, No. 1, "Ideal" Hickory ..	U.S.A.	7 "	do.	0 7 0	C. S. Green & Son
†457	Handles, Hammer, first quality Hickory— 14", No. 1, "Ideal" ..	"	6 "	do.	0 6 0	
†458	16", No. 1, "Ideal" ..	"	400 "	do.	0 7 9	James Walker
†459	18", No. 1, "Gem" ..	"	100 "	do.	0 7 11	S. Cohen Sons & Co. Pty. Ltd.
†460	20", No. 1, "Gem" ..	"	180 "	do.	0 9 7	Hardware Co. of Aust. Pty. Ltd.
†461	22", No. 1, "Gem" ..	"	12 "	do.	0 10 8	
†462	24", No. 1, "Gem" ..	"	80 "	do.	0 13 0	S. Cohen Sons & Co. Pty. Ltd.
†463	30", No. 1, "Gem" ..	"	28 "	do.	0 17 8	
†464	36", No. 1, "Perfection" ..	"	240 "	do.	0 18 9	Hardware Co. of Aust. Pty. Ltd.
†465	38", No. 1, "Perfection" ..	"	80 "	do.	1 1 9	
†466	Handles, Mop, Ferruled, "Excelsior Broom Co." ..	Aust.	40 "	do.	0 5 8	E. Duckett & Sons
Handles, Pick—						
†467	D.E., Navvy, No. 1, "Ideal" Hickory ..	U.S.A.	400 "	do.	1 7 6	Nil
†468	Miners' ..	"	15 "	do.	..	
†469	" "Ballarat" "Blue Mountain" ..	Aust.	250 "	do.	1 0 6	Hardware Co. of Aust. Pty. Ltd.
†470	Coal Miners', 85A, "Hely Bros." ..	"	30 "	do.	0 7 8	S. Cohen Sons & Co. Pty. Ltd.
†471	Handles, Shovel, long-handled, bent, "Hely Bros." ..	"	40 "	do.	0 18 0	Hardware Co. of Aust. Pty. Ltd.
†472	" Shovel, S. H., bent, D top, "Blue Mountain," "J. Porta" ..	"		do.	1 4 0	C. S. Green & Son
†472A	" Shovel, S. H., bent, D top, "B. Fiddian & Sons" ..	U.K.	20 "	do.	1 5 10	McPherson's Pty. Ltd.
†472B	" Shovel, S.H., bent, D. top, "No. 1, Hickory" ..	U.S.A.		do.	1 7 6	Hardware Co. of Aust. Pty. Ltd.
†473	" " S.H., T top, firing ..	"	7 "	do.	..	Nil

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
WOODEN HANDLES—continued.								
†474	Handles, Scythe "Derby & Ball" Hickory	U.S.A.	8 doz.	dozen	3	16	0	James Walker
†475	" Tomahawk, No. 1, "Gem" Hickory	"	8 "	do.	0	6	8	S. Cohen Sons & Co. Pty. Ltd.
476 to 480.	Nil.							

AUGERS.

Augers, Screw, "Ridgeway"—								
481	$\frac{3}{8}$ " diameter	U.K.	250 doz.	dozen	0	18	6	C. S. Green & Son
482	$\frac{7}{16}$ "	"		do.	do.	0	18		6
†483	$\frac{1}{2}$ "	"	200 "	do.	1	0	9	Briscoe & Co. Ltd.
484	$\frac{9}{16}$ "	"		do.	do.	1	0		9
485	$\frac{5}{8}$ "	"	100 "	do.	1	5	0	C. S. Green & Son
†486	$\frac{11}{16}$ "	"		do.	do.	1	5		0
487	$\frac{3}{4}$ "	"	60 "	do.	1	7	3	C. S. Green & Son
†488	$\frac{13}{16}$ "	"		do.	do.	1	7		3
489	$\frac{1}{2}$ "	"	50 "	do.	1	11	0	Briscoe & Co. Ltd.
490	$\frac{15}{16}$ "	"		do.	do.	1	11		0
†491	1"	"	5 "	do.	3	7	6	Briscoe & Co. Ltd.
492	2"	"		do.	do.	3	7		6
493	2 $\frac{1}{2}$ "	"	6 "	do.	6	7	0	
Augers, Bull-nosed, Ship, "Ridgeway"—								
494	$\frac{1}{2}$ "	"	1 "	do.	2	9	0	Briscoe & Co. Ltd.
†495	$\frac{3}{4}$ "	"	1 "	do.	2	16	6	
496	$\frac{1}{2}$ "	"	1 "	do.	3	2	9	
497	1"	"	1 "	do.	3	8	0	
Augers, Screw, for railway hardwood sleepers, 8 threads per inch on lead screw, and cutting edges sharpened, "Ridgeway"—								
†498	$\frac{11}{16}$ " diameter	"	600 "	do.	1	5	0	Briscoe & Co. Ltd.
†499	$\frac{3}{4}$ " diameter	"		do.	do.	1	5		0
500	Nil.							

ADZES, AXES, ETC.

Adzes, Carpenters', plain or pin-poled, as ordered—								
†501	No. 2, "Brades" superior quality	U.K.	400	each	0	3	9	E. Duckett & Sons
†502	No. 3, "Brades" superior quality	"	200	do.	0	4	9 $\frac{1}{2}$	Hardware Co. of Aust. Pty. Ltd.
†503	Axes, handled, 5 lb., "Plumb"	U.S.A.	800	do.	0	7	8	S. Cohen Sons & Co. Pty. Ltd.
†504	Hatchets, Axe Pattern, handled, "Brades" No. 1, "Hunters 378"	U.K.	800	do.	0	2	7	George Russell Pty. Ltd.
†505	" Lathing, No. 3, handled, "Brades" No. 1688	"	140	do.	0	3	4	Hardware Co. of Aust. Pty. Ltd.
†506	Hooks, Bush, axe-handled, Cornelius Whitehouse, "Hedgehog," No. 666	"	5	do.	0	5	11	
†507	" Fern, "Cornelius Whitehouse and Son"	"	200	do.	0	3	5	
†508	Mattocks, "Brades" No. 1332	"	24	do.	0	2	9	James Walker
†509	Slashers, Straight-handled, "Cornelius Whitehouse and Son," No. 203A	"	18	do.	0	5	4	C. S. Green & Son
510	Nil.							

SHOVELS, PICKS, ETC.

As regards Items Nos. 511, 512, 515, and 516, two tenders have been accepted, each for British and Australian shovels. No orders are to be placed for shovels of British manufacture, unless it is definitely proved that the Australian shovels are unsatisfactory. Further, no requisitions are to be satisfied with British shovels, without reference to the Chief Storekeeper.

As regards Item No. 517, two tenders have been accepted, but orders are not to be placed on the Hardware Company of Australia for shovels manufactured by Spear and Jackson, unless a sample has been submitted and reported on as satisfactory by the Superintendent of Locomotive Supplies. In the letter of acceptance, the Contractor has been requested to forward a sample as soon as possible. If satisfactory, this Company should receive all orders for the balance of the period, as the rate is lower. As regards Items Nos. 521 and 523, as far as possible orders are to be equally divided, provided satisfactory service is rendered.

Shovels, Steel—								
†511	Long-handled, round mouth, No. 3, "Parkes Wheel" brand	U.K.	included in Item No. 512	each	0	6	1	Mining Supplies Co.
†511A	" " round mouth, No. 3	Aust.		do.	do.	0	5	5	Titan Manufacturing Co. Pty. Ltd.

SHOVELS, PICKS, ETC.—continued.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
†512	Shovels, Steel— Long-handled square mouth, No. 3, "Parkes Wheel" brand	U.K.	1,100	each	0	6	1	Mining Supplies Co.
†512A	" " square mouth, No. 3	Aust.		do.	0	5	5	Titan Manufacturing Co. Pty. Ltd.
†513	Short-handled, round or square mouth, as ordered	..	1,200	do.	..	..	To be ordered under Item No. 514	
†514	Moulders', smooth back, No. 2, "Brades No. 1153"	U.K.	1,250	do.	0	6	5	E. Duckett & Sons
†515	Navy, round mouth, No. 4, "Parkes Wheel" brand	..	3,000	do.	0	6	1	
†515A	Navy, round mouth, No. 4	Aust.		do.	0	5	7	Titan Manufacturing Co. Pty. Ltd.
†516	Square mouth, No. 3, "Parkes Wheel" brand	U.K.	3,700	do.	0	5	9½	McPherson's Pty. Ltd.
†516A	" " No. 3	Aust.		do.	0	5	5	Titan Manufacturing Co. Pty. Ltd.
†517	Fuelmen's, No. 6, "Brades"	U.K.	300	do.	0	7	4	E. Duckett & Sons
†517A	" No. 6, "Spear & Jackson" .. ..	..		do.	0	6	8	Hardware Co. of Aust. Pty. Ltd.
†518	" No. 8, "Griffin"	Aust.	400	do.	0	7	2	Tulloch's Phoenix Iron-works Ltd.
†519	Coal, square-mouthed, D handled, No. 6, "J. H. Smith & Sons"	U.K.	300	do.	0	3	10½	Hardware Co. of Aust. Pty. Ltd.
†520	" square-mouthed, D Handled, No. 7, "J. H. Smith & Sons"	..		do.	0	4	3	
†521	Firemen's	Aust.	1,600	do.	0	8	6	Grays Pty. Ltd.
†521A	" " Griffin" .. ..	..		do.	0	7	0	Tulloch's Phoenix Iron-works Ltd.
†522	Forks, Digging, 5-prong, "Brades, No. 743"	U.K.	72	do.	0	5	6	E. Duckett & Sons
†523	" Stone, 8-prong, "Wallingford"	U.S.A.	48	do.	0	7	1	Mining Supplies Co.
†523A	" " 8-prong, "Brades"	U.K.		do.	0	8	7	Hardware Co. of Aust. Pty. Ltd.
†524	Picks, Miners', "Brades No. 1337," 4-lb. ..	..	240	do.	0	2	5	Briscoe & Co. Ltd.
†525	" Coal Miners', 2-lb., "Brades" .. ..	..	100	do.	0	1	9	
†526	" Navy, double-ended, diamond and chisel-pointed, 7-lb., "Brades No. 1308"	..	1,300	do.	0	2	1½		E. Duckett & Sons
527 to 530	Nil							

SAWS AND BLADES.

Name of Manufacturer—

- Items Nos. 535, 536, 555-561.—Vickers Ltd.
- Items Nos. 546, 563-565.—Spear & Jackson.
- Items Nos. 547-554.—Eagle & Globe Steel Co.
- Items Nos. 541, 544, 545.—Slack, Sellars & Co.
- Items Nos. 531-534, 540.—James Neill & Co.
- Item No. 562.—H. Disston & Sons.
- Item No. 537.—Eclipse.

Blades, Hack Saw, High Speed—									
†531	8" x 1/8" x 23 G., "Eclipse"	U.K.	50 doz.	dozen	0	1	2½	McPherson's Pty. Ltd.	
†532	9" x 1/8" x 23 G., "Eclipse" .. ..	..	600 "	do.	0	1	4½	
†533	10" x 1/8" x 23 G., "Eclipse" .. ..	..	3,000 "	do.	0	1	6½	
†534	12" x 1/8" x .025, "Eclipse" .. ..	..	2,500 "	do.	0	1	9½	
†535	16" x 1" x 18 G., "Vickers"	12 "	do.	0	6	9		Wm. Adams & Co. Ltd.
†536	17" x 1" x 18 G., "Vickers" .. ..	..	120 "	do.	0	7	2	
†537	Any length over 12", other than 16" and 17", as ordered	..	160 ins.	inch	0	0	0.48	Wm. Crosby & Co. Pty. Ltd.	
Blades, Hack Saw, "Milford," or any suitable alternative—									
†538	12" x 1/8" x 23 gauge, 16 teeth to the inch		48 doz.	dozen	..	..	..	Nil
†539	24" x 1 1/4" x .056 .. ..	..	8 "	do.	..	..	..
†540	Blades, Hack Saw, High Speed, "Eclipse" heavy duty, for railway rails, 12" x about 1/8" x about 23 gauge, 14 to 18 points per inch, as ordered	U.K.	24 "	do.	0	2	0	McPherson's Pty. Ltd.	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
SAWS AND BLADES—continued.						
	Saws, Band, narrow, in coils up to 108', and any gauge, as ordered—					
541	1"	U.K.	600 feet	foot	0 0 3½	J. A. Gray Eagle & Globe Steel Co. Ltd.
542	1"	"		do.	0 0 4	
543	1"	"	1,000 "	do.	0 0 4½	J. A. Gray Hardware Co. of Aust. Pty. Ltd.
544	1"	"		do.	0 0 5½	
545	1"	"		do.	0 0 5½	
546	7/8" (Standard gauges only)	"	240 "	do.	0 0 7	Hardware Co. of Aust. Pty. Ltd.
547	1"	"		do.	0 0 7½	
	Saws, Circular, any gauge ordered—					
548	24"	Aust.	600 ins.	each	1 13 7	Eagle & Globe Steel Co. Ltd. Wm. Adams & Co. Ltd.
549	26"	"		do.	1 19 2	
550	28"	"		do.	2 6 2	
551	30"	"		do.	2 13 2	
552	32"	"		do.	3 1 7	
553	34"	"		do.	3 12 9	
554	36"	"		do.	4 4 0	
555	42" "Vickers"	U.K.		do.	5 5 0	
556	44" "Vickers"	"		do.	6 3 0	
557	48" "Vickers"	"		do.	7 16 0	
558	54" "Vickers"	"	do.	13 12 0		
559	60" "Vickers"	"	do.	19 18 0		
560	66" "Vickers"	"	do.	28 15 0		
561	72" "Vickers"	"	do.	41 5 0		
†562	Saws, Crosscut, Lightning, any length or tooth, as ordered, "Disston," "Tasmanian"	U.S.A.	300 feet	lin. ft.	0 3 8	McPherson's Pty. Ltd.
†563	" Hand, 26", any tooth, as ordered "Mermaid 88A"	U.K.	500	each	0 9 3	Hardware Co. of Aust. Pty. Ltd.
†564	" Rip, 28", any tooth, as ordered	"	10	do.	0 10 3	
†565	" Lightning, 1-man, any length, as ordered, "Mermaid"	"	300 feet	lin. ft.	0 3 9	
566 to 570	Nil					

FILES AND RASPS.

The estimated requirements are based on the full list price.
The Files and Rasps supplied under Items 571, 572, and 575 shall be of any description, shape, length, or edge ordered.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Percentage of Price List submitted by contractor with his tender and current during the period of the contract.	Name of Contractor.
571	Files, as ordered, "Sheffield Steel Products"	U.K.	£5,000		60½%	McPherson's Pty. Ltd.
572	Rasps, as ordered, "Sheffield Steel Products"	"		do.	52%	
573 and 574	Nil					
575	Files, Saw, "Sheffield Steel Products"	"	£600	each	60½%	McPherson's Pty. Ltd.
* 576	" Valve rubber, bastard cut, 6" x 1½"	"	24	do.	0 4 2	Lascelles Parrington Ltd.
†577	" " " 7" x 1½"	"	120	do.	0 5 2	
578 to 580	Nil					

SADDLERS' MATERIAL.

581	Buckles, Hobble, 1½"	U.K.	3 gross	dozen	*0 3 0	W. P. Thompson & Co. Pty. Ltd.
582	" Half, 1½"	"	12 doz.	do.	*0 0 11	
583	" " 1", for hame straps	"	18 "	do.	0 1 0	Michaelis, Hallenstein, & Co. Pty. Ltd.

* Less 2½ per cent. discount, payment 30 days.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
SADDLERS' MATERIAL—continued.						
584	Buckles, $\frac{3}{4}$ " , half tinned	U.K.	9 doz.	doz.	*0 0 9	} W. P. Thompson & Co. Pty. Ltd.
585	" " double, $\frac{3}{4}$ "	"	9 "	do.	*0 0 8	
586	" " half gear, $3\frac{1}{2}$ "	"	1 "	do.	*0 2 9	
587	Collars, Horse, 20"	Aust.	} 100	each	1 7 6	} Michaelis, Hallenstein, & Co. Pty. Ltd.
†588	" " 19"	"		do.	1 7 6	
589	" " 15"	"		do.	1 7 6	
†590	Collar Check	"		30 yards	yard		..	Nil
591	Ends, Chain, for dray, $3\frac{1}{2}$ "	U.K.	4 pairs	pair	*0 3 3	W. P. Thompson & Co. Pty. Ltd.
592	Hemp, Brown	"	100 balls	ball	0 0 6	Michaelis, Hallenstein, & Co. Pty. Ltd.
593	Hooks, Plough, 3"	Aust.	20 doz.	dozen	*0 5 0	W. P. Thompson & Co. Pty. Ltd.
594	Ink, Saddlers'	"	10 bots.	bottle	0 1 6	Michaelis, Hallenstein, & Co. Pty. Ltd.
595	Needles, Harness, No. 2	U.K.	3 pkts.	packet	*0 0 5	W. P. Thompson & Co. Pty. Ltd.
596	Rings and Bits, $1\frac{1}{2}$ " , japanned	"	6 doz.	dozen	0 9 0	Michaelis, Hallenstein, & Co. Pty. Ltd.
597	Rivets, Saddlers', $\frac{3}{8}$ "	"	20 lb.	lb.	*0 2 6	} W. P. Thompson & Co. Pty. Ltd.
598	" " " " $\frac{3}{8}$ "	"	20 "	do.	*0 2 6	
†599	Serge, Saddle	"	9 yds.	yard	0 7 0	Michaelis, Hallenstein, & Co. Pty. Ltd.
600	Twine, Collar	"	9 balls	ball	*0 3 6	} W. P. Thompson & Co. Pty. Ltd.
601	Wax, Black	Aust.	100 "	100 balls	*0 6 0	
602	Webbing, Girth Cotton	U.K.	10 yds.	yard	*0 1 0	
603 to 607	Nil					

NAILS, ETC.

J. R. Bell & Co. offer to give delivery of all items in their contract at Spotswood Storehouse, or Metropolitan Receiving Depot, at the Department's option.

The tacks supplied under Items Nos. 700 and 702 shall be clean and suitable for upholsterers' use.

Brads, Finishing, Cut—						
†608	$\frac{1}{2}$ "	U.S.A.	} 7 cwt.	cwt.	6 18 0	S. Cohen Sons & Co. Pty. Ltd.
†609	$\frac{3}{8}$ "	"		do.	6 15 0	} Briscoe & Co. Ltd.
610	$\frac{3}{8}$ "	"		do.	6 8 0	
611	$\frac{1}{2}$ "	"		do.	6 2 0	} S. Cohen Sons & Co. Pty. Ltd.
†612	1"	"		do.	5 18 0	
613	$1\frac{1}{2}$ "	"		do.	5 12 0	
614	$1\frac{1}{2}$ "	"	do.	5 9 0		
615	2"	"	do.	5 8 0	} Nil	
†616	Brads, Moulders', 4"	"	50 "	do.		..
Chaplets, Box—						
617	$\frac{1}{2}$ "	U.K.	} 200 lb.	lb.	0 1 6	} McPherson's Pty. Ltd.
†618	$\frac{3}{8}$ "	"		do.	0 1 4	
619	$\frac{1}{2}$ "	"		do.	0 1 0	
620	1"	"		do.	0 1 0	
Chaplets, W.I.—						
†621	8" long x $\frac{1}{4}$ "	"	} 160 "	do.	..	} Nil
†622	8" long x $\frac{3}{8}$ "	"		do.	..	
Nails, Clout, Wire—						
623	$\frac{1}{2}$ " , bright x 13 gauge	Aust.	} 2,700 cwt.	cwt.	1 15 6	} J. G. Black Pty. Ltd.
624	$\frac{3}{8}$ " , bright x 13 "	"		do.	1 15 6	
†625	$\frac{1}{2}$ " , bright x 12 "	"		do.	1 15 6	
626	1" , bright x 12 "	"		do.	1 15 6	
627	$1\frac{1}{2}$ " , bright x 12 "	"		do.	1 13 0	

* Less 2½ per cent. discount, payment 30 days.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.		
					£ s. d.			
NAILS, ETC.—continued								
† 628	Nails, Clout, Wire— 2", galvanized x 12 gauge	Aust.	100 cwt.	cwt.	2 14 9	E. Duckett & Sons		
629	1", galvanized x 12 "	"		do.	2 12 0	J. R. Bell & Co.		
† 630	1 1/4", galvanized x 12 "	"		do.	2 12 0			
631	1 1/2", galvanized x 12 "	"		do.	2 12 0	Nil		
† 632	Nails, Copper, 3"	"	56 lb.	lb.	..	Nil		
	Nails, Countersunk, "Guest, Keen and Nettle-folds"—							
633	1 1/2"	U.K.	1 cwt.	cwt.	3 12 0	McPherson's Pty. Ltd.		
634	1 3/4"	"		do.	3 4 0	E. Duckett & Sons		
635	2"	"	15 "	do.	2 17 0	McPherson's Pty. Ltd.		
636	2 1/4"	"		do.	2 14 0			
† 637	Nails, Dog, 2 1/2" x 5/16", "Clyde" brand, or any suitable alternative	"	25 tons	ton	..	Nil		
† 638	Nails, Dog, 3" x 1/4", "Clyde" brand	U.K.	2 "	do.	28 12 6	E. Duckett & Sons		
	Nails, Horseshoe, full or half counter, "Capewell's"—							
639	Size 4	"	10 cwt.	cwt.	5 11 0	McPherson's Pty. Ltd.		
640	" 5	"		do.	4 17 6	S. Cohen Sons & Co. Pty. Ltd.		
641	" 6	"		do.	4 9 0	E. Duckett & Sons		
642	" 8	"		do.	3 15 0			
643	" 10	"		do.	3 15 0			
644	" 12	"		do.	3 15 0			
	Nails, Roofing, Galvanized, Spring-head—"Evenden"—							
645	2"	Aust.	1,000,000	1,000	0 8 0	J. G. Black Pty. Ltd.		
646	2 1/4"	"		do.	0 8 0			
647	2 1/2"	"		do.	0 8 0			
648	3"	"		do.	0 8 0			
† 649	Nails, Slaters', Copper, 1 1/2"	"	28 lb.	lb.	0 1 8 1/2	S. Cohen Sons & Co. Pty. Ltd.		
650	" " Galvanized	"	56 "	do.	..	Nil		
	Nails, Steel, Black—							
651	3"	U.K.	15 cwt.	cwt.	1 14 10 1/2	E. Duckett & Sons		
652	4"	"	15 "	do.	1 12 10 1/2			
653	5"	"	80 "	do.	1 11 10 1/2			
654	6"	"	300 "	do.	1 11 10 1/2			
655	7"	"	160 "	do.	1 11 10 1/2			
656	8"	"	25 "	do.	1 11 10 1/2			
	Nails, Steel, Galvanized—							
657	3"	U.K.	80 "	do.	2 7 0	Hardware Co. of Aust. Pty. Ltd.		
658	4"	"		do.	2 5 0			
659	5"	"		do.	2 5 0			
660	Nails, Wire, Brads, Flooring, 10 gauge, any lengths ordered	Aust.	30 "	do.	1 3 6	E. Duckett & Sons		
	Nails, Wire, Diamond-headed, any lengths ordered—							
661	No. 4	"	1,700 "	do.	1 0 0	J. R. Bell & Co.		
662	No. 5	"		do.	1 0 0			
663	No. 6	"		do.	1 0 0			
664	No. 7	"		do.	1 0 0			
665	No. 8	"		do.	1 0 6			
666	No. 9	"		do.	1 1 0			
667	No. 10	"		do.	1 1 6			
668	No. 11	Aust.		350 cwt.	cwt.		1 2 6	The Titan Nail and Wire Pty. Ltd.
669	No. 12	"		do.	1 3 6		E. Duckett & Sons	
670	No. 13	"		120 "	do.			1 4 6
671	No. 14	"	12 "	do.	1 6 0	J. R. Bell & Co.		
672	No. 15	"		do.	1 8 6			
	Nails, Wire, Flat Head—							
673	1" x 15 gauge	"	14 "	do.	1 8 6	The Titan Nail and Wire Pty. Ltd.		
674	1 1/2" x 15 gauge	"	2 "	do.	1 8 6			
675	2" x 11 gauge	"	2 "	do.	1 2 6	Thos. Mitchell & Co Pty Ltd.		
676	1" x 14 gauge	"	10 "	do.	1 6 0	E. Duckett & Sons		

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
NAILS, ETC.—continued.						
677	Pins, Gimp, japanned—	U.K.	1,700 lb.	lb.	0 0 7½	S. Cohen Sons & Co. Pty. Ltd.
678	.. .. .	"		do.	0 0 7½	
679	.. .. .	"		do.	0 0 7½	
680	Pins, Panel, countersunk—	Aust.	40 cwt.	cwt.	2 8 5	E. Duckett & Sons
681	1" x 17 gauge	"		do.	2 8 5	
682	1" x 17 gauge	"		do.	2 7 6	S. Cohen Sons & Co. Pty. Ltd.
683	1" x 16 gauge	"		do.	1 16 6	
684	1" x 16 gauge	"		do.	1 16 6	James Walker
685	1½" x 16 gauge	"		do.	1 16 6	
686	1½" x 16 gauge	"		do.	1 16 6	
687	1½" x 16 gauge	"		do.	1 16 6	
688	2" x 14 gauge	"	do.	1 11 0		
689	Staples, Galvanized Wire—	"	15 cwt.	cwt.	1 9 0	E. Duckett & Sons
690	1" x 12 gauge	"		do.	1 9 0	
691	1" x 12 gauge	"		do.	1 7 0	The Titan Nail and Wire Pty. Ltd.
692	1" x 10 gauge	"		do.	1 5 0	
*693	Staples, Galvanized Wire, for fencing, 1½" x 8 gauge	"	120 "	do.	1 3 0	J. R. Bell & Co.
694	Tacks, Copper—	U.K.	1,500 lb.	lb.	0 1 6½	S. Cohen Sons & Co. Pty. Ltd.
695	.. .. .	"		do.	0 1 6½	
696	.. .. .	"		do.	0 1 6½	
†697	Tacks, coppered, double-pointed, 5/8"	Aust.	56 "	do.	0 0 8½	E. Duckett & Sons
698	Tacks, Cut, blued, fine—	U.K.	120 lb.	lb.	0 0 10	E. Duckett & Sons
699	.. .. .	"	500 "	do.	0 0 5½	S. Cohen Sons & Co. Pty. Ltd.
700	1" for upholsterers	"	1,000 "	do.	0 0 6	E. Duckett & Sons
701	.. .. .	"	1,200 "	do.	0 0 4½	S. Cohen Sons & Co. Pty. Ltd.
702	1" for upholsterers	"	1,000 "	do.	0 0 4½	E. Duckett & Sons
703	.. .. .	"	1,000 "	do.	0 0 4½	S. Cohen Sons & Co. Pty. Ltd.
704	.. .. .	"	100 "	do.	0 0 4	
705	Tacks, Cut, blued, stout, any sizes ordered	"	120 "	do.	0 0 4½	E. Duckett & Sons
706	Tacks, Cut, tinned, best—	"	1,600 "	do.	0 0 5½	S. Cohen Sons & Co. Pty. Ltd.
707	.. .. .	"		do.	0 0 5½	
708	.. .. .	"		do.	0 0 5½	
709 and 710	Nil	"				

SCREWS AND SPLIT PINS.

The estimated requirements are based on the full list price.

As regards Item No. 726—In the event of there being any decrease in the working hours due to any Arbitration Court Award, or should there be any increase or decrease in the price of Broken Hill Pty. Co.'s material during the currency of the contract the rates shall be subject to amendment by mutual arrangement between the Chief Storekeeper and the Contractor.

As regards Items Nos. 711 to 718—E. Duckett & Sons—the rates shown are firm until 30th June, 1928. The rates for the ensuing twelve months from 1st July, 1928, shall be reviewed on the 1st July, 1928, or as soon thereafter as may be, and they shall vary up or down in the same proportion (and on the same basis as the 1927-1928 period) as compared with any increase or decrease in the trade discounts off Nettlefold's (Australian) price list as submitted by the Contractors with their tender, and the discounts ruling at 30th June, 1928—also should there be any alteration in the Customs Tariff the rates shall be subject to adjustment by mutual arrangement between the Contractor and the Chief Storekeeper.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
SCREWS AND SPLIT PINS—continued.						
					Discount off or percentage on Price List submitted by contractor and current during the contract period. (See note above.)	
711	Screws, any sizes ordered—"Nettlefold's" Wood, Brass, countersunk— Up to and including 12 gauge.. ..	U.K. & Aust.	£1,400	..	+4½%	E. Duckett & Sons
712	13 to 18 gauge	"		..	+4½%	
713	Wood, Brass, round head— Up to and including 12 gauge.. ..	"	£800	..	+4½%	
714	13 to 18 gauge	"		..	+4½%	
715	Wood, Brass, raised head	"	£100	..	+9½%	
716	Iron, countersunk	"	£3,600	..	-25½%	
717	" " round head, japanned	"	£400	..	-25½%	
718	Stove Brass, round or countersunk head, as ordered, any trade sizes ordered, up to ¾"	"	500 gross	..	-23½%	
718A	" " cheese head, any trade sizes ordered, up to ¾"	U.K.		..	-25%	
719	" Iron, round or countersunk, as ordered, any trade sizes ordered, up to ¾"	"		1,800	..		-32½%
Screws, Coach, Square head, Gimlet pointed—						
720	2" x ½"	Aust.	8 cwt.	cwt.	2 14 0	McPherson's Pty. Ltd.
721	2½" x ½"	"	10 "	do.	2 11 0	
722	3" x ½"	"	6 "	do.	2 9 0	
723	5" x ¾"	"	2 "	do.	1 13 0	
724	Any lengths ordered x ¾"	"	20 "	do.	3 6 0	
725	Sizes other than Items 720 to 724 inclusive, in ½", ¾", or 1" diameter, as ordered	"	50 "	do.	2 9 0	
Screws, Coach, Square head, Patent pointed—						
726	2½" x ½" x ¾" head	"	160 "	do.	2 7 6	G. F. Sewell Pty. Ltd.
727	4½" x ¾" x 1½" head	"	2 "	do.	1 16 0	McPherson's Pty. Ltd.
728	5" x ¾" x 1½" head	"	60 "	do.	1 12 0	
729	Sizes other than Items 726 to 728 inclusive, as ordered	"	20 "	do.	2 6 0	
Percentage off the Price List submitted with the tender and current during the period of Contract.						
Pins, Split—						
730	Any sizes ordered up to and including ¼"	Aust.	£1,200	..	-37½%	A. E. & F. Tame
731	" " over ¼"	"		50 gross	gross		-37½%
732	6" x ½" .. ..	"	..	..	2 0 9
733	7" x ½" "Nettlefold's"	U.K.	30	"	1 16 11	E. Duckett & Sons
734 to 736	Nil					

NUTS, RIVETS, AND SPIKES, ETC.

As regards Items Nos. 772 and 774, in the event of there being any decrease in the working hours due to Arbitration Court Award or any increase or decrease in the price of Broken Hill Pty. Co's. material during the currency of the contract, the rates shall be subject to adjustment by mutual arrangement between the Chief Storekeeper and the Contractor.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
Nuts, Bright, Mild Steel, Hexagon, Pressed and Finished—						
737	¾", thick	U.K.	100 gross	gross	0 3 7	James Walker
738	1" "	"	60 "	do.	0 4 1	E. P. Bevan & Son Pty. Ltd.
739	¾" "	"	150 "	do.	0 5 4	James Walker
740	1" "	"	3 "	do.	0 7 4	
741	1½" "	"	20 "	do.	0 8 9	
742	2" "	"	80 "	do.	0 14 6	
743	¾" "	Aust.	50 "	do.	1 2 0	McPherson's Pty. Ltd.
744	1" "	"	30 "	do.	1 11 0	James Walker
745	1½" "	"	30 "	do.	2 6 0	
746	2" "	"	20 "	do.	3 7 6	
747	1½" "	U.K.	10	do.	4 3 6	E. P. Bevan & Son Pty. Ltd.
748	1" "	"	5	do.	6 5 0	McPherson's Pty. Ltd.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
NUTS, RIVETS, AND SPIKES, ETC.—continued.						
Nuts, Bright, Mild Steel, Hexagon, Pressed and Finished— <i>continued.</i>						
749	$\frac{3}{8}$ " thin	U.K.	5 gross	gross	0 5 0	James Walker
750	$\frac{1}{2}$ "	"	12 "	do.	0 8 0	
751	$\frac{3}{8}$ "	Aust.	24 "	do.	0 14 6	McPherson's Pty. Ltd.
752	$\frac{1}{2}$ "	"	12 "	do.	1 2 5	
† 753	$\frac{7}{8}$ "	"	4 "	do.	1 9 6	James Walker
754	1"	"	10 "	do.	1 18 6	
755	$1\frac{1}{8}$ "	"	14 "	do.	2 11 0	McPherson's Pty. Ltd.
756	$1\frac{1}{4}$ "	"	1 "	do.	3 15 0	
757	$1\frac{3}{8}$ "	"	5 "	do.	5 15 0	
758	$1\frac{1}{2}$ "	"	5 "	do.	10 10 0	
Nuts, Bright, Mild Steel, Square, Pressed and Finished—						
† 759	$\frac{1}{2}$ "	U.K.	5 "	do.	0 0 11	James Walker
† 760	$\frac{3}{4}$ "	"	5 "	do.	0 1 8	
Nuts, Brass, Hexagon, Pressed, Whitworth Thread—						
† 761	$\frac{3}{16}$ "	"	15 "	do.	0 2 2	James Walker
† 762	$\frac{1}{4}$ "	"	10 "	do.	0 3 3	
Nuts, Castle, Hexagon, Finished—						
763	$\frac{1}{2}$ "	"	6 "	do.	0 15 0	E. P. Bevan & Son Pty. Ltd.
† 764	$\frac{3}{8}$ "	"	3 "	do.	1 1 0	
765	$\frac{1}{2}$ "	"	6 "	do.	1 9 9	
† 766	$\frac{3}{8}$ "	Aust.	1 "	do.	2 16 0	James Walker
† 767	Nuts, Slotted, Hexagon, Finished, 1" ..	U.K.	15 "	do.	2 18 4	E. P. Bevan & Son Pty. Ltd.
768	Rivets, Copper, with or without burrs, any sizes, as ordered	"	1,000 lb.	lb.	0 1 9½	E. Duckett & Sons
769	" " bifurcated, No. 9, in boxes of approx. 9 dozen	"	24 boxes	box	0 0 6½	S. Cohen Sons & Co. Pty. Ltd.
770	" Iron, tinned, any sizes ordered "Nettlefold's"	Aust.	8,000 lb.	lb.	0 0 8½	E. Duckett & Sons
*771	Rods, Tie, Mild Steel, 9' x $\frac{3}{4}$ " threaded back 7" one end, 3" the other, fitted with one hexagon nut one end and 2 hexagon nuts and 3/2½ x 2½ flat washers the other end	"	3,000	each	0 2 8	McPherson's Pty. Ltd.
*772	Shoes, Pile	"	200	do.	0 8 6	G. F. Sewell Pty. Ltd.
773	Spikes, round, chisel, or diamond pointed, as ordered, any sizes ordered delivered f.o.r. Brooklyn	"	800 cwt.	cwt.	1 4 0	Victoria Iron Rolling Co. Pty. Ltd.
774	" " drift; any sizes ordered ..	"	300 "	do.	1 0 0	G. F. Sewell Pty. Ltd.
775 to 780	Nil.					

FOUNDRY MATERIAL.

†781	Blacking, Moulders' Crucibles, Plumbago—	Aust.	140 cwt.	cwt.	0 9 6	Proud Bros. Pty. Ltd.
†782	No. 20, "Morgans"	U.K.	100	each	0 13 9	Felton Grimwade & Co. Pty. Ltd.
†783	No. 25, "	"	100	do.	0 17 4	
†784	No. 40, "	"	6	do.	1 7 9	H. B. Selby & Co.
†785	No. 50, "	"	6	do.	1 15 5	
†786	No. 66D (for smelting steel) "Morgan's" ..	"	380	do.	1 18 0	H. B. Selby & Co.
†787	Crucibles, T.P. 191—Drawing No. 2639/15 (for "Morgan's" Tilting-Furnace)	U.K.	12	do.	6 0 0	
†788	Crucibles for metal, No. 60, for holding 120 lb.	"	5	do.	..	Nil
789	Pedestals for Crucibles (Item No. 787), "Morgan Crucible Co."	U.K.	30	do.	1 5 0	H. B. Selby & Co.
†790	Facing, white	Aust.	15 tons	cwt.	0 9 9	Proud Bros. Pty. Ltd.
791	Ferro Silicon, 75 per cent.	Norway	10 "	ton	29 0 0	McPherson's Pty. Ltd.
†792	Graphite, Pure Flake, in 5-lb. tins, "Foliac" ..	U.K.	200 lb.	lb.	0 1 9	
793	" " "Foliac" Pipe Joint (in lieu of Dixon's Compound)	"	2,000 "	do.	0 1 7	
†794	Plumbago, Coarse	Aust.	180 cwt.	cwt.	0 18 5	Neptune Oil Co. Ltd.
†795	" Fine	"	170 "	do.	1 3 3	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
FOUNDRY MATERIAL—continued.								
796	"Smooth On" Yellow Label, No. 4, in 5-lb. tins, No. 4B	U.S.A.	50 lb.	lb.	0	1	3	McPherson's Pty. Ltd.
†797	Wash, Core .. .. .	..	60 cwt.	cwt.	..			Nil
†798	Wire Wax, 2, 4, 6, or 8 millimetres, as ordered	..	100 lb.	lb.	..			
799	} Nil							
to								
800								

PLATERS' MATERIAL.

Name of Manufacturer—
 Items Nos. 801-808, 812, 814-819, 821-823 and 827.—W. Canning & Co.
 Items 824-826.—J. Oakley.

Anodes, Cast Nickel, 99 per cent.—								
801	18"	U.K.	120 lb.	lb.	0	2	5½	} A. G. Healing Ltd.
801A	20"	"	240 "	do.	0	2	5½	
801B	24"	"	120 "	do.	0	2	5½	
Anodes, Rolled Nickel, 99 per cent.—								
802	18"	"	25 "	do.	0	2	6¼	} A. G. Healing Ltd.
802A	20"	"	50 "	do.	0	2	6¼	
802B	24"	"	25 "	do.	0	2	6¼	
*803	Brushes, Scratch, 553p	"	50	each	0	4	3	} A. G. Healing Ltd.
*804	" Steel Wire Circular, S.318	"	18	do.	0	5	6	
†805	Compo, White "Peerless," in 2-lb. tins	"	670 lb.	lb.	0	0	9½	
†806	Crocus, Compo, No. 2	"	36 "	do.	0	0	6	
*807	Felt Bobs, 1½" thick, 6" diameter	"	24 "	do.	0	8	3	
*808	" 1½" thick, 9" diameter	"	24 "	do.	0	8	3	
†809	Lacquer, Colourless, Celluloid, Helios, in 1-quart tins	U.S.A.	2 galls.	gallon	2	2	6	
†810	" Thinner, in 1-gallon tins	"	16 "	do.	1	8	6	} Nil
†811	" Deep Gold, "Berger's," or suitable alternative .. .. .	..	5 "	do.	..		
812	Mops, Calico, Grey, 9" x 50B	U.K.	240	each	0	4	3	A. G. Healing Ltd.
†813	" " White, 12" x 140H	"	160	do.	0	12	9	McPherson's Pty. Ltd.
†814	" " " 9" x 100H	"	6	do.	0	5	9	} A. G. Healing Ltd.
†815	" " " 6" x 100H	"	24	do.	0	3	0	
*816	" Potash (see Item 823)	"	12	do.	..			Nil
*817	" Swansdown, 6" x 24	U.K.	5	do.	0	3	0	} Nil
*818	" " 9" x 24	"	10	do.	0	5	6	
†819	" Grey, 6" x 50B	"	100	do.	0	2	0	
820	Potassium, Cyanide, 100 per cent., in 1-cwt. cases	"	672 lb.	lb.	0	1	3½	} A. G. Healing Ltd.
†821	Rouge, Compo, AZ	"	28 "	do.	0	3	0	
†822	Salts, Nickel, best, special double	"	112 "	do.	0	0	6½	
*823	Swabs, Potash	"	5	each	0	1	3	
824	Tape, Emery, ½", in pieces of 36 yards each	"	32 pieces	doz.	0	2	9	
*825	" " 1", in pieces of 36 yards each	"	13 "	do.	0	4	6	
826	" " 1½", in pieces of 36 yards each	"	5 "	do.	0	6	3	
†827	Tripoli, Compo, Lustre	"	3,000 lb.	lb.	0	0	5½	McPherson's Pty. Ltd.
828	} Nil.							
to								
830								

PLUMBERS' GOODS AND SEWERAGE MATERIALS, ETC.

The Stores supplied under items marked (M) shall be tested by the Melbourne and Metropolitan Board of Works, and shall bear that Board's test marks before delivery. Items marked (BE) shall be tested by the Bendigo Sewerage Authority, and shall bear that Authority's test marks before delivery. Items marked (BA) shall be tested by the Ballarat Sewerage Authority, and shall bear that Authority's test marks before delivery.

As regards Sewerage Materials, the Stores supplied under items other than those marked (M), (BE), and (BA) shall be as approved by the Melbourne and Metropolitan Board of Works, Bendigo Sewerage Authority, and Ballarat Sewerage Authority respectively.

As regards items marked (BA) and (BE), provisional delivery will be accepted at Spencer-street Railway Station, or at railway stations or District Engineer's Storehouse at Ballarat or Bendigo respectively.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	

PLUMBERS' GOODS AND SEWERAGE MATERIAL, ETC.—continued.

The Water Meters shall be to the standard of the Melbourne and Metropolitan Board of Works, whose test certificate shall accompany each Meter when delivered.

SPECIFICATION FOR ITEM 878.—Urinals and Channels.—The urinals are to be 2 feet wide, 12 inches deep, and 3 ft. 10½ in. high, with bottoms rebated for channels. The channel blocks are to be 2 feet long, 6 inches wide, and 3 inches deep, with 4-in. channels, graded to outlets where required. The outlets, 2½-in. diameter, are to be rebated for 3¼-in. diameter gratings. The ends of channels are to be stopped where required.

The urinals and channels are to be of the best quality salt-glazed stoneware, all joints are to be ground or chipped and carefully fitted so that when erected in position they will not show in any place a thickness of joint more than ⅜ inch.

The urinals or channel blocks showing imperfection of glaze, splits, rough spots, or projections rising above the general surface of the glaze will be rejected.

Inspection and Delivery.—The urinals and channels shall be set up by and at the cost of the Contractor for inspection at the works of the manufacturer, and after being inspected to the satisfaction of the Superintending Officer, they are to be properly loaded into railway trucks by and at the cost of the Contractor and consigned as ordered.

SPECIFICATION FOR ITEM 877.—Trough Lavatories.—The troughs are to be of strong cast-iron, porcelain enamelled inside and painted white outside, approximately semi-circular in section and about 16 inches wide over all. The castings are to be of convenient lengths with approved joints, so that when bolted together they shall be true and watertight. Strong wrought-iron brackets are to be supplied with the troughs, one at each joint and one at each end. Bolts and screws are to be supplied, and all necessary fittings for the proper fixing of the trough lavatories. Outlets, 2-in. diameter, with gratings are to be provided when required.

The taps and sprayers are to be nickelplated and as follows:—½-in. high-pressure brass stop-cocks threaded for iron piping, and fitted with ½-in. diameter slightly-bent tubes fitted with fine roses, the tubes and roses to be about 4 inches in length over all.

As regards the contract with G. F. Sewell Pty. Ltd., in the event of there being any decrease in the working hours due to Arbitration Court Awards or any increase or decrease in the price of Broken Hill Pty. Coy's. material during the currency of the contract, the rates shall be subject to adjustment by mutual arrangement between the Chief Storekeeper and the Contractor.

As regards Item No. 856.—Orders should be issued as far as possible in minimum lots of 12 No.

The rate for this item is for delivery f.o.r. Ballarat and the material will be consigned to the Metropolitan Receiving Depot. On receipt the Cisterns will be handed over to the Contractor's Representative, who will submit same to the M.M.B.W. for test. After being passed they shall be re-delivered to the Receiving Depot and only those re-delivered and branded (M), shall be accepted and paid for. Any cisterns not re-delivered or rejected shall be liable for railway freight.

The same conditions apply to Item No. 857—at Bendigo—

PLUMBERS' GOODS.							
831	Balls, Fire Plug, Ebonite	.. ..	Aust.	52	each	0 2 9½	Dunlop Rubber Co. of Aust. Ltd.
†832	Bitumen Jointing	.. ..	"	3,000 lb.	lb.	0 0 1½	Currie & Richards Pty. Ltd.
	Clips, Bracket, Nickel Silver, with 1½" shanks to fit—						
†833	¾" copper pipe	.. ..	"	36	dozen	0 18 0	} J. Danks & Son Pty. Ltd.
†834	1" copper pipe	.. ..	"	36	do.	1 2 0	
†835	1½" copper pipe	"	36	do.	1 9 6		Domestic Engineers & Plumbers Supplies Co. Pty. Ltd.
†836	½" galvanized wrought-iron pipe	.. ..	"	36	do.	1 2 0	} J. Danks & Son Pty. Ltd.
†837	¾" galvanized wrought-iron pipe	.. ..	"	36	do.	1 5 6	
*838	Gates (Taps), Treacle, C.I., japanned, Standard Gas Thread		U.S.A.	100	each	0 4 6	
	Meters, Water, Gunmetal Cases—						
839	(M) ½"	.. ..	Aust.	12	each	3 18 0	} Wm. McLean & Co.
840	(M) ¾"	.. ..	"	24	do.	3 18 0	
841	(M) 1"	"	14	do.	5 17 0		Davies Shephard Pty. Ltd.
842	(M) 1½"	.. ..	"	2	do.	7 18 3	J. Danks & Son Pty. Ltd.
843	(M) 1¾"	.. ..	"	2	do.	9 4 6	Davies Shephard Pty. Ltd.
844	(M) 2"	.. ..	"	5	do.	17 10 6	J. Danks & Son Pty. Ltd.
845	(M) 3"	.. ..	"	6	do.	28 0 0	Davies Shephard Pty. Ltd.
846	(M) 4"	.. ..	"	2	do.	37 17 6	J. Danks & Son Pty. Ltd.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
PLUMBERS' GOODS AND SEWERAGE MATERIALS ETC.—continued.						
PLUMBERS' GOODS—continued.						
†847	Tape, Meter, $\frac{3}{8}$ " wide	U.K.	238 yds.	dozen yards	0 3 4	Davies Shephard Ptd. Ltd.
848	Paste, Soldering, "Fluxite," in 3-oz. tins ..	"	300 tins	tin	0 0 7 $\frac{1}{2}$	James Walker
849	" " " " in 1-lb. tins ..	"	550 "	do.	0 2 5 $\frac{1}{2}$	E. Duckett & Sons
850	Rivets, Iron, Galvanized, any sizes ordered	"	300 lb.	lb.	0 0 6	S. Cohen Sons & Co. Pty. Ltd.
SEWERAGE MATERIALS.						
LAVATORY BASINS, CISTERNS, ETC.						
851	Basins, Lavatory, Earthenware, flat back, 22" x 16", including nickelplated tap, 1 $\frac{1}{4}$ " plug and washer (M), wrought-iron brackets, and one china button for taphole	U.K. and Aust.	10	each	2 2 6	Domestic Engineers & Plumbers Supplies Co. Pty. Ltd.
852	Basins, Lavatory, Earthenware, angle, 21" x 21", including nickelplated tap, 1 $\frac{1}{4}$ " Plug and washer (M), wrought-iron brackets, and one china button for taphole	U.K.		do.	2 3 6		E.G.A. Coy.
853	Basins, Lavatory, Cast Iron, porcelain enamelled, flat back, including nickel-plated tap, 1 $\frac{1}{4}$ " plug and washer (M) and wrought-iron brackets, 22" x 16", and one china button for taphole	Aust.	100	each	2 9 6	Shanks & Co. Pty. Ltd.
854	Basins, Lavatory, Cast Iron, porcelain enamelled, 14" inside measurements, with patent overflow, plug and washer	"	10	do.	1 1 0	
855	Basins, Lavatory, Cast Iron, porcelain enamelled, angle, including nickelplated tap, 1 $\frac{1}{4}$ " plug and washer (M) and wrought-iron brackets, 25" x 20", including 1 No. china button for taphole	"	20	do.	2 8 0		Currie & Richards Pty. Ltd.
856	(M) Cisterns, Cast Iron, glass enamelled, 3-gallon, with cover, high or low pressure ball cock (M), as ordered, delivered F.O.R.	"	400	do.	1 18 0	S. K. McIver
857	(BE) Cisterns, Cast Iron, glass enamelled, 2-gallon, with cover, high or low pressure ball cock, as ordered, delivered F.O.R.	"	50	do.	1 19 0	
858	(BA) Cisterns, Cast Iron, glass enamelled, 3-gallon, with cover, high or low pressure ball cock, as ordered, delivered F.O.R.	"	8	do.	1 19 0	
859	(M) Pans, Closet, Pedestal, Class 4, P. trap ..	"	6	do.	1 6 0	Hoffman Brick & Pot-teries Ltd.
860	(BE) Pans, Closet, Pedestal, strong cane and white, P. or S. traps, as ordered, vented, and left or right hand, as ordered, delivered F.O.R. Bendigo	"	40	do.	1 10 0	G. D. Guthrie & Co. Pty. Ltd.
861	(BE) Pans, Closet, Pedestal, strong cane and white, P. or S. traps, as ordered, unvented, left or right hand, as ordered	"		do.	1 6 3	E.G.A. Coy.
862	(BA) Pans, Closet, Pedestal, strong cane and white, P. or S. traps, as ordered, vented, and left or right hand, as ordered, delivered F.O.R. Ballarat	Aust.	15	each	1 9 9	Hoffman Brick & Pot-teries Ltd.
863	(BA) Pans, Closet, Pedestal, strong cane and white, P. or S. traps, as ordered, unvented, and left or right hand, as ordered, delivered F.O.R. Ballarat			do.	1 9 9	
864	(M) Pans, Closet, Pedestal, Class 4, S. trap, vented, and right or left hand, as ordered	"	150	do.	1 6 0	
865	(M) Pans, Closet, Pedestal, Class 4, S. trap, unvented, and right or left hand, as ordered	"		do.	1 6 0	
*866	Pans, Closet, Earthenware, for cars ..	"	150	do.	2 0 0	
867	" Lavatory, Earthenware, to Drawing 4072B	"	100	do.	2 10 0	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	

PLUMBERS' GOODS AND SEWERAGE MATERIALS, ETC.—continued.

SEWERAGE MATERIALS—continued.

LAVATORY BASINS, CISTERNS, ETC.—continued.

	Sinks, Cast Iron, porcelain enamelled, with "M" plugs and washers—					
868	14" x 12" x 6"	Aust.	} 6,000 in.	each	0 19 9	} Shanks & Co. Pty. Ltd.
869	17" x 12" x 6"	"		do.	1 0 9	
870	20" x 12" x 6"	"		do.	1 3 6	
871	15" x 14" x 7"	"		do.	1 1 0	
872	18" x 14" x 7"	"		do.	1 2 0	
873	21" x 14" x 7"	"		do.	1 5 0	
874	24" x 14" x 7"	"		do.	1 9 6	
875	27" x 14" x 7"	"		do.	1 12 0	
876	30" x 14" x 7"	"	do.	1 15 0		
877	(M) Trough Lavatories, C.I., porcelain enamelled, with nickelplated taps and sprays, taps to have $\frac{3}{8}$ " set screws for keeping spray in position, complete with N.P. waste fitting, W.I. brackets and jointing material, any length of trough ordered	"	100 feet	foot	1 8 6	} Hoffman Brick & Pot-teries Ltd.
878	Urinals and Channels, salt-glazed, any number of stalls ordered, delivered F.O.R. South Brunswick	"	300 stalls	stall	5 15 0	
*879	Seats, Closet, glazed fireclay, to Drawing No. 1423/11	"	12	each	4 0 0	
*880	Crocks, Urinal, salt-glazed, vitrified stone-ware, E.W. angle, brown	"	5	do.	0 7 6	
	VARIOUS.					
	Valves, Sluice—					
881	3"	"	38	do.	2 16 0	} G. F. Sewell Pty. Ltd.
882	4"	"	50	do.	3 5 0	
883	5"	"	8	do.	5 4 0	} Orton & Burns
884	6"	"	34	do.	6 0 0	
885	9"	"	4	do.	12 10 0	} G. F. Sewell Pty. Ltd.
	Valves, Retention, Spigot and Faucet ends, and to the M.M.B.W. standard—					
886	3"	"	6	do.	3 10 0	} J. Danks & Sons. Pty. Ltd.
887	4"	"	6	do.	4 5 0	
888	5"	"	2	do.	6 5 0	
889	6"	"	4	do.	7 10 0	
890	9"	"	2	do.	..	} Nil
891 to 896	Nil.					

PLUMBERS' GOODS (GALVANIZED IRONWARE).

The Stores supplied under items marked (M) shall be tested by the Melbourne and Metropolitan Board of Works, and shall bear that Board's test marks before delivery. Items marked (BE) shall be tested by the Bendigo Sewerage Authority, and shall bear that Authority's test marks before delivery. Items marked (BA) shall be tested by the Ballarat Sewerage Authority, and shall bear that Authority's test marks before delivery.

As regards Sewerage Materials, the Stores supplied under items other than those marked (M) (BE), and (BA) shall be as approved by the Melbourne and Metropolitan Board of Works, Bendigo Sewerage Authority, and Ballarat Sewerage Authority respectively.

As regards items marked (BA) and (BE), provisional delivery will be accepted at Spencer-street Railway Station, or at the railway station or District Engineer's Storehouse at Ballarat or Bendigo respectively.

897	Bolts and Nuts, Galvanized, $\frac{1}{4}$ " up to 1" in length, as ordered, any diameter ordered, cut	U.K.	} 400 gross	gross	0 4 0	} Kemp & Sheehan Pty. Ltd.
897A	Bolts and Nuts, Galvanized, $\frac{1}{4}$ " up to 1" in length, as ordered, any diameter ordered, rolled	U.S.A.		do.	0 2 9		} James Walker

Item No.	Description.	Country of Manufacture.	Estimated Requirements,	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
PLUMBERS' GOODS (GALVANIZED IRONWARE)—continued.								
898	Bolts and Nuts, Galvanized, over 1" up to 2" in length, as ordered, any diameter ordered,	U.K.	800 gross	gross	0	5	6	Currie & Richards Pty. Ltd.
898A	Bolts and Nuts, Galvanized, over 1" up to 2" in length, as ordered, any diameter ordered, cut	U.S.A.		do.	0	4	0	E. Duckett & Sons
899	Clips, Hose, 3/4"	"	2,000	each	0	0	1 1/2	McPherson's Pty. Ltd.
900	Clips, Pipe, Beaded, Galvanized— 1/4" or 3/8", as ordered	U.K.	10 doz.	dozen	0	0	5	J. Danks & Son Pty. Ltd.
901	1/2" or 3/4", as ordered	Aust.	150 "	do.	0	0	4	W. E. Cash
902	1"	"	18 "	do.	0	0	9	Kemp & Sheehan Pty. Ltd.
903	Clips, Vent— (M) 1 1/2"	"	380	each	0	0	1	J. Danks & Son Pty Ltd.
904	(BE) 1 1/2"	"	100	do.	0	0	1 1/4	
905	(M) 2"	"	25	do.	0	0	1 1/4	
906	(BE) 2"	"	12	do.	0	0	2	
907	(M) 3"	"	25	do.	0	0	2	
908	(BE) 3"	"	12	do.	0	0	2 1/2	
909	(M) 4"	"	24	do.	0	0	3	
910	(BE) 4"	"	48	do.	0	0	3 1/2	
911	Cowls, Educt— 4", 22 gauge	"	170	do.	0	2	6	Titan Manufacturing Co. Pty. Ltd.
912	6", 22 gauge	"		do.	0	10	6	W. E. Cash
913	Down-pipe, Galvanized Iron, 24 gauge, in 6' lengths— 2"	"	1,500 lengths	length	0	1	4 3/4	Currie & Richards Pty. Ltd.
914	2 1/2"	"	2,200 "	do.	0	1	7 1/4	
915	3"	"	3,000 "	do.	0	1	9 1/2	
916	4"	"	900 "	do.	0	2	3	Currie and Richards Pty Ltd.
917	Hooks, Pipe, Galvanized— 1/2"	U.K.	120 dozen	dozen	0	0	8	J. Danks & Son Pty. Ltd.
918	3/4"	"		do.	0	0	10	
919	1"	"	do.	0	1	0		
920	1 1/2"	"	do.	0	1	4		
921	1 3/4"	"	72 "	do.	0	1	6	
922	2"	"	do.	0	2	1		
923	(M) Offsets, 20 G., 4", with 4" to 6" projections, as ordered	Aust.	6	each	0	7	0	
924	Pipes, Flush, any projections ordered— (M) 1 1/2"	"	220	do.	0	4	9	Kemp & Sheehan Pty. Ltd.
925	(BE) 1 1/2"	"	20	do.	0	4	9	
926	(BA) 1 1/2"	"	15	do.	0	4	9	
927	Pipe, Vent, in 6' lengths— (M) 4" x 20 G.	Aust.	650 lgths.	length	0	7	9	W. E. Cash
928	(BE) 4" x 20 G.	"	140 "	do.	0	7	9	
929	(BA) 4" x 20 G.	"	25 "	do.	0	7	9	
930	(M) 3" x 20 G.	"	140 "	do.	0	6	3	
931	(BE) 3" x 20 G.	"	5 "	do.	0	6	6	Titan Manufacturing Co. Pty. Ltd.
932	(BA) 3" x 20 G.	"	5 "	do.	0	6	6	
933	Ridging, Galvanized, in 6' lengths, 18"— 26 gauge	"	360 "	do.	0	2	1	Workshops Manager, Arden-street
934	24 gauge	"	4,000 "	do.	0	2	9 1/2	
935	Screws, Galvanized, cone head, any sizes ordered	"	40 cwt.	cwt.	4	6	0	J. Danks & Son Pty. Ltd.
936	Spelter— No. 1	U.K.	5 "	do.	5	0	0	Currie & Richards Pty. Ltd.
937	No. 2	"	52 "	do.	5	0	0	
938	No. 3	"	36 "	do.	5	0	0	
939	No. 4	"	1 "	do.	5	0	0	
940	No. 5	"	1 "	do.	5	0	0	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
PLUMBERS' GOODS (GALVANIZED IRONWARE)—continued.								
941	Spikes and Tubes, Galvanized, for Spouting—	Aust.	1,200 doz.	dozen	0	0	9	S. Cohen Sons & Co. Pty. Ltd.
942	6"			do.	0	0	9½	
Spouting, Galvanized, 24 gauge, O.G., in 6' lengths—								
943	4"	"	4,000 lgths.	length	0	1	7	Workshops Manager. Arden-street
944	4½"			do.	0	1	9½	
945	5"			do.	0	1	10½	
Strainers, Sheet Iron—								
946	(M) 1½"	"	130	each	0	0	6	W. E. Cash
947	(M) 2"		5	do.	0	0	6	
948	(M) 3"		160	do.	0	0	10	
949	(M) 4"		34	do.	0	1	6	
950	Washers, Cut Iron, Galvanized, any sizes ordered	U.K.	80 cwt.	cwt.	2	17	6	E. Duckett & Sons
951 to 954	Nil							

PLUMBERS' MATERIAL (CAST IRON AND LEADWARE).

Items marked (Bs) shall be tested by the Bendigo Sewerage Authority, and shall bear that Authority's test marks before delivery. Items marked (BA) shall be tested by the Ballarat Sewerage Authority, and shall bear that Authority's test marks before delivery.

As regards Sewerage Materials, the stores supplied under items other than those marked (Bs), (BA) shall be as approved by Bendigo Sewerage Authority, Ballarat Sewerage Authority, and Melbourne and Metropolitan Board of Works respectively.

As regards items marked (BA) and (Bā), provisional delivery will be accepted at Spencer-street Railway Station, or at the Railway Stations or District Engineer's Storehouse at Ballarat or Bendigo respectively.

CAST IRONWARE.								
Bends, Soil Pipe, ⅝" Metal, any angles ordered—								
955	3"	Aust.	20	each	0	5	9	J. & T. Muir Pty. Ltd.
956	4"	"	100	do.	0	8	3	
Branches, Soil Pipe, ⅝" Metal, looking up or down, any angles ordered—								
957	3" x 2" (spigot ends to be 10" longer than standard size)	Aust.	6	do.	0	9	0	J. Danks & Son Pty. Ltd.
958	3" x 3"	"	2	do.	0	6	9	J. & T. Muir Pty Ltd.
959	4" x 2"	"	4	do.	0	10	6	
960	4" x 3"	"	10	do.	0	10	6	
961	4" x 4"	"	24	do.	0	10	6	
962	Cocks, 3" Fullway, H.P., Brass Gate Valves	"	4	do.	2	0	0	J. Danks & Son Pty. Ltd.
963	Covers, Boundary Top, No. 197	"	20	do.	0	3	3	Wm. Adams & Co. Ltd.
964	" " " " No. 198	"	2	do.	0	8	6	J. Danks & Son Pty. Ltd.
965	Fittings, No. 215, with straight or oval branch, as ordered	"	10	do.	0	10	0	
Gratings, Galvanized—								
966	No. 24A	"	140	do.	0	0	9	J. & T. Muir Pty. Ltd.
967	No. 61	"	260	do.	0	1	0	
968	For Floor Traps	"	10	do.	0	0	9	
969	Inlets, Level, 2" out of 4" to 4" out of 4", as ordered	"	150	do.	0	12	0	
970	Inlets, Double, Level, 2" out of 4" to 4" out of 4", as ordered	"		do.	0	15	0	
Pieces, Extension, Closet—								
971	4" diameter x 6"	"	400 ins.	do.	0	3	9	J. & T. Muir Pty. Ltd.
972	4" diameter x 9"	"		do.	0	4	6	
973	4" diameter x 12"	"		do.	0	5	0	
974	4" diameter x 15"	"		do.	0	5	6	
975	4" diameter x 18"	"		do.	0	6	0	
976	4" diameter x 24"	"		do.	0	7	6	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
PLUMBERS' MATERIAL (CAST IRON AND LEADWARE)—continued.						
	Pieces, Extension—					
977	4" diameter x 6"	Aust.	600 ins.	each	0 3 9	J. & T. Muir Pty. Ltd.
978	4" diameter x 9"	"		do.	0 4 6	
979	4" diameter x 12"	"		do.	0 5 0	
980	4" diameter x 15"	"		do.	0 5 6	
981	4" diameter x 18"	"		do.	0 6 0	
982	4" diameter x 24"	"		do.	0 7 6	
983	6" diameter x 6"	"	24 "	do.	0 6 0	J. Danks & Son Pty. Ltd.
984	6" diameter x 9"	"		do.	0 7 0	
985	6" diameter x 12"	"		do.	0 7 6	
986	6" diameter x 15"	"		do.	0 9 0	
987	6" diameter x 18"	"		do.	0 10 6	
988	6" diameter x 24"	"		do.	0 12 0	
	Pipe, Soil, $\frac{1}{8}$ " Metal—					
989	3" x 3' lengths	"	44 lengths	length	0 10 6	J. & T. Muir Pty. Ltd.
990	3" x 6' lengths	"	36 "	do.	0 12 6	
991	4" x 3' lengths	"	24 "	do.	0 12 3	
992	4" x 6' lengths	"	24 "	do.	0 18 6	
993	4" x 9' lengths	"	80 "	do.	1 6 0	
994	4" x 3' lengths, with inspection opening	"	45 "	do.	0 15 9	
995	Sockets, 3" diameter	"	6	each	0 2 6	J. & T. Muir Pty. Ltd.
996	" 4" diameter	"	80	do.	0 3 0	
997	Tops, Adjustable, 2" out of 4" to 4" out of 4", as ordered	"	70	do.	0 9 0	J. & T. Muir Pty. Ltd.
998	" " with oval branch vertical or horizontal, as required	"		do.	0 9 0	
999	" Gully, square, No. 24A	"	50	do.	0 11 6	J. Danks & Son Pty. Ltd.
1000	Traps, Disconnector, No. 23	"	14	do.	0 11 0	
1001	" Floor, 2", with grating, for cast pipe	"	2	do.	0 11 6	
1002	" " " " wrought pipe	"	10	do.	0 13 6	
1003	" Gully, No. 24	"	10	do.	0 15 0	J. & T. Muir Pty. Ltd.
1004	" Silt, 6", with 4" outlet, with bucket and round or square grating (light), as ordered	"	56	do.	1 16 0	
1005	" Urinal, 3", with spigot ends	"	30	do.	0 17 6	
LEADWARE, ETC.						
1006	Cones, No. 8	"	450	dozen	0 0 3½	J. Danks & Son Pty. Ltd.
1007	" No. 10	"	10	do.	0 0 6	
1008	Pipe, Lead, any sizes ordered	"	100 cwt.	cwt.	2 0 0	
1009	(B) " " " "	"	10 "	do.	2 2 0	
1010	(BA) " " " "	"	10 "	do.	2 2 0	
1011	Pipe Lead, Tin lined, heavy beer, any sizes ordered	"	2 "	do.	4 18 0	
	Traps, solid drawn, with wiped trap screws—					
1012	P., 1¼"	"	190	each	0 3 7	J. Danks & Son Pty. Ltd.
1013	(BA) P., 1¼"	"	15	do.	0 3 7	
1014	P., 1½"	"	4	do.	0 4 1	
1015	P., 2"	"	150	do.	0 5 1	
1016	(BA) P., 2"	"	6	do.	0 5 1	
1017	S., 1¼"	"	2	do.	0 3 9	
1018	S., 1½"	"	5	do.	0 5 3	
1019	S., 2"	"	6	do.	0 6 6	
1020 to 1023	Nil.					

PLUMBERS' GOODS (BRASSWARE).

The Stores supplied under items marked (M) shall be tested by the Melbourne and Metropolitan Board of Works, and shall bear that Board's test marks before delivery. Items marked (B) shall be tested by the Bendigo Sewerage Authority, and shall bear that Authority's test marks before delivery. Items marked (BA) shall be tested by the Ballarat Sewerage Authority, and shall bear that Authority's test marks before delivery.

As regards Sewerage Materials, the Stores supplied under items other than those marked (M), (B), and (BA) shall be as approved by the Melbourne and Metropolitan Board of Works, Bendigo Sewerage Authority, and Ballarat Sewerage Authority respectively.

As regards items marked (BA) and (B), provisional delivery will be accepted at Spencer-street Railway Station, or at the railway station or District Engineer's Storehouse at Ballarat or Bendigo respectively. M.B. John—delivery at Ballarat and Bendigo BA and B respectively.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
PLUMBERS' GOODS (BRASSWARE)— <i>continued.</i>						
Brassware—						
Bends, plain, any angles ordered—						
1024	(M) 1½"	Aust.	50	each	0 2 0	J. Danks & Son Pty. Ltd.
1025	(M) 1½"	"	40	do.	0 2 3	
1026	(M) 2"	"	30	do.	0 2 8	
Bends, with inspection opening, any angles ordered—						
1027	(M) 1½"	"	200	do.	0 2 3	J. G. Black Pty. Ltd.
1028	(BE) 1½"	"	30	do.	0 2 6	Galliers & Klaerr Pty. Ltd.
1029	(BA) 1½"	"	12	do.	0 2 4	M. B. John Pty. Ltd.
1030	(M) 1½"	"	10	do.	0 2 9	J. G. Black Pty. Ltd.
1031	(BE) 1½"	"	40	do.	0 3 1½	Galliers & Klaerr Pty. Ltd.
1032	(BA) 1½"	"	20	do.	0 3 3	M. B. John Pty. Ltd.
1033	(M) 2"	"	200	do.	0 3 6	J. G. Black Pty. Ltd.
1034	(BE) 2"	"	32	do.	0 3 7½	Galliers & Klaerr Pty. Ltd.
1035	(BA) 2"	"	6	do.	0 3 6	M. B. John Pty. Ltd.
Bushes—						
1036	½" x ¾", gas threads	"	10	do.	0 0 3½	J. Danks & Son Pty. Ltd.
1037	¾" x 1", gas threads	"	36	do.	0 0 7	
1038	1" x 1¼", gas threads	"	5	do.	0 1 2	
1039	1½" x 1½", gas threads	"	40	do.	0 1 4	
1040	1½" x 2", gas threads	"	5	do.	0 2 10	
*1041	1" x ¾", brass threads	"	40	do.	0 0 11	
Caps and Linings—						
1042	(M) 1½"	"	100	do.	0 1 6	Galliers & Klaerr Pty. Ltd.
1043	(BE) 1½"	"	12	do.	0 1 6	
1044	(BA) 1½"	"	8	do.	0 1 6	
1045	(M) 1½"	"	5	do.	0 1 7	
1046	(BE) 1½"	"	4	do.	0 1 7	
1047	(BA) 1½"	"	5	do.	0 1 7	
1048	(M) 2"	"	200	do.	0 1 10	
1049	(BE) 2"	"	40	do.	0 1 10	
1050	(BA) 2"	"	6	do.	0 1 10	
1051	(M) 3"	"	6	do.	0 7 6	
1052	(M) Cocks, Ball, Automatic, ½"	"	36	do.	0 14 6	J. Danks & Son Pty. Ltd. Shanks & Co. Pty. Ltd.
Cocks, Ball, high or low pressure, as ordered—						
*1053	(M) ½", long levers, for cisterns	"	300	do.	0 5 0	Shanks & Co. Pty. Ltd.
*1054	(M) ¾", standard tested	"	100	do.	0 7 6	J. Danks & Son Pty. Ltd.
*1055	(M) 1", Croydon	"	2	do.	0 8 9	Ltd.
Cocks, Ball—						
†1056	(M) ½", standard tested	"	5	do.	0 5 3	Shanks & Co. Pty. Ltd.
1057	¾", Croydon 154	"	2	do.	0 6 9	J. Danks & Son Pty. Ltd.
†1058	1", Croydon 154	"	5	do.	0 8 6	
1059	1½", Croydon 154	"	5	do.	1 5 0	
1060	(M) 1½", Lambert's pattern	"	4	do.	1 2 6	
1061	(M) 1½", Lambert's pattern	"	5	do.	1 10 0	
1062	(M) 2", Lambert's pattern	"	10	do.	1 19 0	
1063	(M) 3", Lambert's pattern	"	8	do.	3 10 0	
1064	(M) Cocks, Bib, Gully, H.P., ½"	"	4	do.	0 3 2	
Cocks, Range, with brass keys and nuts—						
1065	½" with loose brass levers and lock-nuts	"	300	do.	0 2 6	Wm. Adams & Co. Ltd.
1066	¾"	"	900	dozen	1 13 0	McPherson's Pty. Ltd.
1067	1"	"	12	do.	2 5 0	
Cocks, Mill, Brass—						
1068	(M) "A" design to Litho. No. L.884/11	"	20	each	3 4 0	Davies, Shephard Pty. Ltd.
1069	(M) "B" design to Blue Print No. 1090/08	"	25	do.	3 4 0	
1070	(M) "C" design to Blue Print No. 1090/08	"	80	do.	3 4 0	
Cocks, Ferruled, Stop, for Lead or Iron, as ordered—						
1071	(M) ½", tested	"	20	dozen	2 7 6	McPherson's Pty. Ltd.
*1072	¾", medium	"	20	each	0 4 2	J. Danks & Son Pty. Ltd.
1073	(M) ¾"	"	60	dozen	3 7 6	McPherson's Pty. Ltd.
*1074	¾", medium	"	8	each	0 5 0	J. Danks & Son Pty. Ltd.
1075	(M) 1"	"	30	dozen	5 10 0	McPherson's Pty. Ltd.
1076	(M) Over 1", as ordered	"	50 lbs.	lb.	0 3 1	J. Danks & Son Pty. Ltd.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.	
					£ s. d.		
PLUMBERS' GOODS (BRASSWARE)—continued.							
	Cocks, Fullway, H. P.—						
1077	(M) ½" Gate Valves	Aust.	160	each	0 4 0	} M. B. John Pty. Ltd.	
1078	(M) ¾" Gate Valves	"	36	do.	0 5 5		
1079	(M) 1" Gate Valves	"	180	do.	0 7 6		
1080	(M) 1½" Gate Valves	"	70	do.	0 10 0		
1081	(BE) 1½" Gate Valves	"	5	do.	0 10 0		
1082	(BA) 1½" Gate Valves	"	5	do.	0 10 0		
1083	(M) 1½" Gate Valves	"	25	do.	0 12 9		
1084	(M) 2"	"	35	do.	0 16 6		
1085	(M) Cocks, Spring, ¾", Rib or Right Angle, as ordered	"	30	do.	0 7 0	} J. Danks & Son Pty. Ltd.	
	Cocks, Stop, with Unions, H.P.—						
1086	(M) ½"	"	650	do.	0 3 10		
1087	(BE) ½"	"	80	do.	0 3 10	} Galliers & Klaerr Pty. Ltd.	
1088	(BA) ½"	"	25	do.	0 3 10		
1089	(M) Cocks, Toilet, Nickelplated, H.P., ½" Cocks, Bib or Stop, Nickelplated, H.P., labelled Hot or Cold, as ordered, for Iron—	"	60	do.	0 6 3		
1090	(M) ¾"	"	40	dozen	2 14 0	} McPherson's Pty. Ltd.	
1091	(M) 1"	"	15	do.	3 18 0		
	Cocks, Water, H.P., Bib or Stop, for Lead or Iron, as ordered—						
1092	(M) ½"	"	500	each	0 2 3	} Galliers & Klaerr Pty. Ltd.	
1093	(BE) ½"	"	25	do.	0 2 3		
1094	(BA) ½"	"	25	do.	0 2 3	} J. Danks & Son Pty. Ltd.	
*1095	(M) ¾"	"	5	do.	0 2 4		
1096	(M) ¾"	"	1,500	do.	0 3 11	} Galliers & Klaerr Pty. Ltd.	
1097	(BE) ¾"	"	10	do.	0 3 11		
1098	(BA) ¾"	"	20	do.	0 3 11		
*1099	(M) 1"	"	5	do.	0 4 0	} J. Danks & Son Pty. Ltd.	
1100	(M) 1"	"	56	do.	0 7 6		
1101	(BE) 1"	"	5	do.	0 9 0		
1102	(BA) 1"	"	2	do.	0 9 0		
*1103	(M) Over 1", as ordered	"	5	do.	0 5 6		
1104	(M) Over 1", as ordered	"	200 lb.	lb.	0 2 11	} J. Danks & Son Pty. Ltd.	
*1105	Couplings or Unions, any sizes and threads ordered	"	100 "	do.	0 2 11		
1106	Directors, Water, with Nozzles only, ¼" ¾", or 1", as ordered	"	72	each	0 2 6	Wm. Bedford Ltd.	
*1107	" " Fire Brigade pattern, any sizes and threads ordered	"	10 lb.	lb.	0 5 6	} J. Danks & Son Pty. Ltd.	
*1108	Elbows, Brass, 1" brass threads	"	200	each	0 1 3		
1109	" Brazed Metal, 1" gas threads	"	130	do.	0 1 1		
	Ferrules, Straight Union, for Lead or Iron, as ordered—						
1110	(M) ½"	"	10	do.	0 1 6	} Galliers & Klaerr Pty. Ltd.	
1111	(M) ¾"	"	48	do.	0 2 3		
1112	(M) 1"	"	28	do.	0 4 0	} J. Danks & Son Pty. Ltd.	
1113	(M) Over 1", as ordered	"	10 lb.	lb.	0 4 0		
*1114	Gratings, Urinal, Brass	"	72	each	0 8 0	Wm. Bedford Ltd.	
	Junctions, any angles ordered—						
1115	(M) 1½" x 1½", plain	"	} 72	do.	0 2 7	} J. Danks & Son Pty. Ltd.	
1116	(M) 1½" x 1½", with inspection opening	"			do.		0 3 10
1117	(BE) 1½" x 1½", with inspection opening	"	12	do.	0 4 0	} Galliers & Klaerr Pty. Ltd.	
1118	(BA) 1½" x 1½", with inspection opening	"	4	do.	0 4 0		
1119	(M) 1½" x 1½", plain	"	} 40	do.	0 3 6	} J. Danks & Son Pty. Ltd.	
1120	(M) 1½" x 1½", with inspection opening	"			do.		0 4 5
1121	(BE) 1½" x 1½", with inspection opening	"	4	do.	0 4 8	} J. Danks & Son Pty. Ltd.	
1122	(BA) 1½" x 1½", with inspection opening	"	6	do.	0 4 8		
1123	(M) 1½" x 1½", plain	"	} 50	do.	0 3 6	} J. Danks & Son Pty. Ltd.	
1124	(M) 1½" x 1½", with inspection opening	"			do.		0 4 6
1125	(BE) 1½" x 1½", with inspection opening	"	6	do.	0 4 9	} J. Danks & Son Pty. Ltd.	
1126	(BA) 1½" x 1½", with inspection opening	"	6	do.	0 4 9		
1127	(M) 2" x 1½", plain	"	} 20	do.	0 3 11	} J. Danks & Son Pty. Ltd.	
1128	(M) 2" x 1½", with inspection opening	"			do.		0 5 1

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
PLUMBERS' GOODS (BRASSWARE)—continued.						
1129	Junctions, any angles ordered— <i>continued.</i> (M) 2" x 1½", plain	Apst.	22	each	0 4 3	J. Danks & Son Pty. Ltd.
1130	(M) 2" x 1½", with inspection opening	"		do.	0 5 6	
1131	Junctions, any angles ordered— (BE) 2" x 1½", with inspection opening	"	6	do.	0 5 6	Galliers & Klaerr Pty. Ltd.
1132	(BA) 2" x 1½", with inspection opening	"	6	do.	0 5 6	
1133	(M) 2" x 2", plain	"	20	do.	0 4 6	J. Danks & Son Pty. Ltd.
1134	(M) 2" x 2", with inspection opening	"		do.	0 5 9	
1135	(BE) 2" x 2", with inspection opening	"	6	do.	0 6 0	Galliers & Klaerr Pty. Ltd.
1136	(BA) 2" x 2", with inspection opening	"	6	do.	0 6 0	
1137	Nipples— ¾"	"	140	do.	0 0 3½	Galliers & Klaerr Pty. Ltd.
1137A	¾"	"	36	do.	0 0 4½	
Nuts, Rings and Tails, in sets—						
1138	¾"	"	10 sets	set	0 1 0	J. Danks & Son Pty. Ltd.
*1139	¾"	"	120 "	do.	0 1 5	McPherson's Pty. Ltd.
1140	1"	"	5 "	do.	0 1 9	J. Danks & Son Pty. Ltd.
1141	(M) Pieces, Extension, 2" diameter, any lengths ordered	"	240 ins.	inch	0 0 6	Galliers & Klaerr Pty. Ltd.
Plugs, Brass, long taper—						
1142	¾"	"	22	each	0 0 7	J. Danks & Son Pty. Ltd.
1143	¾"	"	34	do.	0 0 10	
1144	1"	"	60	do.	0 1 2	J. Danks & Son Pty. Ltd.
1145	(M) Plugs and Washers, round or square, any sizes, as ordered	"	6	do.	0 2 6	
1146	(M) Plugs and Washers, bath, fullway, 2", screwed	"	20	do.	0 5 0	J. Danks & Son Pty. Ltd.
1147	Rings, Hose, ½"	"	350	do.	0 0 3½	Galliers & Klaerr Pty. Ltd.
1147A	" " ¾"	"		do.	0 0 4½	
1147B	" " 1"	"		do.	0 0 6	
Sleeves, Beaded—						
1148	(M) 3"	"	4	do.	0 3 0	J. Danks & Son Pty. Ltd.
1149	(M) 4"	"	30	do.	0 4 8	
Sockets, Brazed Metal, gas threads—						
1150	¾"	"	24	do.	0 0 6	J. Danks & Son Pty. Ltd.
1151	1"	"	30	do.	0 0 9	
1152	1½"	"	30	do.	0 1 1	Galliers & Klaerr Pty. Ltd.
*1153	Spargers, Urinal, Brass, ¾", brass threads	"	400	do.	0 1 8	
1154	Tail, Cistern, Brass reducing, screwed for 1" gas thread	"	50	do.	0 2 10	J. Danks & Son Pty. Ltd.
*1155	Tees, Brass, 1", brass threads	"	500	do.	0 1 3	Galliers & Klaerr Pty. Ltd.
*1156	Tees, Brass, Reducing, 1½" x 1", 1" gas thread and 1" brass thread	"	24	do.	0 1 9	
1157	" Brazed Metal, 1", gas thread	"	50	do.	0 1 2	J. Danks & Son Pty. Ltd.
Traps, with trap screw—						
1158	(M) P., 2"	"	60	do.	0 6 6	Galliers & Klaerr Pty. Ltd.
1159	(M) S., 2"	"		do.	0 7 5	
1160	(M) P., 1½"	"	32	do.	0 4 5	J. Danks & Son Pty. Ltd.
1161	(M) S., 1½"	"		do.	0 5 11	
1162	(BE) P., 2"	"	18	do.	0 6 6	Galliers & Klaerr Pty. Ltd.
1163	(BE) P., 1½"	"	20	do.	0 4 8	J. Danks & Son Pty. Ltd.
Tube, Brass, Solid Drawn, 16 gauge—						
1164	¾"	"	50 lin. ft.	lin. ft.	0 0 11	J. Danks & Son Pty. Ltd.
1165	1"	"	200 "	do.	0 1 3	
1166	1½"	"	60 "	do.	0 1 9	
Tube, Copper, Solid Drawn, 16 gauge—						
1167	¾"	"	100 "	do.	0 0 10½	J. Danks & Son Pty. Ltd.
1168	1"	"	1,100 "	do.	0 1 4	
1169	1½"	"	600 "	do.	0 1 8	
*1170	Unions, Brass Barrel, 1", M. and F., brass threads	"	50	each	0 1 6	Galliers & Klaerr Pty. Ltd.

Item No.	Description.	Country of Manufacture.	Estimated Requirements,	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
PLUMBERS' GOODS (BRASSWARE)—continued.						
1171	Unions, Brazed Metal, gas thread—					
	1", M. and F.	Aust.	60	each	0 3 7	J. Danks & Sons Pty. Ltd.
1172	1", Female	"	24	do.	0 3 3	
1173	1½", M. and F.	"	100	do.	0 4 7	
1174	1½", Female	"	30	do.	0 4 3	
Unions, Royle's Pattern, without rubbers—						
1175	½"	"	70	do.	0 0 8	J. G. Black Pty. Ltd.
1176	¾"	"		do.	0 1 1	
1177	1"	"		do.	0 2 6	
Valves, Flap, for lead or iron, as ordered—						
1178	(M) 1½"	"	20	do.	0 1 8	J. G. Black Pty. Ltd.
1179	(M) 2"	"	40	do.	0 2 3	
Valves, Steam, "Jenkins," renewable disc type (to be passed by the Inspector of Ironworks)—						
1180	½"	U.K.	100 lbs.	do.	0 4 10	J. Danks & Son Pty. Ltd.
1181	¾"	"		do.	0 6 8	
1182	1"	"		do.	0 9 4	
1183	1½"	"		do.	0 12 0	
1184	1"	"		do.	0 14 9	
1185	2"	"		do.	1 0 0	
1186	2½"	"	do.	2 7 0		
1187	Nil					
to						
1190						

TUBES AND FITTINGS.

The estimated requirements are based on the full list price.

The Contractor will require to have all Galvanized Tubes supplied under Items marked (M) tested by the Melbourne and Metropolitan Board of Works, and such Tubes shall bear that Board's test marks before delivery.

All Tubes and Fittings to be of standard weight and of "Whitworth's" Gauge of Gas Threads.

Name of Manufacturers—

- Stewarts and Lloyds—Own make.
- Elder Smith and Co. Ltd.—Scottish Tube Co. Ltd.
- McPherson's Pty. Ltd.—Bergische Steel Industry.

As regards Items Nos. 1192 to 1199—two tenders have been accepted—that of Elder Smith and Co. Ltd. being lower for most items, but in accordance with the conditions of acceptance both Contractors are to receive a share of the business; but Elder Smith and Co. Ltd., being the lower for the majority of the items, shall receive 66⅔ per cent., and Stewarts and Lloyds (Aust.) Ltd. 33⅓ per cent. of the Department's business, and the Storehouse Manager shall arrange accordingly.

*The discounts quoted for Items Nos. 1192 to 1207 are current for twelve months only, and are based on the following discounts received by the Contractors from their principals, and should there be any alteration in these discounts as at the 30th April, 1928, the Contract discounts shall increase or decrease correspondingly and shall be the rates applicable during the twelve months commencing 1st July, 1928:—

Rates and conditions on which discounts are based:—

WROUGHT IRON TUBES.

Galvanized	Less 61 and 2½ per cent.
Steam	Less 60 and 2½ per cent.
Black	Less 70 and 2½ per cent.

WROUGHT IRON FITTINGS.

Bends, Longscrews, Springs, Barrel Nipples, all sizes.	Other Fittings.	
	Up to 2".	Over 2".
Black	70 per cent.	60 per cent.
Galvanized	61 per cent.	55 per cent.
Steam	60 per cent.	55 per cent.

Flanges—12½ per cent. gross more than the discounts for "other fittings."

There is a duty of 35 per cent. ad valorem on all Fittings, and this duty is based on the Home Consumption price, which at present is higher than the C.I.F. Melbourne price.

The above discounts cover delivery C.I.F. Melbourne, Dumping Duty to the Department's account.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	

TUBES AND FITTINGS—continued.

WROUGHT IRON FITTINGS—continued.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
TUBES AND FITTINGS—continued.						
WROUGHT IRON FITTINGS—continued.						
						Percentage off the "Price Lists" submitted with the tender and current during the first year of this Contract.
1192	Tubes, Wrought Iron, of approved thickness, in trade lengths, as ordered—		£			
1192	Black, up to 3" dia.	U.K.	1,500	..	*65½%	Elder Smith & Co. Ltd. Stewarts & Lloyds (Aust.) Ltd.
1192A	" up to 3" dia.	"		..	*65%	
1193	" over 3" and up to 6" dia.	"	140	..	*53½%	Elder Smith & Co. Ltd. Stewarts & Lloyds (Aust.) Ltd.
1193A	" over 3" and up to 6" dia.	"		..	*43¾%	
1194	Galvanized, up to 3" dia.	"	4,400	..	*56½%	Elder Smith & Co. Ltd. Stewarts & Lloyds (Aust.) Ltd.
1194A	" up to 3" dia.	"		..	*56½%	
1195	" over 3" and up to 6" dia.	"	780	..	*38¾%	Elder Smith & Co. Ltd. Stewarts & Lloyds (Aust.) Ltd.
1195A	" over 3" and up to 6" dia.	"		..	*40%	
1196	(M) Galvanized, up to 3" dia.	"	4,000	..	*51½%	Elder Smith & Co. Ltd. Stewarts & Lloyds (Aust.) Ltd.
1196A	(M) " up to 3" dia.	"		..	*51½%	
1197	(M) " over 3" and up to 6" dia.	"	125	..	*33¾%	Elder Smith & Co. Ltd. Stewarts & Lloyds (Aust.) Ltd.
1197A	(M) " over 3" and up to 6" dia.	"		..	*37%	
1198	Steam, screwed and socketed, up to 3" diameter	"	6,500	..	*55%	Elder Smith & Co. Ltd. Stewarts & Lloyds (Aust.) Ltd.
1198A	" screwed and socketed, up to 3" dia.	"		..	*53½%	
1199	" screwed and socketed, over 3" and up to 6" dia.	"	2,200	..	*39%	Elder Smith & Co. Ltd. Stewarts & Lloyds (Aust.) Ltd.
1199A	" screwed and socketed, over 3" and up to 6" dia.	"		..	*40%	
						Percentage off the "Price Lists" submitted with the tender and current during the first year of the Contract.
1200	Bends, Long Screws, and Springs, Wrought Iron, of approved thickness—		£			
1200	Galvanized, up to 3" diameter	"	270	..	*28%	Stewarts & Lloyds (Aust.) Ltd.
1201	" over 3" and up to 6" diameter	"	160	..	*28%	
						Percentage off the "Price List" submitted with the tender and current during the period of the contract.
1202	Fittings, Wrought Iron, of approved thickness—					
1202	Black, up to 2" diameter	"	800	..	*36%	Stewarts & Lloyds (Aust.) Ltd.
1203	" 2½" and up to 6" diameter	"	80	..	*36%	
1204	Galvanized, up to 2" diameter	"	1,300	..	*28%	
1205	" 2½" and up to 6" diameter	"	240	..	*28%	
1206	Steam, up to 2" diameter	"	1,100	..	*28%	
1207	" 2½" and up to 6" diameter	"	240	..	*28%	
						Percentage off the "Price List" submitted with the tender and current during the period of the contract.
1208	Fittings, Malleable Iron, of approved thickness—					
1208	Black, up to 2" diameter	Germany	300	..	68½%	McPherson's Pty. Ltd.
1209	" 2½" and up to 6" diameter	"	26	..	60%	
1210	Galvanized, up to 2" diameter	"	100	..	57½%	
1211	" 2½" and up to 6" diameter	"	50	..	50%	
1212	Steam, up to 2" diameter	"	100	..	68½%	
1213	" 2½" and up to 6" diameter	"	75	..	60%	
1214 to 1216	Nil					

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	

CAST IRON WATER PIPES.

All Cast-iron Pipes supplied by the Contractor shall be made from the best strong pig iron, free from all defects, and to the forms and dimensions of M.M.B.W. standard as shown on Drawing No. L292/23, equal sided, in 9-ft. lengths, when laid, and having spigot and faucet, the faucet to be properly grooved.

All the Pipes shall be coated internally and externally with coal pitch and oil, according to Dr. Angus Smith's patent process. The surface of the coating on the Pipes shall be quite black, and retain a smooth glossy appearance resembling japanned work. The coating shall adhere firmly to the Pipes all over, and shall be incapable of being mechanically separated therefrom.

The Pipes shall be of the weights shown hereunder, and any Pipe varying more than 2½ per cent. below the weight specified shall be liable to rejection. The Pipes shall be paid for on the weights specified hereunder, and no payment shall be made for any excess over those weights.

Diameter of Pipe.	Effective Length.	Weight.
3 inches ..	9 feet ..	122 lb.
4 " ..	9 " ..	160 "
6 " ..	9 " ..	276 "

Each Pipe shall be capable of satisfactorily withstanding the tests of being submitted to an hydraulic pressure of 250 lb. per square inch, in the manufacturer's yard, before being coated, and of being struck repeatedly with a hammer of not less than 5 lb. weight while under pressure. All such Pipes shall further allow of a wrought iron or steel disc ¼ inch less than the specified diameter of the Pipe being freely put through each Pipe.

The Stores referred to in this Schedule shall be wholly manufactured or produced at the factory or works of the Contractor at the address named where provided for at the end of this Schedule. No subletting will be allowed.

CAST-IRON WATER PIPES.

Pipes, Cast Iron, Water, in 9'-lengths—											
1217	3"	Aust.	28 tons	ton	16 5 0	} Joseph Nixon & Sons
1218	4"	..	..	..	..	..	"	140 "	do.	16 0 0
1219½	6"	..	..	..	..	..	"	80 "	do.	15 10 0
1220½	Nil.										

IRON, AND MALLEABLE IRON, CASTINGS.

All patterns lent by the Corporation will be delivered to the Contractor at the railway station nearest to his works, and all such patterns shall be returned to the aforesaid station by and at the expense of the Contractor, in good order and condition, and shall be delivered together with the Castings. In the event of the non-return of any of the patterns, or of their being damaged, the price, to be fixed by the Chief Storekeeper, shall be paid by the Contractor, or may be deducted from any money due to the Contractor by the Corporation.

IRON CASTINGS.

The Contractor shall, during the currency of the Contract, furnish the Chief Storekeeper with the address or addresses of the place or places at which the Iron Castings are being manufactured, and the Chief Storekeeper or any person appointed by him from time to time shall at all times during business hours have free access to such place or places, and shall be afforded every facility for inspecting the Castings ordered while in process of manufacture.

The Castings are to be clean, sharp, free from surface scale, shell, cold shuts, blow holes, honeycomb, cinder, or any other imperfections, and are to be sound in every respect, and thoroughly close in grain. When specially ordered the Castings are to be run with heads or runners of such weight as may be ordered, and no extra charge will be allowed for same, and the Contractor shall remove the head or runner from the Casting where possible in the opinion of the Chief Storekeeper, and charge the Casting at the net weight only, trimmed and clean. In cases where it is necessary to cut off the head in a lathe or machine, such head will be cut off by the Corporation, and will be returned to the railway station nearest to the Contractor's works, and delivered to the Contractor at the said railway station free of cost or carriage.

Whenever specially ordered, the Castings shall be run from the very best "cold-blast iron" of such particular brand, quality, and mixture as may be described in the order; or of such other substituted mixture as may be approved or directed by the Chief Storekeeper, so as to produce a hard, close, soft or other description of metal, at the option and to the satisfaction of the Chief Storekeeper.

The whole of the patterns (other than those which will be lent to the Contractor by the Corporation in connexion with any Castings which may be ordered under Item No. 1222) of any Castings ordered under Item No. 1221 shall be provided by and at the sole expense of the Contractor, and the cost of the same shall be deemed to be included in the rate set opposite to this item.

All the Castings are to be of the best description, and when required must be dipped in a mixture of hot Trinidad asphalt and coal tar in the proportions and in the manner adopted by the Melbourne and Metropolitan Board of Works.

No Casting of less than 2 lbs. weight shall be ordered under this Contract.

Tests.—When making any lot of Castings the Contractor, when ordered to do so, shall cast at the same time and from the same material at least one test bar in the presence of the Chief Storekeeper or his representative. Such test bar shall be 3 ft. 6 in. long, 2 inches deep x 1 inch wide, and shall be placed in a suitable machine with bearings 3 feet apart. A load of not less than 23 cwt. shall be placed at the centre, which the bar when showing a minimum deflection of 3 inches shall sustain without breaking.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	

IRON, AND MALLEABLE IRON; CASTINGS—continued.

SPECIFICATION FOR MALLEABLE IRON CASTINGS TO BE SUPPLIED UNDER ITEMS Nos. 1223 TO 1226.
 The Castings shall be made to the exact forms and dimensions required by the Corporation, and are to be clean, sharp, free from surface scale, shell, cold shuts, blow holes, honeycomb, cinder, or any other imperfections.
 Test Bars, 1½ inches x 1 inch x ¼ inch, taken from any Casting, shall be capable of being bent through an angle of not less than 180 degrees round a bar of 1 in. diameter without showing signs of fracture.

The Corporation shall provide the patterns for all Castings ordered.

SPECIFICATION FOR MALLEABLE IRON CASTINGS, ITEMS Nos. 1227 TO 1230, FOR USE BY THE ELECTRICAL ENGINEERING BRANCH.

Tension Tests.—The tension test specimens specified in Clause 16 shall conform to the following requirements as to tensile properties:—

Tensile strength (lb. per square inch) .. .. .	..	..	..	..	35,840
Elongation in 2 in. per cent. .. .. .	..	..	..	..	3.0

The tensile test piece shall be as set out in British Standard Specification No. 5022 of 1923.

Test Lugs.—All Castings, if of sufficient size, shall have cast thereon at least two test lugs of a size proportionate to the thickness of the Casting, but not exceeding ½ inch by ¼ of an inch in cross-section. On Castings which are 24 inches or over in length, a test lug shall be cast near each end. These test lugs shall be attached to the Casting at such a point that they will not interfere with the assembling of the Castings, and they may be broken off by the Chief Storekeeper or his representative.

Manner of Applying First Acceptance Tests.—A set of at least three (3) tension test specimens shall be cast from each melt without chills, using heavy risers of sufficient height to secure sound bars. The specimens shall be suitably marked for identification with the melt. Each set of test specimens shall be placed in the annealing oven adjacent to the Castings which they represent. After annealing three tension specimens shall be selected by the Chief Storekeeper or his representative as representing the Castings in the oven from which these specimens were taken. If the first specimen conforms to the specified requirements, or if, in the event of the failure of the first specimen the second and third specimens conform to the requirements, the Castings in that oven shall be accepted, except that any Casting may be rejected if its test lug shows that it has not been properly annealed. If either the second or third tensile test specimen fails to conform to the requirements, the entire contents of that oven shall be rejected. In case one of these second or third specimens contains a flaw which results in its failure to meet the Specification, at the discretion of the Chief Storekeeper or his representative, additional test specimens from the same oven may be admitted for test; or if possible tensile specimens may be cut from Castings. No test specimen thus cut from a Casting may be less than 19/32 in. in mean diameter at the smallest part.

Manner of Applying Second Acceptance Test.—Any Castings rejected for insufficient annealing may be re-annealed once. The re-annealed Castings shall be inspected by examining the remaining test lugs, and passed if these indicate that they have been correctly annealed. Re-annealed Castings without remaining test lugs shall only be passed at the discretion of the Chief Storekeeper or his representative, and then only after sample Castings have been tested to destruction. Rejected Castings shall be immediately destroyed by the Contractor in the presence of the Superintending Officer.

Workmanship.—The Castings shall conform substantially to the patterns or drawings furnished by the Corporation, and also to gauges which may be specified in individual cases. The Castings shall be made in a workmanlike manner. A variation of ¼ inch per foot will be permitted.

Finish.—The Castings shall be free from injurious defects.

The Stores referred to in this Schedule shall be wholly manufactured or produced at the factory or works of the Contractor at the address named in this Schedule. No subletting will be allowed.

*Supplies of Malleable Iron Castings under Items Nos. 1223 to 1230 are to be obtained from the Workshops Manager at Newport, and orders are only to be placed on the United Engineering and Malleable Co. Pty. Ltd. when the Workshops Manager is unable to supply. The Contract with this Company is conditional on the rate being adjusted should there be any alteration in the working hours per week by reason of Arbitration Court Awards. The rates shall be varied by mutual arrangement.

1221	Castings, Iron, Special Water Supply, of the following standard sizes, or any combination thereof, the patterns for which shall be supplied by the Contractor:—3", 4", 5", 6", 7", 8", 9", and 12", consisting of ¼", ½", or ¾" bends, tee pieces, cross pieces, and thimbles, hatch boxes, pillar hydrant bends and tees, washout and fire-plug tees, also all fire-plugs and covers, valve covers, and reducing pieces of all irregular sizes; the thickness of metal and dimensions of pipe faucets and overall dimensions to be to the Melbourne and Metropolitan Board of Works standard	Aust.	30 tons	ton	25 15 0	J. Nixon & Sons
1222	Castings, Iron, Special Water Supply, other than those referred to in Item No. 1221 which may be ordered, for which the Corporation will lend the patterns	"	4 "	do.	28 0 0	
1223	Castings, Malleable Iron— Up to 1 lb.	lb.	..	Supplies to be obtained from the Workshops Manager at Newport
1224	Over 1 lb. and up to 5 lb. .. .. .	..	..	do.	..
1225	Over 5 lb. and up to 15 lb. .. .. .	..	..	do.	..
1226	Over 15 lb. .. .. .	..	..	do.	..

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
IRON, AND MALLEABLE IRON, CASTINGS—continued.						
	Castings, Malleable Iron, for use by Electrical Engineering Branch—to Specification.					
1227	Up to 1 lb.	Aust.	1 ton	lb.	*0 0 10	} United Engineering & Malleable Co. Pty. Ltd. (See also note above)
1228	Over 1 lb. and up to 5 lb.	"	1 "	do.	*0 0 9	
1229	Over 5 lb. and up to 15 lb.	"	2 "	do.	*0 0 8½	
1230	Over 15 lb.	"	10 cwt.	do:	*0 0 7½	
1231 to 1233	Nil					

STEEL CASTINGS.

The Contractor shall, during the currency of the Contract, furnish the Chief Storekeeper with the address or addresses of the place or places at which the Steel Castings are being manufactured, and the Chief Storekeeper or any person appointed by him from time to time shall at all times during business hours have free access to such place or places; and shall be afforded every facility for inspecting the Castings while in process of manufacture.

When specially ordered the Castings are to be run with heads or runners of such weight as may be ordered, and no extra charge will be allowed for same, and the Contractor will be required to remove the head or runner from the Casting where possible in the opinion of the Chief Storekeeper, and charge the Casting at the net weight only, trimmed and clean. In cases where it is necessary to cut off the head in a lathe or machine, such head will be cut off by the Corporation, and, excepting those for the State Coal Mine at Wonthaggi, will be returned to the railway station nearest to the Contractor's works, and delivered to the Contractor at the said railway station free of cost or carriage.

The Castings shall be manufactured from Steel produced by an approved process; and shall comply in every particular with the requirements of British Standard Specification No. 10 of Report No. 24.

Note.—In the case of Crossheads, the tensile requirements shall be as follow:—Breaking strength 28 to 30 tons per square inch, with an elongation of not less than 20 per cent. in 2 inches.

Subject to the provisions of next following clause, the Corporation will supply all patterns, and deliver the same to the Contractor free of cost, at the railway station nearest to his works. All patterns, &c., supplied by the Corporation shall be returned by the Contractor in good order, and shall be delivered together with the Castings.

Whenever only one or two Castings are required, and they can, in the opinion of the Chief Storekeeper, be moulded from the broken originals, the Contractor will be bound to mould from such broken originals without requiring the Corporation to supply a wooden or other pattern for same, and without being allowed any extra rate.

The Stores referred to in this Schedule shall be wholly manufactured or produced at the factory or works of the Contractor, at the address named in this Schedule. No subletting will be allowed.

As regards Items Nos. 1234 to 1239a, three tenders have been accepted, and as far as is possible the business is to be equally divided provided each of the Contractors concerned give satisfactory service. As far as it is possible similar Castings are to be given to the same Contractor in order that a minimum number of patterns will be required and the cost of production kept to the lowest level.

The contract with the firms concerned is conditional on the existing lines of castings being ordered and should during the currency of the contract supplies of a new design of Casting of a comprehensive nature be desired, the Chief Storekeeper shall determine whether such Castings are to be supplied under this Contract.

As regards Items Nos. 1234 to 1245, the rates are based on existing Arbitration Court Awards regarding the wages and conditions and should during the currency of the Contract there be any increase or decrease in wages or any alteration in working hours provided the alteration in working hours involves an increase in wages, the rates may be revised by mutual arrangement between the Contractor and the Chief Storekeeper or alternatively the whole of the contracts will be determined. See previous page re placing orders.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
Castings—Steel—						
1234	Under 2 lb.; with or without wearing surfaces, as ordered	Aust.	} 8 tons	ton.	112 0 0	Steel Co. of Australia Pty. Ltd.
1234A	Under 2 lb.; with or without wearing surfaces, as ordered	"		do.	112 0 0	Chas. Ruwolt Pty. Ltd.
1234B	Under 2 lb., with or without wearing surfaces, as ordered	"		do.	112 0 0	Thompsons Engr. & Pipe Co. Ltd.
1235	2 lb. and up to 14 lb., with or without wearing surfaces, as ordered	"	} 170 "	do.	54 0 0	Steel Co. of Australia Pty. Ltd.
1235A	2 lb. and up to 14 lb.; with or without wearing surfaces, as ordered	"		do.	54 0 0	Chas. Ruwolt Pty. Ltd.
1235B	2 lb. and up to 14 lb., with or without wearing surfaces, as ordered	"	do.	54 0 0	Thompsons Engr. & Pipe Co. Ltd.	
1236	Over 14 lb. and up to 1 cwt., with or without wearing surfaces, as ordered	"	} 560 "	do.	42 0 0	Steel Co. of Australia Pty. Ltd.
1236A	Over 14 lb. and up to 1 cwt., with or without wearing surfaces; as ordered	"		do.	42 0 0	Chas. Ruwolt Pty. Ltd.
1236B	Over 14 lb. and up to 1 cwt., with or without wearing surfaces, as ordered	"		do.	42 0 0	Thompsons Engr. & Pipe Co. Ltd.
1237	Over 1 cwt., with or without wearing surfaces, as ordered	"	} 320 "	do.	40 0 0	Steel Co. of Australia Pty. Ltd.
1237A	Over 1 cwt., with or without wearing surfaces, as ordered	"		do.	40 0 0	Chas. Ruwolt Pty. Ltd.
1237B	Over 1 cwt.; with or without wearing surfaces, as ordered	"		do.	40 0 0	Thompsons Engr. & Pipe Co. Ltd.
1237C	Frame stays and bogie centres	"		do.	56 0 0	Steel Co. of Australia Pty. Ltd.
1237D	Frame stays and bogie centres	"		do.	56 0 0	Chas. Ruwolt Pty. Ltd.
1237E	Frame stays and bogie centres	"		do.	56 0 0	Thompsons Engr. & Pipe Co. Ltd.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
STEEL CASTINGS—continued.								
1238	Castings, Steel, with wearing surfaces— Crossheads, Engine, A2, Dd, C, K, and N, as ordered	Aust	10 tons.	ton.	60	0	0	Steel Co. of Australia Pty. Ltd.
1238A	„ „ A2, Dd, C, K, and N, as ordered	„		do.	60	0	0	Chas. Ruwolt Pty. Ltd.
1238B	„ „ A2, Dd, C, K, and N, as ordered	„	4 cwt.	do.	60	0	0	Thompsons Engr. & Pipe Co. Ltd.
1239	„ „ narrow gauge ..	„		do.	70	0	0	Steel Co. of Australia Pty. Ltd.
1239A	„ „ narrow gauge ..	„		do.	70	0	0	Chas. Ruwolt Pty. Ltd.
1239B	„ „ narrow gauge ..	„		do.	70	0	0	Thompsons Engr. & Pipe Co. Ltd.
Castings, Steel, with or without wearing surfaces—								
1240	Axle Boxes, Electric Motor	„	100 tons	do.	60	0	0	Davies, Baird & Robertson Pty. Ltd.
1241	„ „ Standard Car	„		do.	60	0	0	
1242	„ „ Wagons	„		do.	56	0	0	
1243	„ „ Engine	„		do.	48	0	0	
1244	„ „ Engine Bogie	„		do.	48	0	0	
1245	„ „ Engine Truck	„		do.	60	0	0	
1246 } to } 1248 }	Nil							

CAST STEEL JUNCTION FISHPLATES.

(ANNEALED.)

Description.—The cast steel junction fishplates shall be of the classes and weights ordered from time to time.

Process of Manufacture.—All the steel used in the manufacture of the cast steel junction fishplates shall be of the best quality, and shall be produced by an approved process.

Workmanship.—The cast steel junction fishplates shall be accurately moulded, with the addition of letters and figures (denoting the hand, &c., and weights of rails) in accordance with the patterns supplied, and in addition shall have a test bar of 1/2 inch square section and 2 inches long cast thereto.

The Castings shall be, in every respect, of the highest quality and finish, with smooth and straight bearing, so that a perfect fit to the heads and flanges of the rails is always maintained.

The Castings shall show no shrinkage recess anywhere, and shall be entirely free from green sand holes and any other defects.

All defects shall be left bare, and no filling, with the object of obliterating such defects, will be permitted.

Holes for Fishbolts.—The holes for the fishbolts shall be truly oored to the patterns, and shall be free from sand, &c. to allow free passage for the bolts.

Annealing.—Each casting shall be thoroughly annealed by heating to a temperature not less than the normalizing temperature and allowed to cool slowly from the maximum temperature in a uniform manner. Care shall be taken that no distortion of the section occurs.

After annealing, the Castings shall NOT be dipped in any coating preparation.

Bend Test.—The test bar attached to each casting shall be capable of being bent through 90 degrees by tapping with a 3-lb. hammer. Should any test bar fail to fulfil the test, the casting from which the test bar was tested will be rejected.

Inspection.—The Superintending Officer shall have free access to the works of the manufacturer at all times while the Castings are in the process of manufacture. The cast steel junction fishplates (annealed) shall be inspected at the works of the manufacturer prior to delivery.

Any fishplates which do not comply in every respect with the patterns and this specification or which are not, in the opinion of the Superintending Officer, of first class workmanship and finish, even if they have withstood the Bend Test, shall be rejected.

Every approved cast steel junction fishplate shall be indelibly stamped, by the Superintending Officer, at one end thus—(V R) (3/4 inch diameter), also a letter indicating the manufacturer's initial thus—R.

Patterns.—The patterns will be delivered at the Metropolitan Receiving Depot, Spencer-street, Melbourne, upon requisition to the Chief Storekeeper, and shall be kept in proper repair by the Contractor, and on completion of the service shall be returned, in good order and condition, to the Metropolitan Receiving Depot, Spencer-street, Melbourne.

Delivery.—The cast steel junction fishplates shall be delivered at the Workshops Manager's Ironwork Shop, Spencer-street (at the foot of Lonsdale-street), Melbourne, or loaded into railway trucks by and at the cost of the Contractor at the Burnley railway station and consigned to the Workshops Manager's Ironwork Shop, Spencer-street, Melbourne, on Blue Consignment Notes, which will be supplied by the Superintending Officer.

As regards Item No. 1249—the rate is based on existing Arbitration Court Awards regarding the wages and conditions, and should during the currency of the contract there be any increase or decrease in wages or any alteration in working hours, provided the alteration in working hours involves an increase in wages, the rate may be revised by mutual arrangement between the Contractor and the Chief Storekeeper or alternatively the contract will be determined.

1249	Cast Steel Junction fishplates (annealed) with wearing surfaces, as ordered from time to time	Aust.	50 tons	ton	45	0	0	Chas. Ruwolt Pty. Ltd.
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Item No.	Description.	Country of Manufacture.	Estimated Requirements,	Rate per—	Rate.	Name of Contractor.
					£ s. d.	

BRASS AND GUNMETAL CASTINGS.

YELLOW BRASS CASTINGS.—Item No. 1250.

The Yellow Brass Castings to be supplied shall be composed of 66 per cent. copper and 34 per cent. zinc, and the whole of the copper used in the manufacture of the Castings shall be from the best wire bars 99.9 per cent.

The Castings shall be supplied with runners and burrs removed, and shall be sound, clean and smooth, and free from any defects, blow holes, &c.

GUNMETAL CASTINGS—Item No. 1251.

Chemical Composition.—The alloy shall conform to the following requirements as to chemical composition:—Copper, 86 to 89 per cent.; Tin, 8 to 11 per cent.; Zinc, 1 to 3 per cent.

Chemical Analysis.—An analysis of each melt may be made by the Chief Storekeeper or his representative. The chemical composition thus determined shall conform to the requirements specified.

Sampling.—(a) The sample for chemical analysis shall be taken either by sawing, drilling or melting the castings of tension test specimen and shall represent the average cross-section of the piece.

(b) The saw, drill, cutter or other tool used shall be thoroughly cleaned. No lubricant shall be used in the operation, and the saw dust or metal chips shall be carefully treated with a magnet to remove any particles of iron derived from the tools.

Tension Tests.—The alloy shall conform to the following requirements as to tensile properties:—

Tensile strength (lb. per square inch)	..	..	..	30,000
Elongation in 2" with a gauge di. of 1/2 in.	..	..	..	14 per cent.

Test Specimens.—(a) Two test bars of suitable form and dimensions shall be an integral part of large castings, or cast separately in the case of small castings to represent the melt and shall be moulded in a manner similar to the castings which they represent.

(b) The Chief Storekeeper or his representative and the Contractor shall agree whether test bars can be attached to the castings, on the location of bars on the castings, on the castings to which bars are attached, and on the method of casting unattached bars.

Number of Tests.—(a) One tension test shall be made from each melt.

(b) If any test specimen shows defective machining or develop flaws it may be discarded, in which case the Contractor and the Chief Storekeeper or his representative shall agree upon another selection of another specimen in its stead.

Finish.—The castings shall be free from injurious defects.

All patterns shall be supplied by the Corporation, and shall be delivered to the Contractor at the railway station nearest to his works, and all such patterns shall be returned to the aforesaid station by and at the expense of the Contractor in good order and condition, and shall be delivered together with the castings. In the event of the non-return of any of the patterns, or of their being damaged, the price to be fixed by the Chief Storekeeper shall be paid by the Contractor, or may be deducted from any money due to the Contractor by the Corporation.

The Stores referred to in this Schedule shall be wholly manufactured or produced at the factory or works of the Contractor at the address named in this Schedule. No subletting will be allowed.

*Supplies of Brass and Gunmetal Castings are to be obtained from the Workshops Manager at Newport, and orders are only to be placed on the United Engineering and Malleable Co. Pty. Ltd., when the Workshops Manager is unable to meet demands. The Contract with this company is conditional on the rates being adjusted by mutual arrangement should there be any alterations in the working hours per week due to Arbitration Court Awards.

1250	} Castings, Brass, Yellow	Aust.	200 lb.	lb.	*0 1 6½	} United Engineering and Malleable Co. Pty. Ltd.
1251			"	4,000 "	do.		*0 1 9
1252	} Nil					
to						
1254						

* See note above.

COPPER ROD, SHEET, TUBING, AND COPPER PHOSPHOR.

SPECIFICATION FOR COPPER TUBING.—Items Nos. 1255–1271.

The Copper Tubing shall conform to British Standard Specification No. 15 of Report No. 24.

SPECIFICATION FOR COPPER PHOSPHOR.—Item No. 1272.

The Copper Phosphor shall be in accordance with the following Specification:—

This Specification covers the supply and delivery of material to be used for the production of Phosphor Bronze.

The material shall be supplied in the form of notched slabs weighing 15 lb. to 20 lb. each. It shall be clean, free from defect, and uniform in quality.

COPPER ROD, SHEET, TUBING AND COPPER PHOSPHOR—*continued.*

Five per cent. of the slabs supplied shall be reserved for testing.

The material shall be brittle and show on fracture a silvery-white colour. If it be not brittle it will be rejected without an analysis being made.

Analysis of the samples shall be uniform and shall conform to the following requirements:—

Phosphorus	..	..	..	Minimum	15.00	per cent.
Phosphorus and Copper combined	..	..	..	..	99.85	..
Impurities	..	..	..	Maximum	.15	..

SPECIFICATION FOR COPPER ROD— $\frac{7}{8}$ " TO $1\frac{1}{4}$ ".—*Items Nos. 1276 to 1281.*

Quality of Material.—The Copper Rod, Items Nos. 1276 to 1281, shall contain not less than 99.20 per cent. of Copper, and shall contain not less than .30 per cent. nor more than .50 per cent. of Arsenic. The Contractor, at his own expense, shall supply an analysis whenever required to do so.

Freedom from Defects, &c.—The Rods shall be clean, smooth, uniform in diameter, and free from surface defects. The character of the material shall be ascertained by breaking off a small portion from one Rod in 25. The material shall be free from piping or other defects of every description:

The Rods shall be supplied in trade lengths.

Marking.—Each Rod shall be stamped with the manufacturer's name near one end.

Mechanical Tests.—The Chief Storekeeper or his representative may select and test such of the Rods as he may think proper, up to 2 per cent. of each diameter of Rod ordered under the contract.

All test pieces shall withstand the following mechanical tests in the annealed condition:—

Tensile Tests.—A test piece, having a gauge length of not less than eight times the diameter of the unturned Rod, shall show a tensile breaking strength of not less than 14.5 tons per square inch, with an elongation of not less than 40 per cent.

Bend Test.—The Rod shall, both when cold and at a red heat, withstand, without machining, being doubled up close without cracking.

Hammering or Crushing Down Test.—A piece of Rod 1 inch long shall be placed on end, and hammered or crushed down when cold to a thickness of $\frac{3}{8}$ inch without showing either crack or flaw on the circumference of the resulting disc.

Additional Tests Before Rejection.—Should any of the test pieces first selected by the Chief Storekeeper or his representative fail to pass the chemical or mechanical tests, two further test pieces from the same batch shall be selected for testing. Should either of these test pieces so selected fail as to the requirements of either the chemical or mechanical tests, the Rods represented by the test pieces shall be liable to rejection.

Inspection.—Should the test pieces fail to comply in every respect to the satisfaction of the Chief Storekeeper or his representative with the terms of this Specification, then in every such event the Corporation shall be at liberty to reject the whole of the consignment of Copper Rod from which such test pieces were selected.

As regards this Schedule, the tests shall be conducted at the Railway Workshops at Newport, Victoria.

All material specified in this Schedule shall be delivered to the Metropolitan Receiving Depot, and the weights as ascertained at the time of delivery at that Depot shall be accepted.

*As regards Items Nos. 1255 to 1271, the rates are based on the price of £65 per ton for Electrolytic Copper Wire Bars, and are to be varied up or down by 1/10th of a penny per lb. of tubes for each complete 17/6 or part thereof by which the price of Wire Bars published in the *Argus*, Melbourne, on the date of receipt of an order is greater than £65 17s. 5d. per ton or less than £65 per ton, respectively. If on any day no price of Wire Bars is published, the price last published shall apply. In the case of a dispute concerning the published price of Wire Bars, the figures advised by the Australian Mines and Metals Association as last received by them from the London Metal Exchange prior to the day of the receipt of the order shall be mutually accepted.

As regards Items Nos. 1255 to 1271, the rates tendered are for lots of not less than 200 lb. of any individual size or gauge and for supply in random trade lengths between 12 and 18 ft. For supply in exact lengths the rate shall be increased by 1d. per lb. Delivery will be given within 6/8 weeks from the date of receipt of order.

*As regards Items Nos. 1273 to 1281, the rates are based on the price of Australian Electrolytic Copper Wire Bars at a minimum figure of £64 10s. per ton, and the rate shall vary the full amount of the increase in the price of Australian Electrolytic Copper Wire Bars at the date of placing of order. £64 10s. is the minimum rate of Electrolytic Copper Wire Bars that will apply.

Name of Manufacturer—

Items Nos. 1255 to 1271.—Metal Manufacturers Pty. Ltd.
 Items Nos. 1273 to 1281.—Austral Bronze Co.
 Items Nos. 1282 and 1283.—Austral Bronze Co.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.	
					£	s.	d.		
COPPER ROD, SHEET, TUBING, ETC.—continued.									
Copper Tubing, Solid Drawn—									
1255	20 gauge, $\frac{1}{16}$ " outside diameter	Aust.	10 cwt.	lb.	*0	2	75	5	Knox, Schlapp & Co.
1256	18 gauge, $\frac{1}{16}$ "	"	10 "	do.	*0	1	10	4	
1257	16 gauge, $\frac{1}{16}$ "	"	10 "	do.	*0	1	11	4	
1258	16 gauge, $\frac{1}{16}$ "	"	1 "	do.	*0	1	11	4	
1259	16 gauge, $\frac{1}{16}$ "	"	10 "	do.	*0	1	10	1	
1260	16 gauge, $\frac{1}{16}$ "	"	20 "	do.	*0	1	9	8	
1261	14 gauge, $\frac{1}{16}$ "	"	30 "	do.	*0	1	9	1	
1262	14 gauge, $\frac{1}{16}$ "	"	36 "	do.	*0	1	8	5	
1263	14 gauge, $\frac{1}{16}$ "	"	20 "	do.	*0	1	8	5	
1264	14 gauge, $\frac{1}{16}$ "	"	10 "	do.	*0	1	7	2	
1265	12 gauge, 1"	"	72 "	do.	*0	1	7	5	
1266	13 gauge, $1\frac{1}{8}$ "	"	26 "	do.	*0	1	6	8	
1267	12 gauge, $1\frac{1}{8}$ "	"	20 "	do.	*0	1	6	5	
1268	10 gauge, $1\frac{1}{8}$ "	"	50 "	do.	*0	1	6	5	
1269	10 gauge, $1\frac{1}{8}$ "	"	130 "	do.	*0	1	6	5	
1270	10 gauge, 2"	"	10 "	do.	*0	1	6	5	
1271	8 gauge, 1"	"	20 "	do.	*0	1	7	8	
Copper Rod, Electrolytic—									
1273	$\frac{1}{2}$ " diameter	"	1 ton	ton	*144	13	4	Noyes Bros. (Melb.) Pty Ltd.	
1274	$\frac{3}{8}$ " "	"	1 "	do.	*140	0	0		
1275	$\frac{1}{2}$ " "	"	1 "	do.	*140	0	0		
Copper Rod for Loco. Fire Boxes—									
1276	$\frac{7}{8}$ " diameter	"	5 tons	do.	*126	0	0	George White & Co.	
1277	1" "	"	10 "	do.	*126	0	0		
1278	$1\frac{1}{8}$ " "	"	1 ton	do.	*126	0	0		
1279	$1\frac{1}{8}$ " "	"	1 "	do.	*126	0	0		
1280	$1\frac{1}{8}$ " "	"	1 "	do.	*126	0	0		
1281	$1\frac{1}{8}$ " "	"	2 tons	do.	*126	0	0		
1282	Copper Sheet, best hard rolled, Nos. 12 to 34 gauge as ordered, any sizes ordered	"	6 "	lb.	0	1	6		
1283	Copper Sheet, best soft rolled, Nos. 12 to 34 gauge as ordered, any sizes ordered	"		do.	0	1	5		
1284 to 1286	Nil								

METALS—ALUMINIUM, ANTIMONY, BRASS, LEAD, AND ZINC.

METALS.

As regards Item No. 1365, the tenderer shall insert, where provided for in Column 6 in the Schedule, the amount at which (in addition to the market price for Pig Lead ascertained in manner provided for in the next following note) he tenders to supply the Pig Lead.

* The Pig Lead (Item No. 1365) and Zinc (Item No. 1367) and Spelter (Zinc) respectively shall be paid for at the latest cabled market spot price for Pig Lead quoted in the Melbourne morning daily newspapers prior to the service of the order (unless, in the judgment of the Chief Storekeeper, the price quoted as aforesaid does not correctly represent the market price for Pig Lead or Spelter prevailing on the day of the date of such cabled market price) plus the sum set opposite to Items Nos. 1365 and 1367 respectively in Column 6 in the Schedule, always provided that if, in the judgment of the Chief Storekeeper, the cabled market price quoted as aforesaid in the Melbourne morning daily newspaper, or any of them, does not correctly represent the market price for Pig Lead or Spelter prevailing on the day of the date of such cabled market price, then the market price prevailing on such day shall be determined by the Chief Storekeeper on evidence satisfactory to him, and such determination by the Chief Storekeeper shall be final and binding, and the rate of payment for the Pig Lead or Spelter referred to on the particular order shall be in accordance with the price so determined by the Chief Storekeeper, plus the sum set opposite to Items Nos. 1365 and 1367 respectively as aforesaid.

The Sheet Zinc to be supplied under Item 1369 shall be homogeneous, free from splits and flaws, and shall not contain more than .5 per cent. of lead, nor more than .25 per cent. of iron.

All material specified in this Schedule shall be delivered to the Metropolitan Receiving Depot, and the weights as ascertained at the time of delivery at that Depot shall be accepted.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	

METALS—continued.

*As regards Items Nos. 1289 to 1334, the rates tendered are based on Australian Electrolytic Copper Wire Bars at a minimum figure of £64 10s. per ton and will vary as under:—

60 per cent. of increase; the price for the wire bars to be taken from the *Argus* (London Metal Quotations) on the day the orders are received by the Contractor.

Name of Manufacturer—

Items No. 1289-1334.—Austral Bronze Co.
 Items Nos. 1336, 1340, and 1341.—Elliotts Metal.
 Items Nos. 1343-1364.—Metal Manufacturers Ltd.

†1287	Aluminium, Ingot	U.K.	30 cwt.	cwt.	6 10 0	Briscoe & Co. Ltd.
†1288	Antimony, Ingot, Regulus of, 99·5 per cent. pure	Aust.	500 „	do.	4 16 0	Hillgrove Metals)
BRASS.						
Brass, Rod, hexagon, hard rolled, in 6' to 8' lengths (Whitworth Standard)—						
1289	$\frac{1}{8}$ " width across flat	Aust.	500 cwt.	cwt.	*6 6 0	
1290	$\frac{1}{8}$ " " " "	"		do.	*5 16 8	
1291	$\frac{1}{4}$ " " " "	"		do.	*5 16 8	
1292	$\frac{31}{64}$ " " " "	"		do.	*5 16 8	
1293	$\frac{7}{16}$ " " " "	"		do.	*5 2 8	
1294	$\frac{23}{64}$ " " " "	"		do.	*5 2 8	
1295	$\frac{19}{32}$ " " " "	"		do.	*5 2 8	
1296	$\frac{45}{64}$ " " " "	"		do.	*5 0 4	
1297	$\frac{13}{16}$ " " " "	"		do.	*5 0 4	
1298	$\frac{29}{32}$ " " " "	"		do.	*5 0 4	
1299	$\frac{11}{16}$ " " " "	"		do.	*5 0 4	
1300	$\frac{13}{32}$ " " " "	"		do.	*5 0 4	
1301	$\frac{113}{64}$ " " " "	"		do.	*5 0 4	
1302	$\frac{119}{64}$ " " " "	"		do.	*5 0 4	
1303	$\frac{125}{64}$ " " " "	"		do.	*5 0 4	
1304	$\frac{131}{64}$ " " " "	"		do.	*5 0 4	
1305	$\frac{143}{64}$ " " " "	"		do.	*5 0 4	
1306	$\frac{155}{64}$ " " " "	"	do.	*5 0 4		
1307	$\frac{23}{64}$ " " " "	"	do.	*5 0 4		
Brass, Rod, round, hard rolled, in 6' to 8' lengths—						
1308	$\frac{1}{8}$ " diameter	"	450 cwt.	do.	*7 0 0	Noyes Bros. (Melb.) Pty. Ltd.
1309	$\frac{3}{16}$ " " " "	"		do.	*6 1 4	
1310	$\frac{1}{4}$ " " " "	"		do.	*5 16 8	
1311	$\frac{5}{16}$ " " " "	"		do.	*5 12 0	
1312	$\frac{3}{8}$ " " " "	"		do.	*5 0 4	
1313	$\frac{7}{8}$ " " " "	"		do.	*5 0 4	
1314	$\frac{1}{2}$ " " " "	"		do.	*4 18 0	
1315	$\frac{3}{8}$ " " " "	"		do.	*4 18 0	
1316	$\frac{5}{8}$ " " " "	"		do.	*4 18 0	
1317	$\frac{11}{16}$ " " " "	"		do.	*4 18 0	
1318	$\frac{3}{4}$ " " " "	"		do.	*4 18 0	
1319	$\frac{13}{16}$ " " " "	"		do.	*4 18 0	
1320	$\frac{7}{8}$ " " " "	"		do.	*4 18 0	
1321	$\frac{15}{16}$ " " " "	"		do.	*4 18 0	
1322	1" " " "	"		do.	*4 18 0	
1323	$1\frac{1}{8}$ " " " "	"		do.	*4 18 0	
1324	$1\frac{1}{4}$ " " " "	"		do.	*4 18 0	
1325	$1\frac{3}{8}$ " " " "	"		do.	*4 18 0	
1326	$1\frac{1}{2}$ " " " "	"		do.	*4 18 0	
1327	$1\frac{3}{4}$ " " " "	"		do.	*4 18 0	
1328	$1\frac{7}{8}$ " " " "	"		do.	*4 18 0	
1329	2" " " "	"	do.	*4 18 0		
1330	2" " " "	"	do.	*4 18 0		
1331	$2\frac{1}{4}$ " " " "	"	do.	*4 18 0		
1332	$2\frac{1}{2}$ " " " "	"	do.	*4 18 0		
1333	$2\frac{3}{4}$ " " " "	"	do.	*6 10 8		
1334	3" " " "	"	do.	*6 10 8		

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per--	Rate.	Name of Contractor.
					£ s. d.	
METALS—continued.						
BRASS—continued.						
1335	Brass, Sheet, Best, hard rolled— 6' x 2' x any of the following gauges as ordered :—30, 28, 26, 24, 22, 20, 18, 16, 14, 12, or 10	U.K.	72 cwt.	lb.	0 1 1½	Briscoe & Co. Ltd.
1336	6' x 2' x any of the following thicknesses as ordered :— $\frac{3}{16}$ " , $\frac{1}{4}$ " , or $\frac{5}{16}$ "	"		do.	0 1 1	George White & Co.
1337	6' x 3' x any of the following gauges as ordered :—24, 20, 16, 18, 14, 12, or 10	"		do.	0 1 2	Briscoe & Co. Ltd.
1338	4' x 2' x any of the following gauges as ordered :—30, 28, 26, 24, 22, 20, 18, 16, 14, 12, or 10	"		do.	0 1 1½	
1339	Brass, Sheet, Best, soft rolled— 6' or 4' x 2' x any of the following gauges as ordered :—30, 28, 26, 24, 22, 20, 18, 16, 14, 12, 10, 9, or 8	"	22 "	do.	0 1 1½	Briscoe & Co. Ltd.
1340	6' x 2' x $\frac{3}{16}$ " or $\frac{1}{4}$ " thick as ordered	"		do.	0 1 1	George White & Co.
1341	4' x 1' x $\frac{1}{8}$ " , $\frac{3}{8}$ " , $\frac{1}{4}$ " , $\frac{3}{8}$ " , or 1" thick as ordered	"		do.	0 1 1	
1342	6' x 3' x any of the following gauges as ordered :—22, 20, 18, 16, 14, 12, or 10	"		do.	0 1 1½	Briscoe & Co. Ltd.
Brass Tubing (except Boiler Tubes), solid drawn—any lengths ordered—						
1343	$\frac{1}{4}$ " x 22, 18, or 16 gauges as ordered ..	Aust.	40 "	do.	0 2 3	George White & Co.
1344	$\frac{5}{16}$ " x 20, 18, or 16 gauges as ordered ..	"		do.	0 2 3	
1345	$\frac{3}{8}$ " x 20, 18, 16, 12, or 10 gauges as ordered ..	"		do.	0 2 0	
1346	$\frac{7}{16}$ " x 20, 18, 16, or 14 gauges as ordered ..	"		do.	0 2 0	
1347	$\frac{1}{2}$ " x 20, 18, 16, 14, or 10 gauges as ordered ..	"		do.	0 2 0	
1348	$\frac{9}{16}$ " x 20, 18, or 16 gauges as ordered ..	"		do.	0 2 0	
1349	$\frac{5}{8}$ " x 20, 18, 16, 14, 12, or 10 gauges as ordered ..	"		do.	0 1 11	
1350	$\frac{3}{4}$ " x 20, 18, 16, 14, 12, or 10 gauges as ordered ..	"		do.	0 1 11	
1351	$\frac{11}{16}$ " x 22, 16, or 10 gauges as ordered ..	"		do.	0 1 11	
1352	$\frac{7}{8}$ " x 20, 18, 16, 14, 12, or 10 gauges as ordered ..	"		do.	0 1 11	
1353	1" x 20, 18, 16, 14, 12, or 10 gauges as ordered ..	"		do.	0 1 11	
1354	1½" x 20, 18, 16, 14, 12, or 10 gauges as ordered ..	"		do.	0 1 11	
1355	1¼" x 20, 18, 16, 14, 12, or 10 gauges as ordered ..	"		do.	0 1 11	
1356	1½" x 20, 18, 16, 14, 12, or 10 gauges as ordered ..	"		do.	0 1 11	
1357	2" x 18, 16, 14, 12, or 10 gauges as ordered ..	"		do.	0 1 11	
1358	2 $\frac{3}{8}$ " x 16 gauge	"		do.	0 1 11	
1359	2 $\frac{1}{4}$ " x 18 gauge	"		do.	0 1 11	
1360	2 $\frac{3}{4}$ " x 16 gauge	"	do.	0 1 11		
1361	3" x 16 gauge	"	do.	0 1 11		
1362	3 $\frac{1}{4}$ " x 16 gauge	"	do.	0 1 11		
1363	3 $\frac{3}{4}$ " x 16 gauge	"	do.	0 1 11		
1364	4" x 16 gauge	"	do.	0 1 11		
LEAD.						
1365	Lead, Pig, soft	Aust.	110 tons	ton	Market Rate plus **1 0 0	The Moreland Metal Co. Ltd.
1366	" Sheet, best rolled, of an even thickness throughout, smooth, and free from all defects, any thicknesses ordered, and cut to any sizes ordered	"	30 "	do.	39 0 0	J. Danks & Son Pty. Ltd.
ZINC.						
1367	Zinc, Electrolytic, 99·9 per cent.	Aust.	160 cwt.	cwt.	Market Rate plus **10s. cwt.	The Moreland Metal Co. Ltd.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
<i>METALS—continued.</i>								
<i>{ ZINC—continued.</i>								
1368	Zinc, Stout, Perforated, .085 diameter, 84 holes to the square inch, No. 6 Zinc gauge, in Sheets, 7' x 3' or 8' x 3'	U.K.	500 sq. ft.	sq. ft.	0	0	2½	} Briscoe & Co. Ltd.
1369	„ Sheet, Plain, any thicknesses ordered, No. 8 to No. 14 Zinc gauges	„	2 cwt.	cwt.	2	15	0	
1370 to 1374	Nil.							

GALVANIZED IRON (ONE YEAR ONLY).

The Contractor submitted one sheet of 6 feet by 26 gauge galvanized corrugated iron, and one sheet of 6 feet by 3 feet by 26 gauge plain galvanized iron, and the galvanized iron delivered shall, as regards quality, be in accordance with the respective samples.

The rates tendered include wharfage, and in the event of sufficient time being allowed for importation into the State of Victoria, the material should be consigned on the Bill of Lading to the Chief Storekeeper of the Victorian Railways. Wharfage will be arranged by the Chief Storekeeper and the amount involved deducted from the Contractor's invoice.

Sheet, Corrugated, 26 gauge, "Orb"—									
†1375	5'	Aust.	} 100 tons	ton	28	7	6	} E. Duckett & Sons	
†1376	6'	"		do.	28	7	6		
†1377	7'	"		do.	28	7	6		
†1378	8'	"		do.	28	7	6		
†1379	9'	"		12½ "	do.	28	17		0
†1380	10'	"		4 "	do.	29	6		6
†1381	5', 1" pitch	U.K.		} 12 "	do.	27	16		0
†1382	6', 1" pitch	"			do.	27	16		0
†1383	7', 1" pitch	"		} 12 "	do.	27	16		0
†1384	8', 1" pitch	"			do.	27	16		0
Sheet, Corrugated, 24 gauge, "Orb"—									
†1385	6'	Aust.	} 350 "	do.	26	19	0	} E. Duckett & Sons	
†1386	6'	"		do.	26	19	0		
†1387	7'	"		do.	26	19	0		
†1388	8'	"		do.	26	19	0		
†1389	9'	"		50 "	do.	27	8		6
†1390	10'	"		50 "	do.	27	18		0
Sheet, Corrugated, 20 gauge, "Orb"—									
†1391	9'	"	2 "	do.	27	10	0	} Elder, Smith & Co. Ltd.	
†1392	10'	"	3 "	do.	28	0	0		
Sheet, Plain, 28 gauge, "Fleur-de-Lis"—									
†1393	6' x 2'	"	1 "	do.	30	19	9	} E. Duckett & Sons	
†1394	6' x 2' 6"	"	2 "	do.	30	19	9		
†1395	6' x 3'	"	3½ "	do.	30	19	9		
†1396	Sheet, Plain, 26 gauge, "Queen's Head"— 6' x 3'	"	40 "	do.	30	0	9		
Sheet, Plain, 24 gauge, "Queen's Head"—									
†1397	6' x 2' 6"	"	4 "	do.	28	12	3	} E. Duckett & Sons	
†1398	6' x 3'	"	40 "	do.	28	12	3		
Sheet, Plain, 22 gauge, "Queen's Head"—									
†1399	6' x 2' 6"	"	1 "	do.	28	12	3	} E. Duckett & Sons	
†1400	6' x 3'	"	1 "	do.	28	12	3		
Sheet, Plain, 20 gauge, "Queen's Head"—									
†1401	6' x 2' 6"	"	1½ "	do.	28	12	3	} E. Duckett & Sons	
†1402	6' x 3'	"	13½ "	do.	28	12	3		

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
GALVANIZED IRON (ONE YEAR ONLY)—continued.								
†1403	Sheet, Plain, 18 gauge, "Queen's Head"— 6' x 2'	Anst.	2 tons	ton	28	12	3	} E. Duckett & Sons
†1404	6' x 2' 6"	"	1½ "	do.	28	12	3	
†1405	6' x 3'	"	12½ "	do.	28	12	3	
†1406	Sheet, Plain, 16 gauge, "Queen's Head"— 6' x 2'	"	3 "	do.	28	12	3	
†1407	6' x 2' 6"	"	7½ "	do.	28	12	3	
1408 to 1410	Nil							

IRON.

The Iron to be supplied under Items Nos. 1441 to 1447 inclusive shall be subject to the following specification, viz. :—

- (a) Quality of Material.—To be of best Yorkshire Iron, or other approved make.
- (b) Freedom from Defects.—The round, square and flat bars shall be well and cleanly rolled to the dimensions and sections specified, and shall be sound and free from flaws, cracks, crop ends, and defects of any description. Any of the rounds, squares, or flat bars which do not hold up to their full dimensions from end to end, or which have rough, jagged, or imperfect edges or ends shall be rejected.
- (c) Mechanical Tests.—The tensile strength and ductility shall be determined from standard test pieces cut from the bars and tested with the grain. Any straightening of test pieces which may be required shall be done when cold.
- (d) Tensile Tests.—Flat Bars.—Flat Bars shall be tested where possible as shaped in accordance with British Standard test piece "A," but where the dimensions of the Bars as rolled do not permit of Test Bars of the shape shown being cut therefrom, they may be tested by British Standard test piece "B," All Flat Bars so tested shall be capable of withstanding a tensile test of from 21 to 24 tons per square inch, with an elongation of not less than 24 per cent.
Rounds and Squares.—Where the diameters or sides of Bars do not exceed one inch, they are to be tested as rolled in accordance with British Standard test piece "B," and shall be capable of withstanding a tensile test of from 21 to 24 tons per square inch, with an elongation of not less than 28 per cent.
Where the diameter or sides of Bars are larger than one inch, they are to be turned down and tested in accordance with British Standard test piece "B," and shall be capable of withstanding a tensile test of from 21 to 24 tons per square inch, with an elongation of not less than 24 per cent.
- (e) Bend Tests.—Test pieces under 2 inches in diameter or thickness shall withstand being bent cold flat on themselves without sign of fracture. Test pieces 2 inches diameter or thickness and over must withstand being bent cold through an angle of 180 degrees by pressure, or by a succession of light blows over a round bar equal in diameter to the thickness of the test piece without showing signs of fracture on the outside of the bent portion.
- (f) Nicked Bend Tests.—Nicked bend tests shall be made on test pieces cut from the bars as rolled. Bars up to 1½ inches diameter shall be lightly and evenly nicked on one side with a sharp cutting tool, and bent back at this point through an angle of 180 degrees by pressure in a press or by a succession of light blows, when they shall show a fibrous fracture free from slag or dirt. The same bars when nicked all round and broken off short shall show a fine uniform crystalline fracture.
- (g) Rejection.—Should the material fail to comply in every particular with the above conditions, the lot from which the test pieces were selected shall be rejected.

All best Yorkshire Iron, round, square and flat (other than Australian Rolled) shall, prior to delivery, be clearly and durably painted on each end with Red paint, by and at the expense of the Contractor.

ROLLED IRON (AUSTRALIAN).

The whole of the Scrap for the manufacture of the Rolled Iron under this Contract shall be purchased by the Contractor from the Corporation, and except as hereinafter provided shall be paid for by the Contractor at a fixed rate of £1 10s. per ton, delivered in trucks at Spencer-street Railway Station for the Lion Rolling Mills Pty. Ltd., and at the Company's siding, Little Brooklyn, in the case of the Victoria Iron Rolling Co., and the rates set opposite to items numbered respectively 1448 and 1449 in this Schedule must include the cost of the said Scrap.

To cover waste in the case of the Double Rolled Iron, the Contractor shall purchase as aforesaid 25 per centum of Scrap in excess of any quantity of Double Rolled Iron which may be ordered from time to time. To cover waste in the case of the Treble Rolled Iron, the Contractor shall purchase as aforesaid 30 per centum of Scrap in excess of any quantity of Treble Rolled Iron which may be ordered from time to time. Provided in the event of the Contractor requiring for the purposes of this Contract any quantity of Scrap exceeding the respective percentages as aforesaid, then in every such case he shall pay for such excess at the rate of £2 5s. per ton. Payment at the rate or rates aforesaid shall be made by the Contractor to the Chief Accountant of the Victorian Railways (within 48 hours after demand) for any Scrap which may be supplied to the Contractor from time to time as hereinbefore provided, and failing payment as aforesaid, the Corporation shall be entitled to deduct any amount owing for the said Scrap from any money due, or which may become due, to the Contractor under this Contract.

The Rolled Iron shall be entirely manufactured from the Scrap purchased from the Corporation as aforesaid, and shall be paid for by the Corporation on the basis of the net weight of such Rolled Iron, when supplied and delivered in strict accordance with all the provisions and requirements of the annexed Conditions of Contract and this Schedule, and to the satisfaction in every respect of the Chief Storekeeper.

All bars shall be cut to the lengths required, and have crop and bad ends cut off, and the Rolled Iron delivered shall be sound throughout and fit for use.

Only the net weight of Rolled Iron delivered (after crop and bad ends have been cut off) shall be paid for.

All Australian Rolled Iron, round, square and flat, shall, prior to delivery, be clearly and durably painted at each end by and at the expense of the Contractor, as follows, that is to say :—

Double Rolled Iron shall be painted with White Paint.

Treble Rolled Iron shall be painted with Black Paint.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	

IRON—continued.

Tensile Tests.—Flat Bars, Double Rolled.—Flat Bars shall be tested where possible as shaped in accordance with British Standard test piece "A," but where the dimensions of the bars as rolled do not permit of test bars of the shape shown being cut therefrom, they may be tested by British Standard test piece "B." All flat bars so tested shall be capable of withstanding a tensile test of from 21 to 24 tons per square inch, with an elongation of not less than 18 per cent.

Rounds and Squares.—Where the diameters or sides of bars do not exceed one inch, they are to be tested, as rolled, in accordance with British Standard test piece "B," and shall be capable of withstanding a tensile test of from 21 to 24 tons per square inch, with an elongation of not less than 18 per cent. Where the diameters or sides of bars are larger than one inch, they are to be turned down and tested in accordance with British Standard test piece "B," and shall be capable of withstanding a tensile test of from 21 to 24 tons per square inch, with an elongation of not less than 18 per cent.

Treble Rolled Iron.—Treble Rolled Iron is to be tested similarly to the double rolled, and shall be capable of withstanding a tensile test of from 22 to 25 tons per square inch, with an elongation of not less than 22 per cent.

In the event of the Iron tendered under this schedule being of Australian manufacture, the contractor shall, during the currency of this Contract, furnish the Chief Storekeeper with the address or addresses of the place or places at which the Iron is being manufactured, and the Chief Storekeeper, or any person appointed by him from time to time, shall at all times during business hours have free access to such place or places, and shall be afforded every facility for inspecting the Iron while in process of manufacture. No sub-letting will be allowed.

In the event of there being any reduction in the working hours due to any Arbitration Court Award during the currency of the contract the rates tendered by the Lion Rolling Mills Pty. Ltd. and the Victoria Iron Rolling Co. Pty. Ltd. shall be subject to review by the Chief Storekeeper.

IRON.

IRON.		IRON.						
Flat, any lengths ordered and in any of the following thicknesses and sizes as ordered—								
1411	$\frac{3}{4}$ " x $\frac{7}{16}$ " to $\frac{3}{8}$ ", advancing by $\frac{1}{32}$ " ..	Aust.	500 tons	ton	16	10	0	
1412	$\frac{3}{8}$ " x $\frac{7}{16}$ " to $\frac{3}{8}$ " ..	"		do.	16	10	0	
1413	1" x $\frac{1}{4}$ " to $\frac{3}{8}$ " ..	"		do.	16	10	0	
1414	$1\frac{1}{8}$ " x $\frac{1}{4}$ " to $\frac{3}{8}$ " ..	"		do.	16	10	0	
1415	$1\frac{1}{4}$ " x $\frac{1}{4}$ " to $\frac{3}{8}$ " ..	"		do.	16	10	0	
1416	$1\frac{3}{8}$ " x $\frac{1}{4}$ " to 1" ..	"		do.	16	10	0	
1417	$1\frac{1}{2}$ " x $\frac{1}{4}$ " to 1" ..	"		do.	16	10	0	
1418	$1\frac{3}{4}$ " x $\frac{1}{4}$ " to 1" ..	"		do.	16	10	0	
1419	2" x $\frac{1}{4}$ " to $1\frac{1}{2}$ " ..	"		do.	16	10	0	
1420	$2\frac{1}{4}$ " x $\frac{1}{4}$ " to $1\frac{1}{2}$ " ..	"		do.	16	10	0	
1421	$2\frac{3}{4}$ " x $\frac{1}{4}$ " to $1\frac{1}{2}$ " ..	"		do.	16	10	0	
1422	3" x $\frac{1}{4}$ " to 2" ..	"		do.	16	10	0	
1423	$3\frac{1}{2}$ " x $\frac{1}{4}$ " to 2" ..	"		do.	16	10	0	
1424	4" x $\frac{1}{4}$ " to 2" ..	"	do.	16	10	0		
1425	$4\frac{1}{2}$ " x $\frac{1}{4}$ " to 2" ..	"	do.	16	10	0		
1426	5" x $\frac{1}{4}$ " to $2\frac{1}{2}$ " ..	"	do.	16	10	0		
1427	$5\frac{1}{2}$ " x $\frac{1}{4}$ " to $2\frac{1}{2}$ " ..	"	do.	16	10	0		
1428	6" x $\frac{1}{4}$ " to 2" ..	"	do.	16	10	0		
1429 to 1432	Nil.							
1433	Flat, 12" x $\frac{5}{8}$ " ..		50	do.	..	..	Nil
1434	" 14" x $\frac{5}{8}$ " ..		50	do.	..	..
1435	Half-round, any sizes ordered ..		1	do.	..	..
1436	Round, $\frac{1}{2}$ " diameter ..	Aust.	100	do.	17	10	0	
1437	" $\frac{3}{8}$ " diameter ..	"		do.	17	0	0	
1438	Round or Square, as ordered, $\frac{3}{8}$ " to 3" in thickness or diameter as ordered, advancing by $\frac{1}{16}$ " (excluding $\frac{3}{8}$ ") ..			do.	16	10	0	
1439	Square, $\frac{1}{2}$ " ..			do.	17	10	0	
1440	" $\frac{3}{8}$ " ..			do.	17	0	0	
Best Yorkshire—							Lion Rolling Mills Pty. Ltd.	
1441	Flat, any thickness ordered, and up to 6" wide, as ordered ..	"	10	do.	21	0		0
1442	Round, $\frac{1}{2}$ " diameter ..	"	160	do.	22	0		0
1443	" $\frac{3}{8}$ " diameter ..	"		do.	21	10		0
1444	Square, $\frac{1}{2}$ " ..	"		do.	22	0		0
1445	" $\frac{3}{8}$ " ..	"		do.	21	10		0
1446	Round or Square, as ordered, $\frac{3}{8}$ " to 3" in thickness or diameter as ordered, advancing by $\frac{1}{16}$ " (excluding $\frac{3}{8}$ ") ..	"		do.	21	0	0	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
IRON—continued.						
1447	IRON—continued. Round or Square, as ordered, over 3" to 4" in thickness or diameter as ordered, advancing by $\frac{1}{8}$ ", and any lengths ordered	..	10 tons	ton	..	Nil
ROLLED IRON.						
1448	Iron, Double Rolled, from Scrap purchased from the Corporation, of any sizes and sections ordered, delivered into trucks at the Company's siding at Little Brooklyn	Aust.	1,000 "	do.	16 10 0	Victoria Iron Rolling Co. Pty. Ltd.
1449	„ Treble Rolled, from Scrap purchased from the Corporation, of any sizes and sections ordered	„	160 "	do.	22 10 0	Lion Rolling Mills Pty. Ltd.
1450 and 1451	} Nil.					

PIG IRON.

The Pig Iron shall contain the following elements within the limits as set out in the table given below :—

	Items 1452 and 1452A.	Items 1453 and 1453A.
Silicon	1·75% to 2·75%	2·75% to 4·00%
Manganese	·60% to 1·50%	·60% to 1·50%
Phosphorus	·60% to ·90%	·60% to ·90%
Sulphur	Not more than ·05%	Not more than ·05%

All weights shall be ascertained by weighing the Pig Iron on the weighbridge scales, or other weighing machines of the Corporation at the place of discharge of the vessel, and all such weights so ascertained shall for all purposes be accepted by the parties to this Contract as correct and final and binding.

The rates tendered shall be exclusive of wharfage dues of the Melbourne Harbour Trust, and, to enable the Corporation to obtain exemption of wharfage, each Bill of Lading should be made out in favour of the Chief Storekeeper of the Victorian Railways. Wharfage will be arranged by the Corporation and the Delivery Order returned to the Contractor in order that delivery may be completed.

Each shipment of the Pig Iron shall be arranged in such a manner as will enable delivery to be given direct from the ship's slings into railway trucks at either Victoria Dock or Williamstown Pier so that cartage charges may be eliminated. The minimum quantity that would require to be ordered to enable this to be done is 250 tons. In the event of the Special Foundry and Special Softener Pig Iron being ordered and shipped on the same vessel, the Contractor shall arrange for each class to be loaded into separate hatches, so that the Pig Iron will not become mixed when being discharged.

Provided satisfactory service is given the business is as far as possible to be equally divided between the two Companies.

* The rates cover delivery f.o.r. Williamstown and/or Victoria Dock at Contractors' option.

*The rates shown under Items Nos. 1452 to 1453A are subject to market fluctuations, the basis prices being, respectively, £6 and £6 10s. per ton for Foundry and Special Softener F.A.S. or F.O.B., Newcastle, or F.O.B., Sydney, and in the event of there being any alteration in the Contractor's current price for Pig Iron such increase or decrease (as the case may be) shall apply to the undelivered balance as at the date of such increase or decrease. The rise or fall shall be equal to the variation of the above basis price.

The Shipping Clerk will check the weights on the discharge of the ship and furnish the certificate of weighing to the Receiving Officer. Such weights are to be accepted.

At the time of placing orders with either Company, the question of inspection should be considered, and, if deemed advisable, the New South Wales Railway Department requested simultaneously with the placing of the order to arrange inspection and forward certificates to the Chief Storekeeper.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	

Pig Iron—continued.

1452	Pig Iron, Special Foundry, as specified, "Broken Hill"	Aust.	1,000 tons	ton	*6	12	7	Broken Hill Pty. Co. Ltd.
1452A	" " Soft Foundry, as specified, "Lithgow"	"		do.	*6	12	7	McPherson's Pty. Ltd., as Agents for Hoskins Iron and Steel Co. Ltd.
1453	" " Special Softener, as specified, "Broken Hill"	"	1,100 tons	do.	*7	2	4	Broken Hill Pty. Co. Ltd.
1453A	" " Special Softener, as specified, "Lithgow"	"		do.	*7	2	4	McPherson's Pty. Ltd., as Agents for Hoskins Iron & Steel Co. Ltd.

CAST STEEL, ETC.

Name of Manufacturer—	
Frank Wells Pty. Ltd.	Marsh Bros. & Co. Ltd.
Firdaw Eng. Supply Co. Pty. Ltd.	Thos. Firth & Sons, "Pnunsap," "Tungsten Chrome."
Wm. Adams & Co. Ltd.	Vickers, "B.C.T."
Coates & Co. Pty. Ltd.	John Vessey & Sons.
Search & Houston Pty. Ltd.	J. H. Andrew & Co. Ltd.
Gilbert Lodge & Co. Ltd.—Item 1556A	Dunford & Elliott.
" " Items 1512-1542	Sir W. G. Armstrong Whitworth & Co. Ltd.
E. Duckett & Sons	Oxley.

In connexion with the items where more than one tender has been accepted, this course has been followed, as the Steels offered are required for certain purposes, and the consuming Branch shall indicate which Steel should be ordered.

Each bar shall be branded with the name of manufacturer and brand and the grade or quality of the Steel supplied.

Wm. Adams & Co. Ltd. to be allowed sufficient time for import to meet initial orders.

Steel, Cast, Blacksmiths' quality—		U.K.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.			
Item No.	Description.				£	s.	d.				
Octagon—											
1454	1"	} 140 cwt.	}	cwt.	1	12	7	} Frank Wells Pty. Ltd.			
1455	1 1/8"			do.	1	12	7				
1456	1 1/4"			do.	1	12	7				
1457	1 3/8"			do.	1	12	7				
1458	1 1/2"			do.	1	12	7				
Round—											
1459	1"			do.	1	12	7				
1460	1 1/8"			do.	1	12	7				
1461	1 1/4"			do.	1	12	7				
1462	1 3/8"			do.	1	12	7				
1463	1 1/2"			do.	1	12	7				
1464	1 3/4"			do.	1	12	7				
1465	1 7/8"			do.	1	12	7				
1466	2"			do.	1	12	7				
1467	2 1/4"	do.	1	12	7						
Steel, Cast, Octagon, Miners' Drill—											
1468	3"	U.K.	20 "	do.	1	12	3	}			
1469	4"	"	10 "	do.	1	12	3				
Steel, Cast, for Snaps, Chisels, Cold Sets, &c.—											
Round—											
1470	1/2"	} U.K.	}	cwt.	2	3	6	} Wm. Adams & Co. Ltd. Firdaw Eng. Supply Co. Pty. Ltd.			
1470A	3/4"			do.	4	10	0				
1471	5/16"			do.	2	3	6				
1471A	3/8"			do.	4	10	0				
1472	3/8"			do.	2	3	6				
1472A	1/2"			do.	4	10	0				
1473	1/2"			do.	2	3	6				
1473A	3/4"			do.	4	10	0				
1474	5/8"			do.	2	3	6				
1474A	3/4"			do.	4	10	0				
1475	3/4"			do.	2	3	6				

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
CAST STEEL, ETC.—continued.						
Steel, Cast, for Snaps, Chisels, Cold Sets, &c.—						
Round—continued.						
1475A	1/2"	U.K.		150 cwt.	4 10 0	Firdaw Eng. Supply Co. Pty. Ltd.
1476	3/8"	"		do.	2 3 6	Wm. Adams & Co. Ltd.
1476A	3/8"	"		do.	4 10 0	Firdaw Eng. Supply Co. Pty. Ltd.
1477	1"	"		do.	2 3 6	Wm. Adams & Co. Ltd.
1477A	1"	"		do.	4 10 0	Firdaw Eng. Supply Co. Pty. Ltd.
1478	1 1/8"	"		do.	2 3 6	Wm. Adams & Co. Ltd.
1478A	1 1/8"	"		do.	4 10 0	Firdaw Eng. Supply Co. Pty. Ltd.
1479	1 1/4"	"		do.	2 3 6	Wm. Adams & Co. Ltd.
1479A	1 1/4"	"		do.	4 10 0	Firdaw Eng. Supply Co. Pty. Ltd.
1480	1 3/8"	"		do.	2 3 6	Wm. Adams & Co. Ltd.
1480A	1 3/8"	"		do.	4 10 0	Firdaw Eng. Supply Co. Pty. Ltd.
1481	1 1/2"	"		do.	2 3 6	Wm. Adams & Co. Ltd.
1481A	1 1/2"	"		do.	4 10 0	Firdaw Eng. Supply Co. Pty. Ltd.
1482	1 3/4"	"		do.	2 3 6	Wm. Adams & Co. Ltd.
1482A	1 3/4"	"		do.	4 10 0	Firdaw Eng. Supply Co. Pty. Ltd.
1483	1 7/8"	"		do.	2 3 6	Wm. Adams & Co. Ltd.
1483A	1 7/8"	"		do.	4 10 0	Firdaw Eng. Supply Co. Pty. Ltd.
1484	2"	"		do.	2 3 6	Wm. Adams & Co. Ltd.
1484A	2"	"		do.	4 10 0	Firdaw Eng. Supply Co. Pty. Ltd.
1485	2 1/4"	"		do.	2 3 6	Wm. Adams & Co. Ltd.
1485A	2 1/4"	"		do.	4 10 0	Firdaw Eng. Supply Co. Pty. Ltd.
Flat—						
1486	1 1/2" x 1/8"	"		do.	2 3 6	Wm. Adams & Co. Ltd.
1486A	1 1/2" x 1/8"	"		do.	4 10 0	Firdaw Eng. Supply Co. Pty. Ltd.
1487	1 3/8" x 1/8"	"		do.	2 3 6	Wm. Adams & Co. Ltd.
1487A	1 3/8" x 1/8"	"		do.	4 10 0	Firdaw Eng. Supply Co. Pty. Ltd.
1488	2 1/8" x 1/8"	"		do.	2 3 6	Wm. Adams & Co. Ltd.
1488A	2 1/8" x 1/8"	"		do.	4 10 0	Firdaw Eng. Supply Co. Pty. Ltd.
1489	1 3/4" x 1/8"	"		do.	2 3 6	Wm. Adams & Co. Ltd.
1489A	1 3/4" x 1/8"	"		do.	4 10 0	Firdaw Eng. Supply Co. Pty. Ltd.
1490	1 1/4" x 1/8"	"		do.	2 3 6	Wm. Adams & Co. Ltd.
1490A	1 1/4" x 1/8"	"		do.	4 10 0	Firdaw Eng. Supply Co. Pty. Ltd.
Square—						
1491	1"	"		do.	2 3 6	Wm. Adams & Co. Ltd.
1491A	1"	"		do.	4 10 0	Firdaw Eng. Supply Co. Pty. Ltd.
1492	5/16"	"		do.	2 3 6	Wm. Adams & Co. Ltd.
1492A	5/16"	"		do.	4 10 0	Firdaw Eng. Supply Co. Pty. Ltd.
1493	3/16"	"		do.	2 3 6	Wm. Adams & Co. Ltd.
1493A	3/16"	"		do.	4 10 0	Firdaw Eng. Supply Co. Pty. Ltd.
1494	1/8"	"		do.	2 3 6	Wm. Adams & Co. Ltd.
1494A	1/8"	"		do.	4 10 0	Firdaw Eng. Supply Co. Pty. Ltd.
1495	5/32"	"		do.	2 3 6	Wm. Adams & Co. Ltd.
1495A	5/32"	"		do.	4 10 0	Firdaw Eng. Supply Co. Pty. Ltd.
1496	3/32"	"		do.	2 3 6	Wm. Adams & Co. Ltd.
1496A	3/32"	"		do.	4 10 0	Firdaw Eng. Supply Co. Pty. Ltd.
1497	1"	"		do.	2 3 6	Wm. Adams & Co. Ltd.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
CAST STEEL, ETC.—continued.						
	Steel, Cast, for Snaps, Chisels, Cold Sets, &c.—Square—continued.					
1497A	1"	U.K.		cwt.	4 10 0	Firdaw Eng. Supply Co. Pty. Ltd.
1498	1½"	"		do.	2 3 6	Wm. Adams & Co. Ltd.
1498A	1½"	"		do.	4 10 0	Firdaw Eng. Supply Co. Pty. Ltd.
1499	1½"	"		do.	2 3 6	Wm. Adams & Co. Ltd.
1499A	1½"	"		do.	4 10 0	Firdaw Eng. Supply Co. Pty. Ltd.
1500	Oval— ¾" x ¾"	"		do.	2 5 0	Coates & Co. Pty. Ltd.
1500A	¾" x ¾", "MY"	"		do.	6 15 0	Search & Houston Pty. Ltd.
1501	1" x ¾"	"		do.	2 5 0	Coates & Co. Pty. Ltd.
1501A	1" x ¾", "MY"	"		do.	6 15 0	Search & Houston Pty. Ltd.
1502	Nil.					
	Octagon—					
1503	1½"	"		do.	2 5 0	Coates & Co. Pty. Ltd.
1503A	1½", "MY"	"		do.	6 15 0	Search & Houston Pty. Ltd.
1504	1½"	"		do.	2 5 0	Coates & Co. Pty. Ltd.
1504A	1½", "MY"	"		do.	6 15 0	Search & Houston Pty. Ltd.
	Steel, Double Shear, Flat—					
1505	1½" x 8 gauge	"	250 cwt.	cwt.	2 10 0	Firdaw Eng. Supply Co. Pty. Ltd.
1506	1" x ½"	"		do.	2 5 0	
1507	2" x ½"	"		do.	2 5 0	
1508	4" x 1"	"		do.	2 5 0	
1509	4" x 1½"	"		do.	2 5 0	
1510	4½" x 1"	"		do.	2 5 0	
1511	5" x 1½"	"		do.	2 5 0	
	Steel, Tool, High Speed—18 per cent. Tungsten, "Special Echo", "Toreador Super" or "Premier"—					
1512	1" x ¾", Lathe Tools	"	1 cwt.	lb.	0 2 10	Coates & Co. Pty. Ltd.
1512A	¾" x ¾", Lathe Tools	"		do.	*0 2 9½	Search & Houston Pty. Ltd.
1512B	1" x ¾", Lathe Tools	"		do.	0 2 9½	Gilbert Lodge & Co. Ltd.
1513	¾" x ¾", Lathe Tools	"	2 "	do.	0 2 10	Coates & Co. Pty. Ltd.
1513A	¾" x ¾", Lathe Tools	"		do.	*0 2 9½	Search & Houston Pty. Ltd.
1513B	¾" x ¾", Lathe Tools	"	½ "	do.	0 2 9½	Gilbert Lodge & Co. Ltd.
1514	7/16" x 3/16", Cutters for Screw Coupling	"		do.	0 2 10	Coates & Co. Pty. Ltd.
1514A	7/16" x 3/16", Cutters for Screw Coupling	"		do.	*0 2 9½	Search & Houston Pty. Ltd.
1514B	7/16" x 3/16" Cutters for Screw Coupling	"	1 "	do.	0 2 9½	Gilbert Lodge & Co. Ltd.
1515	7/16" x 7/16", Herbert Lathe Dies	"		do.	0 2 10	Coates & Co. Pty. Ltd.
1515A	7/16" x 7/16", Herbert Lathe Dies	"		do.	*0 2 9½	Search & Houston Pty. Ltd.
1515B	7/16" x 7/16" Herbert Lathe Dies	"	2 "	do.	0 2 9½	Gilbert Lodge & Co. Ltd.
1516	¾" square, Slotting Machines	"		do.	0 2 10	Coates & Co. Pty. Ltd.
1516A	¾" square, Slotting Machines	"	2 "	do.	*0 2 9½	Search & Houston Pty. Ltd.
1516B	¾" square, Slotting Machines	"		do.	0 2 6½	Gilbert Lodge & Co. Ltd.
1517	1" square, Slotting Machines	"		do.	0 2 10	Coates & Co. Pty. Ltd.
1517A	1" square, Slotting Machines	"	1 "	do.	*0 2 9½	Search & Houston Pty. Ltd.
1517B	1" square, Slotting Machines	"		do.	0 2 6½	Gilbert Lodge & Co. Ltd.
1518	1" x ½", Turret Lathes in general	"	5 "	do.	0 2 10	Coates & Co. Pty. Ltd.
1518A	1" x ½", Turret Lathes in general	"		do.	*0 2 9½	Search & Houston Pty. Ltd.
1518B	1" x ½" Turret Lathes in general	"		do.	0 2 6½	Gilbert Lodge & Co. Ltd.
1519	1" x ¾", Turret Lathes in general	"	5 "	do.	0 2 10	Coates & Co. Pty. Ltd.
1519A	1" x ¾", Turret Lathes in general	"		do.	*0 2 9½	Search & Houston Pty. Ltd.
1519B	1" x ¾", Turret Lathes in general	"		do.	0 2 6½	Gilbert Lodge & Co. Ltd.

*Less 10 per cent. discount.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.		Name of Contractor.
					£	s. d.	
CAST STEEL, ETC.—continued.							
	Steel, Tool, High Speed—18 per cent. Tungsten, "Special Echo," "Toreador Super" or "Premier"— <i>continued.</i>						
1520	1 1/8" x 1/2", Herbert Lathe Dies	U.K.	1 cwt.	lb.	0	2 10	Coates & Co. Pty. Ltd.
1520A	1 1/8" x 1/2", Herbert Lathe Dies	"		do.	*0	2 9 1/2	Search & Houston Pty. Ltd.
1520B	1 1/8" x 1/2", Herbert Lathe Dies	"	1 "	do.	0	2 6 1/2	Gilbert Lodge & Co. Ltd.
1521	1 1/8" x 1/2", Hartness Dies	"		do.	0	2 10	Coates & Co. Pty. Ltd.
1521A	1 1/8" x 1/2", Hartness Dies	"	1 "	do.	*0	2 9 1/2	Search & Houston Pty. Ltd.
1521B	1 1/8" x 1/2", Hartness Dies	"		do.	0	2 6 1/2	Gilbert Lodge & Co. Ltd.
1522	1 1/8" x 1/2", Lathe Tools	"	1 "	do.	0	2 10	Coates & Co. Pty. Ltd.
1522A	1 1/8" x 1/2", Lathe Tools	"		do.	*0	2 9 1/2	Search & Houston Pty. Ltd.
1522B	1 1/8" x 1/2", Lathe Tools	"	1 "	do.	0	2 6 1/2	Gilbert Lodge & Co. Ltd.
1523	1 1/4" x 1/2", Landis Dies	"		do.	0	2 10	Coates & Co. Pty. Ltd.
1523A	1 1/4" x 1/2", Landis Dies	"	1 "	do.	*0	2 9 1/2	Search & Houston Pty. Ltd.
1523B	1 1/4" x 1/2", Landis Dies	"		do.	0	2 6 1/2	Gilbert Lodge & Co. Ltd.
1524	1 1/4" x 3/8", Warner and Swasey Dies	"	1 "	do.	0	2 10	Coates & Co. Pty. Ltd.
1524A	1 1/4" x 3/8", Warner and Swasey Dies	"		do.	*0	2 9 1/2	Search & Houston Pty. Ltd.
1524B	1 1/4" x 3/8", Warner and Swasey Dies	"	1 "	do.	0	2 6 1/2	Gilbert Lodge & Co. Ltd.
1525	1 1/4" x 3/8", Turret Lathes in general	"		do.	0	2 10	Coates & Co. Pty. Ltd.
1525A	1 1/4" x 3/8", Turret Lathes in general	"	1 "	do.	*0	2 9 1/2	Search & Houston Pty. Ltd.
1525B	1 1/4" x 3/8", Turret Lathes in general	"		do.	0	2 6 1/2	Gilbert Lodge & Co. Ltd.
1526	1 1/4" x 3/8", Turret Lathes in general	"	1 "	do.	0	2 10	Coates & Co. Pty. Ltd.
1526A	1 1/4" x 3/8", Turret Lathes in general	"		do.	*0	2 9 1/2	Search & Houston Pty. Ltd.
1526B	1 1/4" x 3/8", Turret Lathes in general	"	1 "	do.	0	2 6 1/2	Gilbert Lodge & Co. Ltd.
1527	1 1/4" x 1", Turret Lathes in general	"		do.	0	2 10	Coates & Co. Pty. Ltd.
1527A	1 1/4" x 1", Turret Lathes in general	"	1 "	do.	*0	2 9 1/2	Search & Houston Pty. Ltd.
1527B	1 1/4" x 1", Turret Lathes in general	"		do.	0	2 6 1/2	Gilbert Lodge & Co. Ltd.
1528	1 3/8" x 5/8", Hartness Dies	"	1/2 "	do.	0	2 10	Coates & Co. Pty. Ltd.
1528A	1 3/8" x 5/8", Hartness Dies	"		do.	*0	2 9 1/2	Search & Houston Pty. Ltd.
1528B	1 1/4" x 5/8", Hartness Dies	"	1 "	do.	0	2 6 1/2	Gilbert Lodge & Co. Ltd.
1529	1 1/4" x 1", Herbert Turret Lathe	"		do.	0	2 10	Coates & Co. Pty. Ltd.
1529A	1 1/2" x 1", Herbert Turret Lathe	"	1 "	do.	*0	2 9 1/2	Search & Houston Pty. Ltd.
1529B	1 1/2" x 1", Herbert Turret Lathe	"		do.	0	2 6 1/2	Gilbert Lodge & Co. Ltd.
1530	1 1/2" x 1 1/8", Lathe Tools	"	4 "	do.	0	2 10	Coates & Co. Pty. Ltd.
1530A	1 1/2" x 1 1/8", Lathe Tools	"		do.	*0	2 9 1/2	Search & Houston Pty. Ltd.
1530B	1 1/2" x 1 1/8", Lathe Tools	"	4 "	do.	0	2 6 1/2	Gilbert Lodge & Co. Ltd.
1531	1 1/2" square, Slotting Machines	"		do.	0	2 10	Coates & Co. Pty. Ltd.
1531A	1 1/2" square, Slotting Machines	"	4 "	do.	*0	2 9 1/2	Search & Houston Pty. Ltd.
1531B	1 1/2" square, Slotting Machines	"		do.	0	2 6 1/2	Gilbert Lodge & Co. Ltd.
1532	1 1/8" x 3/4", Herbert Lathe Dies	"	1 "	do.	0	2 10	Coates & Co. Pty. Ltd.
1532A	1 1/8" x 3/4", Herbert Lathe Dies	"		do.	*0	2 9 1/2	Search & Houston Pty. Ltd.
1532B	1 1/8" x 3/4", Herbert Lathe Dies	"	1 "	do.	0	2 6 1/2	Gilbert Lodge & Co. Ltd.
1533	2" x 1 1/16", Forming Tools	"		do.	0	2 10	Coates & Co. Pty. Ltd.
1533A	2" x 1 1/16", Forming Tools	"	1 "	do.	*0	2 9 1/2	Search & Houston Pty. Ltd.
1533B	2" x 1 1/16", Forming Tools	"		do.	0	2 9 1/2	Gilbert Lodge & Co. Ltd.
1534	2" x 5/8", Milling Cutter Blades	"	1 "	do.	0	2 10	Coates & Co. Pty. Ltd.
1534A	2" x 5/8", Milling Cutter Blades	"		do.	*0	2 9 1/2	Search & Houston Pty. Ltd.
1534B	2" x 5/8", Milling Cutter Blades	"	1 "	do.	0	2 6 1/2	Gilbert Lodge & Co. Ltd.
1535	2" x 1", Herbert Turret Lathe	"		do.	0	2 10	Coates & Co. Pty. Ltd.
1535A	2" x 1", Herbert Turret Lathe	"	1 "	do.	*0	2 9 1/2	Search & Houston Pty. Ltd.
1535B	2" x 1", Herbert Turret Lathe	"		do.	0	2 6 1/2	Gilbert Lodge & Co. Ltd.

*Less 10 per cent. discount.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.		Name of Contractor.
					£	s. d.	
CAST STEEL ETC.—continued.							
	Steel, Tool, High Speed—18 per cent. Tungsten, "Special Echo," "Toreador Super" or "Premier"— <i>continued.</i>						
1536	2" x 1½", Roughing Tools, Wheel Lathes ..	U.K.	3 cwt.	lb.	0	2 10	Coates & Co. Pty. Ltd.
1536A	2" x 1½", Roughing Tools, Wheel Lathes ..	"		do.	*0	2 9½	Search & Houston Pty. Ltd.
1536B	2" x 1½", Roughing Tools, Wheel Lathes ..	"	1 "	do.	0	2 6½	Gilbert Lodge & Co. Ltd.
1537	2¼" x ⅞", Forming Tools	"		do.	0	2 10	Coates & Co. Pty. Ltd.
1537A	2¼" x ⅞", Forming Tools	"	3 "	do.	*0	2 9½	Search & Houston Pty Ltd.
1537B	2¼" x ⅞", Forming Tools	"		do.	0	2 9½	Gilbert Lodge & Co. Ltd.
1538	2¼" x 1¼", Forming Tools, Sellars Lathes ..	"	3 "	do.	0	2 10	Coates & Co. Pty. Ltd.
1538A	2¼" x 1¼", Forming Tools, Sellars Lathes ..	"		do.	*0	2 9½	Search & Houston Pty. Ltd.
1538B	2¼" x 1¼", Forming Tools, Sellars Lathes ..	"	3 "	do.	0	2 6½	Gilbert Lodge & Co. Ltd.
1539	3" x 1¼", Forming Tools	"		do.	0	2 10	Coates & Co. Pty. Ltd.
1539A	3" x 1¼", Forming Tools	"	5 "	do.	*0	2 9½	Search & Houston Pty. Ltd.
1539B	3" x 1¼", Forming Tools	"		do.	0	2 6½	Gilbert Lodge & Co. Ltd.
1540	3" x 1½", Roughing Tools, North Melb. ..	"	5 "	do.	0	2 10	Coates & Co. Pty. Ltd.
1540A	3" x 1½", Roughing Tools, North Melb. ..	"		do.	*0	2 9½	Search & Houston Pty. Ltd.
1540B	3" x 1½", Roughing Tools, North Melbourne	"	5 "	do.	0	2 6½	Gilbert Lodge & Co. Ltd.
1541	3" x 2", Roughing Tools	"		do.	0	2 10	Coates & Co. Pty. Ltd.
1541A	3" x 2", Roughing Tools	"	5 "	do.	*0	2 9½	Search & Houston Pty. Ltd.
1541B	3" x 2", Roughing Tools	"		do.	0	2 6½	Gilbert Lodge & Co. Ltd.
1542	3¼" x 1½", Forming Tools, Putnam Lathes	"	5 "	do.	0	2 10	Coates & Co. Pty. Ltd.
1542A	3¼" x 1½", Forming Tools, Putnam Lathes	"		do.	*0	2 9½	Search & Houston Pty. Ltd.
1542B	3¼" x 1½", Forming Tools, Putnam Lathes	"		do.	0	2 6½	Gilbert Lodge & Co. Ltd.
	Steel, Tap, Non-shrinking, for Drills, Taps, and Reamers—						
1543	1" round		1	do.	..	} Nil	
1544	1" "		1	do.	..		
1545	1" "		1	do.	..		
1546	1" "		1	do.	..		
1547	1" "		1	do.	..		
1548	1" "		5	do.	..		
1549	1" "		5	do.	..		
1550	1" "		8	do.	..		
1551	1" "		8	do.	..		
1552	1" "		8	do.	..		
	Steel, Feather Edge, Drill—						
1553	1½" x 3"	U.K.	10 "	cwt.	1	12 0	} E. Duckett & Sons
1554	1½" x 3"	"		do.	1	12 0	
1555	1½" x 3"	"	20 "	do.	1	12 0	} Gilbert Lodge & Co. Ltd.
1556	1½" x 3"	"		do.	1	12 0	
1556A	Steel, Hexagon, Hollow Drill, ¾"	"		lb.	0	0 5½	

* Less 10 per cent.

STEEL.

DOGSPIKE STEEL (Item No. 1557).

Quality of Material and Finish.—All the Mild Steel shall be a good tough Steel presenting a good uniform fracture when broken, free from scale, laminations, and imperfections of every kind. The bars shall be clean in the skin, rolled true to form, and of a minimum length of 18 feet.

Tensile Test.—The manufactured bars shall be capable of withstanding a tensile test of from 28 to 33 tons per square inch, with an elongation immediately before fracture of not less than 20 per cent. of the original length of 8 inches on a standard test bar of 5/16 inch diameter.

Bend Test.—The manufactured bars shall be capable, when cold, of withstanding being doubled over until the internal radius is not greater than 1½ times the thickness of test piece, and the sides are parallel.

Variation in Size.—The manufactured bars shall be as near as possible the exact size, viz., 7/8 inch round, and the maximum permissible variation in the size of the bars from the specified bars shall not exceed one sixty-fourth of an inch.

FISHBOLT AND NUT STEEL (Items 1558 to 1563).

Material and Finish.—The Fishbolt and Nut Steel shall be of a specially good uniform quality, free from all imperfections, rolled true to section, perfectly cylindrical, and with a clean finish. All bars shall have the cast and bad ends cut off.

Tests.—Each and every 10 tons of steel or portion of 10 tons, delivered under this Contract shall comply with the following tests, namely:—

STEEL—continued.

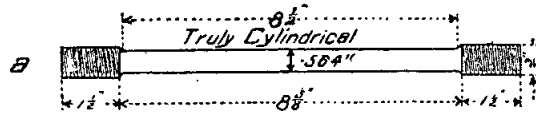
NUT STEEL.

Test bars of the shapes and dimensions shown by the following sketches, marked respectively "a" and "b," may be prepared by the Corporation from each and every 10 tons or portion of 10 tons of the Nut Steel delivered under this Contract, and every such test bar as per sketch "a" shall withstand a tensile stress of from 23 to 33 tons per square inch, with an elongation immediately before fracture of not less than 20 per centum of the original length of 8 inches, and every such test bar as per sketch "b" shall, without showing any sign of fracture, withstand being bent double when cold.

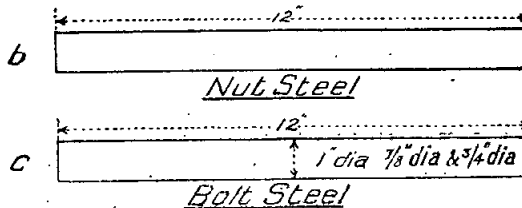
BOLT STEEL.

Test bars of the shapes and dimensions shown by the following sketches, marked respectively "a" and "c," may be prepared by the Corporation from each and every 10 tons or portion of 10 tons of the Bolt Steel delivered under this Contract, and every such test bar as per sketch "a" shall withstand a tensile stress of not less than 35 tons per square inch, with an elongation immediately before fracture of not less than 15 per centum of the original length of 8 inches, and every such test bar as per sketch "c" shall, without showing any sign of fracture, withstand being bent when cold to an angle of 135 degrees over a bar of not more than 1 inch in diameter.

— TENSILE —



— BENDING —



Rejection.—In the event of any test bar aforesaid failing to withstand or fulfil to the satisfaction of the Chief Storekeeper or the Receiving Officer the tests herein specified, then, in every such event, the whole or any portion of the particular lot of steel from which the steel for which such test bar so failing was obtained shall be liable to rejection.

Variation of Size.—The whole of the material ordered shall be of the same sizes, viz.: Fishbolt Steel $\frac{3}{4}$ in., $\frac{1}{2}$ in., and 1 in. dia., and Nut Steel $1\frac{1}{2}$ in. x $\frac{3}{4}$ in., $1\frac{1}{4}$ in. x $\frac{3}{4}$ in., and $1\frac{3}{8}$ in. x $1\frac{3}{8}$ in. respectively, and the maximum permissible variation in the sizes of the bars from the specified sizes shall not exceed one sixty-fourth of an inch.

MILD STEEL (Items 1564 to 1571, and 1574 to 1623).

The Sections and Bars and Rivet Steel shall be manufactured from Steel made by an improved process, and Steel required for the Rolling Stock Branch shall comply in every particular with the requirements of the British Standard Specification No. 17 of Report No. 24, and that required for the Way and Works and other branches shall comply with British Standard Specification No. 15, or for both branches with the Australian Commonwealth Engineers' Standard Association Specification No. A.1—1925, T. In the latter cases the Steel shall be of the process of manufacture "A".

Rejection.—Should the material fail to comply in every particular with the above conditions, the lot from which the test pieces were selected shall be rejected.

In the case of all Angle Steel referred to in the Schedule, the word "side" shall mean side as indicated for Angles, thus:—



All angles supplied under this contract shall be rolled straight.

All Mild Steel, round, square, and flat, shall, prior to delivery, be clearly and durably painted on each end with Blue paint, by and at the expense of the Contractor.

Every Bar of Rivet Steel shall, prior to delivery, be clearly and durably painted on each end with Green paint, by and at the expense of the Contractor.

MILD STEEL (CHANNEL AND FISHPLATE SECTION) (Items 1572 and 1573).

Quality of Material.—The Sections shall be manufactured from Steel made by an approved process, and shall comply in every particular with the requirements of British Standard Specification No. 15 of Report No. 24. As regards Items 1572 and 1573, each length of Mild Steel (Channel Section) shall be straight.

Rejection.—Should the material fail to comply in every particular with the above conditions, the lot from which the test pieces were selected shall be rejected.

SPRING STEEL (Items 1650 to 1669).

(See also notes on next page to be read in conjunction.)

The samples exhibited by the Corporation for Items 1650 to 1653 are samples as regards shape only.

(a) Quality of Material.—The bars shall be manufactured from Steel of the highest quality made by an approved process and from the best selected material. The bars on analysis shall conform to the following:—

<i>Flat Bars for Laminated Springs.</i>		} <i>Round, Rectangular, and Flat Bars for Volute and Helical Springs.</i>	
Carbon—	.5 to .6 per cent.		
Manganese—	.7 to .8 per cent.	Carbon—	.85 to .95 per cent.
Sulphur } Not more than	.05 per cent.	Manganese—	.55 to .70 per cent.
Phosphorus }		Sulphur }	Not more than .05 per cent.
		Phosphorus }	

SPRING STEEL—*continued.*

The Contractor shall at his own expense supply a chemical analysis of each cast of steel represented in each delivery under each and every item, and such analysis sheets shall be forwarded with the delivery dockets.

From each delivery bars will be selected at random at the rate of 1 bar for each 25 bars delivered and analyzed in the Corporation's Laboratory. In the event of any bar failing to comply with the Specification in every respect, the whole of the 25 bars which it represents will be rejected.

(b) Freedom from Defects.—The steel bars when rolled shall be perfectly smooth on their surfaces and free from roaks, laps, guide marks, rough edges, or any other defects, true to section, and finished in a workmanlike manner. In the flat bars for laminated springs a concavity of 1/64th inch shall be rolled on each side.

(c) Weight.—All the bars, both round and flat, shall stand up to the dimensions as ordered. An allowance of 2 per cent. in the weight of the bars over the calculated weight shall be permitted and paid for; but any bars under the calculated weight shall be rejected. Bars may be accepted up to 4 per cent. above the calculated weight, but nothing over the 2 per cent. allowance shall be paid for.

(d) Branding.—Each bar shall be stamped with the manufacturer's name, date of manufacture, and cast number.

(e) Mechanical Tests.—Test pieces to the extent of 3 per cent. of the bars from each cast shall be tested, and shall comply with the following tests:—

(f) Cambering Test for Flat Bars for Laminated Springs.—Pieces of flat bars 30 inches long shall be cambered to a radius of 80 times their thickness, hardened and tempered, and, after being pressed straight once and the camber carefully noted, must stand being pressed straight again six times in quick succession without showing any permanent set.

(g) Brinell Test.—The flat steel bars for laminated springs, as delivered, shall show a Brinell hardness of not more than 212.

(h) The round, rectangular, and flat bars for volute and helical springs shall be capable of being hardened in oil.

(i) Rejection.—Should the material fail to comply in every particular with the above conditions, the lot from which the test pieces were selected shall be rejected.

The flat bars for laminated springs shall, prior to delivery, be clearly and durably painted on each end with Yellow paint by and at the expense of the Contractor. The round, rectangular, and flat bars for volute and helical springs shall, prior to delivery, be clearly and durably painted on each end with Purple paint by and at the expense of the Contractor.

Acceptance of the tenders is subject to the following conditions:—

The contract with the Broken Hill Pty. Co. Ltd. is for delivery c.i.f. Melbourne.

The contract with the Victoria Iron Rolling Co. Pty. Ltd. is for delivery in trucks at Little Brooklyn.

The contract with Cammell, Laird and Co. Ltd. is for delivery at Spencer-street, and the rate includes wharfage.

The contract with McPhersons Pty. Ltd. for Spring Steel is exclusive of wharfage dues.

The rates tendered by the Lion Rolling Mills Pty. Ltd. and the Victoria Iron Rolling Co. Pty. Ltd. are subject to adjustment by mutual arrangement with the Chief Storekeeper and the Contractors should there be any decrease in the working hours or any alteration in wages due to Arbitration Court Awards or should there be any alteration in the market rates of Broken Hill Pty. Co. Ltd. Mild Steel Blooms and Billets, plus 10 per cent. for waste.

It will be noted that four tenders have been accepted for certain items of Spring Steel, three for Australian manufacture and one for British. Orders are to be placed on the British manufacturer until such time as it has been proved by the Australian manufacturers that they can produce a steel suitable for Departmental requirements. In this connexion, orders should be placed on each of the Australian manufacturers as may be directed by the Chief Mechanical Engineer, and the result of test obtained will determine whether any further orders are to be placed on Cammell, Laird and Co. Ltd. during the currency of the contracts.

The contract with McPhersons Pty. Ltd. as agents for Hoskins Iron and Steel Co. Ltd. is subject to the following conditions:—

(a) Works weights will be accepted provided the full number of bars are received at Newport.

(b) Test bars from each cast should be despatched to Melbourne after the material has been rolled for approval by the Department before despatching the bulk of the order, it being understood that this inspection will not preclude the Corporation from rejecting if not delivered in good order and condition and otherwise in accordance with the Specifications. Free wharfage to be arranged for.

The Stores Overseer will make these arrangements when placing orders on McPhersons Pty. Ltd.

The contract with the Broken Hill Pty. Co. Ltd. is subject to the following conditions:—

(a) The contract provides that Works inspection and tests shall be accepted for Dogspike, Fishbolt, Nut, and Rivet Steel, and Works certificates shall be supplied to the Chief Storekeeper for each delivery. Bars are subjected to test and conditions of testing and number of tests as laid down in the Australian Standard Specifications for Structural Steel No. A.1925T.

(b) The Dogspike Steel is to be ordered in 100-ton lots (minimum).

(c) The cutting and rolling tolerances as specified hereunder are agreed to—

Cutting	.. .. .	.. 2" over, nothing under.
Rolling—Dogspike, Rivet, and Fishbolt Steel	.. .. .	.. 1/64", plus or minus normal sections.
Rolling—Nut Steel	.. .. .	.. 1/32", plus or minus normal sections.

(d) As regards Items Nos. 1558 to 1569 and for Spring Steel, orders are to be placed in such a way as to make reasonable rolling tonnages.

(e) Works weights to be accepted provided the full number of bars is delivered.

(f) As regards Spring Steel, the Department does not propose to have the material tested at the Company's works at Newcastle, but the Company will carry out their own tests prior to shipment, and on receipt at Newport the Department will conduct its test, and the Company agrees to the rejection if the material be found to vary from the Specification.

(g) In the event of any of the Steel delivered by this Company after delivery at Newport being found to be faulty or not in accordance with the Specifications, the Contracting Company agrees to replace same free of charge to the Department c.i.f. Melbourne.

Contract with Cammell, Laird and Co. Ltd. is subject to the following conditions:—

(a) Sufficient time for importation, viz., ten weeks, should be allowed, and as the rate includes wharfage, the bill of lading for each shipment should be made out in favour of the Victorian Railways Commissioners and handed to the Chief Storekeeper to arrange clearance of wharfage and deduct the amount involved from the Contractor's invoice. Should there be any variation in the present rate of duty, such variation shall be to the Department's account in accordance with Clause 5 of the Conditions of Contract.

(b) The contract includes all usual railway sizes.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.	
					£ s. d.		
STEEL—continued.							
DOGSPIKE STEEL.							
1557	Steel, Dogspike, Bar, $\frac{3}{4}$ " round, in 18' to 20' lengths, the maximum permissible variation not to exceed $\frac{1}{64}$ "	Aust.	1,200 tons	ton	13 0 0	Broken Hill Pty. Co. Ltd.	
FISHBOLT AND NUT STEEL, IN 18'-20' LENGTHS.							
1558	Steel, Fishbolt— $\frac{3}{4}$ " diameter	Aust.	25 "	do.	13 0 0		
1559	$\frac{7}{8}$ " diameter	"	350 "	do.	13 0 0		
1560	1" diameter	"	250 "	do.	13 0 0		
1561	Steel, Fishbolt, Nut— $1\frac{1}{4}$ " x $\frac{3}{4}$ ", for manufacture of $\frac{3}{4}$ " nuts ..	"	10 "	do.	13 0 0		
1562	$1\frac{13}{32}$ " x $1\frac{15}{16}$ ", for manufacture of $\frac{7}{8}$ " nuts	"	175 "	do.	13 0 0		
1563	$1\frac{9}{16}$ " x $1\frac{13}{32}$ ", for manufacture of 1" nuts	"	100 "	do.	13 0 0		
MILD STEEL.							
1564	Steel, Rivet, round, in 18'-20' lengths— $\frac{31}{64}$ "	Aust.	100 "	do.	13 10 0		
1565	$\frac{39}{64}$ "	"	50 "	do.	13 10 0		
1566	$\frac{47}{64}$ "	"	100 "	do.	13 10 0		
1567	$\frac{51}{64}$ "	"	40 "	do.	13 10 0		
1568	$\frac{59}{64}$ "	"	40 "	do.	13 10 0		
1569	$\frac{63}{64}$ "	"	20 "	do.	13 10 0		
(Note.—The maximum permissible variation in diameters not to exceed $\frac{1}{64}$ ")							
*1570	Mild Steel, Bevel, Channel, and Fishplate— Bevel, 1" x $\frac{3}{16}$ ", in lengths 17' 8", or lengths to cut 8' 10" without waste	Aust.	20 "	do.	30 0 0		
*1571	Channel, $1\frac{1}{2}$ " x $\frac{1}{16}$ " x $\frac{1}{2}$ " x $\frac{1}{4}$ ", in lengths 17' 4", or lengths to cut 8' 8" without waste	"	30 "	do.	25 0 0		
*1572	Channel, in lengths from 12' to 23' ..	"	75 "	do.	20 10 0		
*1573	Fishplate, for Channel	"	6 "	do.	20 10 0		
Angle of equal and unequal sides of the following sizes, thicknesses, and lengths, advancing by $\frac{1}{32}$ " in thickness—							
1574	1" x 1" x $\frac{3}{16}$ " to $\frac{1}{4}$ " up to 35' long ..	"	600 "	do.	17 0 0	Lion Rolling Mills Pty. Ltd.	
1575	$1\frac{1}{8}$ " x $1\frac{1}{8}$ " x $\frac{3}{16}$ " to $\frac{1}{4}$ " up to 35' long ..	"		do.	17 0 0		
1576	$1\frac{1}{4}$ " x $1\frac{1}{4}$ " x $\frac{1}{4}$ " to $\frac{1}{2}$ " up to 35' long ..	"		do.	17 0 0		
1577	$1\frac{3}{8}$ " x $1\frac{1}{2}$ " x $\frac{1}{2}$ " to $\frac{3}{4}$ " up to 30' long ..	"		do.	17 0 0		
1578	$1\frac{3}{4}$ " x $1\frac{3}{4}$ " x $\frac{1}{2}$ " to $\frac{3}{4}$ " up to 30' long ..	"		do.	17 0 0		
1579	2" x 2" x $\frac{1}{4}$ " to $\frac{1}{2}$ " up to 30' long ..	"		do.	17 0 0		
1580	$2\frac{1}{2}$ " x $2\frac{1}{2}$ " x $\frac{1}{2}$ " to $\frac{3}{4}$ " up to 30' long ..	"		do.	17 0 0		
1581	$2\frac{1}{2}$ " x $2\frac{1}{2}$ " x $\frac{1}{2}$ " to $\frac{3}{4}$ " up to 30' long ..	"		do.	17 0 0		
1582	3" x 3" x $\frac{1}{4}$ " to $\frac{3}{8}$ " up to 30' long ..	"		do.	17 0 0		
1583	$3\frac{1}{2}$ " x $3\frac{1}{2}$ " x $\frac{3}{8}$ " to $\frac{1}{2}$ " up to 30' long ..	"		do.	17 0 0		
1584	4" x 4" x $\frac{1}{4}$ " to $\frac{3}{8}$ " up to 25' long ..	"		do.	17 0 0		
1585	$1\frac{1}{2}$ " x 1" x $\frac{1}{4}$ " up to 35' long ..	"		do.	17 0 0		
1586	3" x 2" x $\frac{1}{4}$ " to $\frac{1}{2}$ " up to 35' long ..	"		do.	17 0 0		
1587	3" x $2\frac{1}{2}$ " x $\frac{1}{4}$ " to $\frac{1}{2}$ " up to 35' long ..	"		do.	17 0 0		
1588	$3\frac{1}{2}$ " x 3" x $\frac{3}{8}$ " to $\frac{1}{2}$ " up to 35' long ..	"		do.	17 0 0		
1589	4" x 3" x $\frac{3}{8}$ " to $\frac{1}{2}$ " up to 35' long ..	"	do.	17 0 0			
1590	5" x $2\frac{1}{2}$ " x $\frac{3}{8}$ " to $\frac{1}{2}$ " up to 25' long ..	"	do.	17 0 0			
1591 to 1595	Nil						

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate:	Name of Contractor.
					£ s. d.	
STEEL—continued.						
MILD STEEL—continued.						
Flat, $\frac{1}{4}$ " thickness or over as ordered, from $\frac{3}{8}$ " to 9" wide, of the following thickness and sizes, and any trades lengths, as ordered *(if cut to lengths 10s. per ton extra)—						
1596	$\frac{3}{8}$ " x $\frac{7}{8}$ " to $\frac{1}{2}$ ", advancing by $\frac{1}{32}$ "	Aust.	900 tons	ton	*15 15 0	Lion Rolling Mills Pty. Ltd.
1597	$\frac{7}{8}$ " x $\frac{7}{8}$ " to $\frac{1}{2}$ "	"		do.	*15 15 0	
1598	1" x $\frac{1}{2}$ " to $\frac{3}{8}$ "	"		do.	*15 15 0	
1599	1 $\frac{1}{8}$ " x $\frac{1}{2}$ " to $\frac{3}{8}$ "	"		do.	*15 15 0	
1600	1 $\frac{1}{4}$ " x $\frac{1}{2}$ " to $\frac{3}{8}$ "	"		do.	*15 15 0	
1601	1 $\frac{3}{8}$ " x $\frac{1}{2}$ " to 1"	"		do.	*15 15 0	
1602	1 $\frac{1}{2}$ " x $\frac{1}{2}$ " to 1"	"		do.	*15 15 0	
1603	1 $\frac{3}{4}$ " x $\frac{1}{2}$ " to 1"	"		do.	*15 15 0	
1604	2" x $\frac{1}{2}$ " to 1 $\frac{1}{2}$ "	"		do.	*15 15 0	
1605	2 $\frac{1}{4}$ " x $\frac{1}{2}$ " to 1 $\frac{1}{2}$ "	"		do.	*15 15 0	
1606	2 $\frac{3}{8}$ " x $\frac{1}{2}$ " to 1 $\frac{1}{2}$ "	"		do.	*15 15 0	
1607	3" x $\frac{1}{2}$ " to 2"	"		do.	*15 15 0	
1608	3 $\frac{1}{8}$ " x $\frac{1}{2}$ " to 2"	"		do.	*15 15 0	
1608A	4" x $\frac{1}{2}$ " to 2"	"		do.	*15 15 0	
1609	4 $\frac{1}{2}$ " x $\frac{1}{2}$ " to 2"	"		do.	*15 15 0	
1610	5" x $\frac{1}{2}$ " to 2 $\frac{1}{2}$ "	"	do.	*15 15 0		
1611	5 $\frac{1}{2}$ " x $\frac{1}{2}$ " to 2 $\frac{1}{2}$ "	"	do.	*15 15 0		
1612	6" x $\frac{1}{2}$ " to 2"	"	do.	*15 15 0		
1613	8" x $\frac{1}{2}$ " to 1"	"	do.	*15 15 0		
1614	9" x $\frac{1}{2}$ " to 1"	"	do.	*15 15 0		
1615	Nil					
1615	Flat, 7 $\frac{1}{2}$ " x $\frac{3}{8}$ ", maximum length 7' Round, in trade lengths—	Aust.	100	do.	17 0 0	Lion Rolling Mills Pty. Ltd.
1620	$\frac{1}{4}$ "	200	do.	..	Nil
1621	$\frac{3}{8}$" .. .. .	..		do.	..
1622	Round or Square, as ordered, from $\frac{1}{2}$ " to 3" in thickness or diameter as ordered, advancing by $\frac{1}{16}$ ", any lengths ordered	Aust.	400	do.	15 15 0	Lion Rolling Mills Pty. Ltd.
1623	Round or Square, as ordered, over 3" to 4" in thickness or diameter as ordered, advancing by $\frac{1}{8}$ ", any lengths ordered	U.K.	5	do.	19 0 0	Briscoe & Co. Ltd.
HOOP STEEL.						
Hoop, Black, in the following sizes, "Whitehead's"						
1624	$\frac{1}{16}$ " x 1 $\frac{1}{4}$ " wide	U.K.	40	do.	15 17 6	E. Duckett & Sons
1625	$\frac{1}{8}$ " x 3" wide	"		do.	14 17 6	
1626	10 gauge x $\frac{3}{8}$ " wide	"		do.	14 17 6	
1627	10 gauge x 1" wide	"		do.	18 7 6	
1628	10 gauge x 1 $\frac{1}{4}$ " wide	"		do.	18 7 6	
1629	10 gauge x 1 $\frac{1}{2}$ " wide	"		do.	18 7 6	
1630	10 gauge x 1 $\frac{3}{4}$ " wide	"		do.	18 7 6	
1631	10 gauge x 2 $\frac{1}{4}$ " wide	"		do.	18 7 6	
1632	12 gauge x 1 $\frac{1}{2}$ " wide	"		do.	14 17 6	
1633	12 gauge x 1 $\frac{3}{4}$ " wide	"		do.	14 17 6	
Hoop, Galvanized, in any of the following sizes, as ordered, "Whitehead's"—						
1634	1" x 20, 18 or 16 gauge; 1 $\frac{1}{2}$ " x 14 or 16 gauge; 1 $\frac{3}{4}$ " x 16 or 12 gauge; 2" x 16 gauge; 2 $\frac{1}{2}$ " x 16 or 10 gauge; 3" x 10 gauge	"	70	do.	25 0 0	
1635	1 $\frac{1}{2}$ " x 10 gauge; 1 $\frac{3}{4}$ " x 10 gauge; 2" x 10 gauge	"		do.	28 0 0	
1636	Nil					
1637	Nil					

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.	
					£ s. d.		
STEEL—continued.							
STEEL, SHEET.							
Sheet—							
1638	12 gauge x 7' x 2' 6" "Lysaghts"	.. Aust.	100 tons	ton	25 0 0	E. Duckett & Sons	
1639	12 gauge x 7' x 3' "	.. "		do.	25 0 0		
1640	14 gauge x 8' x 4' Smith & McLean	.. U.K.		do.	25 0 0		
1641	16 gauge x 6' x 3' "Lysaghts"	.. Aust.		do.	25 0 0		
1642	16 gauge x 8' x 4' Smith & McLean	.. U.K.		do.	25 0 0		
1643	18 gauge x 6' x 3' "Lysaghts"	.. Aust.		do.	26 0 0		
1644	18 gauge x 6' x 4' Smith & McLean	.. U.K.		do.	26 0 0		
1645	20 gauge x 6' x 3' "Lysaghts"	.. Aust.		do.	26 0 0		
1646	24 gauge x 6' x 3' "	.. "		do.	26 15 0		
1647	28 gauge x 8' x 3' "	.. "		do.	28 2 6		
Sheet, Black—							
1648	22 gauge x 6' x 2' "Lysaghts"	.. "	3,000 sheets	do.	26 15 0	E. Duckett & Sons	
1649	22 gauge x 6' x 2' 6" "	.. "	600 "	do.	26 15 0		
SPRING STEEL.							
*1650	Steel, Spring, Flat, Rolled Concave, for the purpose of making laminated springs for engines, carriages, and wagons, any lengths and sizes ordered	Aust.	600 tons	ton	19 17 6	McPhersons Pty. Ltd., as agents for Hoskins Iron & Steel Co. Ltd.	
*1651	Steel Spring, Flat, Rolled Concave, for the purpose of making laminated springs for engines, carriages, and wagons, 18-20 ft. lengths, 3" to 5" x $\frac{3}{8}$ " to $\frac{5}{8}$ " thick	"		do.	20 0 0	Broken Hill Pty. Co. Ltd. c.i.f. Melb.	
*1652	Steel, Spring, Flat, Rolled Concave, for the purpose of making laminated springs for engines, carriages, and wagons, any lengths and sizes ordered, not less than $\frac{1}{4}$ " thick or $1\frac{1}{2}$ " wide	"		do.	20 0 0	Victoria Iron Rolling Co. Pty. Ltd.	
*1653	Steel, Spring, Flat, Rolled Concave, for the purpose of making laminated springs for engines, carriages, and wagons, any usual railway lengths and sizes ordered	U.K.		do.	17 15 0	Cammell, Laird, & Co. Ltd.	
1654	Steel, Spring, Flat, for the purpose of making volute springs for engines, carriages, and wagons, any lengths and sizes ordered	Aust.		do.	20 7 6	McPhersons Pty. Ltd., as agents for Hoskins Iron & Steel Co. Ltd.	
1655	Steel Spring, Flat, for the purpose of making volute springs for engines, carriages, and wagons, 18-20 ft. lengths, 3" to 5" x $\frac{3}{8}$ " to $\frac{5}{8}$ " thick	"		do.	20 10 0	Broken Hill Pty. Co. Ltd. c.i.f. Melb.	
1656	Steel, Spring, Flat, for the purpose of making volute springs for engines, carriages, and wagons, any lengths and sizes ordered, not less than $\frac{1}{4}$ " thick or $1\frac{1}{2}$ " wide	"		do.	22 0 0	Victoria Iron Rolling Co. Pty. Ltd.	
1656A	Steel, Spring, Flat, for the purpose of making volute springs for engines, carriages, and wagons, any usual railway lengths and sizes ordered	U.K.		do.	18 15 0	Cammell, Laird, & Co. Ltd.	
1657	Steel, Spring, Round, in bars of any size ordered, excepting $\frac{3}{8}$ " and $\frac{7}{16}$ ", and cut to any lengths ordered	Aust.		220 "	do.	20 7 6	McPhersons Pty. Ltd., as agents for Hoskins Iron & Steel Co. Ltd.
1658	Steel, Spring, Round, in bars $\frac{3}{8}$ " and $\frac{7}{16}$ ", and cut to any lengths ordered	"			do.	20 17 6	
1659	Steel, Spring, Round, in bars of any size ordered, in 18-20 ft. lengths	"	do.		20 10 0	Broken Hill Pty. Co. Ltd. c.i.f. Melb.	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
STEEL—continued.								
1660	Steel, Spring, Round, in bars of any size ordered, and cut to any lengths ordered, not less than $\frac{1}{8}$ " round	Aust.		ton	22	10	0	Victoria Iron Rolling Co. Pty. Ltd.
1661	Steel, Spring, Round, in bars any usual railway size, and cut to any lengths ordered	U.K.		do.	19	15	0	Cammell, Laird, & Co. Ltd.
1662	Nil.							
	Steel, Spring, Round, in coils—							
1663	$\frac{1}{4}$ " diameter	"	5 tons	do.	24	15	0	Cammell, Laird, & Co. Ltd.
1664	$\frac{3}{8}$ " diameter	"		do.	24	15	0	
1665	$\frac{1}{2}$ " diameter	"		do.	24	15	0	
1666	$\frac{3}{4}$ " diameter	"		do.	24	15	0	
	Steel Spring, Volute, in any lengths ordered—							
1667	$1\frac{1}{2}$ " x $1\frac{1}{2}$ " x $1\frac{3}{16}$ "	Aust.	60 "	do.	20	7	6	McPhersons Pty. Ltd., as agents for Hoskins Iron & Steel Co. Ltd.
1668	$1\frac{3}{4}$ " x $1\frac{1}{2}$ " x $1\frac{3}{16}$ "	"		do.	22	0	0	Victoria Iron Rolling Co. Pty. Ltd.
1669	$1\frac{1}{2}$ " x $1\frac{1}{4}$ " x $1\frac{3}{16}$ "	U.K.		do.	21	5	0	Cammell, Laird & Co. Ltd.
1670 to 1672	Nil.							

SHAFTING.

The shafting shall be supplied straight and true.

The measurement of the Bright Rolled Hexagon Shafting provided under Items 1696 to 1703 inclusive is the diameter across the flat.

The rates tendered include wharfage, and in the event of time for importation being allowed, wharfage will be cleared by the Corporation and the amount involved deducted from the Contractor's invoice. Bills of lading shall be made out in favour of the Victorian Railways Commissioners to enable this to be done.

Name of Manufacturer—

Items 1673-1695—H. V. McKay Ltd.

Items 1696-1703—Kirkstall Forge Co. Ltd.

Shafting, Bright, Rolled, Round—								
1673	$\frac{1}{8}$ " diameter	Aust.	6 cwt.	cwt.	2	1	0	E. Duckett & Sons
1674	$\frac{1}{4}$ "	"	14 "	do.	1	19	9	
1675	$\frac{3}{8}$ "	"	10 "	do.	1	14	9	
1676	$\frac{1}{2}$ "	"	22 "	do.	1	12	9	
1677	$\frac{3}{4}$ "	"	20 "	do.	1	9	9	
1678	$1\frac{1}{8}$ "	"	2 "	do.	1	9	9	
1679	$1\frac{1}{4}$ "	"	4 "	do.	1	8	9	
1680	$1\frac{3}{8}$ "	"	38 "	do.	1	7	0	
1681	$1\frac{1}{2}$ "	"	24 "	do.	1	7	0	
1682	$1\frac{3}{4}$ "	"	60 "	do.	1	4	9	
1683	$1\frac{1}{2}$ "	"	120 "	do.	1	4	9	
1684	$1\frac{1}{4}$ "	"	130 "	do.	1	4	9	
1685	$1\frac{3}{8}$ "	"	60 "	do.	1	4	9	
1686	$1\frac{1}{2}$ "	"	70 "	do.	1	4	9	
1687	$1\frac{3}{4}$ "	"	100 "	do.	1	4	9	
1688	2"	"	70 "	do.	1	4	9	
1689	$2\frac{1}{16}$ "	"	20 "	do.	1	4	9	
1690	$2\frac{1}{8}$ "	"	15 "	do.	1	4	9	
1691	$2\frac{1}{4}$ "	"	10 "	do.	1	4	9	
1692	$2\frac{1}{2}$ "	"	3 "	do.	1	4	9	
1693	3"	"	4 "	do.	1	4	9	
1694	$3\frac{1}{4}$ "	"	20 "	do.	1	4	9	
1695	$3\frac{1}{2}$ "	"	2 "	do.	1	4	9	
Shafting, Bright, Rolled Hexagon—								
1696	.703 for $\frac{3}{8}$ " nuts	U.K.	2 "	do.	1	7	3	
1697	.906 for $\frac{1}{2}$ " nuts	"	40 "	do.	1	5	3	
1698	1.103 for $\frac{5}{8}$ " nuts	"	72 "	do.	1	5	3	
1699	1.297 for $\frac{3}{4}$ " nuts	"	74 "	do.	1	5	3	
1700	1.484 for $\frac{7}{8}$ " nuts	"	140 "	do.	1	5	3	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
SHAFTING—continued.								
1701	1·671 for 1" nuts	U.K.	10 cwt.	cwt.	1	5	3	} E. Duckett & Sons
1702	1·859 for 1½" nuts	"	10 "	do.	1	5	3	
1703	2·046 for 1½" nuts	"	10 "	do.	1	5	3	
1704	} Nil							
to 1706								

CHAIN (VARIOUS).

The Chain supplied under Items 1707 to 1708 shall be what is known as "close link."

As regards Items 1709 to 1712 the links shall be of uniform shape and size, neatly and perfectly welded, so that the correct form is preserved throughout.

The Chain under Items 1707 to 1708 shall be supplied in lengths up to 200 feet, as ordered and accompanied by a Proof Certificate from a public testing machine licensed by the Board of Trade. The Chain supplied under Items 1709 to 1712 shall be accompanied by a Proof Certificate from a public testing machine and be supplied in lengths as ordered.

The Proof Load of the Chain under Items Nos. 1707-1708 and 1711 shall be 15 per cent. over the Admiralty Test, and that to be supplied under Items Nos. 1709, 1710, and 1712 shall be at least equal to that required by the British Admiralty, and the certificate to be furnished shall be in accordance with the same.

Name of Manufacturer—

Items Nos. 1707-1707B, 1711—Columbus McKinnon Chain Co.

Items Nos. 1709, 1710, and 1712—American Chain Co.

Item No. 1708—Hingley.

		Chain, Iron, Wrought, "Best Best," Short Link Crane, self coloured—						
1707	} Nil	Canada	56 cwt.	cwt.	2	3	0	} Inglis, Smith & Co.
1707A				do.	2	2	0	
1707B				do.	2	11	0	
1708		U.K.	200 "	do.	3	17	6	Briscoe & Co. Ltd.
		Chain, Iron, Wrought, Short Link Coil, self coloured—						
1709	} Nil	U.S.A.	24 cwt.	cwt.	2	15	0	} Hardware Co. of Aust. Pty. Ltd.
1710		"	40 "	do.	2	8	9	
1711		Canada	20 "	do.	2	6	6	} Inglis Smith & Co. Hardware Co. of Aust. Pty. Ltd.
1712		U.S.A.	50 "	do.	2	2	6	

WIRE ROPE (ONE YEAR ONLY).

The Steel Wire Rope shall be special, flexible, galvanized, and the Rope for lifting cranes shall conform to the following specification in respect to the undermentioned items:—

Item No.	Circum.	No. of Strands.	No. of Wires per Strand.	Aggregate Breaking Strength of Rope.
1727	1"	6	24	About 3·3 tons
1728	1½"	6	24	" 4·0 "
1729	1½"	6	24	" 6·8 "
1730	1½"	6	24	" 9·7 "
1731	2½"	6	24	" 12·4 "
1732	2½"	6	24	" 16·2 "
1733	2½"	6	24	" 19·7 "

Name of Manufacturer—

Items Nos. 1715 to 1733.—Austn. Wire Rope Works Ltd., Newcastle, N.S.W.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
WIRE ROPE (ONE YEAR ONLY)—continued.						
Rope, Steel Wire, Special, flexible, galvanized, 6 strands, 19 wires per strand—						
	Circum.	Aggregate Breaking Strength of Rope.				
1715	3/8"	59 Tons ..	Aust.	1,000 feet	foot	0 0 2
1716	1/2"	82 " ..	"	5,000 "	do.	0 0 2
1717	3/4"	1.2 " ..	"	6,000 "	do.	0 0 2 1/2
1718	1"	1.8 " ..	"	1,500 "	do.	0 0 2 1/2
1719	1 1/4"	3.3 " ..	"	500 "	do.	0 0 2 1/2
1720	1 1/2"	5.1 " ..	"	400 "	do.	0 0 2 1/2
1721	1 3/4"	7.3 " ..	"	500 "	do.	0 0 3 1/2
1722	2"	9.8 " ..	"	50 "	do.	0 0 4 1/2
1723	2 1/4"	13.4 " ..	"	50 "	do.	0 0 5 1/2
1724	2 1/2"	17.5 " ..	"	50 "	do.	0 0 6 1/2
1725	2 3/4"	20.6 " ..	"	200 "	do.	0 0 7 1/2
1726	2 1/2"	6 strand, 12 wires per strand, for tail ropes	"	2,500 "	do.	0 0 5
Rope, Steel Wire, Special, flexible, galvanized, 6 strands, 24 wires per strand—						
	Circum.	Aggregate Breaking Strength of Rope.				
1727	1"	3.3 Tons ..	"	3,000 "	do.	0 0 3
1728	1 1/4"	4.9 " ..	"	1,500 "	do.	0 0 3 1/2
1729	1 1/2"	6.8 " ..	"	3,000 "	do.	0 0 3 3/4
1730	1 3/4"	9.7 " ..	"	700 "	do.	0 0 5
1731	2"	12.4 " ..	"	1,000 "	do.	0 0 5 1/2
1732	2 1/4"	16.2 " ..	"	2,500 "	do.	0 0 6 1/2
1733	2 1/2"	19.7 " ..	"	4,000 "	do.	0 0 7
1734		Rope, Steel Wire, flexible, 21 gauge (seizing wire)	U.K.	250 "	do.	0 0 0 1/2
1735 to 1736	Nil					

B. K. Morton Pty. Ltd.

George Russell Pty. Ltd.

WIRE (IRON AND STEEL).

BLACK STEEL WIRE.—Item No. 1747.

The Mild Steel Wire under Item 1747 shall be of the best quality mild steel, and shall be free from rust and defects of any kind.

A test piece of the Wire must withstand, without fracture, being doubled over, cold, until the internal radius is not greater than 1 1/2 times the thickness of the test piece and the sides are parallel.

The Wire shall be supplied in coils.

STEEL STRANDED SIGNAL WIRE.—Item No. 1748.

The Signal Wire under Item 1748 shall be seven strand, made of the best low carbon steel, 17 B.W.G. It shall be tough and close grained, free from scale, inequalities, flaws, and other defects, uniformly cylindrical, and of the size specified.

The Wire is to be delivered in coils, weighing about 1 cwt. each, and each coil shall be continuous in length, and without any joints in the strands. The lay of the strands is to be the same as that of the sample.

The wire shall be well galvanized with zinc spelter, and shall be capable of withstanding the undermentioned tests:—

TESTS.

Tension.—The breaking strength of the wire shall be not less than 2,000 lb. nor more than 2,300 lb.

Galvanizing.—The galvanizing shall be such that when the Wire is unstranded each strand shall withstand bending around a cylinder having a diameter of one-quarter of an inch, and afterwards straightening without showing any signs of the zinc cracking or peeling off.

SPECIFICATION FOR GALVANIZED STEEL STRANDED WIRE.—Item No. 1749.

Each length of Wire shall be free from splices, and should it be necessary to weld joints in individual strands, the welded joints shall be as strong as the rest of the Wire. Each strand shall be smoothly galvanized, and the mechanical properties of the steel shall not be adversely affected by this process.

Tests.—A sample of Wire from each drum may be taken at the option of the Chief Storekeeper or his representative and subjected to the following tests.— In the event of a sample of Wire from any drum not passing these tests, a second and third sample shall be taken from the same drum, and if one of these also fails under test, the drum from which it was taken shall be rejected. The Wire shall stand up to a minimum breaking stress of 45 tons per square inch with an elongation of not less than 3% in a length of 10 inches at the breaking stress.

SPECIFICATION FOR GALVANIZED STEEL STRANDED WIRE, ETC.—continued.

Galvanizing.—The quality of galvanizing will be tested by immersing sample strands of the Wire in a freshly made neutral solution of sulphate of copper saturated at 60° F. and allowing them to remain in the solution for one minute, after which they will be withdrawn and wiped clean.

The galvanizing shall admit of this process being performed four times with each sample without there being any sign of a reddish deposit of metallic copper on the Wire.

Not more than three pieces of Wire are to be immersed in the solution at one and the same time.

The galvanized strands of the Wire shall bear winding round a bar 1½ inches in diameter without the galvanized surface showing signs of cracking.

Contractor to be given Notice of Tests.—Any tests necessary to ascertain whether the Wire supplied complies with this Specification will be carried out by the Chief Storekeeper or his representative. The Contractor will be notified at his Melbourne address of the intention to carry out such tests and at what place they will be carried out, 24 hours previously, but should the Contractor or his representative fail to be present the tests may be carried out in his absence at his risk.

How Delivered.—The Wire shall be delivered on drums. The dimensions of the drums shall not exceed the figures given on the accompanying Drawing No. 4051; an iron plate 15 inches x 15 inches x ¼ inch thick is required to reinforce each side of the drum, and to which it must be bolted. A 3-inch clearance hole shall be made in both the drum and the plate to take a 3-inch square spindle. The gross and net weights also number of feet on drum shall be stencilled on the drum in figures which should not be less than 1½ inches high.

FENCING WIRE.—Items Nos. 1750 and 1751.

In the case of Fencing Wire required for delivery other than at the Metropolitan Receiving Depot, the Contractor will require to have the same weighed on one of the Weighbridges at the Spencer-street Goods Sheds, and attach to his Delivery Docket a copy of the Weighbridge Ticket, showing the number of coils and weight of Wire delivered. The cost of weighing and Weighbridge Ticket shall be borne by the Contractor.

SPECIFICATION FOR GALVANIZED IRON WIRE.—Items Nos. 1752 and 1753.

A "piece" shall be understood to mean a single length of Wire without weld, joint, or splice of any description either before being drawn or in the finished Wire.

A "coil" shall be held to mean a piece of Wire in the form of a coil.

A "bundle" one coil, or two or more coils properly bound together.

A "parcel" any quantity of manufactured Wire presented for examination and testing at any one time.

A "mil" is the one-thousandth part of an inch.

The standard ohm is the unit of resistance adopted by the British Board of Trade, and legalized by the British Order in Council of 23rd August, 1894.

The Wire shall be of mild homogeneous iron, uniformly annealed, soft, pliable, free from scale, inequalities, flaws, splits, and other defects, uniformly cylindrical, and of the sizes shown in the annexed table.

The Wire shall be drawn in continuous pieces of the weights and diameters given in the annexed table. Each piece must be warranted to contain no weld, joint, or splice whatever, either in the rod before it is drawn or in the finished Wire.

The Wire shall be well galvanized with zinc spelter, and this shall be tested by taking samples from any piece or pieces and plunging them into a saturated solution of Sulphate of Copper at 60 degrees Fahr. and allowing them to remain in the solution for one minute, when they are to be withdrawn and wiped clean; the galvanizing shall admit of this process being four times performed with each sample, without there being any sign of a reddish deposit of Metallic Copper on the Wire, which would be the case if the coating of zinc were too thin. Samples taken from any piece or pieces of the several sizes shall also bear bending round a bar of the diameter given below, without any sign of the zinc cracking or peeling off.

		No. 8.		No. 10½.
Weight per mile in lb.	.. .. .	400	..	200
Diameter of bar in inches	.. .. .	1½	..	1¼

To prove its ductility the Wire shall be capable of bearing the number of twists shown in the annexed table without breaking or showing any signs of splitting, or other defect. The test shall be made as follows:—The piece of wire shall be gripped by two vices, one of which shall be free to move longitudinally and twisted by one of the vices being made to revolve at a speed not exceeding one revolution per second, the twists being reckoned by means of an ink mark which forms a helix of the Wire during torsion. The full number of twists shall be distinctly visible between the vices, no fractions being reckoned.

The tensile breaking strength of the Wire shall be tested by means of a lever or other machine which has the approval of the Receiving Officer. The Wire shall at first lift a weight equal to at least nine-tenths (9/10) of the minimum tensile strength shown in the table for the size under trial, and the remaining tenth shall be added gradually.

The electrical resistance of each test piece shall be reduced according to its diameter, and shall be calculated for a temperature of 60 degrees Fahr. The length of such test piece shall not measure less than 1-30th part of an inch.

If the diameter of any test piece be disputed, the Receiving Officer may have such test piece weighed, and if the weight per mile be either more or less than the standard weight the resistance shall not be so high that, when multiplied by the weight per mile, it would exceed the constant shown in the annexed table, and in all cases where the product is greater than this constant, the Wire shall be liable to rejection.

The Wire shall be smoothly and uniformly coiled so that the eye of the coil shall not be less than 6 inches or more than 30 inches in diameter.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	

SPECIFICATION FOR GALVANIZED IRON WIRE, ETC.—*continued.*

Every bundle of Wire shall be weighed separately and the weight (in English pounds avoirdupois), together with the name of the maker, stamped on the metallic label, which shall be provided by the Contractor, the label to be firmly fixed to the inner part of the bundle.

If, after examination of any particular parcel of Wire, 10 per cent. of such Wire does not meet the requirements of all or any of the foregoing stipulations and of the table, the whole of such parcel shall be rejected, and no such parcel or any part thereof shall, on any account, be again presented for examination and testing; and this stipulation shall be deemed to be and treated as an essential condition of the Contract.

TABLE REFERRED TO IN THE FOREGOING SPECIFICATION.

	No. 8.	No. 10½.
Weight per mile	400	200
.. .. . min. lb.	380	190
.. .. . max. lb.	420	210
Diameter	171	121
.. .. . min. mils	167	118
.. .. . max. mils	175	124
Breaking weight	1,200	600
.. .. . min. lb.		
Number of twists in 6 inches	24	30
Number of twists in 6 inches for breaking weight not less than 1,230 lb.	23	28
Number of twists in 6 inches for breaking weight not less than 1,260 lb.	22	26
Resistance per mile of standard size at 60° Fahr.	13·32	26·64
ohms		
Constant, being standard weight by resistance	5·328	5·328
Weight of each piece of coil	90	40
.. .. . min. lb.		
Weight of each piece of coil	120	65
.. .. . max. lb.		
Weight of each bundle	90	80
.. .. . min. lb.		
Weight of each bundle	120	130
.. .. . max. lb.		

As regards Items Nos. 1747, 1749 to 1752, in the event of the material requiring to be imported into the State of Victoria after the order has been placed, the rates shall include wharfage dues of the Melbourne Harbour Trust; but to enable the Corporation to obtain exemption of wharfage, each Bill of Lading should be made out in favour of the Chief Storekeeper of the Victorian Railways. Wharfage will be arranged by the Corporation and the Delivery Order returned to the Contractor in order that delivery may be completed. The amount involved for wharfage will be deducted from the Contractor's invoice.

As regards Items Nos. 1748 and 1753, inspection, testing, and weighing at Contractor's works is required. In this connexion, the New South Wales Railway Department should be requested simultaneously with the placing of an order to arrange for this to be done, and forward certificates to the Chief Storekeeper.

As regards Item No. 1753, the Department agrees to an amendment in the rate of Telegraph Wire should there be any alteration in the bounty now being paid by the Commonwealth Government.

As regards Item No. 1752, the Department agrees, in the event of duty other than 52/- per ton being paid on Telegraph Wire, that same shall be to the Department's account. Documentary evidence of the amount of duty paid should be produced with invoice. Departmental weighbridge weights to be accepted.

WIRE (IRON AND STEEL).

WIRE.								
1737	Wire, Iron, Charcoal, 8 to 16 gauge, as ordered, "Rylands"	Aust.	30 cwt.	cwt.	1	3	0	} Peter Young
1738	" " " Galvanized, 12 gauge, "Rylands"	"	10 "	do.	1	1	0	
1739	Wire, Iron, Galvanized—6 gauge, "Rylands"	"	10 "	do.	1	0	0	Briscoe & Co. Ltd.
†1740	10 " "Rylands" or "Lysaghts"	"	60 "	do.	0	19	0	E. Duckett & Sons
1741	12 " "Rylands"	"	15 "	do.	1	0	0	Premier Wire Works Pty. Ltd.
†1742	14 " "Rylands" or "Lysaghts"	"	20 "	do.	1	1	0	E. Duckett & Sons
1743	15 " "Rylands"	"	5 "	do.	1	3	0	Premier Wire Works Pty. Ltd.
†1744	16 " "Rylands" or "Lysaghts"	"	100 "	do.	1	8	8	E. Duckett & Sons
1745	Wire, Iron, Tinman's, 6 to 14 gauge, as ordered, "Rylands"	"	30 "	do.	0	19	6	Premier Wire Works Pty. Ltd.
1746	" " Tinned, 8 to 18 gauge, as ordered, "Rylands"	U.K.	25 "	do.	1	16	0	Greer & Ashburner
1747	" Mild Steel, Black, 6 gauge, "Rylands" or "Lysaghts"	Aust.	25 tons	ton	18	6	8	E. Duckett & Sons
†1748	" Steel Strand, Signal, Galvanized, 17 B.W.G. x 7-strand	"	10 "	do.	46	0	0	Rylands Bros. (Aust.) Ltd.
1749	" Steel, Galvanized, Stranded, 7/9 S.W.G.	"	20 miles	do.	..	..	..	Nil

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
WIRE (IRON AND STEEL)— <i>continued.</i>						
WIRE— <i>continued.</i>						
1750	Wire, Galvanized, Plain Fencing, 8 gauge, "Rylands" or "Lysaghts"	Aust.	100 tons	ton	16 9 11	E. Duckett & Sons
1751	„ „ Barbed, Fencing, 12 gauge	„	50 „	do.	21 10 0	J. R. Bell & Co.
1752	Wire, Iron, Galvanized, to Specification—400 lb. per mile, "R. Johnson Nephew Ltd."	U.K.	80 „	do.	21 10 0	Baldwins & J.C.M. (Aust.) Pty. Ltd.
1753	200 lb. per mile	Aust.	30 „	do.	24 8 0	Rylands Bros. (Aust.) Ltd.
1754	Nil.				c.i.f. Melb.	

WIRE, WIRE WORK, ETC.

Name of Manufacturer—

Items Nos. 1761 to 1766.—S. Cooke Pty. Ltd.
 Items Nos. 1767, 1769, 1771, 1773, and 1774.—British Insulated Cables Co.
 Items Nos. 1776 and 1779.—Mawhood Bros.
 Item No. 1873.—Rylands.
 Items Nos. 1788 to 1796.—Rollason.

WIRE.

Wire, Brass, Hard or Soft Rolled, as ordered—							
1755	6 gauge	U.K.	28 lb.	lb.	0 1 0	} Melbourne Wire Works	
1756	7 „	„	200 „	do.	0 1 0		
1757	8 „	„	100 „	do.	0 1 0		
1758	9 „	„	40 „	do.	0 1 0		
1759	10 „	„	200 „	do.	0 1 0		
1760	12 „	„	100 „	do.	0 1 0		
1761	13 „	Aust.	40 „	do.	0 1 1½		
1762	14 „	„	100 „	do.	0 1 1½		
1763	16 „	„	28 „	do.	0 1 1½		
1764	17 „	„	28 „	do.	0 1 1½		
1765	18 „	„	50 „	do.	0 1 1½		
1766	¼"	„	500 „	do.	0 1 1½	} E. Duckett & Sons	
Wire, Copper—							
1767	¼"	„	1,000 „	do.	0 1 3		
1768	14 gauge	„	100 „	do.	0 1 3		
1769	15 „	„	200 „	do.	0 1 3½		
1770	16 „	„	1,000 „	do.	0 1 3½		
1771	17 „	„	400 „	do.	0 1 3½		
1772	18 „	„	1,500 „	do.	0 1 4		
1773	19 „	„	112 „	do.	0 1 4		
1774	20 „	„	400 „	do.	0 1 4		
1775	21 „	„	1,000 „	do.	0 1 4½		
Wire, Spring Steel, Hard Drawn—							
1776	2 gauge	U.K.	30 „	do.	0 0 9	Peter Young	
1777	5 „	„	100 „	do.	0 0 7	} Greer & Ashburner	
1778	6 „	„	3,000 „	do.	0 0 6¾		
1779	7 „	„	20 „	do.	0 0 7	Peter Young	
1780	10 „	„	300 „	do.	0 0 7	} Melbourne Wire Works	
1781	12 „	„	500 „	do.	0 0 7½		
1782	14 „	„	50 „	do.	0 0 7½	} Greer & Ashburner	
1783	16 „	„	100 „	do.	0 0 9		
1784	17 „	„	20 „	do.	0 0 9½	Melbourne Wire Works	
1785	18 „	„	40 „	do.	0 0 10	} Greer & Ashburner	
1786	19 „	„	15 „	do.	0 0 11		
1787	20 „	„	15 „	do.	0 0 11	Melbourne Wire Works	
Wire, Steel, Music, Hard or Soft Tempered—							
1788	10 gauge	„	100 „	do.	0 1 11	} Greer & Ashburner	
1789	12 „	„	100 „	do.	0 1 11		
1790	14 „	„	400 „	do.	0 1 11		
1791	16 „	„	1,000 „	do.	0 1 11		
1792	17 „	„	28 „	do.	0 1 11		
1793	18 „	„	84 „	do.	0 1 11		
1794	19 „	„	150 „	do.	0 1 11		
1795	20 „	„	28 „	do.	0 2 0		
1796	22 „	„	50 „	do.	0 2 0		

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per--	Rate.	Name of Contractor.
					£ s. d.	
WIRE, WIRE WORK, ETC.—continued.						
WIRE WORK, ETC.						
	Baskets, Document—					
*1797	Large	Aust.	10	each	0 1 6	Melbourne Wire Works
*1798	Small	"	100	do.	0 1 0	
*1799	Fasteners, Dropper, Fencing	"	250 cwt.	cwt.	1 3 0		J. R. Bell & Co.
	Grips, Spring—					
*1801	A	"	250 gross	gross	0 10 0	F.R.S. Ideal Spring Co. Ltd.
*1802	B	"	150 "	do.	0 11 0	
*1803	W	"	100 "	do.	0 4 3	
	Guards—					
*1804	Galvanized Wire, for Booking Windows ..	"	150 sq. ft.	sq. ft.	0 2 10½	R. E. Walters
*1805	Brass Wire, for Booking Windows ..	"	100 "	do.	0 4 3	Melbourne Wire Works
1806	Mattresses, Wire, 6' 6" x 2' 6" x 3 ply ..	"	150	each	1 4 0	Peter Young
*1807	Nets, Carriage, Hat	"	5,000 sq. ft.	sq. ft.	0 0 8	
†1808	Net, Galvanized, for Window Screens, 1½" mesh, heavy	"	6,000 "	do.	0 0 3½	James Walker
1809	Sieves, Brass, ¼" mesh or less, and any sizes and meshes ordered	"	600 in.	per 1 in. diameter	0 0 4·2	Melbourne Wire Works
1810	" Iron, 22" diameter, ⅛", ¼", or ½" mesh, as ordered	"	4,000 "	do.	0 0 2½	Peter Young
	Springs, Steel, Black—					
*1811	9" x 8 gauge (No. 1)	"	50 gross	gross	1 18 9	F.R.S. Ideal Spring Co. Ltd.
*1812	7" x 9 gauge (No. 2)	"	50 "	do.	1 6 0	
*1813	5" x 8 gauge (No. 3)	"	50 "	do.	1 4 0	
*1814	6" x 12 gauge (No. 4)	"	75 "	do.	0 13 0	
*1815	4" x 8 gauge (No. 5)	"	20 "	do.	1 0 9	
*1816	5" x 14 gauge (No. 6)	"	50 "	do.	0 11 9	
	Wires, Steel, Straight, Coppered, 6 gauge—					
*1817	5' 11½" (No. 1)	"	10 "	do.	..	Nil
*1818	3' 10½" (No. 2)	"	10 "	do.	..	
*1819	3' 7½" (No. 3)	"	12 "	do.	..	
*1820	1' 4½" (No. 4)	"	100 "	do.	..	
*1821	8' 3" (No. 5)	"	10 "	do.	..	
*1822	3' 10½" (No. 6)	"	10 "	do.	..	
*1823	2' 4½" (No. 7)	"	10 "	do.	..	
*1824	5' 11½" (No. 8)	"	10 "	do.	..	
*1825	3' 11½" (No. 9)	"	10 "	do.	..	
*1826	1' 10½" (No. 10)	"	4 "	do.	..	
*1827	1' 4" (No. 11)	"	80 "	do.	..	
*1828	5' 7½" (No. 12)	"	100 "	do.	..	
*1829	5' 10½" (No. 13)	"	4 "	do.	..	
*1830	1' 5" (No. 14)	"	10 "	do.	..	
*1831	7' 11" (No. 15)	"	12 "	do.	..	
*1832	7' 4½" (No. 16)	"	16 "	do.	..	
*1833	3' 10½" (No. 17)	"	6 "	do.	..	
*1834	2' 4" (No. 18)	"	10 "	do.	..	
*1835	3' 8½" (No. 19)	"	10 "	do.	..	
*1836	3' 10½" (No. 20)	"	10 "	do.	..	
*1837	3' 9½" (No. 21)	"	10 "	do.	..	
*1838	2' 4½" (No. 22)	"	10 "	do.	..	
*1839	2' 3½" (No. 23)	"	10 "	do.	..	
*1840	7' 0½" (No. 24)	"	10 "	do.	..	
	Wires, Galvanized Iron, in bundles of 250, for Gerrard Wire Tying Machine—					
1841	12 gauge x 6' 6" lengths	"	100 bundles	bundle of 250	..	Nil
1842	12 gauge x 6' 9" lengths	"	100 "	do.	..	
1843	12 gauge x 3' 9" lengths	"	100 "	do.	..	
*1844	Wires for tying on labels, 9" long ..	Aust.	2,500,000	1,000	0 0 7	Melbourne Wire Works
1845	GATES, Black Iron, tubular frame, 1 inch internal diameter, 8 feet wide hung, folding in two leaves, 5 ft. and 3 ft., 3 ft. 10 in. high, with galvanized chain wire filling, 13 gauge 1½ in. mesh, each mesh of chain wire to be properly tied on to frame and not laced, with all fittings complete; Gate to be painted one coat in colour of Battleship Grey	"	60 sets	set	2 5 0	Peter Young

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
WIRE, WIRE WORK, ETC.—continued.								
WIRE WORK, ETC.—continued.								
†1846	Fabric, Steel, Wire, in rolls or sheets 87" wide, with No. 10 gauge wire, 6" centre to centre transversely and 6" centre to centre longitudinally	Aust.	3,000 l. yds.	l. yd.	0	2	5	Australian Reinforced Concrete Eng. Co. Ltd.
†1847	Netting, Galvanized, Chain Wire, double knuckled— In widths of 3 ft. or 3 ft. 6 in., as ordered, 1½-in. mesh x 12 gauge	"	2,000 s. yds.	sq. yd.	0	1	4	Melbourne Wire Works
†1848	Up to 6 ft. wide, as ordered, 2-in. mesh x 8 gauge	"	150 "	do.	0	2	3	Peter Young
†1849	Up to 6-ft. wide as ordered, 2-in. mesh x 12 gauge	"	400 "	do.	0	1	3	Cyclone Fence & Gate Co. Pty. Ltd.
1850	Netting, Galvanized, any widths ordered— ½" mesh x 20 gauge	"	1,000 "	do.	0	0	11½	E. Duckett & Sons
1851	1½" mesh x 16 gauge	"	4,000 "	do.	0	0	7½	
1852	Netting, Galvanized, 17 gauge-- 1¼" x 36" wide	"	250 l. yds.	l. yd.	0	0	6	
1853	1½" x 42" wide	"	600 "	do.	0	0	5¼	
†1854	Wire, Woven, Galvanized, 16 gauge, ¾" mesh, up to 36" wide, as ordered	"	8,000 sq. ft.	sq. ft.	0	0	6	Peter Young
1855 to 1859	Nil							

GALVANIZED IRONWARE AND TINWARE.

The tanks will require to be carefully and properly loaded into the trucks, and such loading shall be performed by and at the expense of the Contractor.

†1860	Baths, Iron, Galvanized, 24 G., 5' 6", rolled top, with 2" M.M.B.W. pattern plug, washer, and brass chain	Aust.	200	each	1	10	0	W. E. Cash
	Billies, Tin—							
*1861	Quart	Aust.	300	do.	0	1	3	Workshops Manager, Arden-street
*1862	" without lids	"	600	do.	0	1	0	
*1863	½ gallon	"	500	do.	0	2	0	
*1864	½ gallon, without lids	"	1,000	do.	0	1	6	
*1865	1 gallon	"	100	do.	0	2	6	
*1866	1 gallon, without lids	"	700	do.	0	2	0	A. E. & F. Tame
*1867	1 gallon, without lids	"	200	do.	0	12	6	
	Bins, Dust, Galvanized Iron, 17½" x 17½" x 23"	"						
	Bottles, Oil—							
*1868	1 pint	"	1,000	do.	0	1	9	Workshops Manager, Arden-street
*1869	1 quart	"	1,100	do.	0	1	10	
*1870	6 pints, B	"	600	do.	0	3	3	
*1871	6 pints, C	"	500	do.	0	3	3	
	Buckets, Galvanized, strapped sides and bottoms—							
*1872	12"	"	1,000	do.	0	2	0	A. E. & F. Tame
*1873	14"	"	100	do.	0	3	6	
*1874	Cans, Toilet	"	30	do.	0	11	0	Workshops Manager, Arden-street
*1875	" Watering, Galvanized, with rose, 4 gallons	"	50	do.	0	15	0	Radford Co.
	Feeders, Tin—							
*1876	Engine, long spout, 2 pints	"	400	do.	0	5	3	Harvey Shaw & Drake Pty. Ltd.
*1877	Conical, 1 pint	"	80	do.	0	2	0	
*1878	" 2 pints	"	50	do.	0	3	3	
*1879	Spring, ½ pint, Braime's No. 03	U.K.	480	do.	0	1	11½	James Walker
*1880	" 1 pint, " No. 05	"	300	do.	0	2	11½	
*1881	Funnels, Tin, 1 pint	Aust.	80	do.	0	1	2	Harvey Shaw & Drake Pty. Ltd.
*1882	" 1 quart	"	20	do.	0	1	6	
*1883	Kettles, Oil, 5 pints	"	100	do.				Nil

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
GALVANIZED IRONWARE AND TINWARE—continued.						
	Lamps—					
*1884	Cleaners', Engine, brass spout	Aust.	500	each	0 3 3	} Radford Co.
*1885	Drivers'	"	500	do.	0 4 0	
*1886	Gauge	"	400	do.	0 7 9	
	Measures—					
*1887	$\frac{1}{2}$ pint	"	20	do.	0 0 11	} Radford Co.
*1888	$\frac{1}{1}$ pint	"	100	do.	0 1 1	
*1889	1 quart	"	20	do.	0 1 4	
*1890	$\frac{1}{2}$ gallon	"	10	do.	0 2 1	} Harvey Shaw & Drake Pty. Ltd.
*1891	1 gallon	"	10	do.	0 2 11	
*1892	Pans, Closet, to sample "A"	"	} 400	do.	0 9 6	} S. F. Hunt
*1893	" " " "H"	"		do.	0 9 6	
*1894	Pots, Car Cleaners'	"	5	do.	0 5 0	Radford Co.
1895	Pumps, Kerosene	"	20	do.	0 0 10	James Walker
	Tanks, with Cover, Galvanized, Corrugated Iron ("Orb" and "Queen's Head" Iron)—					
1896	500 gallons, to Litho. 104/08 amended ..	"	20	do.	3 18 3	} Workshops Manager, Arden-street
1897	600 gallons, to Litho. 104/08	"	500	do.	4 4 6	
1898	600 gallons, to Blue Print 4538/24	"	300	do.	3 18 6	
*1899	Trays, Drip, Galvanized Iron, 10" x 10" x 3"	"	24.	do.	0 2 3	S. F. Hunt
1900 to 1902	} Nil					

DRAPERY, FURNITURE, ETC., No. 1.

As regards Items Nos. 1922 and 1923, the linoleum should as far as possible be ordered in 500 yards lots and reasonable time allowed for delivery from New South Wales. Linoleum with painted back to be supplied.

†1903	Baize, Green, any widths ordered	U.K.	200 sq. yds.	sq. yd.	0 4 6	} Hicks Atkinson & Sons Pty. Ltd.
*1904	Buttons, Leather, solid, black, large	"	1,500 gross	gross	0 2 9	
†1905	Calico, White, 72" wide	"	400 lin. yds.	lin. yd.	0 2 3	} Gair Manufacturing Co. Pty. Ltd.
†1906	" Signwriters', 36" wide	"	2,000 "	do.	0 0 5 $\frac{1}{2}$	
†1907	Cord, Blind, Glace, 2 $\frac{1}{2}$ lb., brown or green, as ordered	Aust.	40. dozen yards	dozen yards	0 1 3 $\frac{1}{2}$	S. Cohen Sons & Co. Pty. Ltd.
†1908	Corduroy, Plush, green	U.K.	50 sq. yds.	sq. yd.	0 6 3	Hicks, Atkinson & Sons Pty. Ltd.
	Dusters, Feather—					
†1909	No. 22	Aust.	20	each	0 1 4	} James Walker
†1910	No. 34	"	800	do.	0 2 3	
†1911	No. 46	"	700	do.	0 4 0	
†1912	No. 60	"	25	do.	0 4 2	} Briscoe & Co. Ltd.
†1913	Dusters, Linen, check, 23" x 28"	U.K.	40 doz.	dozen	0 6 11	
	Eyelets and Brewsters, nickel—					
†1914	Single	"	1 gross	gross	1 4 0	} Gair Manufacturing Co. Pty. Ltd.
†1915	Double	"	1 "	do.	1 12 6	
†1916	Treble	"	1 "	do.	2 2 0	
†1917	Fibre, Upholsterers', loose, teased	India	1 cwt.	cwt.	1 16 0	
†1918	Hessian, for paperhanging, 72"	"	400 lin. yds.	lin. yd.	0 0 8 $\frac{1}{2}$	} Evan Evans Pty. Ltd.
*1919	Holland, any colours and widths ordered	U.K.	6,000 sq. yds.	sq. yd.	0 1 7	
†1920	Felt, for Linoleum, 6'	Aust.	600 lin. yds.	lin. yd.	0 0 8 $\frac{1}{2}$	Hicks, Atkinson & Sons Pty. Ltd.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
DRAPERY, FURNITURE, ETC., No. 1—continued.						
†1921	Linoleum— Inlaid, 6' wide, any pattern selected, "A" quality	..	20 lin. yds	l. yd.	..	Nil
†1922	Plain, Brown, 6' wide, "A" quality ..	Aust.	4,000 "	do.	0 10 6	} Linoleum Manufacturing Co. of Aust. Ltd.
†1923	" Green, 6' wide, "A" quality ..	"	800 "	do.	0 11 8	
†1924	Mops, Cotton, 16-oz., complete with handle..	"	500 doz.	dozen	1 6 0	} Australian Broom Co. Pty. Ltd.
†1924A	" " 16 oz., heads only ..	"	"	do.	1 2 6	
†1925	Staples, breeching, for holding down blinds, 1½", 1½", or 1¾" as ordered	"	1 gross	gross	0 15 0	S. Cohen Sons & Co. Pty. Ltd.
†1926	Studs, press, nickel	U.S.A.	3 "	do.	0 18 0	Gair Manufacturing Co. Pty. Ltd.
†1927	Towels, Sana Tex	Aust.	800 doz.	dozen	0 3 9	H. M. A. Leahy
FURNITURE.						
†1928	Bottoms, Chair, 3 ply, perforated, any sizes and shapes ordered	Russia	500	each	0 1 0	S. Cohen Sons & Co. Pty. Ltd.
†1929	Chairs, Vienna pattern, with stiffening pieces between the back and seat	Aust.	75	do.	0 13 9	} Johnston's Pty. Ltd.
†1930	" Revolving, high back	"	30	do.	3 9 0	
*1931	Chairs, Revolving, low back, "Douglas" ..	"	30	each	2 17 6	
*1932	" Office, arm, rigid, "Douglas"	"	200	do.	1 6 0	} Briscoe and Co. Ltd.
†1933	Nails, Chair, oxidized	France	100,000	1,000	0 2 0	
1934 to 1937	} Nil					

DRAPERY, ETC., No. 2.

As regards Item No. 1944, the Sponge Cloths supplied shall be 22 in. x 18 in. and weigh 14 lb. per gross, and Item No. 1944A, 24" x 24" and weigh 17½ lb. per gross.

As regards Item No. 1944B, the sample is as regards quality only.

As regards Item No. 1985, the Twine shall be pure linen and suitable for use in the manufacture of wax dressed tarpaulins, and shall be such that it completely fills the holes punched in the wax dressed canvas by the machine needle.

As regards Item No. 1987, the material can be supplied in sheets, maximum sizes of which are 14 ft. x 50 in. either glazed on one side or both as required, packed in bales of approximately 40 yards or 80 lb.

Thickness required to be stated on order.

As regards Items Nos. 1949 to 1951—10 to 12 weeks to be allowed for delivery.

As regards Item No. 1944A, duty is included at 30% ad valorem on f.o.b. price of 20/5 per gross, any variation owing to difference in domestic value to be to Department's account. Documentary evidence to be produced.

†1938	Blanketing, Dark Grey, in rolls	Aust	22,000 lb.	lb.	0 4 0	Ballarat Woollen & Worsted Co. Ltd.
†1939	Buttons, Steel, Clinch, black, 1¼", without washers		200 gross	gross	..	Nil
Calico, Unbleached—						
†1940	36" wide	U.K.	500 lin. yds.	l. yd.	0 0 10½	} Hicks, Atkinson & Sons Pty. Ltd.
†1941	72" wide	"	4,000 "	do.	0 1 7½	
†1942	For French Polishing, 36" wide	"	100 "	do.	..	} Nil
†1943	Calico, White, 36" wide	"	6,000 "	do.	..	
†1944	Cloths, Sponge, 22" x 18"	U.K.	2,000 gross	gross	1 1 9	Alexander & Paterson
†1944A	Cloths, Sponge, 24" x 24"	"	150 "	do.	1 9 6	J. Edmondson & Co. Pty. Ltd.
†1944B	Cloths, Sponge, 28" x 28"	"	150 "	do.	1 10 7	Hardie & Trading Pty. Ltd.
Cord, Blind, White, Glace—						
†1945	2 lb.	U.K.	24 dozen yards.	dozen yards	0 0 10	} Hicks, Atkinson & Sons Pty. Ltd.
†1946	2½ lb.	"	10 "	do.	0 1 0	
†1947	3 lb.	"	10 "	do.	0 1 2	
†1948	Cotton, in reels of 300 yards, white or black, any Nos. ordered	"	50 doz.	dozen	0 3 11	Gair Manufacturing Co. Pty. Ltd.
Duck, Japanned, Crockett's, 1st quality, in pieces of 12 yards—						
†1949	Black, 72" wide	"	1,000 l. yds.	l. yd.	0 8 10	} Watson Trading Co. Pty. Ltd.
†1950	Claret, 72" wide	"	15,000 "	do.	0 9 1	
†1951	Green, 72" wide	"	10,000 "	do.	0 9 0	} Gair Manufacturing Co. Pty. Ltd.
†1952	Duck, Linen, White, 72" wide	"	200 "	do.	0 5 11	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.	
					£ s. d.		
DRAPERY, ETC. (No. 2)—continued.							
	Elastic, White—						
†1953	$\frac{3}{8}$ "	U.K.	500 yards	dozen yards	0 3 0	} Hicks, Atkinson & Sons. Pty. Ltd.	
†1954	$\frac{3}{8}$ "	"	1,000 "	do.	0 4 9		
†1955	Flannelette, 27", for floor cloths	"	600 l. yds.	l. yd.	0 0 6 $\frac{1}{2}$		
†1956	Hessian, 72", for upholstering, Sample D	"	1,000 "	do.	0 1 4 $\frac{3}{4}$	Gair Manufacturing Co. Pty. Ltd.	
†1957	Kapok, in bale lots of about 160 lb.	Java	1,000 lb.	lb.	0 1 6	Gilbert Lodge & Co. Ltd.	
†1958	Linoleum, Plain, Terra Cotta, 6' wide, "A" quality, with painted back	Aust.	200 l. yds.	l. yd.	0 11 8	Linoleum Manufacturing Co. of Aust. Ltd.	
†1959	Muslin, Butter, 36"	U.K.	1,000 "	do.	0 0 2 $\frac{3}{4}$	Hicks, Atkinson & Sons Pty. Ltd.	
*1960	Needles, Packing, 6"	"	50	dozen	.. .. .	Nil
†1961	Poplin, Green, 50" wide	"	200 l. yds.	l. yd.	.. .. .	
†1962	Silk, Sewing Machine, in 1-oz. reels, any Nos. and colours ordered	U.K.	5 lb.	lb.	0 16 0	Gair Manufacturing Co. Pty. Ltd.	
†1963	Skins, Chamois, No. 4	Aust.	800	each	0 4 10 $\frac{1}{2}$	J. A. Orr & Co. Pty. Ltd.	
†1964	Sponge, Large, Carriage, perfectly dry, free from sand and all impurities, No. 112	Greece	200 lb.	do.	0 2 9	J. E. Stone & Co.	
†1965	Swansdown, 30" wide	U.K.	100 l. yds.	l. yd.	0 1 4 $\frac{3}{4}$	}	
	Tape, Cotton, White—						
†1966	$\frac{1}{2}$ "	"	4,000 yards	dozen yards	0 0 4 $\frac{1}{2}$		
†1967	$\frac{3}{8}$ "	"	2,000 "	do.	0 0 5		
†1968	$\frac{3}{8}$ "	"	50,000 "	do.	0 0 5 $\frac{1}{2}$		
†1969	1"	"	20,000 "	do.	0 0 6 $\frac{1}{2}$		
†1970	Tape, Linen, Red— No. 16, 9 yards, per piece	"	200 dozen pieces	dozen pieces	0 1 10		
†1971	No. 24, 9 yards, per piece	"	150 "	do.	0 2 2		Hicks, Atkinson & Sons Pty. Ltd.
†1972	Tape, Linen, White, in reels of 100 yards or over— $\frac{3}{8}$ "	"	8,000 yards	dozen yards	0 0 7 $\frac{1}{2}$		
†1973	1"	"	20,000 "	do.	0 0 8 $\frac{1}{2}$		
†1974	$\frac{3}{8}$ "	"	5,000 "	do.	0 0 10		
†1975	$\frac{3}{8}$ "	"	12,000 "	do.	0 0 11 $\frac{1}{2}$		
†1976	1"	"	20,000 "	do.	0 1 4		
†1977	1 $\frac{1}{4}$ "	"	4,000 "	do.	0 2 0		
†1978	Tape, White, India, any sizes and numbers ordered	"	150 gross yards	gross yards	0 3 11		
	Thread, Machine, in 2-oz. reels, any colours ordered—"Knox"						
†1979	No. 12	"	1,200 reels	reel	0 0 11 $\frac{1}{2}$	} Frank & Bryce Ltd.	
†1980	No. 20	"	1,000 "	do.	0 1 1		
†1981	No. 30	"	100 "	do.	0 1 3 $\frac{1}{2}$		
†1982	No. 50	"	100 "	do.	0 1 6		
†1983	Ticking, Belgian, 63" wide	"	600 l. yds.	lin. yd.	.. .. .	} Nil
†1984	Twine, Laycock's or Gould's, No. 47, as ordered	"	300 lb.	lb.	.. .. .	
†1985	" Machine, best 6-cord, right or left hand twist, as ordered, in 1-lb. balls	U.K.	2,000 "	do.	0 4 7	The Australian Agency	
†1986	Velvet, Utrecht, 24" wide, any colours ordered	"	1,150 l. yds.	lin. yd.	0 6 11	Hicks, Atkinson & Sons Pty. Ltd.	
†1987	Wadding, Cotton, sheet, large size, unbleached, any thickness	Aust.	1,000 dozen sheets	lb.	0 1 5	Arthur Vale & Co. Pty. Ltd.	
†1988	Webbing, Brown, up to 2 $\frac{1}{2}$ ", as ordered	U.K.	12,000 yards	100 yards	2 7 6	Hicks, Atkinson & Sons Pty. Ltd.	
*1989	Webbing, White, Cotton, 1"	"	40,000 "	do.	0 6 3	British General Electric Co. Ltd.	
†1990	Wool, Fingering	"	600 lb.	lb.	0 4 11	Hicks, Atkinson & Sons Pty. Ltd.	
1991 to 1994	Nil						

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	

SERGE AND CLOTH.

Pattern.—Materials to be supplied under this Schedule must conform generally to Patterns exhibited at the office of the Chief Storekeeper for the information of intending Tenderers. The Tenderer shall submit samples of the material which he tenders to supply, and all deliveries must conform thereto in every respect.

Quality.—Only new, good, sound wool shall be used.

Finish.—All material must be of good appearance, durable and free from faults, and must correspond to the contract sample in thickness, colour, weight, nature and closeness of the texture of the fabric, raising and shearing on both sides. All material must be delivered thoroughly dried and clean, scoured free from grease, soap, or other admixture which may be used to give fictitious weight or substance to the goods, and thoroughly shrunk. It shall be free from grass seeds, burrs, and all other imperfections.

Dyeing and Colour.—All materials shall be dyed with indigo dye. The colour shall correspond to that of the contract sample, and must be thoroughly fast and not liable to rub off freely. A portion of the material may be tested by lengthened exposure to the weather or otherwise to determine whether the colour is fast.

Selvages and Identification Threads.—Every piece of material shall have two selvages of not less than three-eighths of an inch in width. There shall be woven into the selvages and also into the full width of the heading and end of each piece of material one thread of pale blue.

Threads per Inch.—The number of warp and weft threads per square inch shall not be less than that set out in this specification for the class of material in question.

Width and Folding.—All material shall be of the width set out for the class of material in question and shall be correctly folded down the middle with the selvages straight and even. For the purpose of this specification the width shall be measured exclusive of selvages; a variation of one quarter of an inch either way will be accepted.

Weight.—The weight per yard shall be not less than that set out for the class of material in question. The weight shall be determined by dividing the total weight of each or any piece by the full length of the piece.

Marking.—Each and every piece of material shall bear the mill number stencilled or marked into the end, and in addition shall have a ticket attached showing the class of cloth, weight, length and piece number.

Inspection during Manufacture.—The Chief Storekeeper or his representative shall have free access to the works of the manufacturer at all reasonable times. He shall be at liberty to inspect the manufacture at any stage, and to reject any material that does not conform to the terms of this Specification.

Tests.—The material shall be subjected to such tests as may be deemed necessary to ascertain whether it complies with this Specification. For the purpose of such tests the Chief Storekeeper shall be entitled to cut off and destroy a portion not exceeding eighteen inches in length from the end of as many pieces as may be considered necessary and shall be further entitled to wash and dry any piece of material supplied under this Specification. In the event of rejection as the results of such tests, the manufacturer shall not be entitled to any payment or compensation for material destroyed or damaged in making the tests. Tensile tests shall be carried out as described.

Tensile Strength and Stretch.—Four specimens shall be cut from each portion of material reserved for test as described. Two specimens shall be cut in the direction of the warp and two in the direction of the weft in such a manner that no two specimens cut in the same direction shall contain the same longitudinal threads.

The test specimens shall be 6½ inches wide and the threads shall be frayed out from each side so as to reduce the test width to 6 inches. They shall then be placed evenly in the jaws of a suitable testing machine so that the unstretched length of the fabric between the jaws is 7 inches and shall be broken without delay. The load shall be applied at the rate of 150 lbs. per inch width per minute. If a specimen breaks in the jaws at a load much lower than that required, a duplicate test shall be made on another test piece, including the same threads.

Flaws and Deductions.—All damage or flaws must be clearly marked on each piece of material, and for each and every damage or flaw a deduction of not less than one quarter yard shall be made by the Chief Storekeeper, and the ticket attached shall be clearly marked with the total amount deducted and the yardage to be paid for. The number of faults in any one piece of material shall not exceed six.

Rejection.—Should any portion of a delivery fail to satisfy the requirements of this Specification, the whole or portion of the delivery may be rejected. Each and every piece of material so rejected shall have the heading removed, and no piece of material from which the heading has been removed will be accepted.

Each class of material shall conform to the requirements set out hereunder:—

Item No.	Description.	1995.	1996.	1997.	1998.
		Serge.	Serge.	Worsted Fine Twill.	Cloth for Overcoat.
Quality	} In accordance with contract sample.				
Finish					
Colour					
Weave					
Width, inches		56	56	56	56
Weight per lineal yard, ounces	20	17	20	24	
Strength, lb. per inch width, warp	75	66	74	37	
Strength, lb. per inch width, weft	70	50	57	27	
Stretch, inches, warp	2	2	2	2	
Stretch, inches, weft	2	2	2	2	

The Stores referred to in this Schedule shall be wholly manufactured or produced at the factory or works of the Contractor, at the address named in this Schedule. No subletting will be allowed.

†1995	Serge, all Wool, Dark Blue, 56" wide exclusive of selvages, weight per lineal yard, 20 oz.	Aust.	29,000	lineal yards	lin. yd	0 8 6	} Federal Woollen Mills Pty. Ltd.
†1996	" all Wool, Dark Blue, 56" wide exclusive of selvages, weight per lineal yard, 17 oz.	"	25,000	"	do.	0 7 3	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
SERGE AND CLOTH— <i>continued.</i>								
†1997	Cloth, Fine Twill Worsted; all Wool, Dark Blue, 56" wide exclusive of selvages, weight per lineal yard, 20 oz.	Aust.	14,000 lineal yards.	1. yd.	0	12	6	} Federal Woollen Mills Pty. Ltd.
†1998	" for Overcoats, all Wool, Dark Blue, 56" wide exclusive of selvages, weight per lineal yard, 24 oz.	"	3,000 "	do.	0	8	6	
1999	Nil.							

COTTON WASTE.

COTTON WASTE.—The Waste shall possess good oil absorbing properties. It shall be practically free from threads less than 3 inches long, and in the case of Item No. 2001 (White Waste) shall not contain any coloured threads. All Waste shall be clean scoured and shall not contain any coarse or non-absorbent threads, string, or fibre (other than cotton), and shall be free from oil, grit, rags, sweepings, dirt, or material that has been washed.

A portion representative of the average of the samples of Cotton Waste submitted will be burned to complete ash, and the percentage of ash or loading thereby determined will become the standard for all Waste delivered under Items Nos. 2000 and 2001 with a reasonable range of tolerance, and any Waste delivered with a percentage of loading outside the tolerance granted by the Chief Storekeeper will be absolutely rejected. The Waste delivered in bulk should be reasonably in accordance with the sample submitted with the tender.

In addition to these tests, the Cotton Waste will be tested for moisture and will be judged by the texture, feel, and general quality, and shall be in every respect to the satisfaction of the Chief Storekeeper.

Before lodging his samples, the Tenderer submitted same to the Quarantine Department, and furnished with his tender an assurance that Waste reasonably in accordance with such samples would be admitted into the State by that Department. The Contractor shall clear each and every shipment of the Waste through the Customs and Quarantine Department, and shall undertake full liability if the Quarantine Department should refuse to allow any Waste shipped in response to an order placed by the Corporation to land, by reason of the fact that such Waste does not comply with the quarantine regulations, and in the event of such happening the Corporation may purchase Waste which, in the opinion of the Chief Storekeeper, is necessary and suitable for the requirements of the Corporation, at the Contractor's risk and cost, in accordance with clause 11 of the conditions of the contract.

Preference will be given to Waste of British manufacture.

Orders are to be placed in minimum lots of 10 tons and 3 tons, Items 2000 and 2001 respectively, and sufficient time allowed for importation. The rate tendered does *not* include wharfage; but in order that the Corporation will obtain exemption of wharfage each shipment should be consigned to The Victorian Railways Commissioners and the Bill of Lading made out in their favour. Wharfage will be arranged by the Corporation and the Bill of Lading returned to the Contractor to complete delivery.

Name of Manufacturer:—

Item No. 2000.—Redmayne and Isherwood.

In the letter of acceptance, Dalgety and Company have been advised to arrange for 10 tons and Hardie Trading Pty. Ltd. 3 tons to be immediately ordered. Covering orders for these quantities are to be issued on the 1st July, and the Storehouse Manager will arrange accordingly.

The sample submitted by the Contractor under Item No. 2000 showed the following results on analysis:—

Moisture	..	..	..	..	..	..	4.84 per cent.
Loading	..	..	..	..	..	..	6.82 per cent.
Absorption times own weight	..	..	..	..	..	..	6.12 per cent.

and any waste delivered, as set out in the specification, which reasonably does not comply with these figures on analysis, should be rejected.

†2000	Waste, Cotton, Grey	..	..	U.K.	200 tons	ton	42 14 3	Dalgety & Co. Ltd.
†2001	" " White, "C.7"	..	..	"	12 "	do.	76 8 2	Hardie Trading Pty. Ltd.
2002	Nil.							

CANVAS AND CANVAS HOSE.

The Canvas shall be composed of "All Long Flax." and shall be free from dressing and every foreign substance, and each bolt of Canvas shall be branded so as to show clearly the contract weight, in ounces, per square yard, and shall be of the full weight specified when delivered.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	

CANVAS AND CANVAS HOSE—continued.

Each delivery of the Canvas may, at the option of the Corporation, be subjected to the following tensile tests, viz. :—

Strips of Canvas may be tested on a "Goodbrand's" Cloth Testing Machine, and shall then show an average tensile strength on the warp and weft respectively as follows, viz. :—

Item Nos. and Description.	Average on each of 12 strips 12 x 1.	
	On Warp.	On Weft.
	lbs.	lbs.
2003 and 2011, 33 oz. Canvas	270	530
2004 and 2012, 30 " " " "	250	500
2005 and 2013, 22 " " " "	225	390
2006, 20 " " " "	200	390
2007, 18 " " " "	225	280
2008, 16 " " " "	200	250
2009, 14 " " " "	200	215
2010, 12 " " " "	190	200
2014, OO, Bleached Canvas	185	330
2015 and 2016 Tanned " " " "	125	125

The Canvas shall be supplied in bolts, each consisting of one piece approximately 50 yards in length, and branded with the exact length.

As regards Item No. 2018, a statutory declaration will be furnished by the Corporation to the Contractor that the hose supplied has been installed for fire extinguishing purposes after it has been actually installed, which should reasonably be within a period of six months after delivery.

Bursting pressure.—Item No. 2017, 350 lb.

Name of Manufacturer—

Items 2003–2013.—Boase Spinning Co. (1920) Dundee.

Items 2014 and 2015.—Wilson & Cunningham, Scotland.

Item 2017.—F. Reddaway & Co., England.

Item 2018.—McGregor & Co., Dundee.

The sample submitted under Item Nos. 2003 to 2014 are samples regarding quality only and not necessarily width and weight. Contract specification to apply.

†2003	Canvas, 36" wide—			U.K.	15,000	lin. yds.	lin. yd.	0 3 4	} Dalgety & Co. Ltd.					
	33 oz. per square yard	..	..									
	†2004	30 oz.	" " " "							"	8,000	"	do.	0 3 1
	†2005	22 oz.	" " " "							"	10,000	"	do.	0 2 4 3/4
	†2006	20 oz.	" " " "							"	18,000	"	do.	0 2 3 1/2
	†2007	18 oz.	" " " "							"	5,000	"	do.	0 2 1 1/8
	†2008	16 oz.	" " " "							"	18,000	"	do.	0 1 11 1/4
	†2009	14 oz.	" " " "							"	4,000	"	do.	0 1 8 1/2
	†2010	12 oz.	" " " "							"	1,250	"	do.	0 1 8
	†2011	Canvas, 24" wide—								"	4,000	"	do.	0 2 3 3/8	} Gair Manufacturing Co. Pty. Ltd.*
33 oz. per square yard		..	..									
†2012		30 oz.	" " " "	"	5,000	"	do.	0 2 1 1/2						
†2013		22 oz.	" " " "	"	4,500	"	do.	0 1 8						
†2014		OO, Bleached, 28 oz. per square yard	..	..	300	"	do.	0 2 2						
†2015		Canvas, 36" wide, Tanned, 16 oz. per square yard	..	..	250	"	do.	0 3 9						
†2016	" 72" wide, Tanned, 16 oz. per square yard	..	..	1,200	"	do.	.. Nil							
CANVAS HOSE.														
†2017	Hose, Canvas, 2 1/2", for other than fire extinction purposes, "A.I. Lion"	..	..	U.K.	10,000 feet	foot	0 1 1 1/2	Thos. Evans Pty. Ltd.						
†2018	" " 2 1/2", for fire extinction purposes, "Gilco Super X."	..	..	"	12,000	"	do.	0 1 3 Gilbert Lodge & Co. Ltd.						
2019 to 2020	} Nil													

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per--	Rate.	Name of Contractor.
					£ s. d.	

CANVAS BAGS, TENTS, AND FLIES.

Item No. 2021.—The Canvas Tool Bags shall be made from the heaviest description of flax Canvas, free from dressing and sewn with the best six-cord linen thread—the bottom being the best sole leather.

Item No. 2022.—The Canvas Water Bags shall be made from the best 28-oz. pure flax, bleached Canvas, sewn with the best six-cord linen thread. All seams being double sewn. It represents a new departure in the method of outlet, a metal tap replacing the old style of canvas tube. The metal tap, although somewhat costly (3s. each), is much more sanitary and is practically indestructible; also it can be used for years.

Item No. 2023.—The Water Bottles shall be made from the best 28-oz. all long flax Canvas and sewn with the best six-cord linen thread.

The Tents and Flies shall be manufactured from 10-oz. Duck, and the Contractor has submitted a sample of a completely manufactured Tent and Fly and a sample piece (12" x 12") of the Duck from which the Tents and Flies will be manufactured.

The Tents shall be made with ridge bands and door flaps, all eyelet holes strongly reinforced with canvas patch. Eyelets shall be the extra strong quality made by Herbert, Kershaw & Coy., England.

The Flies shall be made complete with ridge bands and all eyelet holes reinforced.

Forty feet of ¾" New Zealand Rope shall be supplied with both Tent and Fly. Linen thread only shall be used.

†2021	Bags, Tool, Canvas	Aust.	50	each	0 9 0	} Chief Mechanical Engineer, Newport.
†2022	" Water, Canvas	"	400	do.	0 9 3	
†2023	Bottles, Water, Canvas	"	3,000	do.	0 2 9	
†2024	Flies, Duck, 8' x 10', for 6' x 8' Tents	"	1,000	do.	0 12 11½	
†2025	" " 10' x 12', for 8' x 10' Tents	"	200	do.	0 19 3	} Gair Manufacturing Co. Pty. Ltd.
†2026	Tents, Duck, 6' x 8'	"	1,000	do.	1 6 11	
†2027	" " 8' x 10'	"	200	do.	1 15 11	
2028 to 2030	} Nil.					

CORDAGE, ROPE, AND TWINES.

(Items Nos. 2046 to 2060 and 2062 for one year only).

The Rope to be supplied under Items 2048 to 2053 inclusive shall be packed in hessian. The hessian packing will, as far as practicable, be returned to the Contractor at the Metropolitan Receiving Depot.

†2031	Bags, Corn, second-hand, for coal		10,000	100		Nil
†2032	Cord, Sash, Patent, Jute, any numbers ordered	Aust.	1,000 lb.	lb.	0 1 2	Downs & Son Pty. Ltd.
	Cord, Sash, Braided, in coils—					
†2033	No. 6	"	} 200 "	do.	0 2 0	} M. Donaghy & Sons Pty. Ltd.
†2034	No. 7	"		do.	0 2 0	
†2035	No. 8	"		do.	0 1 9¾	
†2036	No. 9	"		do.	0 1 9¾	
†2037	No. 10	"	do.	0 1 9¾	} Downs & Son Pty. Ltd.	
†2038	No. 12	"	do.	0 1 9¾		
†2039	Cord, Whip, sizes Nos. 4123 and 5123 as ordered	"	100 "	do.		0 3 9
†2040	" Marking (Chalk) Nos. 1524, 2024 or 2524	"	200 "	do.	0 3 0	} M. Donaghy & Sons Pty. Ltd.
†2041	" Nicking Line, any sizes ordered	"	200 "	do.	0 2 2½	
	Lines, Fishing—					
†2042	4 oz.	"	1 gross	dozen	0 2 0	} Downs & Son Pty. Ltd.
†2043	Medium, 12 oz.	"	1 "	do.	0 3 3	
†2044	16 oz.	"	1 "	do.	0 4 0	
†2045	Flax, 16 oz.	"	1 "	do.	0 5 3	
†2046	Packing, Flax, pure	"	12 cwt.	cwt.	7 2 3	} M. Donaghy & Sons Pty. Ltd.
†2047	Rope, Clothes Line	"	2½ "	do.	3 4 0	
†2048	" Europe, bolt, entirely of new Russian hemp, up to 3", as ordered, with blue worsted thread in one strand	"	100 "	do.	5 4 6	
	" Manila, fine and long fibre, with blue worsted thread in one strand—					
†2049	½" up to 2½", as ordered	"	75 "	do.	5 10 0	
†2050	Over 2½" up to 12", as ordered	"	100 "	do.	5 10 0	
†2051	" Manila, stretched for driving belts, 3⅞" circ., 3 strand	"	50 "	do.	5 19 0	
†2052	" New Zealand Flax, 1" to 2", as ordered, with blue yarn in one strand	"	500 "	do.	3 14 0	
†2053	" New Zealand Flax, 2¼" to 3", as ordered, with one blue yarn in each strand	"	1,500 "	do.	3 14 0	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
CORDAGE, ROPE, AND TWINES— <i>continued.</i>						
†2054	Rope, Lashing, New Zealand Flax	Aust.	25 cwt.	cwt.	3 2 6	} M. Donaghy & Sons Pty. Ltd.
†2055	Marline, 3 cord	"	500 lb.	lb.	0 1 2½	
†2056	Spun yarn, Jute	"	10 cwt.	cwt.	3 2 9	
†2057	Twine, Binder	"	10 "	do.	3 8 0	} Downs & Son Pty. Ltd.
†2058	Twine, Fine	"	} 4,000 lb.	lb.	0 1 3½	
†2059	" Medium Jute	"		do.	0 1 1	} J. Miller & Co. Pty. Ltd.
†2060	" Coarse Jute	"		do.	0 1 0½	
*2061	" Seaming, Flax, "Wm. Barbour & Sons"	U.K.	2,500 "	do.	0 3 1½	Frank & Bryce Ltd.
†2062	" Coarse, Special, for Trimmers' use ..	Aust.	500 "	do.	0 1 6	J. Miller & Co. Pty. Ltd.
2063	} Nil.					
to						
2064						

BASKETWARE, COIR MATS, ETC.

The Stores referred to in this Schedule shall be wholly manufactured or produced at the factory or works of the Contractor, at the address named in this Schedule. No sub-letting will be allowed.

BASKETWARE.							
*2065	Baskets, Waste-paper	Aust.	100	each	0 4 3	} Royal Victorian Institute for the Blind	
*2066	Hampers, Parcels	"	10	do.	3 9 0		
MATS, ETC.							
*2067	Mats, Coir, 3' 3" x 2' 3"	"	500	do.	0 13 6		
*2068	" Kneeling	"	100	do.	0 6 3		
2069	Matting, Coir, 27"	"	1,000 l. yds.	lin. yd.	0 1 9½		
2070	" " 24"	"	500 "	do.	0 1 7		
2071	Binding Coir Matting above, as ordered ..	"	..	foot	0 0 4½		
2072	Nil.						

MOTOR ACCESSORIES.

As regards Items Nos. 2100 and 2101, Magnetos, as these are required for use in connexion with the manufacture of locally-built engines, the Corporation will furnish statutory declarations within a reasonable period, not likely to exceed six months, that the Magnetos have been so fitted, or, alternatively, reimburse the Contractor the amount of Customs duty paid.

Under Item No. 2095 the Department undertakes to order during the contract period 225 pairs of Goggles and the Contractor is bound to supply during that period, if required by the Department, 275 pairs. If mutually satisfactory further orders may be placed under this item.

The belting under Item No. 2073 is required to be cut into 6 ft. 2 in. and 6 ft. 6 in. lengths.

Name of Manufacturer—

Items Nos. 2104-2106—The Carborundum Co., Niagara Falls.

†2073	Belting, Motor, Rubber, 7/8" (see above re lengths)	Aust.	5,000 feet	foot	0 1 3½	Dunlop Rubber Co. of Aust.	
Brushes, Carbon, for Make and Breaks—							
2074	Lucas	"	} 200	each	0 0 5½	} The Australasian Motor Accessories Co. Pty Ltd.	
2075	Bosch	"		do.	0 0 5½		
Brushes, Carbon, for Brush Holders—							
2076	Lucas	"	} 100	do.	0 0 5		} A. G. Healing Ltd.
2077	Bosch	"		do.	0 0 5		
Carburetters—							
2078	Twin Cylinder Engines, Amac	U.K.	10	do.	1 18 2	} A. G. Healing Ltd.	
2079	Nil.						
2080	" " " " 26 M.H." Type, Solex	France	20	do.	3 16 8		
2081	Single Cylinder Engines, B & B	"	100	do.	1 18 2		
2082	Chain, Magneto, 1/2 x 1/8 in., 4 1/2 ft. lengths, "Coventry"	U.K.	100 feet	do.	0 4 6		
2083	" Driving, 5/8 x 3/8 in. "Renold's"	"	120 "	foot	0 3 6		
*2084	Cocks, Priming (Motors), "Rotherham's" N.P.	"	100	each	0 2 0		
2085	Control Lever, for Carburetter (Levers only) (Double Lever Controls and Clip)	"	50	do.	0 10 6		

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per--	Rate.			Name of Contractor.
					£ s. d.			
MOTOR ACCESSORIES— <i>continued.</i>								
2086	Control Lever Bowden, Single, for Magneto	U.K.	100	each	0	7	6	} A. G. Healing Ltd.
†2087	Fasteners, Belt— 7/8", "Simplex"	"	100 doz.	dozen	0	9	9	
*2088	" " " " Jackson's," with Nut, No. 1	"	10 "	do.	0	3	9½	
*2089	" " " " No. 2 (small)	"	10 "	do.	0	5	6	} Hopkins Bros. and Odium Pty. Ltd.
*2090	" " " " No. 3	"	6 "	do.	0	6	8½	
*2091	" " Baxter's," No. 2, in boxes of 100 in. ..	"	1,000 in.	100 in.	0	3	11	} E. P. Bevan & Son Pty. Ltd.
*2092	" " " " No. 3	"	1,000 "	do.	0	4	8½	
*2093	Floats, Carburetter— B & B	"	3 doz.	each	0	2	3	} A. G. Healing Ltd.
*2094	Solex	France		do.	0	5	3	
†2095	Goggles, Industrial, "Wellsworth 444," noviweld lense	U.S.A.	250 pairs	pair	0	10	0	Arthur Cocks & Co. Ltd.
†2095A	" " " " Willson " Type L.J. 31½	"	1,000 "	do.	0	5	2	Coles and Garrard
†2096	" " " " Motor, Dust, No. 6784	France	1,000 "	do.	0	1	1	Coles & Garrard
Jets for Carburetters—								
*2097	B & B, Nos. 85 to 110, as ordered ..	U.K.	15	each	0	0	9	} A. G. Healing Ltd.
*2098	Solex, any size, as ordered ..	France	25	do.	0	2	0	
2099	Lifters, Valve, "Bradbury"	U.K.	2	do.	0	3	6	
2100	Magnetos, High Tension, four-point converted to 180° opposed, anti-clock "M.L." Coventry Type C.G. 4, for locally-made engines	"	10	do.	7	0	0	Smith Sons & Rees Ltd.
2101	" " High Tension, for 4 h.p. single cylinder locally-made engines, "Lucas," K.A.I.	"	100	do.	4	4	0	A. G. Healing Ltd.
2102	Make and Break for Large "M.L." Magnetos	U.K.	30	do.	2	0	0	Smith Sons & Rees Ltd.
2103	" " " " Lucas Magnetos	Aust.	50	do.	1	19	6	A. G. Healing Ltd.
2104	Paste, Carborundum, fine, 1-lb. tins, oil mixed	U.S.A.	200 lb.	lb.	0	3	11	} James Walker
2105	" " " " coarse, in tubes, oil mixed	"	200 tubes	tube	0	0	10½	
2106	" " " " 1-lb. tins, oil mixed	"	50 lb.	lb.	0	3	11	
†2107	Plates, Crescent, Special Grip, for 1" to 4" high speed belts	"	100	each				Nil
Plugs, Sparking, Various—								
†2108	Metric Standard, "B.E.S."	Aust.	100 doz.	do.	0	2	9	Australian Spark Plugs Pty. Ltd.
†2109	" " Long Body, "Lodge"	U.K.		do.	0	3	0	The Aust. Motor Accessories Co. Pty. Ltd.
2110	½" Taper (Ford), "B.E.S."	Aust.		do.	0	2	9	Australian Spark Plugs Pty. Ltd.
†2111	7/8", S.A.E. Standard, Small Hexagon, "Lodge" ..	U.K.		do.	0	3	0	} The Aust. Motor Accessories Co. Pty. Ltd.
†2112	7/8", S.A.E. Standard, Large Hexagon do	"		do.	0	3	0	
†2113	7/8" S.A.E. Long Reach, Small Hexagon do	"		do.	0	3	0	
†2114	7/8", S.A.E. Long Reach, Large Hexagon do	"	do.	0	3	0	} A. G. Healing Ltd.	
2115	Points, Platinum, for Lucas Magnetos ..	Aust.	pair	0	11	6		
2116	" " Large "M.L." Magnetos.	"	50	each	0	6		9	Smith, Sons & Rees Ltd.
2117	" " Small Bosch Magnetos	"	50	pair	0	10	6	A. G. Healing Ltd.
2118	" " Large, "M.L.", for Make and Break	"	24	each	0	6	9	Smith Sons & Rees Ltd.
2119	" " Small, Bosch, for Make and Break	"	12	pair	0	10	6	} A. G. Healing Ltd.
†2120	Punches, Motor Belt	U.K.	100	each	0	1	6	
*2121	Rims for 7/8" Motor Tricycle Belts 16" x 23" x 1"	"	80	do.	0	9	6	
Springs, Valve—								
*2122	Fafir Engines	Aust.	100	do.	0	0	6	} A. G. Healing Ltd.
*2123	J.A.P. Engines	U.K.	300	do.	0	0	6	
*2124	F.M. Twin Opposed Engines	Aust.	50	do.	0	0	6	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
MOTOR ACCESSORIES—continued.								
*2125	Tanks, Brass, Petrol, small, 22 gauge ..	Aust.	10	each	1	18	0	} Workshops Manager, North Melbourne
*2126	" " " storage, 22 gauge ..	"	40	do.	2	0	0	
*2127	" Petrol Carrier ..	"	15	do.	2	2	0	
*2128	" and Pump, Oil ..	"	70	do.	1	11	0	
2129	Tubing, Bicycle, Steel Bright, 1½ x 16 gauge, "Reynolds"	U.K.	1,500 feet	foot	0	1	1	} A. G. Healing Ltd.
*2130	Terminals, High Tension, "Chater Lea," Patt.	"	20 doz.	dozen	0	1	9	
*2131	Valves, for V.R. Type J.A.P. Engines ..	Aust.	500	each	0	3	9	} Workshops Manager, North Melbourne
*2132	" F.M. 12 h.p. Engines ..	"	100	do.	0	4	1	
*2133	Washers, Sparking Plug ..	U.K.	10 doz.	dozen	0	0	5	} The Aust. Motor Accessories Co. Pty. Ltd.
*2134	" Valve Cap. for V.R. type, J.A.P. Engines	"	100 "	do.	0	1	3	
*2135	" " " Fafnir Engines	"	12 "	do.	0	1	3	} A. G. Healing Ltd.
†2136	Wire, Copper, Rubber Covered, High Tension	U.S.A.	200 yards	dz. yd.	0	5	6	
*2137	" Bowden, Carburetter, stranded ..	U.K.	200 feet	foot	0	0	1	
2138	" " and control complete for Magnetos	"	10	each	0	9	6	
2139 to 2142	Nil							

BURNERS, LAMPWARE, MANTLES, ETC.

The Mantles supplied under Items 2155 to 2157 shall be constructed of the best materials saturated with proper proportions of the oxides of Thorium and Cerium. The weight of oxides of Thorium and Cerium present in proportion to the total weight of the mantle shall be taken as an indication of the quality of the mantle.

The Mantles shall have the highest photometric value.

The sample Mantles submitted with tenders shall be tested in a Woodall Moon or other Gas Mantle Testing Machine as under :—

- (a) A sample Mantle shall be adjusted to a gas burner and burned off for five minutes.
- (b) A sample Mantle shall be adjusted to a gas burner and burned continuously for a period of 24 hours.

The Mantles, after being burned for the periods specified in (a) and (b), shall be subjected to shock tests, and their ability to withstand such shall be taken as the measure of their durability.

Any percentage of the Gas Mantles delivered under Contract may be subjected to tests to determine whether they comply with the Contract Sample Standard, and failure to do so will entail rejection of the whole delivery from which such samples are drawn.

As regards item No. 2156, time for delivery is to be allowed.

The wicks delivered under Items Nos. 2171 to 2176 must be true to size.

Burners—								
2143	Acetylene, 1 Light Ceto. ..	U.K.	36	dozen	0	2	6	} Brandt Bros. Pty. Ltd.
2144	" 2 Light ..	"	18	do.	0	9	0	
†2145	Kerosene, Cosmo, No. 14 ..	Germany	240	do.	0	18	0	} S. Cohen Sons & Co. Pty. Ltd.
†2146	" 1", "Victor" ..	U.S.A.	900	do.	0	6	10	
2147	Primus, No. 1..	Sweden	12	each	0	13	0	} J. Danks & Son Pty. Ltd.
†2148	Collars, Brass, 1" ..	U.K.	40 doz.	dozen	0	1	5	
†2149	Gauze, Nickel ..	"	38 lb.	lb.	1	10	0	} Lux Light Co. of Victoria
*2150	Lux Lamp Parts— Membranes, 3 in set ..	Aust.	140 sets	set	0	1	3	
*2151	Nipples ..	"	2 doz.	dozen	1	1	0	
*2152	Sockets, Nipple ..	"	2 "	do.	..	..	..
*2153	Tubes, Burner ..	"	5 "	do.	} Nil
*2154	Tubing, Kerosene ..	"	5,000 feet	yard	..	..	..
Mantles, Incandescent—								
†2155	Petrol Air Gas, 50 C.P., Upright, Silk	Aust.	50 doz.	dozen	0	6	3	} T. W. Sands McMicking & Co. Falk Stadelmann & Co. Ltd.
†2156	Lux Lamp, 700 C.P.	U.K.	400 "	do.	0	11	6	
†2157	Small Bland, Inverted, "Veritas" "	"	600 "	do.	0	5	0	
Parts for Miners' Safety Lamps—								
2158	Bulbs, Oldham ..	"	100	do.	} Nil
2159	Glasses, "Hailuxo," 57 x 57 ..	"	200	do.	..	..	..
2160	Gauzes, J.C.M. ..	"	48	do.	..	..	..
2161	Brushes, J.C.M. ..	"	12	do.	..	..	..
2162	Washers ..	"	12 gross	gross	..	..	..
2163	Wick ..	"	24 yards	yard	..	..	..
2164	Prickers, for Primus Burners ..	Sweden	1 gross	dozen	0	0	4	} S. Cohen Sons & Co. Pty. Ltd.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.	
					£ s. d.		
BURNERS, LAMPWARE, MANTLES, ETC.—continued.							
	Unions, Brass Barrel—						
†2165	For Brass, 3/8"	U.K.	15 doz.	dozen	0 5 0	} Falk Stadelmann & Co. Ltd.	
†2166	For Iron, 3/8"	"		do.	0 12 0		
†2167	" 1/2"	"		do.	0 18 0		
†2168	" 3/4"	"	10 "	do.	..	} Nil	
†2169	" 1"	"		do.	..		
†2170	Wick, Ball, Lamp	Aust.	15 cwt.	cwt.	9 8 0	S. Cohen Sons & Co. Pty. Ltd.	
†2171	" Cosmo, 8" long, No. 14	U.K.	150 doz.	dozen	0 0 10 1/2	Brandt Bros. Pty. Ltd.	
†2172	" Castor, 1", in rolls of 12 yards	"	80 rolls	roll	..	Nil	
	Wick, Cotton, Kerosene, 8" long—						
†2173	1/4"	U.K.	} 6,000 doz.	dozen	0 0 1 3/4	} Briscoe & Co. Ltd.	
†2174	3/8"	"		do.	0 0 1 3/4		
†2175	1/2"	"		do.	0 0 2 3/4		
†2176	3/4"	"		do.	0 0 4		
†2176	1 1/8"	"		do.	0 0 4		S. Cohen Sons & Co. Pty. Ltd.
LAMP GLASSES, ETC.							
	Chimneys—						
*2177	Cosmo Lamp, No. 14	Aust.	600 "	do.	0 7 9	} Dott & Co. Pty. Ltd.	
*2178	" " Short	"	300 "	do.	0 8 3		
†2179	Incandescent Gas, with side holes, 6 1/2"	Czech.Slo.	50 "	do.	0 8 0	Falk Stadelmann & Co. Ltd.	
*2180	Lamp, large slip	Aust.	1,000 "	do.	0 7 6	} Dott & Co. Pty. Ltd.	
*2181	Roof Lamp	"	100 "	do.	0 5 0		
	Glasses, Lamp—						
2182	Bent, Green, 4 3/4" diameter	"	} 400 "	do.	0 7 9	} R. W. Collyer & Son	
*2183	" " 5 1/4" diameter	"		do.	0 7 9		
*2184	" Lux Lamp	"		100 "	do.		2 8 0
2185	" Ruby, 4" diameter	"		do.	0 7 6		
*2186	" " 4 3/4" diameter	"		200 "	do.		0 7 6
*2187	" " 5 1/4" diameter	"	do.	0 7 6	} Dott & Co. Pty. Ltd.		
*2188	Bottom, for Roof Lamps	"	100 "	do.		2 8 0	
	Front, for Hand Signal Lamps—						
2189	5" diameter	"	} 100 "	do.	..	} Nil	
*2190	5 1/2" diameter	"		do.	..		
2191	Clear Circles, 5" diameter	Aust. & Belgium		400 "	do.		0 7 6
*2192	" " 5 1/2" diameter	"	200 "	do.	0 8 0	} Brooks, Robinson & Co. Ltd.	
2193	Gate, Ruby, 5"	"	do.	..			
*2194	" " 6"	U.K.	20 "	do.	1 0 0	} Brandt Bros. Pty. Ltd.	
†2195	Hurricane, Ruby	Germany	25 "	do.	0 16 6		
*2196	" White	Aust.	25 "	do.	0 8 0	Dott & Co. Pty. Ltd.	
	Globes—						
*2197	" Graetzin," 2 Light	"	15 "	do.	..	} Nil	
*2198	Pintsch Gas, 6", clear	Aust.	} 100 "	do.	1 1 0		
*2199	" " 6", frosted	"		do.	1 3 0		
*2200	" " 8", clear	"		do.	1 16 0		
*2201	" " 8", frosted	"		400 "	do.	1 18 0	} Dott & Co. Pty. Ltd.
*2202	" " 10", clear	"		do.	2 2 0		
*2203	" " 10", frosted	"	75 "	do.	2 5 0		
†2204	Bland, large	"	100 "	do.	0 7 0	} Nil	
	Lenses—						
*2205	Ruby, 4"	U.K.	30 "	do.	1 10 0	} Brandt Bros. Pty. Ltd.	
*2206	" 5"	"	10 "	do.	2 2 0		
2207	White, 3"	"	14 "	do.	0 12 6		
*2208	" 4"	"	100 "	do.	1 1 0		
2209	" 6"	"	60 "	do.	2 5 0		
2210 to 2214	Nil.						

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	

SHIP CHANDLERY, TAR, ETC.

Fifteen per centum will be deducted from the gross weight of the Rosin supplied under Item 2229, as an allowance for packages.

SPECIFICATION FOR BITUMEN (ASPHALTIC CEMENT).—Item No. 2215.

The bitumen shall comply with the following specification limits:—

Specific gravity at 60° F. shall not be less than 1.00.

Penetration with standard No. 2 needle under the following conditions of temperature, weight, and time:—

1. 25° C. (77° F.), 100 gms., 5 secs. shall be between 60 and 70.

2. 0° C. (32° F.), 200 gms., 60 secs. shall be between 28 and 30.

3. 32.2° C. (90° F.), 50 gms., 5 secs. shall be between 65 and 75.

Ductility at 25° C. (77° F.) on a section 1 centimeter square at 5 cm. per minute shall not be less than 100 cm.

Ductility at 0° C. (32° F.) on a section 1 centimeter square at 5 cm. per minute shall not be less than 4.

Softening point (ball and ring method) shall be between 125° and 130° F.

Loss of weight on heating a 50 cm. sample for 5 hours at 163° C. (325° F.) shall not be more than 2 per cent., and the penetration of the bitumen after such heating (taken at 25° C., 100 gms., 5 secs.) expressed as a percentage of the penetration as specified shall not be less than 60 per cent.).

Flash and fire points (Cleveland Open Cup method) shall not be less than 260° C. (500° F.).

Solubility of the bitumen in carbon tetrachloride shall not be less than 99 per cent.

Solubility of the bitumen in 88° Baume Petroleum Ether shall not be less than 78 per cent.

Item No. 2215 is for delivery on trucks at Spencer Street ex shipments arriving July-September and monthly thereafter.

Item No. 2215A is for delivery on trucks ex stock between shipments.

The bitumen shall be packed in improved wooden barrels with close-fitting staves, reinforced with hoop iron, of approximately 35-36 gallons capacity.

Samples.—The Contractor has submitted a sample of the material and guarantees that the material to be supplied shall be equal in all respects to the sample and shall conform with the specification above.

Should any of the material supplied be found not to be in accordance with this Specification, the Contractor shall remove same at his own expense, and replace with the material specified.

Containers.—The material shall be packed in suitable containers of between 20 and 40 gallons capacity and capable of transporting the material without loss or inconvenience in handling.

The Corporation will not accept delivery of any material in a broken or defective container. The containers shall be suitably clay-washed internally to allow of the material being readily removed therefrom.

Delivery.—Delivery to be given at the Metropolitan Receiving Depot, Melbourne, or properly loaded into railway trucks at any railway station or siding at which the Department has the necessary facilities for receiving same.

Weights.—Weights as ascertained at the Metropolitan Receiving Depot or if delivered elsewhere, at destination, to be accepted. Tare of containers as ascertained by the most approved method will be deducted.

Specification for Items 2231 to 2234.—The tar shall be produced by the distillation of crude tar which has been derived exclusively from the destructive distillation of bituminous coal in the process of gas manufacture. The specific gravity at a temperature of 15.5° C. (60° F.) shall not be less than 1.10 nor more than 1.15. The tar shall contain not more than 15 per cent. free carbon. The tar shall be free from water and light hydro-carbons, and shall yield not more than one (1) per cent. distillation below 170° C., and on further distillation to a temperature of 270° C. shall yield not more than 65 per cent. by volume of the tar tested. Samples taken at the discretion of the Chief Storekeeper from any delivery shall be submitted to the Laboratory for test, and the result of these tests must correspond with the above specification.

Payment will be made on the following basis, providing receptacles are full:—

Standard tanks and fire carts	270 gallons
Standard drums or casks	42 gallons

†2215	Bitumen (Asphaltic Cement) (Indent)	Mexico	100 tons	ton	7 9 0	British Imperial Oil Co. Ltd.
†2215A	" " " (ex. Stock)	do.	do.	do.	7 18 0	
†2216	Bunting, 18", red, green, or white, as ordered	U.K.	2,000 l. yds.	lin. yd.	0 0 8	Alexander & Paterson
	Chalk—					
†2217	Blue .. .. .	..	100 lb.	lb.	..	} Nil
†2218	Red .. .. .	..	100 "	do.	..	
†2219	White .. .. .	..	100 cwt.	cwt.	..	
†2220	French, Powdered	Aust.	1 "	do.	0 12 6	Neptune Oil Co. Ltd.
2221	Compound, Pipe Joint, 56-lb. tins, "Dixon's," or other approved make	..	112 lb.	lb.	..	Nil
†2222	Eyelets and Washers, Brass, 1"	U.K.	50 gross	gross	0 3 11	Gair Manufacturing Co. Pty. Ltd.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
SHIP CHANDLERY, TAR, ETC.—continued.						
†2223	Eyelets and Washers, Brass, 1½"	Aust.	1,000 gross	gross	0 4 11½	Evan Evans Pty. Ltd.
*2224	" Brass, ½"	"	20,000	1,000	1 10 0	Eyelets Pty. Ltd.
*2225	Felt, Tarred, 32" x 40"	U.K.	500 sheets	sheet	0 0 10½	Paul & Gray Ltd.
*2226	Hooks, Clip, with thimbles	Aust.	1,000 doz.	each	0 1 1½	A. Nicholls & Co.
†2227	Palms, Sewing or Roping, as ordered ..	U.K.	10	each	0 2 11	Gair Manufacturing Co. Pty. Ltd.
†2228	Pitch, Asphaltum, "F," in casks	"	40 cwt.	cwt.	..	} Nil
2229	Rosin, Common	"	20 "	do.	..	
*2230	Sheaves, Ball Bearing	"	700	each	..	
2231	Tar, Distilled, in steel drums, supplied by the Corporation	Aust.	14,000 gals.	gallon	0 0 6¾	} Albion Quarrying Pty. Ltd.
2232	" " in Departmental tanks in Contractor's yard	"	30,000 "	do.	0 0 6¾	
2233	" " in fire carts on the site of works along St. Kilda-Brighton Electric Street Railway track	"	40,000 "	do.	0 0 7¾	
2234	" " in fire carts on the site of works along the Sandringham-Black Rock Electric Street Railway track	"	30,000 "	do.	0 0 7¾	
†2235	" Stockholm, in 4-gallon tins	Sweden	600 "	do.	0 3 0	Inglis, Smith & Co.
*2236	Thimbles, Iron, galvanized, Long	Aust.	700 doz.	dozen	0 2 3	} A. Nicholls & Co.
*2237	" " " Signal	"	100 "	do.	0 0 4½	
2238	} Nil					
to 2240						

MINERAL LUBRICATING OILS. (ONE YEAR ONLY.)

(See Appendix "A" for Specification.)

The different classes of oil required shall be supplied in casks branded "Super. Cyl. Oil," "Sat. Cyl. Oil," "Sum. Bear," "Win. Bear," "C. & W." "Car," as the case may be.

Payment.—Payment will be made on gallonage calculated on net weight ascertained by approved methods by the Chief Storekeeper or his representative at the place of delivery, and the specific gravity ascertained in the Victorian Railways Laboratory from samples drawn from such delivery.

As regards Items Nos. 2241, 2242, 2243 and 2244, delivery may be given in steel drums with side bungs, each containing approx. 45 gallons, or in wooden barrels, at the Contractor's option.

It will be noted that two tenders have been accepted for Summer Bearing Oil—Items Nos. 2243 and 2243A, and orders are to be placed to insure the Vacuum Oil Co. Pty. Ltd. obtaining two-thirds and Ramsay and Treganowan one-third of the Department's business.

Similarly, for Car and Wagon Axle Oil (Items Nos. 2245 and 2245A), two tenders have been accepted, but the business in this case is to be equally divided, always provided suitable Oil is supplied and satisfactory service is rendered. The estimated requirements have been amended accordingly, but it is not expected, owing to later developments, that the estimated requirements will be required.

†2241	Locomotive Cylinder Oil, Specification L.1—Superheated Steam, "Gargoyle Valve" ..	U.S.A. and Aust.	17,500 gals.	gallon	0 3 2¾	} Vacuum Oil Co. Pty. Ltd.
†2242	Saturated Steam, "C.794."	"	27,500 "	"	0 2 2½	
†2243	Locomotive Bearing Oils—Specification L.2—Summer, "Loco. Engine Oil H."	"	} 52,500 "	do.	0 2 5¼	} Ramsay & Treganowan Ltd.
†2243A	Summer, "J.F.," in steel drums	Aust.		do.	0 2 7	
†2244	Winter, "Loco. Engine Oil J."	U.S.A. and Aust.	17,500 "	do.	0 2 0¾	} Vacuum Oil Co. Pty. Ltd.
†2245	Car and Wagon Axle Oil (Black Oil), Specification L.3, "B.817"	U.S.A.	} 32,500 "	do.	0 1 3¾	
†2245A	Car and Wagon Axle Oil (Black Oil), Specification L.3, "J.F.," in steel drums	Aust.		do.	0 1 5¼	Ramsay & Treganowan Ltd.
†2246	Car Oil (Red Oil), Specification L.3A, "P.973" ..	U.S.A.	17,500 "	do.	0 1 7¾	Vacuum Oil Co. Pty. Ltd.
2247	} Nil					
to 2248						

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	

OILS (MOTOR ENGINE AND MACHINERY OILS).

(See Appendix "B" for Specifications.)

Payment for Oils (Items Nos. 2249 to 2261) will be made on gallonage calculated on net weight ascertained by approved methods by the Chief Storekeeper or his representative at the place of delivery, and the specific gravity ascertained in the Victorian Railways Laboratory from samples drawn from such delivery.

The Castor Oil supplied under Item No. 2262 by Arthur Vale and Co. Pty. Ltd. shall be "Alba" brand manufactured by Lycett Pty. Ltd., and such Oil shall be in accordance with the analysis obtained in the Laboratory from the sample submitted by Lycett Pty. Ltd.

MOTOR, ENGINE, AND MACHINERY OILS.								
†2249	Specification L.4; Grade—Extra Light—Oil, for Refrigerating Machines, in 4-gallon tins or barrels, "Arctic C."	U.S.A.	80 gals.	gallon	0	3	10	Vacuum Oil Co. Pty. Ltd.
†2250	Specification L.4; Grade—Light—Oil, Cylinder, for Ford Cars, in 4-gallon tins, "Valvoline"		"	1,400 "	do.	0	6		6
2250A	" " in drums approx. 40 gals.	"	"	do.	0	6	0	J. Carrigan
†2251	Specification L.4; Grade—Medium—Oil, Cylinder, for Chevrolet Cars and Water-cooled Petrol Engines, in 4-gallon tins, "Valvoline"	"	1,500 "	do.	0	7	0	
2251A	" " in drums approx. 40 gals.	"	"	do.	0	6	6	
†2252	Specification L.4; Grade—Heavy—Oil, Cylinder, for Motor Lorries, Cycles, Air-cooled Petrol Engines and Rail Motors, in 4-gallon tins, "Valvoline"	"	5,000 "	do.	0	7	6	
2252A	" " in drums approx. 40 gals.	"	"	do.	0	7	0	J. Carrigan
†2253	Specification L.4A; Grade—Medium—Oil, Cylinder, for Kerosene Engines, in barrels or 4-gallon tins, "Vacra Extra Heavy X."	U.S.A. and Aust.	200 "	do.	0	3	0	
†2254	Specification L.5; Grade—Extra Light—Oil, Bearing, for Small Electric Motors, Light Line Shafting, Pumps, Small Machines, Spindles, and Automatic Signal Mechanism, in barrels or 4-gallon tins, "Vacuoline C."	U.S.A.	200 "	do.	0	2	10	Vacuum Oil Co. Pty. Ltd.
†2255	Specification L.5; Grade—Light—Oil, Bearing, for Signal Apparatus, Medium Line Shafting, Light Ball Bearings and Races, in 40-gallon barrels or drums, "Valvoline Light Turbine"	"	2,000 "	do.	0	4	9	
†2256	Specification L.5; Grade—Medium—Oil, Bearing, for Small Machine Tools, Large Electric Motors and Dynamos, Heavy Ball Bearings and Races, Tricycles, in 40-gallon barrels or drums, or 4-gal. tins, "P.973"	"	3,000 "	do.	0	1	7½	Vacuum Oil Co. Pty. Ltd.
†2257	Specification L.5; Grade—Heavy—Oil, Bearing, for Large Machine Tools, in 40-gallon barrels or drums, "7.O.R."	"	3,000 "	do.	0	2	1	Socony Pty. Ltd.
†2258	Specification L.5; Grade—Extra Heavy—Oil, Bearing, for Stone Crushers, Tractors, and similar Machinery, in 40-gallon barrels or drums, John Fell & Co. "XL"	Aust.	200 "	do.	0	1	7	Ramsay & Treganowan Ltd.
†2259	Specification L.5; Grade—Extra Heavy Special—Oil, Bearing, for Rail Motor Transmission Gear, in 40-gallon barrels or drums, "Neptune"	U.S.A. and Aust.	1,000 "	do.	0	2	5	Neptune Oil Co. Ltd.
†2260	Specification L.6; Grade—Medium—Oil, for Turbines, Air Compressors, and Machinery on which the circulating system of lubrication is employed, in 4-gallon tins or 40 gal. drums, "Valvoline"	U.S.A.	1,500 "	do.	0	5	9	J. Carrigan
2261	Specification L.7; Grade—Light—Oil, for Transformers and Switch Gear, in cases, 2 x 4 gal. tins, "Gargoyle Transformer A."	"	5,000 "	do.	0	2	10 less 10%	Vacuum Oil Co. Pty. Ltd.
†2261A	Specification L.7; Grade—Light—Oil, for Transformers and Switch Gear, in 4-gallon tins, "K.I."	"		do.	0	2	11	British Imperial Oil Co. Ltd.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
OILS (MOTOR, ENGINE, AND MACHINERY OILS)— <i>continued.</i>								
†2262	Specification L.8—Castor Oil, in 4-gallon tins, "Lycett"	Aust.	2,000 gals.	gallon	0	5	6	Arthur Vale & Co. Pty. Ltd.
†2263	Neatsfoot Oil, Pure, in wooden barrels or 40-gallon iron drums, "Shell"	"	300 "	do.	0	3	9	British Imperial Oil Co. Ltd.
†2264	Neatsfoot Oil, Compound, in 40-gallon barrels or drums, "XL"	"	2,000 "	do.	0	1	10	Ramsay & Treganowan Ltd.
†2265	Soluble Cutting Compound, in 40-gallon barrels or drums, "XL Sapon Cutting No. 2"	"	1,600 "	do.	0	2	10	
†2266	Fish Oil, for tempering springs, in 40-gallon barrels or drums, "P.910"	U.S.A.	4,000 "	do.	0	2	2	Vacuum Oil Co. Pty. Ltd.
†2267	Compound, Lubricating, "Voco Cup Grease No. 3," for use at the State Mine	"	20 cwt.	cwt.	1	13	10	
†2268	Compound, Lubricating, "Texaco Crater," for use at the State Mine	"	5 "	do.	1	13	10	Texas Co. (Aust.) Ltd.
†2269	Oil, Lardine, in 4-gallon tins, "Vacme Heavy Medium X."	Aust.	60 gals.	gallon	0	3	0	Vacuum Oil Co. Pty. Ltd.
2270 to †2281	Nil							

ILLUMINATING AND POWER OILS, ETC.

(See Appendix "C" for Specifications.)

Excepting where otherwise specified below, payment will be made on gallonage calculated on net weight ascertained by approved methods by the Chief Storekeeper or his representative at the place of delivery, and the specific gravity ascertained in the Victorian Railways Laboratory from samples drawn from such delivery.

As regards Item No. 2280, payment will be made on measurement basis; such measurement will be ascertained by the Chief Storekeeper or his representative at the departmental garage, Batman-avenue, Jolimont, by use of the calibrated stick as approved by the Corporation.

As regards Items Nos. 2284 and 2285, payment will be made on the actual net weight ascertained by weighing over the departmental truck weighbridge, and delivery will be given at Port Melbourne or Laverton at Contractor's option.

The whole of the rates in this Schedule, excepting Items 2274 and 2275, are 30-day's lowest wholesale selling price and are subject to all market fluctuations in the Contractor's lowest wholesale selling prices. All deliveries will be invoiced at the lowest wholesale selling price ruling on the actual date of delivery.

As regards Items Nos. 2273, 2274, 2276 to 2279, and 2283, the rates cover delivery in cases containing two tins. Should delivery be accepted in naked tins, the rate shall be reduced by 8d. per case.

As regards Items Nos. 2282 to 2282c, the orders as far as possible are to be equally divided

Kerosene—								
†2273	Illuminating Oil, Specification N.1, in cases, 2 x 4½ gallon tins, "C.O.R."	Aust.	280,000 gals.	gallon	**0	1	6	Commonwealth Oil Refineries Ltd.
†2274	Long Time Burning Oil, Specification N.2.. in cases, 2 x 4½ gallon tins, "Texaco Light of the Age"	U.S.A.	4,000 "	do.	0	1	0.48	Texas Co. (Aust.) Ltd.
†2275	300° High Test, Specification N.3., in cases 2 x 4 gallon tins, "M.1103"	"	16,000 "	do.	0	1	4½	Vacuum Oil Co. Pty. Ltd.
†2276	For Engine Cleaning purposes, in cases, 2 x 4½ gallon tins, "C.O.R."	Aust.	30,000 "	do.	*0	1	5.28	Commonwealth Oil Refineries Ltd.
†2277	For Lux Lamps, in cases, 2 x 4½ gallon tins, "Pennant"	D.E. Indies	22,000 "	do.	**0	1	7.44	British Imperial Oil Co. Ltd.
†2278	Power, Fuel, for Coulson or other kerosene engines, Specification N.1, in cases, 2 x 4½ gallon tins, "C.O.R."	Aust.	20,000 "	do.	*0	1	5.28	Commonwealth Oil Refineries Ltd.
†2279	Motor Spirit, for use in Inspection or other cars, Specification N.4., "White Label"—In cases, 2 x 4 gallon tins, "C.O.R."	"	250,000 "	do.	*0	1	11½	
†2280	In bulk, delivered at the Departmental Garage, Batman-avenue, Jolimont, "C.O.R."	"		do.	*0	1	6½	
†2281	In 40 gallon drums			do.				Nil

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
ILLUMINATING AND POWER OILS, ETC.—continued.								
†2282	Benzoline, "Plume," in 8-gallon drums (not returnable)	U.S.A.	8,000 gals.	{ gals.	*0	2	10½	Vacuum Oil Co. Pty. Ltd.
†2282A	Benzoline, "Plume," in 40-45-gallon drums (drums to be returned)	"		{ do.	*0	2	4	
†2282B	Benzoline, "Shell" in 8-gallon drums (not returnable)	D.E. Indies	5,000 "	{ do.	*0	2	10½	British Imperial Oil Co. Ltd.
2282C	Benzoline, "Shell," in 40-45-gallon drums (drums to be returned)	"		{ do.	*0	2	4	
†2283	Benzine, Heavy, for Tarpaulin Dressing, in cases, 2 x 4 gallon tins, "C.O.R."	Aust.	3,000 tons	ton	*0	1	11½	Commonwealth Oil Refineries Ltd.
†2284	Fuel Oil (Petroleum Oil Product) delivered in Departmental tanks, Specification O.I., "C.O.R."	"	230,000 gals	do.	3	15	0	
†2285	Oil, for the manufacture of Pintsch Gas, delivered in Departmental tanks, Specification O.I., "C.O.R."	"						
2286 to 2289	Nil							

* Less 5% discount for payment within 30 days.—** Less 7½% discount for payment within 30 days.

BENZOL.

See Appendix "D" for Specification.

Payment.—The payment will be made on gallonage calculated on the net weight in containers after discharge from tank of wagon, and the specific gravity ascertained in Victorian Railways Laboratory from samples drawn from each delivery.

Delivery.—The Benzol shall be delivered from the Contractor's tanks into 40-gallon containers at the Metropolitan Receiving Depot. The 40-gallon containers, if the property of the Contractor, shall be returnable.

*The rate is subject to variation based on any fluctuation in the wholesale bulk price of B.H.P. Benzol.

2290	Benzol, Specification N.4, in 40-gallon containers from bulk wagon	Aust.	140,000 gals.	gallon	*0	1	10½	The Broken Hill Pty. Co. Ltd.
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GREASES (FOR ONE YEAR ONLY).

See Appendix "E" for Specifications.

The Vacuum Oil Co. Pty. Ltd. will deliver in either barrels or tins.

†2291	Grease, for Gears, Conveyors, Compression Cups— Specification M.1, "Voco. Dark Gear Grease"	Aust.	10 ton	cwt.	1	1	0	Vacuum Oil Co. Pty. Ltd.
†2292	Specification M.2	"	nil	do.				Nil
†2293	Grease, Cup, No. 3, "Voco.", Specification M.2	U.S.A.	10 cwt.	do.	1	13	10	Vacuum Oil Co. Pty. Ltd.
†2294	Grease, Pantograph Collector, No. 4, Specification M.2, in barrels	"	100 "	do.	1	17	0	Socony Pty. Ltd.
†2295	Grease, Antifriction, for Lubrication of Rough Machinery, Rails, Switches, Curves, and other purposes, Specification M.3, "D.A.F."	Aust.	45 "	do.	0	17	0	Vacuum Oil Co. Pty. Ltd.
†2296	Petroleum Jelly, in barrels of approximately 5 cwt., for tarpaulin dressing, to Specification	U.S.A.	5,000 lbs.	lb.	0	0	2	Arthur Vale & Co. Pty. Ltd.
2297 to 2302	Nil							

TURPENTINE, TURPENTINE SUBSTITUTES, AND METHYLATED SPIRITS.

(Item No. 2303.—One year only.)

See Appendix "F" for Specifications.

Payment will be made on gallonage calculated on net weight ascertained by approved methods by the Chief Storekeeper or his representative at the place of delivery, and the specific gravity ascertained in the Victorian Railways Laboratory from samples drawn from such delivery.

*As regards Item No. 2304—The rate is subject to market fluctuations in the lowest wholesale selling price ruling on the actual date of delivery.

As regards Item No. 2304—If supplied in naked tins the rate will be 8s. 2d. per tin.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
TURPENTINE, ETC.— <i>continued.</i>						
†2303	Turpentine— To Specification A.5, "Pinetree" or "Pratts"	U.S.A.	3,000 gals.	gal.	*0 6 0	Neptune Oil Co. Ltd.
†2304	Substitute, volatile mineral spirit, paint thinners, Specification A.6 in cases, 2 x 4 gal. tins, "Petropine"	"	3,000 "	do.	**0 2 1½	Vacuum Oil Co. Pty. Ltd.
†2305	Substitute other than petroleum distillates, Specification A.7, in cases, 2 x 4 gallon tins	"		do.			Nil
†2306	Spirits, Methylated, in 4 gal. tins, "Bundaberg Distilling Co."	Aust.	5,000 "	do.	0 2 10	E. L. Yencken & Co. Pty. Ltd.
2306 to 2330	Nil.					

** Less 5 per cent. discount within 30 days.

VARNISHES.

See Appendix "G" for Specifications.

The Corporation may test samples selected at random to ascertain to what extent the material supplied complies with this Specification or with the Contractor's Specification and samples.

The Stores referred to in this Schedule (if tendered of Australian manufacture or production) shall be wholly manufactured or produced at the factory or works of the Contractor within the Commonwealth of Australia at the address named where provided for the end of this Schedule. No sub-letting will be allowed.

As regards Items Nos. 2324-2324B, any manufactures at Newport shall not be regarded as an infringement of this contract.

	Varnish, in ½-gallon or 1 gallon tins, as ordered—					
	Carriage Varnish, Specification D.1.—					
†2310	Hard Drying	Aust.	2,000 gals.	Imp. gallon	0 11 3	Edinburgh Varnish Works Pty. Ltd.
†2310A	Hard Drying	"		do.	0 11 9	Taubmans Pty. Ltd.
†2310B	Hard Drying, "Majora"	"		do.	0 12 0	Norman Macleod & Co.
†2311	Durable (Wearing Body)	"		do.	0 12 9	Edinburgh Varnish Works Pty. Ltd.
†2311A	Durable (Wearing Body)	"	3,000 "	do.	0 15 6	Taubmans Pty. Ltd.
†2311B	Durable (Wearing Body), "Majora"	"	150 "	do.	0 14 0	Norman Macleod & Co.
†2312	Copal, Specification D.2, "Sun"	"		do.	0 8 0	Robert Ingham Clark & Co. (Aust.) Ltd.
†2313	Oak, Specification D.3, "Sun"	"		do.	0 7 6	Edinburgh Varnish Works Pty. Ltd.
†2314	Gold Size, Specification D.4	"		1,800 "	do.		0 10 0
†2315	Japan, Black, Specification D.5, "Oxymel"	"	60 "	do.	0 7 0	Oxymel Oil & Paint Co. Pty. Ltd.
†2316	Liquid Japan Drier (Terebine), Specification D.6	"	5,000 "	do.	0 5 8	Edinburgh Varnish Works Pty. Ltd.
†2317	Paper, Specification D.7, "Mirror"	"	5 "	do.	0 10 0	S. Smith & Co.
†2318	Spirit, White or Brown, as ordered, Specification D.8, "Majora"	"	14 "	do.	0 8 9	Norman Macleod & Co.
†2319	Knotting, Specification D.9	"	150 "	do.	0 10 0	Victoria Varnish Co. Pty. Ltd.
†2320	French Polish	"	1,800 "	do.	0 10 0	Edinburgh Varnish Works Pty. Ltd.
†2321	" White	"	200 "	do.	0 11 3	
†2322	Insulating, Quick Air-drying, Black, Ajax	"	400 "	do.	0 6 0	Warburton Franki (Melb.) Ltd.
†2323	" Clear, Ajax	"	60 "	do.	0 9 3	
†2324	Remover, Paint and Varnish, in 4-gal. tins, "E.539," Wax Free	"	5,000 "	do.	0 18 0	Taubmans Pty. Ltd.
†2324A	" " " in 4-gal. tins, Wax Free	"		do.	0 7 6	Edinburgh Varnish Works Pty. Ltd.
†2324B	" " " in 4-gal. tins, "Mirror"	"		do.	0 4 0	S. Smith & Co.
†2325	Varnish, Insulating, Black, Stoving, to Specification, in 4-gal. tins, "Taubmans E.85"	"	1,000 "	do.	0 8 6	Taubmans Pty. Ltd.
2326 to 2330	Nil					

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	

LIQUID DISINFECTANTS.

The Disinfectant to be supplied under Item 2331 shall have a Rideal Walker Coefficient of 17; and that supplied under Item 2332 shall have a Rideal Walker Coefficient of not less than 3.

LIQUID DISINFECTANTS.						
†2331	Disinfectant, Liquid— High grade "Sal Hycol," in 10-gal. drums	U.K.	7,000 gals.	Imp. gallon	0 6 6	Salmond & Spraggon (Aust.) Ltd.
†2332	Low grade, in casks, "Safeguard" ..	Aust.		do.	0 1 7	
†2332A	Low grade, in 4gal. tins ..	"	1,500 "	do.	0 1 6	Safeguard Chemical Co. Pty. Ltd.
†2333	Oil, Disinfectant, for use in urinals, in 4-gallon tins	"		do.	0 2 0	
2334 to 2335	Nil					

COLOURS, PIGMENTS, AND DYES.

See Appendix "H" for Specifications.

†2336	Black, in oil, in 1-cwt. drums ..	..	10 tons	ton	..	Nil.
†2337	" Drop, dry, in 1-cwt. kegs or casks ..	U.K.	8,000 lb.	lb.	0 0 9	Brooks, Robinson & Co. Ltd.
†2338	" Vegetable, in 1-lb. packets ..	Aust.	20 cwt.	cwt.	4 2 10	Australian Carbons Pty. Ltd.
†2339	Blue, Prussian, in oil, in 1-lb. tins "United"	"	75 lb.	lb.	0 2 3	Brooks, Robinson & Co. Ltd.
†2340	" Ultramarine, dry, in 7 or 28 lb. pkgs., "Reckitts"	U.K.	10 cwt.	cwt.	4 18 0	
†2341	Brown, Bismarck, dry, in 7 or 28 lb. pkgs. ..	"	112 lb.	lb.	0 4 11	W. & G. Dean Pty. Ltd.
†2342	" Purple, dry, in 7 or 28 lb. parcels ..	"	100 "	do.	0 0 5½	Brooks, Robinson & Co. Ltd.
†2343	" Spanish, dry, in 7 or 28 lb. parcels ..	"	400 "	do.	0 0 3½	E. L. Yencken & Co. Pty. Ltd.
†2344	" Vandyke, dry, in 7 or 28 lb. parcels ..	"	60 "	do.	0 0 3¾	W. & G. Dean Pty. Ltd.
†2345	" " in oil, in 7 or 14 lb. tins ..	Aust.	250 "	do.	0 0 7	S. Smith & Co.
†2346	" " in pulp, in 7 or 14 lb. tins ..	"	2,000 "	do.	0 0 6	E. L. Yencken & Co. Pty. Ltd.
†2347	Carmilion, in 7 or 28 lb. parcels ..	U.S.A.	112 "	do.	0 1 0	Brooks, Robinson & Co. Ltd.
†2348	Chrome, Dry, Yellow, any shades ordered, Specification B.10, in 7 or 14 lb. pkgs.	Aust.	15 cwt.	cwt.	5 10 0	W. & G. Dean Pty. Ltd.
†2349	" in oil, Yellow, any shades ordered, Specification B.10, in 7-lb. tins, "United"	"	24 "	do.	5 0 0	Brooks, Robinson & Co. Ltd.
†2350	Green, Oil, dry, in 7 or 28 lb. parcels ..	..	56 lb.	lb.	..	Nil
†2351	" Bronze or Quaker, dry, any shades, in 14 or 28 lb. pkgs., "United"	Aust.	1,000 "	do.	0 0 7	Brooks, Robinson & Co. Ltd.
†2352	" Brunswick, dry, any shades ordered, in 14-lb. and 28-lb. packages, as ordered, Specification B.11, "United"	"	30 cwt.	cwt.	2 11 6	
†2353	Lead, Red, dry, Specification B.5, in 5-cwt. kegs	"	300 "	do.	2 6 6	George Russell Pty. Ltd.
†2353A	" Red, dry, Specification B.5, in 1-cwt. kegs	"		do.	2 8 0	
†2354	" White (Basic Carbonate) dry, genuine, Specification B.1, in 1-cwt. kegs, "Bergers"	"	100 "	do.	2 15 0	H. J. Corder Pty. Ltd.
†2355	" White (Basic Carbonate), in oil, Specification B.1A, in 1-cwt. kegs, "Bergers"	"	10 "	do.	2 18 0	
†2356	Ochre, Dry, any shades ordered, Specification B.9, in 14 or 28 lb. pkgs.	"	6 "	lb.	0 0 2½	George Russell Pty. Ltd.
†2357	Oxide, Red, in oil, Specification B.8, in 56-lb. drums, "Jaro"	"	150 "	cwt.	1 15 0	J. Danks & Son Pty. Ltd.
†2358	Oxide of Iron, Brown, dry, Specification B.8 unground, delivered f.o.r. Bendigo ..	"	100 tons	ton	5 0 0	F. Speed
†2359	Pigment, Tan, dry, to Specification ..	..	2 "	do.	..	Nil
†2360	Pink, Rose, dry, in 7-lb. tins ..	Aust.	10 lb.	lb.	0 1 8	George Russell Pty. Ltd.
†2361	Red, Chinese, dry, in 7-lb. pkgs. ..	U.K.	100 "	do.	0 1 6½	W. & G. Dean Pty. Ltd.
†2362	" Indian, dry, Specification B.6, in 28-lb. pkgs.	Spain	20 cwt.	cwt.	10 6	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
COLOURS, PIGMENTS, AND DYES—continued.								
†2363	Red, Indian, in oil, Specification B.6, in 56-lb. pkgs.	..	10 cwt.	cwt.	..	..	..	Nil
†2364	„ Mail, dry, in 14 and 28 lb. pkgs.	Aust.	500 lb.	lb.	0	1	5½	E. L. Yencken & Co. Pty. Ltd.
†2365	„ Venetian, dry, Specification B.7, in 7 and 14 lb. pkgs.	U.K.	5 cwt.	cwt.	1	1	0	
†2366	„ „ in oil, Specification B.7., in 28-lb. kegs	Aust.		lb.	0	0	7	George Russell Pty. Ltd.
Sienna, Burnt—								
†2367	Dry, Specification B.12, in 7-lb. pkgs.	..	100 lb.	lb.	0	0	3½	Victoria Varnish Co. Pty. Ltd.
†2368	In oil, in 1-cwt. packages, Specification B.12	..	75 cwt.	cwt.	3	10	0	
†2369	„ in 14-lb. and 28-lb. packages, as ordered, Specification B.12	..		do.	3	14	8	
†2370	In pulp, Specification B.12, in 28-lb. pkgs.	..	100 lb.	lb.	0	0	4¾	S. Smith & Co.
Sienna, Raw—								
†2371	In oil, in 1-cwt. packages, Specification B.12, "United"	..	200 cwt.	cwt.	3	14	6	Brooks, Robinson & Co. Ltd.
†2372	„ in 14-lb. and 28-lb. packages, as ordered, Specification B.12, "United"	..		do.	4	1	0	
†2373	In pulp, Specification B.12, in 28-lb. pkgs.	..	800 lb.	lb.	0	0	4	E. L. Yencken & Co. Pty. Ltd.
Umber, Burnt—								
†2374	Dry, Specification, B.12, in 7 and 14 lb. pkgs	..	100 lb.	lb.	0	0	3½	George Russell Pty. Ltd.
†2375	In oil, in 1-cwt. packages, Specification B.12	..	100 cwt.	cwt.	3	3	0	
†2376	„ in 14-lb. and 28-lb. packages, as ordered, Specification B.12	..		lb.	0	0	7¼	
†2377	Vermilion, Pure, deep, in 1 and 7 lb. tins	..	150 lb.	do.	0	5	6	W. & G. Dean Pty. Ltd.
†2378	Whiting (Calcium Carbonate), Specification C.1, in approx. 3-cwt. casks	U.K.	150 cwt.	cwt.	0	6	10½	
†2379	Zinc Sulphate	..	25 lb.	lb.	0	0	4½	Brooks, Robinson & Co. Ltd.
†2380	Zinc Oxide (Zinc White), in Oil, Specification B.2, in 1-cwt. kegs or drums	Aust.	15 cwt.	cwt.	2	12	0	Victoria Varnish Co. Pty. Ltd.
DYES.								
†2381	Dye, Aniline, fast red, Coomassie Milling Scarlet G.	U.K.	1,000 lb.	lb.	0	4	0	British Dyestuffs Corporation Ltd.
Dye, B.A. and S.F.—								
†2382	Black	Germany	5,000 „	do.	0	6	0	Dyes & Chemicals (Aust.) Ltd.
†2383	Blue	..		do.	0	6	0	
†2384	Claret	..		do.	0	6	0	
†2385	Yellow	..		do.	0	6	0	
2386 to 2389	Nil							

PAINT, ENAMEL, ETC.

The Black Bituminous Paint will be used for impregnating stranded wire and painting fittings on the overhead equipment on the Melbourne and Suburban Electric Railways, and shall be of the highest quality.

The rate includes delivery at the store of the Corporation at Laurens-street, North Melbourne.

The Anti-corrosive Grey Paint will be used for painting steel structures of the overhead equipment of the Melbourne and Suburban Electric Railways, and shall be of the highest quality. Any purchase of Anti-corrosive Paint for purposes other than for painting steel structures of the overhead equipment of the Melbourne and Suburban Electric Railways shall *not* be regarded as an infringement of this contract.

The rate includes delivery at the store of the Corporation at Laurens-street, North Melbourne.

†2390	Paint, Distemper, Washable—White, "United"	Aust.	40 cwt.	cwt.	2	0	0	Brooks, Robinson & Co. Ltd.
†2391	Buff, "Taubmans Rocksetta," in 70-lb. tins	..	60 „	do.	2	14	0	Taubmans Pty. Ltd.
†2392	Paint, Enamel, any tints ordered, in ½-gallon tins, "United"	..	200 gals.	gallon	0	17	6	Brooks, Robinson & Co. Ltd.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
PAINT, ENAMEL, ETC.— <i>continued.</i>						
2393	Paint, Enamel, Stove, Cycle— Royal Blue, in 6-lb. tins, "Goodlass, Wall & Co."	Aust.	10 tins	tin	0 7 6	E. L. Yencken & Co. Pty. Ltd.
2394	White, in ½-gallon tins, "Goodlass, Wall & Co."	"	50 tins	do.	0 8 0	
†2395	Paint, Enamel, Black, Finishing, suitable for use on locomotives, in 1-gallon tins, "Sherwin Williams"	"	1,500 gals.	gallon	0 12 3	George Russell Pty. Ltd.
†2396	" Under-coating for Item No. 2395 ..	"	1,500 "	do.	0 12 0	
†2397	" Black, Bituminous Enamel, "E.306," in 4-gallon tins	"	720 "	do.	0 8 9	Taubmans Pty. Ltd.
†2398	" Grey, Anti-corrosive, "C.171," in 4-gallon tins	"	960 "	do.	0 13 0	
2399	" Metal Priming, Black, 7-lb. tins ..	"	5 tins	tin	..	Nil
2400	" " Brown, 7-lb. tins ..	"	5 "	do.	..	
†2401	" Cold Water, "Taubmans Staywhite," in 70-lb. or 56-lb. tins	Aust.	300 cwt.	cwt.	1 10 0	Taubmans Pty. Ltd.
†2401A	" Cold Water, Mill White ..	"		do.	1 10 0	Edinburgh Varnish Works Pty. Ltd.
†2402	" "Majora," "Artona" ..	"	25 gals.	gallon	1 7 6	Norman Macleod & Co.
2403 to 2406	Nil					

PAINTERS' AND GRAINERS' SUNDRIES.

†2407	Aluminium Leaf, best quality, 5½"	Italy	300 books	book of 25 sheets	0 0 3	E. L. Yencken & Co. Pty. Ltd.
†2408	" Powder, best quality (Bronze Aluminium No. 511) in 1-lb. packets	Germany	300 lb.	lb.	0 2 9	Abel Lemon & Co. Pty. Ltd.
†2409	Beeswax	"	800 "	do.	..	Nil
†2410	Cutters, Glass, turret head, No. 1, Goodell Pratt Co.	U.S.A.	150	each	0 1 0½	James Walker
Dabs, Gilders' Camel Hair—						
†2411	No. 3	"	24	do.	..	Nil
†2412	No. 7	"	36	do.	..	
†2413	No. 8	"	100	do.	..	
†2414	No. 12	"	80	do.	..	
†2415	Fitches, Hog Hair Lining, ¾" to 1", as ordered	"	200	do.	..	
Fitches, Hog Hair, flat or round, as ordered, red polished handles—						
†2416	No. 6	"	50	do.	..	Nil
†2417	No. 7	"	5	do.	..	
†2418	No. 8	"	50	do.	..	
†2419	No. 9	"	20	do.	..	
†2420	No. 10	"	150	do.	..	
†2421	No. 11	"	5	do.	..	
†2422	No. 12	"	40	do.	..	
Fitches, Red Sable, in Albata, round—						
†2423	No. 2	U.K.	48	do.	0 0 9	E. L. Yencken & Co. Pty. Ltd.
†2424	No. 3	"	48	do.	0 0 11¼	
†2425	No. 4	"	48	do.	0 1 3	
†2426	No. 5	"	48	do.	0 1 6	
†2427	No. 6	"	48	do.	0 1 10½	
†2428	Gold Leaf, best quality	"	50 books	book of 25 sheets	0 1 5	
†2429	Knives, Hacking, "Tyzack"	"	20	each	0 0 10	James Walker
†2430	" Palette, 6" blade	"	6	do.	0 1 3	Briscoe & Co. Ltd.
†2431	" " 7" blade, "Tyzack"	"	1	do.	0 1 7	James Walker
†2432	" Putty, any sizes ordered, "Tyzack" ..	"	200	do.	0 1 2	
†2433	" Stopping, 6" blade, "Tyzack"	"	350	do.	0 1 5	
Knives, Stripping—						
†2434	1½" blade, "Tyzack"	"	100	do.	0 1 3	E. Duckett & Sons
†2435	2" blade, "Tyzack"	"	300	do.	0 1 5	
†2436	3" blade, "Tyzack"	"	200	do.	0 2 2	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
PAINTERS' AND GRAINERS' SUNDRIES—continued.						
	Pencils, Sable, Writers' or Liners' Best Red—					
2437	Lark	U.K.	100	each	0 0 4½	E. L. Yencken & Co. Pty. Ltd.
†2438	Crow	"	150	do.	0 0 5½	
2439	Duck	"	200	do.	0 0 9½	
†2440	Goose	"	200	do.	0 1 9	H. J. Corder Pty. Ltd.
2441	Extra Goose	"	12	do.	0 2 0	
2442	Mid Swan	"	50	do.	..	Nil
2443	Large Swan	"	100	do.	..	
2444	Extra Swan	"	12	do.	..	
†2445	Plaster of Paris	"	100 cwt.	cwt.	..	H. J. Corder Pty. Ltd.
†2446	Pumice Stone	Italy	5 "	do.	1 18 6	
†2447	Putty in Oil, in 28-lb. tins	Aust.	500 "	do.	*1 1 0	A. Spooner
†2448	" " in drums	"		do.	*0 17 6	
2449	Softening Fluid, in pint tins, "Kynoch"	U.K.	5 pints	pint	0 4 6	Briscoe & Co. Ltd.
†2450	Stones, rubbing	Germany	2,000	each	0 0 7½	Macard, Lund & Co. Ltd.
†2451	Wood, plastic, in 1-lb. tins, "Kynoch"	U.K.	300 lb.	lb.	0 4 0	Briscoe & Co. Ltd.
2452	to Nil					
2454						

* Less 2½ per cent. discount.

GLASS.

The Glass is to be cut to any size and template ordered (polishing and drilling excluded). All circular cuts shall be allowed square measurement.

The Trimidical Glass under Item No. 2492 shall be so cut that when it is placed in position the base of the triangle in pattern shall be horizontal.

Name of Manufacturer—

Brooks, Robinson & Co. Ltd.—Pilkington Bros. Ltd.

†2455	Glass— Amber, any shades ordered	Belgium	200 sq. ft.	sq. ft.	0 0 11	E. L. Yencken & Co. Pty. Ltd.
†2456	Arctic, White	U.K.	150 "	do.	0 0 10	Brooks, Robinson & Co. Ltd.
†2457	" Coloured	"	"	do.	0 1 0	
†2458	Flemish, any colours ordered	"	1,000 "	do.	0 0 11	E. L. Yencken & Co. Pty. Ltd.
†2459	Opal, 16 oz.	Belgium	1,250 "	do.	0 0 9	
†2460	" 21 oz.	"	"	do.	0 0 11	
	Plate, Polished, level, clear and free from blemish, as ordered—					
2461	1/8"	U.K.	4,000 "	do.	0 2 10	Brooks, Robinson & Co. Ltd.
2462	3/16", square feet, 0 to 10	"	4,000 "	do.	0 2 6	
2463	1/4", square feet, 0 to 10	"	5,000 "	do.	0 2 4	
2464	5/16"	"	500 "	do.	0 2 5	
	Plate, Rolled, ribbed—					
2465	1/8"	"	3,000 "	do.	0 0 8½	E. L. Yencken & Co. Pty. Ltd.
2466	3/16"	"		do.	0 0 9	
2467	1/4"	"	1,000 "	do.	0 0 10	Brooks, Robinson & Co. Ltd.
2468	Plate, Silvered, 1/4" bevelled up to 1", as ordered	U.K. & Aust.	300 "	do.	0 4 4	
2469	" " 5/16" bevelled up to 1", as ordered	"	500 "	do.	0 4 5	
†2470	" Wire cast	U.K.	6,000 "	do.	0 1 1	E. L. Yencken & Co. Pty. Ltd.
†2471	" " rolled	"	1,000 "	do.	0 1 1	
2472	Sheet, 16 oz., 0 to 40	Belgium	20,000 "	do.	0 0 3	E. L. Yencken & Co. Pty. Ltd.
2473	" 21 oz., United inches, 0 to 40	"	30,000 "	do.	0 0 3½	
2474	" " " over 40 to 50	U.K.	7,000 "	do.	0 0 5½	Brooks, Robinson & Co. Ltd.
2475	" " " " 50 to 70	"	6,000 "	do.	0 0 6	
2476	" " " " 70 to 80	"	7,000 "	do.	0 0 6½	
2477	" " " " 80 to 90	"	2,000 "	do.	0 0 8	
2478	" " " " 90 to 100	"	400 "	do.	0 0 9	
	Sheets, Glass, 21 oz.—					
2479	12" x 10"	"	5,000 sheets	sheet	0 0 3¾	E. L. Yencken & Co. Pty. Ltd.
2480	16" x 12"	Belgium	300 "	do.	0 0 5	
2481	16" x 14"	"	1,000 "	do.	0 0 6	

Item No.	Description	Country of Manufacture.	Estimated Requirements,	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
<i>GLASS—continued.</i>						
2482	Sheet, 26 oz., United inches, 0 to 40 ..	U.K.	80,000 sq. ft.	sq. ft.	0 0 6½	Brooks, Robinson & Co. Ltd.
2483	" " " " over 40 to 50 ..	"	50,000 "	do.	0 0 8½	
2484	" " " " 50 to 70 ..	"	5,000 "	do.	0 0 9½	
2485	" " " " 70 to 80 ..	"	1,000 "	do.	0 0 9½	
2486	" " " " 80 to 80 ..	"	200 "	do.	0 0 11	
2487	" " " " 90 to 100 ..	"	200 "	do.	0 1 0	E. L. Yencken & Co. Pty. Ltd.
2488	Sheet, Ground, 21 oz. ..	Belgium	1,000 "	do.	0 0 7	
2489	" " 26 oz. ..	U.K.	100 "	do.	0 0 11	Brooks, Robinson & Co. Ltd.
†2490	" Signal green, 16 oz. ..	"	800 "	do.	0 2 8½	
†2491	" " red, 16 oz. ..	"	1,000 "	do.	0 1 1	
†2492	Trimical White ..	"	5,000 "	do.	0 0 11½	
2493 to 2495	Nil.					

SUNDRY BRUSHWARE.

As regards Item 2528.—Two tenders have been accepted and the orders shall be equally divided, provided satisfactory service is rendered.

Brooms—						
†2496	Bass ..	Aust.	2,500	each	0 2 0	Royal Victorian Inst. for the Blind
†2497	Bassine, 24" ..	"	36	do.	0 4 10	J. Zevenboom & Co.
†2498	Bass and Cane ..	"	1,800	do.	0 2 0	Royal Victorian Inst. for the Blind
†2499	All Cane ..	"	5	do.	0 2 6	J. Zevenboom & Co.
†2500	Hair, small ..	"	4,500	do.	0 3 1	Royal Victorian Inst. for the Blind
†2501	" 24" ..	"	1,200	do.	0 7 0	Excelsior Broom Co.
†2502	Millet ..	"	5,000	do.	0 2 8½	
Brushes—						
†2503	Stove, soft ..	"	200	do.	0 0 10	T. Mitchell & Co. Pty. Ltd.
†2504	" hard ..	"	200	do.	0 0 8	
†2505	" oiling ..	"	200	do.	0 0 5	
†2506	Bottle twisted wire ..	"	80	do.	0 0 4	J. Zevenboom & Co.
†2507	Channel ..	"	10	do.	0 1 6	Royal Victorian Inst. for the Blind
†2508	Clothes, lettered V.R. ..	"	50	do.	..	Nil
†2509	Damping, flat, in tin, 4" ..	Aust.	140	do.	0 1 6	J. Zevenboom & Co.
†2510	Dandy ..	"	48	do.	0 1 3	Royal Victorian Inst. for the Blind
†2511	Distemper, Fibre ..	"	300	do.	0 1 4½	J. Zevenboom & Co.
†2512	" Black Hair ..	"		do.	..	..	Nil
†2513	Duster, Painters' ..	Aust.	500	do.	0 2 0	J. Zevenboom & Co.
†2514	Driven Fibre ..	"	600	do.	0 1 3½	
†2515	Flue ..	"	150	do.	0 1 0	Royal Victorian Inst. for the Blind
†2516	Hair, lettered V.R. ..	"	50	do.	..	Nil
†2517	Hand, Banister ..	Aust.	2,500	do.	0 2 2	Royal Victorian Inst. for the Blind
†2518	" " Bassine ..	"	50	do.	0 1 1	
†2519	Louvre, Washing ..	"	3,000	do.	0 0 10	Excelsior Broom Co.
†2520	Lye ..	"	12	do.	0 2 4	J. Zevenboom & Co.
†2521	Nail ..	"	250	do.	0 0 4½	Royal Victorian Inst. for the Blind
†2522	Pan ..	"	20	do.	0 0 6	
†2523	Pick ..	"	24	do.	0 0 7½	
*2524	For cleaning railway points ..	"	1,500	do.	0 0 5½	J. Zevenboom & Co.
†2525	Pot ..	"	5	do.	0 0 5½	
†2526	Scouring ..	"	720	do.	0 1 6	Royal Victorian Inst. for the Blind
†2527	Scrubbing, Deck, coir ..	"	100	do.	0 1 8	
†2528	Scrubbing, Hand ..	"	2,000	do.	0 0 7½	J. Zevenboom & Co.
†2528A	" Hand ..	"		do.	0 0 9	Royal Victorian Inst. for the Blind
†2529	" Angle, Scrub Fibre (Rounded Edge) ..	"	150	do.	0 1 6	Royal Victorian Inst. for the Blind
†2530	Sewer ..	"	150	do.	0 1 5	
†2531	Stencil, 1" ..	"	400	do.	0 0 9½	J. Zevenboom & Co.
†2532	" 1½", Tarpaulin ..	"	50	do.	0 1 8½	
†2533	Swabs, Coir ..	"	20	do.	0 1 11	Royal Victorian Inst. for the Blind
†2534	Tar, handled ..	"	400	do.	0 1 2	J. Zevenboom & Co.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.	
					£ s. d.		
Brushes— SUNDRY BRUSHWARE—continued.							
†2535	Tarpaulin, dressing	Aust.	30	each	0 1 5	Royal Victorian Inst. for the Blind	
*2536	For cleaning typewriter type	"	2,000	dozen	0 6 3	J. Zevenboom & Co.	
†2537	Whitewash, tin bound	"	700	each	0 1 1		
†2538	Wire, 1½" diameter, for cleaning boiler tubes	"	600	do.	0 1 0		
†2539	Whisks, Hand	"	2,000	do.	0 0 7½	Royal Victorian Inst. for the Blind	
	Refilling Heads for Chimney Sweepers—						
2540	With Whalebone	"	12	do.	0 9 0		
2541	With Cane	"	6	do.	0 2 10		
PAINTERS' BRUSHES.							
Brushes, Painters'—							
†2542	2/0	"	50	do.	0 4 6	J. Zevenboom & Co.	
†2543	6/0	"	400	do.	0 9 7½		
†2544	8/0 Capped	"	2,000	do.	0 10 0	S. A. Brush Co. Ltd.	
†2545	Distemper, 10 oz., Copper Band	"	100	do.	1 3 9	J. Zevenboom & Co.	
†2546	" 12 oz., Copper Band	"	6	do.	1 13 0		
Brushes, Varnish—Black Bristle, Bevelled Edge—							
†2547	1½" thick x 1" wide	"	100	do.	0 0 7	Stanford & Pilley	
†2548	1½" thick x 1" wide	"	200	do.	0 0 8½	J. Zevenboom & Co.	
†2549	1½" thick x 1½" wide, "Ace"	"	500	do.	0 1 1½	S. A. Brush Co. Ltd.	
†2550	1½" thick x 2" wide, "Ace"	"	1,000	do.	0 1 7½		
†2551	1½" thick x 3" wide	"	150	do.	0 3 5	J. Zevenboom & Co.	
†2552	1½" thick x 2½" wide, "Ace"	"	500	do.	0 2 3	S. A. Brush Co. Ltd.	
Brushes, Varnish—White Bristle, Fitches, Tin bound, flat—							
†2553	¾" x 5/16"	"	50	do.	0 0 6	J. Zevenboom & Co.	
†2554	¾" x ¾"	"	750	do.	0 0 9½		
†2555	1" x 7/16"	"	1,500	do.	0 1 0		
Brushes—							
†2556	Wall, 3"	"	1,400	do.	0 2 7½	J. Zevenboom & Co.	
†2557	Weatherboard, 3½"	"	800	do.	0 3 3¾		
†2558	" 4"	"	1,000	do.	0 3 9½		
Tools, Sash—							
†2559	No. 1	"	1,000	do.	0 0 4½	S. A. Brush Co. Ltd.	
†2560	No. 3	"	200	do.	0 0 6½		
†2561	No. 4	"	400	do.	0 0 7½		
†2562	No. 5	"	400	do.	0 0 10½		
†2563	No. 6	"	2,000	do.	0 1 1		
†2564	No. 7	"	350	do.	0 1 6		
†2565	No. 8	"	1,500	do.	0 1 9¾		
†2566	No. 9	"	200	do.	0 2 2½		
†2567	No. 10	"	150	do.	0 3 3		
†2568	No. 12	"	400	do.	0 4 2¼		
STEEL BRUSHES.							
Brushes, Steel—							
*2569	Flat	"	300	each	0 1 9	J. Zevenboom & Co.	
*2570	" with handles 48" long	"	2,000	do.	0 2 6½		
*2571	Moulders'	"	100	do.	0 2 5		
*2572	Large	"	400	do.	0 3 0		
*2573	Round, 1½" diameter	"	200	do.	0 1 3		
2574 to 2576	Nil						

CANDLES, MATCHES, SOAP, PARAFFIN WAX, ETC.

As regards Item No. 2591, the Paraffin Wax shall be a pure petroleum or shale product of the very best quality, free from colour, mineral acid or alkali, and mineral matter. The Paraffin Wax shall have a melting point of between 135 degrees and 140 degrees Fahrenheit.

The Paraffin Wax shall be packed in cotton wrappers inside double bags and delivered at the Newport Workshops.

Orders for Paraffin Wax will be placed in minimum lots of 2,240 lbs., and sufficient time (5 weeks) allowed for importation. The rate does not include wharfage, but in order that the Corporation will obtain exemption of wharfage, each shipment should be consigned to the Victorian Railways Commissioners and the Bill of Lading made out in their favor. Wharfage will be arranged by the Corporation, and the Bill of Lading returned to the Contractor to complete delivery.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
CANDLES, MATCHES, SOAP, PARAFFIN WAX, ETC.— <i>continued.</i>								
The contract with the Alston Soap and Candle Manufacturing Co. Ltd. provides that the rates shall include wharfage. If, on any occasion, orders are being issued for sufficient quantities of soap to warrant the Shipping Clerk of this Department clearing wharfage and deducting same from the Contractor's invoice, the necessary instructions are to be issued on the Order and the Contractor advised to consign on the Bill of Lading to the Chief Storekeeper. The amount of wharfage included is 2s. 6d. per ton, and discretion should be exercised by the Storehouse Manager as to when this provision is to be made on orders.								
†2577	Candles, Stearine, full weight or short chamber, as ordered, "Gondola"	Aust.	20,000 lb.	lb.	0	0	8	G. Mowling & Son
†2578	Glycerine, pure, "Kitchen's"	"	4,000 "	do.	0	1	3	J. Kitchen & Sons Pty. Ltd.
†2579	Matches, Wood Safety	"	2,500 gross boxes	gross of boxes	"	"	"	Nil
†2580	Soap, Liquid Cleanser, in 4-gallon tins, for use in floor scrubbing	Aust.	60 gals.	gallon	0	2	0	Briscoe & Co. Ltd.
†2581	" "Snowshine," substitute for "Monkey," in 5-oz. tablets	"	50 lb.	tablet	0	0	13/8	Alston Soap & Candle Mfg. Co. Ltd.
†2582	" Powdered, in 1/2-lb. or 1-lb. packets, as ordered	"	7,000 "	lb.	0	0	7	Arthur Tilley
†2583	" Sand, in boxes of 72 x 12 oz. bars, "Kitchen's"	"	300 boxes	box	0	12	0	J. Kitchen & Sons Pty. Ltd.
†2584	" "Greasoff" substitute for "Solvof," wrapped in tissue paper	"	1,000 cakes	dozen	0	2	1 1/2	Alston Soap & Candle Mfg. Co. Ltd.
†2585	" Soft	"	1,200 cwt.	cwt.	1	8	0	
†2586	" Toilet in cakes, loose in case, "Kitchen's Medium"	"	2,000 lb.	lb.	0	0	7	J. Kitchen & Sons Pty. Ltd.
†2587	" "Velvet," in boxes of 34 bars	"	60 boxes	box of (approx.) 8 lb. net	1	10	5	
†2588	" "Special," yellow, in bars, 32's, "Tulip"	"	600 cwt.	cwt.	1	11	0	G. Mowling & Son
†2589	Soda Crystals, Washing	"	400 "	do.	0	5	6	Briscoe & Co. Ltd.
†2590	Tapers, Wax	U.K.	300 lb.	lb.	0	1	11	
†2591	Wax, Paraffin, for Tarpaulin Dressing	Dutch East Indies.	75,000 "	do.	0	0	3 3/8	British Imperial Oil Coy. Ltd.
2592 to 2594	} Nil							

BELTING, LEATHER, AND LEATHER GOODS.

The Butts supplied under Item 2635 shall be of uniform thickness and special quality, properly trimmed, and shall be free from flesh cuts, blemishes and brands. The Butts shall be prepared with the constituents as in the sample, and shall be close in grain, very firm and capable of resisting an air pressure of not less than 60 lbs. per square inch. The leather shall not be too dry, as it has to be moulded into shape which bends the Butts at right angle.

As regards Item No. 2639, the Hides shall be trimmed to a uniform thickness of approx. 1/4 inch.

The Enamelled Leather under Items Nos. 2642 and 2643 shall be of uniform colour and shade, and free from holes, flesh cuts, and blemishes, and shall be soft and pliable. Each hide supplied shall contain approximately 50 square feet. All measurements as determined by the Chief Storekeeper or his representative at Newport shall be accepted for all purposes of this contract.

The Laminated Belting under Items Nos. 2602 to 2605 shall be perfectly straight and well stretched. The laminations shall be of even grade and thickness and shall be cut from specially selected hides.

The tender of Gardner, Waern & Co. Pty. Ltd., for the supply and delivery of Laminated Belts includes a free service within a radius of 20 miles of the General Post Office, Melbourne. The service consists of fitting and jointing each and every belt when purchased, conditional on the value of the order being £5 or over, and also shortening same whenever required as long as the belt is in existence. Jointing material is not supplied free for this work, neither is any repair or alteration to the belt, due to wear and tear, accident, removal or alteration of machinery done free of cost.

In the event of the Customs Department reducing the rate of duty, viz., 27 1/2 per cent., as the result of an application now before the Tariff Board, same shall not apply, as the rates are tendered on this basis. Any other alteration in the Customs Tariff will be dealt with in accordance with clause 5 of the Conditions of Contract.

BELTING, LEATHER.

†2595 to †2596	Single, hemp sewn—	Aust.	2,500 sq. ft.	sq. ft.	0	3	5 1/2	} Joshua Pitt Pty. Ltd.						
	Up to 4" wide, as ordered								"	400 "	do.	0	3	6 1/2
	4 1/2" to 6" wide, as ordered													

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.	
					£ s. d.		
BELTING, LEATHER, AND LEATHER GOODS—continued.							
† 2597	Single, thong sewn—						
	Up to 4" wide, as ordered	Aust.	800 sq. ft.	sq. ft.	0 3 7	Joshua Pitt Pty. Ltd.	
2598	4½" to 6" wide, as ordered	"	50 "	do.	0 3 8		
	Double, thong sewn—						
2599	Up to 4" wide, as ordered	"	1,000 "	do.	0 7 9½		
† 2600	4½" to 6" wide, as ordered	"	750 "	do.	0 7 10		
2601	6½" to 8" wide, as ordered	"	100 "	do.	0 7 11½		
	Belting, Leather, Laminated, Endless, or otherwise, any widths ordered, "Black Stripe"—						
2602	5/16" thick	"	200 lin. ft.	lin. ft.	Net Price List	Gardner, Waern & Co. Pty. Ltd.	
2603	"	"		do.			
2604	1"	"		do.			
2605	"	"		do.			
	Jointing Material for Laminated Belts—						
2606	Pins, 9", for Belts up to 3" wide	"	..	dozen	0 3 0		
2607	" 12" for Belts from 3¼" to 6" wide	"	..	do.	0 3 6		
2608	" 15" for Belts from 6¼" to 9" wide	"	..	do.	0 4 0		
2609	" 18" for Belts from 9½" to 12" wide	"	..	do.	0 4 9		
2610	" 21" for Belts from 12½" to 15" wide	"	..	do.	0 5 3		
2611	" 24" for Belts from 15½" to 18" wide	"	..	do.	0 5 9		
2612	Needles, 9" for Belts up to 3" wide	"	..	do.	0 4 0		
2613	" 12" for Belts from 3¼" to 6" wide	"	..	do.	0 4 6		
2614	" 15" for Belts from 6¼" to 9" wide	"	..	do.	0 5 0		
2615	" 18" for Belts from 9½" to 12" wide	"	..	do.	0 5 9		
2616	" 21" for Belts from 12½" to 15" wide	"	..	do.	0 6 3		
2617	" 24" for Belts from 15½" to 18" wide	"	..	do.	0 6 9		
2618 to 2625	Nil						
	Threads for jointing laminated belting—						
2626	For 5/16" thick belts	Aust.	6 dozen	dozen	0 10 9	Gardner, Waern & Co. Pty. Ltd.	
2627	" 3/8"	"		do.	0 12 0		
2628	" 1/2"	"		do.	0 13 3		
2629	" 3/4"	"		do.	0 14 6		
					Percentage off Price List submitted by contractor with his tender and current during the period of the contract.		
† 2630	Belting, Composition, flat, "Dick's Original Balata," in the following sizes, as ordered:— 1", 1¼", 1½", 1¾", 2", 2¼", 2½", 2¾", 3", 3½", 4", 4½", 5", 5½" x 3-ply; 1½", 1¾", 2", 2¼", 2½", 2¾", 3", 3½", 4", 4½", 5", 5½", 6", 7", 8", 9", and 10" x 4-ply; 1", 1½", 2", 2½", 2¾", 3", 3½", 4", 4½", 5", 5½", 6", 7", 8", 9", 10", 12", 14" and 16" x 5-ply; 4½", 5", 5½", 6", 7", 8", 9", 10", 12", 14", 16", and 18" x 6-ply; 5", 8", 9", 10", 12", 14", 16" and 18" x 8-ply	U.K.	£1,000	..	40%	Hardie Trading Pty. Ltd.	
† 2631	Belting, Rubberized Canvas—						
	4" wide, in lengths of 9' 4", 4-ply	Aust.	1,000 feet	lin. ft.	0 1 2	Dunlop Rubber Co. of Aust. Ltd.	
2632	4" wide, in rolls to cut lengths of 9' 4", 4-ply, or any length, as ordered	"		do.	0 1 2		
LEATHER.							
† 2633	Leather— Basil, large size	"	5,000	each	0 2 6	Michaelis, Hallenstein & Co. Pty. Ltd.	
† 2634	Bellows	"	200 cwt.	cwt.	9 13 8	Joshua Pitt Pty. Ltd.	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
BELTING, LEATHER, AND LEATHER GOODS—continued.						
LEATHER—continued.						
†2635	Butts	Aust.	30 cwt.	cwt.	18 15 0	Geo. Pizzey & Son Ltd.
†2636	Chrome	"	5 "	do.	21 5 0	
†2637	Harness, Brown	"	30 "	do.	11 5 0	
†2638	" Black	"	60 "	do.	11 5 0	
†2639	Hides, Harness, prepared in Oil, black or brown	"	5 "	do.	23 16 0	Joshua Pitt Pty. Ltd.
†2640	Rein, Brown, stained	"	15 "	do.	14 0 0	Geo. Pizzey & Son Ltd.
†2641	Sole, Trimmed	"	200 "	do.	10 0 8	Joshua Pitt Pty. Ltd.
Leather, Trimming, Enamelled, in hides of (approximately) 50 square feet—						
†2642	Green	}	12,000 sq. f	sq. ft.	0 1 8½	Zwar Bros. Pty. Ltd.
†2642A	"			do.	0 1 8½	Henry P. Zwar Pty. Ltd.
†2642B	"	}	2,500 "	do.	0 1 8½	Howe and Co. Pty. Ltd.
†2643	Antique			do.	0 1 9¼	Henry P. Zwar Pty. Ltd.
†2643A	Blue	}	15,000 "	do.	0 1 8½	Zwar Bros. Pty. Ltd.
†2643B	"			do.	0 1 8½	Henry P. Zwar Pty. Ltd.
†2643C	"	}	5,000 "	do.	0 1 8½	Howe & Co. Pty. Ltd.
†2643D	Black Chrome			do.	0 1 8½	Henry P. Zwar Pty. Ltd.
†2643E	"	do.	5,000 "	do.	0 1 8½	Howe & Co. Pty. Ltd.
Bags-- LEATHER GOODS.						
*2644	Cash, large, plain	Aust.	400	each	0 3 9	Wilkinson, Beale & Tindley Pty. Ltd.
*2645	Tool, Linesmen's	"	36	do.	1 0 0	Michaelis, Hallenstein & Co. Pty. Ltd.
*2646	Cash, Hand, 16"	"	25	do.	..	Nil
*2647	Tool	Aust.	50	do.	1 5 0	Geo. Pizzey & Son Ltd.
*2648	Signal Adjuster	"	20	do.	0 17 6	Michaelis, Hallenstein & Co. Pty. Ltd.
*2649	Motormen's Kit	"	20.	do.	1 6 0	Geo. Pizzey & Son Ltd.
†2650	Guards' Kit	"	10	do.	1 16 6	
*2651	Weighbridge Ticket, lettered, as ordered	"	10	do.	0 11 3	J. S. Cairns
*2652	Carriers, Miniature Staff	"	200	do.	0 2 3	Michaelis, Hallenstein & Co. Pty. Ltd.
†2653	Cases, Attache, solid leather, 16" x 9" approx.	"	50	do.	1 5 6	Geo. Pizzey & Son Ltd.
†2654	Clogs, strong, split kip, blucher pattern, wooden soles, iron shod, sizes 5 to 10, as ordered	"	400 pairs	pair	0 8 11	Mellroy & Plowman Pty. Ltd.
†2655	" heavy, split kip, field, wooden soles, iron shod, sizes 5 to 10, as ordered	"		do.	..	..	Nil
*2656	Gloves, Basil Leather, interchangeable	Aust.	10,000 "	do.	0 2 0	Michaelis, Hallenstein & Co. Pty. Ltd.
*2657	Portfolios, Relieving Stationmasters'	"	10	each	1 3 0	
*2658	Straps, Body Belt, 8' 6" long x 2", with two buckles, the joint to be made at the buckle end (breaking strength not less than 600 lb.)	"	150	do.	0 12 0	
*2659	Straps, Clip, 7' 6" long, 1½" wide, heavy buckles, to stand a test pull of 600 lb.	"	150	do.	0 4 6	
2660 to 2666	Nil					

INDIA-RUBBER GOODS, PACKING, ETC.

SPECIFICATION—RUBBER HOSE.—ITEMS 2675 TO 2690.

All hose must be made of rubber and cotton fabric, each of the best of its kind, made for the purpose; no rubber substitutes or short fibre cotton to be used.

Hose must be soft and pliable, uniformly and smoothly finished.

All hose delivered under the following items shall meet the requirements specified hereunder:—

Item No.	Inside Diameter.	Outside Diameter.	Length.	Ply.	Bursting Pressure.
					lbs.
2675	¾ in.	7 ⅞ in.	60 feet	5	300
2677	1 in.	9 ⅞ in.	As ordered	3	400
2678	1 ¼ in.	11 ⅞ in.	"	3	300
2679	1 in.	10 ⅞ in.	"	3	300
2680	1 ½ in.	13 in.	"	3	500
2682	1 ¾ in.	15 ⅞ in.	"	4	756
2683	2 in.	17 ⅞ in.	"	4	375
2684	2 ¼ in.	20 in.	"	4	300
2685	2 in.	19 ⅞ in.	"	4	375
2687	2 in.	19 ⅞ in.	40 feet	4	375
2688	1 ½ in.	13 ⅞ in.	As ordered	5	1,288

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	

INDIA-RUBBER GOODS, PACKING, ETC.—continued.

SPECIFICATION—I.R. SHEET.—ITEMS 2696 TO 2698.

Material.—All matting must be made of rubber and canvas, each of the best of its kind made for the purpose; no rubber substitutes to be used.

The matting must be soft and pliable, uniformly and smoothly finished.

The matting when tested shall comply with the following physical requirements:—

Tensile strength of Rubber Compound, not less than 275 lb. per square inch.

Elongation of Rubber Compound, not less than 50 per cent. in 2 inches.

Tensile strength of Complete Matting, not less than 650 lb. per square inch.

Allowable variation of thickness from that ordered—Under, nil; over, .035 inch.

SPECIFICATION—I.R. TYRES.—ITEMS 2708 TO 2712.

As regards Items Nos. 2708 to 2712, the Tyres shall be of the very best quality, solid grey india-rubber, and shall be securely vulcanized to the rims of the Corporation's vehicles. The moulds and rims may be inspected at the workshops of the Corporation at Newport. The moulds and rims will be delivered to the Contractor at the Metropolitan Receiving Depot, and shall be returned with the tyres and rims on the completion of an order or on demand in good order and condition to the Metropolitan Receiving Depot.

As regards item No. 2744, three months are to be allowed to meet initial orders.

†2667	Boots, Thigh, sizes 8, 9, or 10, as ordered ..	Aust.	100 pairs	pair	1 13 0	Dunlop Rubber Co. of Aust. Ltd.
†2668	Bumpers, 3/8"	"	700 doz.	dozen	0 1 6 1/2	
†2669	" M.M.B.W.	"	150 "	do.	0 0 7	
*2670	Gaskets, for 3" " B. & W." Headers, oval ..	U.K.	88,000	100	0 10 0	Robert Bryce & Co. Pty. Ltd.
*2671	" for 4" " B. & W." headed joints, oval ..	"	11,000	do.	0 15 0	
*2672	" manhole, inside 14" x 11", outside 16 1/2" x 13 1/2", "Bell's Victor" ..	"	25	each	0 2 9	
*2673	" square, for superheaters, Babcock and Wilcox boilers ..	"	1,500	100	0 14 0	Agency Ltd. Robert Bryce & Co. Pty. Ltd.
†2674	Gloves, sizes 6, 7, 8, 9, or 10, as ordered ..	"	100 pairs	pair	..	Nil
†2675	Hose, India-rubber, vulcanized— 5-ply, 3/8" diameter, in 60' lengths, for steam or air, as ordered ..	Aust.	12 lengths	length	2 3 11	Dunlop Rubber Co. of Aust. Ltd.
†2676	3-ply, 3/4" diameter, Armoured ..	"	2,000 feet	foot	0 0 7	
†2677	" 1/2" diameter, ordinary quality ..	"	1,000 "	do.	0 0 5 1/2	
†2678	" 3/4" " " " " ..	"	8,000 "	do.	0 0 6 1/2	
†2679	" 1" " " " " ..	"	1,000 "	do.	0 0 7	
†2680	" 1 1/2" " " " " ..	"	300 "	do.	0 1 6	
†2681	4-ply, 3/8" diameter, chemical ..	"	500 "	do.	0 0 5 3/4	
†2682	" 3/4" diameter, special quality ..	"	1,500 "	do.	0 0 10 3/4	
†2683	" 2" diameter	"	200 "	do.	0 1 10 3/4	
†2684	" 2 1/2" " " " " ..	"	5,000 "	do.	0 2 2 3/4	
†2685	" 2" diameter, Armoured outside ..	"	8,000 "	do.	0 2 1	
†2686	" 2" diameter, Armoured inside (suction) smooth bore ..	"	2,000 "	do.	0 2 6 1/2	
†2687	" 2", special quality, in 40' lengths ..	"	10 lengths	length	4 2 6	Barnet Glass Rubber Co. Ltd.
†2688	5-ply, 1/2" diameter (for use of Way and Works Branch only) ..	"	4,000 feet	foot	0 1 0	Dunlop Rubber Co. of Aust. Ltd.
†2689	" 1 1/8" diameter, for steam ..	"	200 "	do.	0 1 8 1/2	Barnet Glass Rubber Co. Ltd.
†2690	6-ply, 3/4" diameter, Armoured outside ..	"	2,500 "	do.	0 1 0 1/2	Dunlop Rubber Co. of Aust. Ltd.
†2691	India-rubber, Sheet, Vulcanized— With canvas insertion, any sizes and thicknesses ordered ..	"	8,000 lb.	lb.	0 0 11	Dunlop Rubber Co. of Aust. Ltd.
†2692	With fibrous insertion, any sizes and thicknesses ordered ..	"		do.	0 0 11	
†2693	India-rubber, Sheet, Brown— 1/2"	"	3,000 lb.	do.	0 1 11	Perdriau Rubber Co. Ltd. (Victorian Branch)
†2694	3/4"	"		do.	0 1 11	
†2695	1"	"		do.	0 1 11	
†2696	India-rubber, Sheet, Brown, backed— 1/8" thick x 26 1/2" wide	"	200 l. yds.	lin. yd.	0 8 4	Dunlop Rubber Co. of Aust. Ltd.
†2697	1/4" thick x 36" wide	"	500 "	do.	0 11 5	
†2698	1/2" thick x 48" wide	"	200 "	do.	0 15 3	
†2699	Mallets, I.R., hard grade, handled— 3 1/2" diameter x 5 1/2" long, "Miller Rubber Co." ..	U.S.A.	25	each	0 11 8	McPherson's Pty. Ltd.
†2700	2 1/2" diameter x 4 1/2" long, "Miller Rubber Co." ..	"	25	do.	0 6 4	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
INDIA-RUBBER GOODS, PACKING, ETC.—continued.						
†2701	Respirators .. .. .	..	200	each	..	Nil
†2702	Rollers, Feed, for Edison Mimeograph ..	Aust.	150	do.	0 0 4	Barnet Glass Rubber Co. Ltd.
†2703	Solution, I.R., in kerosene tins .. .. .	..	1,500 lb.	lb.	0 0 11½	Dunlop Rubber Co. of Aust. Ltd.
†2704	„ Shellac, in kerosene tins .. .. .	..	200 „	do.	0 1 11¾	
†2705	Tips, Finger, pinnacle type .. .. .	..	1,000 doz.	dozen	0 0 5½	Barnet Glass Rubber Co. Ltd.
†2706	Tubing, ¾" diameter .. .. .	..	700 feet	foot	..	} Nil
†2707	„ ½" diameter .. .. .	..	200 „	do.	..	
	Tires, solid rubber, to be moulded on wheels, for industrial trucks—					
2708	6½" diameter x 6½"	Aust.	4	each	3 5 2	} Dunlop Rubber Co. of Aust. Ltd.
2709	6½" diameter x 5" .. .. .	..	4	do.	2 3 4	
2710	11½" diameter x 4½" .. .. .	..	4	do.	2 16 0	
2711	16" diameter x 4" .. .. .	..	12	do.	3 10 0	
2712	17½" diameter x 3½" .. .. .	..	4	do.	4 5 4	
	Washers, I.R.—					
†2713	Gauge Glass, flat or round, as ordered, any sizes ordered .. .. .	..	12 doz.	dozen	0 0 8	Barnet Glass Rubber Co. Ltd.
†2714	Gauge Glass, hexagonal, for "B. & W." Boilers, 210-lb. pressure .. .. .	..	40 „	do.	0 1 13¾	} Dunlop Rubber Co. of Aust. Ltd.
†2715	Gauge Glass, "Woodite" .. .. .	..	4 „	do.	0 1 2¾	
†2716	With Insertion, any sizes ordered, not exceeding 6" .. .. .	..	120 „	do.	..	} Nil
†2716A	With Insertion, any sizes ordered, over 6" .. .. .	..		do.	..	
†2717	Royle's Union	Aust.	20 „	do.	0 1 4½	Dunlop Rubber Co. of Aust. Ltd.
	Washers, Westinghouse Brake Hose—					
*2718	¾" .. .. .	..	1,200 „	do.	..	Nil
*2719	1½"	Aust.		do.	0 1 3¾	Dunlop Rubber Co. of Aust. Ltd.
*2720	1½" .. .. .	..		do.	0 1 9	Barnet Glass Rubber Co. Ltd.
PACKING, ETC.						
	Packing, Asbestos—					
†2721	Any sizes ordered, plaited	U.K.	40 lb.	lb.	0 1 8	Bells Asbestos Aust. Agency Ltd.
†2722	Cord or Yarn .. .. .	..	1,000 „	do.	0 1 5	Dane, Taylor & Co.
†2723	Wire Woven, ¾", "Leopard," square .. .. .	..	112 „	do.	0 3 3	C. H. Lillington
†2724	Millboard, any thicknesses ordered .. .. .	..	12,000 „	do.	0 0 3½	Bells Asbestos Aust. Agency Ltd.
†2725	Packing (Dugong), "Sunlight," ¼", ⅜", ½", ⅝" and ¾" as ordered	Aust.	500 „	do.	0 1 5	Dunlop Rubber Co. of Aust. Ltd.
†2726	Packing, Patent, up to ⅝" thick, as ordered, "Bellite"	U.K.	8,000 „	do.	0 1 8	Bells Asbestos Aust. Agency Ltd.
	Packing, Greasy Hemp, Round—					
†2727	¾" .. .. .	..	30 „	do.	..	} Nil
†2728	1" .. .. .	..	100 „	do.	..	
†2729	1½" .. .. .	..	50 „	do.	..	
	Packing, Greasy Hemp, Square, "Tuck's"—					
†2730	¾"	Aust.	100 „	do.	0 1 4	} Wm. Adams & Co. Ltd.
†2731	1" .. .. .	..	100 „	do.	0 1 2	
†2732	1½" .. .. .	..	100 „	do.	0 1 2	
†2733	1" .. .. .	..	30 „	do.	0 1 2	
	Packing, Snowball, Round—					
†2734	¾" .. .. .	..	56 „	do.	..	} Nil
†2735	1" .. .. .	..	56 „	do.	..	
†2736	1½" .. .. .	..	56 „	do.	..	
†2737	¾" .. .. .	..	56 „	do.	..	
†2738	Packing, Square, ¼" and up to less than ⅝", as ordered	Aust.	150 cwt.	cwt	14 0 0	} Barnet Glass Rubber Co. Ltd.
†2739	„ „ ⅝" and over, as ordered .. .. .	..		do.	12 16 8	
†2740	Asbestos Compound, "Aust. Pigment Co." .. .. .	..	20 „	do.	0 12 6	McPherson's Pty. Ltd.
BELTING.						
†2741	Belting, 3" wide x 4-ply, canvas duck, treated with rubber composition, unstitched, for driving train-lighting dynamos	Aust.	10,000 feet	foot	0 0 11½	Dunlop Rubber Co. of Aust. Ltd.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
INDIA-RUBBER GOODS, PACKING, ETC.—continued.						
*2742	EBONITE ACCUMULATOR ACCESSORIES. Ebonite Fork Separators'	Aust.	600 doz.	dozen	0 3 8	Dunlop Rubber Co. of Aust. Ltd.
*2743	„ Cell-testing Tubes	„	1,600 „	do.	0 2 7½	Barnet Glass Rubber Co. Ltd.
*2744	Accumulator Floats, "J. Stone & Co."	U.K.	300 „	do.	0 7 6	Coates & Co. Pty. Ltd.
EBONITE SIDE SHEETS.						
*2745	11-pt., 11½" x 5½" x 19 B.W.G.	Aust.	1,200 „	do.	0 6 4	Dunlop Rubber Co. of Aust. Ltd.
*2746	15-pt., 11½" x 7½" x 19 B.W.G.	„	200 „	do.	0 8 4	
*2747	21-pt., 11½" x 11" x 19 B.W.G.	„	4 „	do.	0 12 0	
EBONITE BOTTOM SHEETS.						
*2748	11-pt., 5½" x 5½" x 19 B.W.G.	„	200 „	do.	0 3 8	Dunlop Rubber Co. of Aust. Ltd.
*2749	15-pt., 7½" x 5½" x 19 B.W.G.	„	100 „	do.	0 4 8	
2750 to 2754	Nil.					

TIMBER.

The Contractor shall, in respect of each delivery of the Timber, give to the Chief Storekeeper reasonable notice so that the inspection of the Timber may be arranged for.

Excepting as provided for hereunder, the Timber, other than that required for use at Newport, will be inspected at any railway station at which such Timber shall have been delivered as provided for in clause 8 of the Conditions of Contract, and will be liable to rejection at such railway station in manner provided in clause 12 of the said Conditions of Contract.

No timber required for use at Newport or Spotswood will be inspected until it shall have been received at Newport or Spotswood, and it will then be liable to rejection in manner provided in clause 12 of the said Conditions of Contract.

Notwithstanding anything to the contrary contained in the said clause 12, the Contractor will not be required in respect of any Timber so rejected at Newport or Spotswood to pay carriage on the same to Newport or Spotswood from the railway station at which such Timber so rejected shall have been delivered as aforesaid. In the event of the Contractor requiring such rejected Timber to be carried by rail from Newport or Spotswood to the railway station at which the same was delivered as aforesaid or to any other railway station or siding, full railway freight will be charged therefor.

If the inspection is to be made at the Contractor's yard or River Yarra Wharfs the Timber will be there inspected, passed, and branded by the Receiving Officer, and the Contractor shall, unless directed to the contrary by the Receiving Officer, within 24 hours after such inspection, passing, and branding, deliver to the Corporation at Spencer-street Railway Station the whole of the Timber so inspected, passed, and branded, and failing such delivery within 24 hours aforesaid, the Chief Storekeeper, notwithstanding such inspection, passing, and branding by the Receiving Officer, will be entitled and shall have full power to reject either at the Contractor's yard or the River Yarra Wharfs or after its arrival at Newport or Spotswood the whole or any portion of the Timber in respect of which such failure shall have occurred.

The Contractor shall have the Timber ordered ready for inspection within 48 hours after service of the order upon the Contractor, or within such other time as the Chief Storekeeper may fix in writing as fair and reasonable, and the Contractor shall at his own cost have the Timber turned over and properly exhibited to the Receiving Officer so that he may inspect the same to his complete satisfaction.

The Timber shall be supplied in such sections and shapes as may be ordered, and shall be of the first quality, thoroughly seasoned, free from knots, shakes, heart, sap, and all other imperfections, thoroughly sound, and close grained or free, as may be required.

No allowance will be made for sawing timber if the cut is an equal, i.e., two out of; but payment will be made for the size of Timber at the largest end where it is necessary to saw Timber to taper or other peculiar sections or shapes.

Timber supplied for use at the Newport Locomotive Workshops shall be delivered in such lengths as may be ordered, or in such lengths as will cut thereto without waste.

Timber supplied for use elsewhere than at the Newport Locomotive Workshops, if ordered for stock, will, subject to the Conditions of Contract, be accepted in lengths approximate to those ordered, and if ordered for use in any particular work, then, in the event of any lengths longer than those ordered being delivered and accepted, only the actual lengths as ordered will be paid for, and, in the event of any lengths shorter than those ordered being delivered, they will only be accepted if such shorter lengths are suitable for the particular work, such shorter lengths to be then paid for on the basis of their lengths, excluding fractions of a foot.

In the event of Timber being ordered for the Works Depot at Laurens-street, North Melbourne, and where such Timber will be supplied ex-Metropolitan Yards or ex-Wharf, the Contractor shall give delivery by-road, and the rates in this Schedule shall include the cost of such delivery.

Further, inspection in such instances will not be made until the Timber has been received at the Depot referred to. Unless the Timber be ordered in lengths involving some fraction of a foot, no fraction of a foot in length will be paid for.

The Contractor will not be required to load the Timber into railway trucks.

Each board supplied under Items 2950, 2951, and 2954 shall bear the stamp of the saw-mill at which it is sawn.

MOULDINGS, ETC.

The Contractor shall, in respect of each delivery of the Mouldings, &c., give to the Chief Storekeeper reasonable notice, so that the inspection of the Mouldings, &c., may be arranged for.

The Mouldings, &c., will be inspected at any railway station at which they shall have been delivered, as provided for in clause 8 of the annexed Conditions of Contract, and will be liable to rejection at such railway station in manner provided in clause 12 of the said Conditions of Contract.

The Timber supplied shall be of the first quality, thoroughly seasoned, free from knots, shakes, heart, sap, and all other imperfections.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.		
					£ s. d.			
TIMBER.								
	Hoop Pine, 1½" thick, up to 10' in length—							
2755	12" wide		3,000	100 sup. ft. of 1" thick	..	} Nil		
2756	14" wide			do.	..			
2757	16" wide			do.	..			
2758	18" wide			do.	..			
	Hoop Pine, 1½" thick, over 10' and up to 20' in length—							
2759	12" wide		3,000	do.	..		} Nil	
2760	14" wide			do.	..			
2761	16" wide			do.	..			
2762	18" wide			do.	..			
	Hoop Pine, 1½" thick, up to 10' in length—							
2763	12" wide		3,000	do.	..			} Nil
2764	14" wide			do.	..			
2765	16" wide			do.	..			
2766	18" wide			do.	..			
	Hoop Pine, 1½" thick, over 10' and up to 20' in length—							
2767	12" wide		3,000	do.	..	} Nil		
2768	14" wide			do.	..			
2769	16" wide			do.	..			
2770	18" wide			do.	..			
	Jarrah, in lengths 9' and upwards—							
2771	4" x 2" to 12" x 2", as ordered ..	Aust.	2,000	do.	2 3 6		} Millars' Timber & Trading Co. Ltd.	
2772	Other Trade sections up to 9" x 9"	"	5,000	do.	2 5 0			
	Kauri, Queensland, 1" thick, up to 10' in length—							
2773	12" wide	Aust.	3,000	do.	4 5 0		} H. Beecham & Co. Pty. Ltd.	
2774	14" wide	"		do.	4 7 6			
2775	16" wide	"		do.	4 10 0			
2776	18" wide	"		do.	4 12 6			
2777	20" wide	"		do.	6 0 0			
2778	22" wide	"		do.	6 5 0			
2779	24" wide	"		do.	7 0 0			
	Kauri, Queensland, 1" thick, over 10' and up to 20' in length—							
2780	12" wide	"	3,000	do.	4 5 0	} H. Beecham & Co. Pty. Ltd.		
2781	14" wide	"		do.	4 7 6			
2782	16" wide	"		do.	4 10 0			
2783	18" wide	"		do.	4 12 6			
2784	20" wide	"		do.	6 0 0			
2785	22" wide	"		do.	6 5 0			
2786	24" wide	"		do.	7 0 0			
	Kauri, Queensland, 1½" thick, up to 10' in length—							
2787	12" wide	"	2,000	do.	4 5 0		} H. Beecham & Co. Pty. Ltd.	
2788	14" wide	"		do.	4 7 6			
2789	16" wide	"		do.	4 10 0			
2790	18" wide	"		do.	4 12 6			
2791	20" wide	"		do.	6 0 0			
2792	22" wide	"		do.	6 5 0			
2793	24" wide	"		do.	7 0 0			
	Kauri, Queensland, 1½" thick, over 10' and up to 20' in length—							
2794	12" wide	"	2,000	do.	4 5 0	} H. Beecham & Co. Pty. Ltd.		
2795	14" wide	"		do.	4 7 6			
2796	16" wide	"		do.	4 10 0			
2797	18" wide	"		do.	4 12 6			
2798	20" wide	"		do.	6 0 0			
2799	22" wide	"		do.	6 5 0			
2800	24" wide	"		do.	7 0 0			

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
<i>TIMBER—continued.</i>						
2801	Yellow Pine, $\frac{5}{8}$ " thick, up to 10' in length— 12" wide			100 ft. super. on face	..	} Nil
2802	14" wide			do.	..	
2803	16" wide			do.	..	
2804	18" wide			do.	..	
2805	Yellow Pine, $\frac{5}{8}$ " thick, up to 16' in length— 12" wide	U.S.A.	} Super. ft. on face 10,000	do.	1 19 9	} J. Sharp & Sons Ltd.
2806	14" wide	"		do.	2 2 9	
2807	16" wide	"		do.	2 5 0	
2808	18" wide	"		do.	2 6 3	
				Sup. ft. of 1" thick		
2809	Yellow Pine, 1" thick, up to 10' in length— 12" wide			100 sup. ft. of 1" thick	..	} Nil
2810	14" wide			do.	..	
2811	16" wide			do.	..	
2812	18" wide			do.	..	
2813	Yellow Pine, 1" thick, up to 16' in length— 12" wide	U.S.A.	} 30,000	do.	2 12 1	} H. Beecham & Co. Pty. Ltd.
2814	14" wide	"		do.	2 14 2	
2815	16" wide	"		do.	2 16 2	
2816	18" wide	"		do.	2 18 2	
2817	Yellow Pine, $1\frac{1}{2}$ " thick, up to 10' in length— 12" wide			do.	..	} Nil
2818	14" wide			do.	..	
2819	16" wide			do.	..	
2820	18" wide			do.	..	
2821	Yellow Pine, $1\frac{1}{2}$ " thick, up to 16' in length— 12" wide	U.S.A.	} 60,000	do.	2 12 1	} H. Beecham & Co. Pty. Ltd.
2822	14" wide	"		do.	2 14 2	
2823	16" wide	"		do.	2 16 2	
2824	18" wide	"		do.	2 18 2	
2825	Yellow Pine, $1\frac{1}{2}$ " thick, up to 10' in length— 12" wide			do.	..	} Nil
2826	14" wide			do.	..	
2827	16" wide			do.	..	
2828	18" wide			do.	..	
2829	Yellow Pine, $1\frac{1}{2}$ " thick, up to 16' in length— 12" wide	U.S.A.	} 30,000	do.	2 12 1	} H. Beecham & Co. Pty. Ltd.
2830	14" wide	"		do.	2 14 2	
2831	16" wide	"		do.	2 16 2	
2832	18" wide	"		do.	2 18 2	
2833	Yellow Pine, 2" thick, up to 10' in length— 12" wide			do.	..	} Nil
2834	14" wide			do.	..	
2835	16" wide			do.	..	
2836	18" wide			do.	..	
2837	Yellow Pine, 2" thick, up to 16' in length— 12" wide	U.S.A.	} 60,000	do.	2 12 1	} H. Beecham & Co. Pty. Ltd.
2838	14" wide	"		do.	2 14 2	
2839	16" wide	"		do.	2 16 2	
2840	18" wide	"		do.	2 18 2	
2841	Red Pine, 12" and up to 20" wide, up to 10' in length— $\frac{1}{2}$ " thick		Super. ft. on face 8,000	100 ft. super. on face	..	} Nil
2842	$\frac{5}{8}$ " thick		Super. ft. of 1" thick	do.	..	
2843	1" thick			100 sup. ft. of 1" thick	..	
2844	$1\frac{1}{2}$ " thick		60,000	do.	..	
2845	$1\frac{3}{4}$ " thick			do.	..	} Nil
2846	2" thick			do.	..	
2847	$2\frac{1}{2}$ " thick			do.	..	
2848	3" thick			do.	..	
2849	4" thick			do.	..	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	

TIMBER—continued.

2850	Red Pine, 12" and up to 20" wide, up to 20' in length— ½" thick	U.S.A.	8,000	Super. ft. on face	100 ft. super. on face	1 15 6	H. Beecham & Co. Pty. Ltd.
2851	¾" thick	"		Sup. ft. of 1" thick	do.	2 1 9	
2852	1" thick	"	60,000	100 sup. ft. of 1" thick	2 13 0		
2853	1½" thick	"		do.	2 13 0		
2854	1½" thick	"		do.	2 13 0		
2855	2" thick	"		do.	2 13 0		
2856	2½" thick	"		do.	2 13 0		
2857	3" thick	"		do.	2 13 0		
2858	4" thick	"	do.	2 13 0			
2859	Maple, Queensland, ¾" thick, up to 10' in length— 12" wide		Super. ft. on face	100 ft. super. on face	..	Nil	
2860	14" wide			do.	..		
2861	16" wide			do.	..		
2862	18" wide			do.	..		
2863	Maple, Queensland, ¾" thick, up to 20' in length— 12" wide	Aust.	500		do.	5 16 8	H. Beecham & Co. Pty. Ltd.
2864	14" wide	"		do.	5 16 8		
2865	16" wide	"		do.	5 16 8		
2866	18" wide	"		do.	5 16 8		
2867	Maple, Queensland, 1" thick, up to 10' in length— 12" wide		Sup. ft. of 1" thick	100 sup. ft. of 1" thick	..	Nil	
2868	14" wide			do.	..		
2869	16" wide			do.	..		
2870	18" wide			do.	..		
2871	Maple, Queensland, 1" thick, up to 20' in length— 12" wide	Aust.	4,000		do.	6 17 6	H. Beecham & Co. Pty. Ltd.
2872	14" wide	"		do.	6 17 6		
2873	16" wide	"		do.	6 17 6		
2874	18" wide	"		do.	6 17 6		
2875	Maple, Queensland, 1¼" thick, up to 10' in length— 12" wide			do.	..	Nil	
2876	14" wide			do.	..		
2877	16" wide			do.	..		
2878	18" wide			do.	..		
2879	Maple, Queensland, 1¼" thick, up to 20' in length— 12" wide	Aust.	1,000		do.	6 17 6	H. Beecham & Co. Pty. Ltd.
2880	14" wide	"		do.	6 17 6		
2881	16" wide	"		do.	6 17 6		
2882	18" wide	"		do.	6 17 6		
2883	Mountain Ash or Tasmanian Oak, "cut on the quarter," up to 12" wide, up to 10' in length— 1" thick		18,000		do.	..	Nil
2884	1½" thick			do.	..		
2885	1½" thick			do.	..		
2886	2" thick			do.	..		
2887	2½" thick			do.	..		
2888	3" thick			do.	..		
2889	4" thick			do.	..		
2890	5" thick			do.	..		
2891	6" thick		do.	..			

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
<i>TIMBER—continued.</i>						
	Mountain Ash or Tasmanian Oak "cut on the quarter," up to 12" wide, over 10' and up to 20' in length—			Per 100 super. ft. of 1" thick.		
2892	1" thick		18,000	do.	..	Nil
2893	1½" thick			do.	..	
2894	1¾" thick			do.	..	
2895	2" thick			do.	..	
2896	2½" thick			do.	..	
2897	3" thick			do.	..	
2898	4" thick			do.	..	
2899	5" thick			do.	..	
2900	6" thick		do.	..		
	<i>Note.</i> —For the purpose of this Contract timber "cut on the quarter" shall be deemed to comprise timber in which the inclination of the annular rings, as viewed over a cross-section of the piece, shall be at an angle of not less than 45° to the greatest width of the cross-section.					
	Oregon, up to 32' in length—					
2901	1" to 6" thick, up to 12" wide, merchantable	U.S.A.	1,000,000	do.	1 4 0	H. Beecham & Co. Pty. Ltd.
2902	1" to 6" thick, up to 12" wide, No. 2 Clear or better	"	400,000	do.	1 12 5	
2903	1" to 6" thick, up to 12" wide (selected)	"		do.	1 12 5	
2904	1" to 6" thick, over 12" and up to 18" wide, merchantable	"	24,000	do.	1 4 0	
2905	1" to 6" thick, over 12" and up to 18" wide, No. 2 Clear or better	"	1,000,000	do.	1 12 5	
2906	1" to 6" thick, over 12" and up to 18" wide (selected)	"		do.	1 12 5	
2907	1" to 6" thick, over 18" and up to 24" wide (selected)	"		do.	1 12 5	
2908	1" to 6" thick, over 24" and up to 36" wide (selected)	"		do.	1 12 5	
2909	Over 6" to 9" thick, up to 12" wide, merchantable	"	80,000	do.	1 4 0	
2910	Over 9" to 12" thick, up to 12" wide, merchantable	"	26,000	do.	1 4 0	
2911	Over 12" to 20" thick, over 12" to 20" wide, No. 2 Clear or better	"	4,000	do.	2 8 0	
	Oregon, over 32' and up to 40' in length—					
2912	1" to 6" thick, up to 12" wide, No. 2 Clear or better	"	10,000	do.	1 12 5	
2913	1" to 6" thick, up to 12" wide (selected)	"	10,000	do.	1 12 5	
2914	Over 9" to 12" thick, up to 12" wide, merchantable	"	12,000	do.	1 4 0	
2915	Over 9" to 12" thick, up to 12" wide (selected)	"	8,000	do.	1 18 6	
2916	Over 12" to 20" thick, over 12" to 20" wide (selected)	"	10,000	do.	2 8 0	
	Oregon, over 40' and up to 50' in length—					
2917	Over 6" to 9" thick, up to 12" wide, No. 2 Clear or better	"	12,000	do.	2 15 0	J. Sharp & Sons Ltd.
2918	Over 6" to 9" thick, up to 12" wide (selected)	"	10,000	do.	3 0 0	H. Beecham & Co. Pty. Ltd.
2919	Over 9" to 12" thick, up to 12" wide, No. 2 Clear or better	"	5,000	do.	2 15 0	J. Sharp & Sons Ltd.
2920	Over 9" to 12" thick, up to 12" wide (selected)	"	10,000	do.	3 0 0	H. Beecham & Co. Pty. Ltd.
2921	Over 12" to 20" thick, over 12" to 20" wide, No. 2 Clear or better	"	7,000	do.	2 15 0	J. Sharp & Sons Ltd.
2922	Over 12" to 20" thick, over 12" to 20" wide (selected)	"	12,000	do.	3 0 0	H. Beecham & Co. Pty. Ltd.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
<i>TIMBER—continued.</i>								
	Deal, Red Baltic, up to 9" wide, in lengths 10' and up—		Super. feet of 1" thick.					
2923	2½" thick	Scand.	5,000	100 super. feet of 1" thick.	2	1	0	
2924	3" thick	"		do.	2	1	0	
2925	4" thick	"		do.	2	10	0	
	Shelving, Yellow Pine, ¾" thick, up to 12" wide, dressed—		Sup. ft. on face	100 ft. super. on face				
2926	Up to 6' in length	U.S.A.	250	do.	2	11	0	
2927	Over 6' and up to 12' in length	"		do.	2	11	0	
2928	Over 12' and up to 16' in length	"		do.	2	11	0	
	Shelving, Yellow Pine, ¾" thick, over 12" and up to 18" wide, dressed—		500	do.	2	17	6	
2929	Up to 6' in length	"		do.	2	17	6	
2930	Over 6' and up to 12' in length	"		do.	2	17	6	
2931	Over 12' and up to 16' in length	"	do.	2	17	6	J. Sharp & Sons Ltd.	
	Shelving, Yellow Pine, 1" thick, up to 12" wide, dressed—		Sup. ft. of 1" thick	100 sup. ft. of 1" thick	3	4		6
2932	Up to 6' in length	"	1,000	do.	3	4		6
2933	Over 6' and up to 12' in length	"		do.	3	4	6	
2934	Over 12' and up to 16' in length	"		do.	3	4	6	
	Shelving, Yellow Pine, 1" thick, over 12" and up to 18" wide, dressed—		1,000	do.	3	9	6	
2935	Up to 6' in length	"		do.	3	9	6	
2936	Over 6' and up to 12' in length	"		do.	3	9	6	
2937	Over 12' and up to 16' in length	"	do.	3	9	6	H. Beecham & Co. Pty. Ltd.	
	Wrought Red Deal, Baltic, in lengths 10' and over—		Run. ft.	100 ft. run.	0	9		0
2938	4" x ½", T. and G., V-jointed	Scand.	38,000	do.	0	10		11
2939	4" x ¾", T. and G.	"	60,000	do.	0	10	11	
2940	6" x ½", T. and G., V-jointed	"	80,000	do.	0	10	11	
2941	6" x ½", T. and G., beaded jointed	"	20,000	do.	0	10	10½	
2942	6" x ½", rebated and V-jointed	"	160,000	do.	0	10	11	
2943	6" x ½", rebated and beaded jointed	"	112,000	do.	0	10	11	
2944	6" x ¾", T. and G., V-jointed	"	1,200	do.	0	14	3	
2945	6" x ¾", T. and G., beaded jointed	"	7,000	do.	0	13	0	
2946	6" x ¾", T. and G.	"	250,000	do.	0	13	11	
2947	6" x ¾", T. and G.	"	800,000	do.	0	16	8	
2948	6" x 1½", T. and G.	"	350,000	do.	1	1	3	
2949	Weatherboards, Dressed Red Deal, Baltic, 7" x ¾", in random lengths over 10'	"	160,000	do.	0	11	11	
†2950	Stringy Bark or Mountain Ash, 3½" x 1½", T. and G. or rebated, dressed, and V-jointed, in random lengths over 10', "Mersey"	Aust.	400,000	do.	0	9	11½	
†2951	Stringy Bark or Mountain Ash, 4½" x ¾", T. and G., dressed, in random lengths over 10', "Mersey"	"	260,000	do.	0	18	6	
†2952	Murray Pine, 4" x 1½", T. and G. or rebated, dressed, and V-jointed, in random lengths over 10'	"	22,000	do.	0	10	0	
†2953	Murray Pine, produced out of 6" x 1" timber, and finished 5½" x ¾", T. and G., dressed, in random lengths over 10'	"	24,000	do.	0	17	6	
†2954	Stringy Bark, Weatherboards, Bullnosed, produced out of 7" timber and finished 6½" and upwards, in random lengths over 10', "Mersey"	"	170,000	do.	0	18	10	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.	
					£ s. d.		
TIMBER—continued.							
2955	Legs, Table, Turned, seasoned Queensland Kauri, Hoop Pine, or Mountain Ash, 4" x 4"	Aust.	No. 10	each	0 4 6	J. Sharp & Sons Ltd.	
MOULDINGS.—RED PINE.							
	Architrave, Red Pine, D. or S., B.N., 7/8" thick—		Run. ft.				
2956	3" wide	"	10,000	100 ft. run	0 14 11		
2957	4" wide	"		do.	1 0 4		
2958	5" wide	"		do.	1 4 8		
2959	6" wide	"		do.	1 11 0		
2960	Insertion, 1 1/2" wide, Red Pine	"		6,000	do.		0 6 9
2961	O.G., 2 1/2" x 1/2"	"		500	do.		0 11 0
Scotia, Red Pine—							
2962	1/2" to 1" wide, as ordered	"	5,000	do.	0 6 0		
2963	1 1/2" to 1 1/4" wide, as ordered	"	15,000	do.	0 8 3		
2964	2" wide x 1 1/2"	"	2,000	do.	0 11 4		
2965	2" wide x 2"	"	20,000	do.	0 15 0		
2966	2 1/4" to 3" wide, as ordered	"	500	do.	1 5 0		
Skirting, Red Pine—							
2967	7" x 3/8", B.N.	"	5,000	do.	1 6 0		
2968	7" x 7/8", B.N.	"	5,000	do.	1 17 0		
2969	7" x 1", B.N.	"	5,000	do.	2 1 0		
2970	9" x 7/8", B.N.	"	250	do.	2 2 3		
Quad. Mouldings, Red Pine—							
2971	3/8"	"	10,000	do.	0 6 0		
2972	1"	"	10,000	do.	0 6 3		
2973	1 1/2"	"	10,000	do.	0 12 6		
2974	Picture Rail, Red Pine, 2"	"	5,000	do.	0 11 0		
Cover Strip, Red Pine—							
2975	1 1/2" x 1/2"	"	3,000	do.	0 6 0		
2976	1" x 3/8"	"	3,000	do.	0 5 3		
2977	1 1/2" x 3/8"	"	3,000	do.	0 6 6		
2978	2" x 3/8"	"	3,000	do.	0 7 0		
Staff Bead, Red Pine—							
2979	7/8" x 5/8"	"	6,000	do.	0 5 0		
2980	1" x 5/8"	"	4,000	do.	0 6 0		
2981	1 1/2" x 5/8"	"	4,500	do.	0 7 9		
2982	1 1/4" x 5/8"	"	500	do.	0 9 3		
Three and Five Ply Timber, sanded one side, in sheets 6' x 3'—							
2983	Hoop Pine, 3/8" thick, three-ply	"	2,000 sheets	100 sq. ft.	0 19 6		
2984	" " 1/2" thick, three-ply	"	1,000 "	do.	1 5 0		
2985	" " 5/8" thick, five-ply	"	200 "	do.	1 11 0		
2986	Maple, 3/8" thick, three-ply	"	150 "	do.	2 10 0		
2987	" " 5/8" thick, five-ply	"	100 "	do.	3 15 0		
2988	Mountain Ash, 3/8" thick, five-ply	"	300 "	do.	3 15 0		
2989	Picus Mahogany, 3/8" thick, five-ply	"	100 "	do.	..		
2990	Philippine Mahogany, 5/8" thick, five-ply	"	100 "	do.	..		
MOULDINGS.—MURRAY PINE.							
2991	Skirting, 7" x 3/4", plain splayed	Aust.	Run. ft. 600	100 ft. run.	0 19 0	A. H. Parry & Co. (c/o A. T. Burton)	
Wood, Casing and Covering, in lengths of from 8' to 12', as ordered—							
2992	1 1/2", 2 grooves	"	1,000	do.	0 8 9	J. Moore & Sons Pty. Ltd.	
2993	2 1/4", 2 grooves	"	500	do.	0 11 9		
2994 to 2996	Nil.					Nil	

ASBESTOS CEMENT AND FIBRE PLASTER SHEETS.

The Asbestos Cement Sheets shall be perfectly rectangular and of the exact dimensions ordered. The face of each sheet shall be true, free from blemish or discoloration.

The Asbestos Cement Sheets shall be properly packed in wooden crates for transport by rail. The battens of crates to be placed not more than 6 inches apart, and no single crate shall contain more than eighteen (18) sheets (see below).

The Fibre Plaster Sheets shall be composed of Pure Plaster of Paris reinforced with vegetable fibre. They shall be perfectly rectangular and of the dimensions ordered.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	

ASBESTOS CEMENT AND FIBRE PLASTER SHEETS—continued.

The face of each sheet shall be true, free from blemish and discoloration. All edges shall be cleanly cut.

The Fibre Plaster Sheets, prior to delivery, shall be inspected at the works of the manufacturer, and shall be properly packed in wooden crates for transport by rail. The battens of crates to be placed not more than 6 inches apart, and no single crate shall contain more than fourteen (14) sheets.

Delivery of the material will be given into railway trucks as follows:—

J. Hardie & Co. Pty. Ltd.	.. .. .	Brooklyn Siding
Wunderlich Ltd.	.. .. .	Sunshine Station
Plasteroid Ceiling Co.	.. .. .	Spencer-street

As regards Item No. 2997 delivery may be given by road to the site of the works where required in the Metropolitan area in which case the cost of cartage will be reimbursed to the contractor.

* If desired, the sheets under Items 3000 to 3006 shall be properly packed in approved crates for transport by rail. The cost of such packing shall be on quantities weighing less than 30 cwt. net, 3d. per square yard, with a minimum of 7s. 6d. to be added to the contract price.

* On quantities of 30 cwt. and over (based on 108 yards to 1 ton), for which bulk crates are used, 1d. per square yard shall be added to the contract price, in addition to which the Contractor may charge for the ironwork on such crates at the rate of £4 for each. This charge of £4 shall be credited to the Corporation on return of each set to the Contractor in good order and condition and at the Corporation's expense. The Corporation shall when ordering indicate the packing if any desired.

** As regards Item No. 2997, if crating be required the rate shall be increased by 3d. per square yard with a minimum of 7s. 6d. If supplied in bulk crates of 2 ton lots a charge of 21s. per crate will be made by the Contractor and the amount credited on return of the crate. Only 1d. per square yard extra will be charged if packed in bulk crates.

The trade sizes referred to under Item No. 2998 are as follow:—

- 5', 6', 7', 8', 9', and 10', x 3' wide.
- 5', 6', 7', 8', and 9', x 3' 6" wide.
- 4', 5', 6', 7', 8', 9', and 10', x 4' wide.
- 5', 6', 7', 8', and 9', x 4' 6" wide.

The Storehouse Manager shall see that the ironwork on bulk crates is returned to the Contractor.

†2997	Asbestos Cement Sheets, plain, $\frac{3}{16}$ " thick, any trade size ordered	Aust.	6,000 s. yds.	sq. yd.	**0 2 7	Wunderlich Ltd.
†2998	Fibre Plaster Sheets, $\frac{1}{4}$ " thick, any trade size ordered (see above note)	"	30,000 "	do.	0 1 7 $\frac{1}{2}$	Plasteroid Ceiling Co.
†2999	Fibre Plaster Sheets, $\frac{1}{2}$ " thick, $\frac{3}{4}$ " rebate on all edges, any size ordered up to 10' x 4' Asbestos Cement Corrugated Sheets, $\frac{3}{16}$ " thick x 2' 7 $\frac{1}{2}$ " wide. Corrugations to be $\frac{11}{16}$ " deep x 3" pitch—	"	1,000 "	do.	0 2 3	
3000	4' long	"	2,500 sheets	each	*0 4 4 $\frac{1}{4}$	James Hardie & Co. Ltd.
3001	5' "	"		do.	*0 5 5	
3002	6' "	"		do.	*0 6 7	
3003	7' "	"		do.	*0 7 8	
3004	8' "	"		do.	*0 8 9	
3005	9' "	"		do.	*0 9 10	
3006	10' "	"		do.	*0 10 11	
3007	Ridging, Asbestos Cement, 8", wings in 6' lengths	"	100 lengths	lin. ft.	0 1 3	Plasteroid Ceiling Co.
†3008	Vents, Plaster of Paris, 9" x 6" x 1"	"	1,000	each	0 0 6	
†3009	Washers, Concave Lead, for securing Asbestos Cement Corrugated Roofing	"	200 gross	gross	0 1 9	James Hardie & Co. Ltd.
†3010	Washers, Rexilite (or other similar material), for securing Asbestos Cement Corrugated Roofing	"	200 "	do.	0 1 3	
3011 to 3013	Nil					

ROOFING FELT, ETC.

Roofing Felt.—The Roofing Felt shall consist of a felt foundation, thoroughly impregnated with bitumen, and surface dressed to prevent adjacent surfaces adhering.

The percentage by weight of Felt to Bitumen in the Roofing Felt shall lie within the range of 25 per cent. to 35 per cent. of Felt to 65 per cent. to 75 per cent. of Bitumen, irrespective of mineral matter.

On incineration of the Roofing Felt the mineral matter remaining shall not exceed 20 per cent. by weight of the original weight of the materials incinerated.

Asphalt Saturated Felt for Undercourses.—The Asphalt Saturated Felt shall consist of felt thoroughly and uniformly impregnated with Bitumen of the quality described under Flux for Roofing Pitch.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	

ROOFING FELT, ETC.—*continued.*

On incineration the mineral residue shall not exceed 5 per cent. of the weight of the original weight of the material incinerated.

The weight of the Asphalt Saturated Felt shall be not less than two and one-half (2½) oz. per square foot.

Roofing Pitch.—The Roofing Pitch shall consist of Bitumen containing not more than 2 per cent. of mineral matter, and shall be of such a composition that on extraction with acetone not less than 60 per cent. shall be soluble therein, and the melting point shall not be less than 200 degs. Fahrenheit.

Twenty grammes of the pitch shall be placed in an oven maintained at 163 degs. Centigrade for seven hours, when the percentage loss shall not exceed 2 per cent.

The Roofing Pitch shall be subjected to ductility and viscosity tests in specially designed apparatus in the possession of the Corporation.

Name of Manufacturer—Item 3014. Certaineed Products Corporation.								
†3014	Roofing Felt, bituminous sheeting, 3-ply, 36" wide, in rolls of 72', with tacks and cement for fixing	U.S.A.	200 rolls	roll	1	12	6	J. Danks & Son Pty. Ltd.
†3015	Asphalt, saturated, felt, in rolls of 108' x 3' "Oral"	Aust.	50 "	do.	0	12	3	Ormonoid Roofing & Asphalts Ltd.
†3016	Pitch, Roofing, in barrels	U.K.	400 cwt.	cwt.	0	11	6	E. L. Yencken & Co. Pty. Ltd.
3017 to 3018	Nil							

LIME AND LIMESTONE, ETC.

The Lime is to be fresh and properly burnt, and of approved quality, and delivered in bags of the lengths and breadths stated, and such bags (subject to such collar as shall be necessary to admit of the mouth of any bag being properly and securely tied) shall be filled to their full capacity.

The Stores referred to in this Schedule shall be wholly manufactured or produced at the factory or works of the Contractor at the address named in this Schedule. No sub-letting will be allowed.

As regards Items Nos. 3020 to 3021A, orders are to be placed on the most advantageous item. In this connexion it should be noted that the Lime to be supplied by Alkemade Bros. under Items Nos. 3020 and 3020A is not considered white enough for plastering work.

†3019	Hair Plasterers'		1 cwt.	cwt.				Nil
†3020	Lime, "Kawa," in bags 41" x 23", if ordered in truck loads, delivered into trucks at Kawarren	Aust.	3,000 bags	bag	0	4	3	Alkemade Bros.
†3020A	Lime, "Kawa," in bags 41" x 23", if delivered on any work within 3 miles of Spencer-street Railway Station by road	"		do.	0	5	0	
†3020B	Lime, "Snowflake," in bags approx. 36" x 24", delivered into trucks at Platina Railway Siding	"		do.	0	4	5		Evans Bros. Pty. Ltd.
†3021	Lime, for Pintsch Gas purification, "Kawa," in bags 41" x 23", if ordered in truck loads, delivered into trucks at Kawarren	"	700 bags	bag	0	4	3	Alkemade Bros.
†3021A	Lime, for Pintsch Gas purification, "Kawa," in bags 41" x 23", if delivered at the Pintsch Gas Depot, Spencer-street	"		do.	0	5	0	
†3022	Limestone, Marble, pure, delivered into trucks at Platina Railway Siding	"	300 tons	ton	0	14	0	Evans Bros. Pty. Ltd.
†3023	Limestone (Lara)	"		do.				
3024	"Limil" packed in 52-lb. bags, delivered in truck loads, f.o.r., Lilydale	Aust.	300 bags	bag	0	2	4	David Mitchell Estate
3025	"Limil," packed in 52-lb. bags, delivered in less than truck loads, f.o.r., Burnley	"		do.	0	2	6	

SLATES.

When ordered in truck loads the Slates shall be delivered, properly loaded, stacked, and packed in railway trucks with straw or other suitable material by and at the cost of the Contractor, at Spencer-street, and be consigned thence as ordered, such loading, &c., to be to the satisfaction of the Receiving Officer.

†3026	Slates. Roofing, 24" x 12"	France	2,400	100	3	5	0	Daniel Robertson
†3027	" " 20" x 10"	"	10,000	do.	2	5	0	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	

SALT GLAZED VITRIFIED STONEWARE, AGRICULTURAL TILE PIPES, ETC.

STONEWARE PIPES (Items 3028 to 3090).

The word "Pipes" shall be understood to include every variety of straight pipe, branch, pipe or bend included in this Contract.

The Pipes shall be of Salt Glazed Vitrified Stoneware; they shall be made of plastic clay or other approved similar material, thoroughly worked, containing a large proportion of silica, but free of limestone or lime. Each Pipe shall be of uniform and suitable composition, and shall ring with a well-defined sound when struck with a wooden mallet. The Pipes shall be well burnt, completely vitrified, and free from splits, cracks, inequalities, and all other defects, and shall be uniformly and thoroughly glazed over the whole of the inside and outside with salt glaze. Each Pipe shall be made to the exact forms, angles, and dimensions ordered. The Pipes shall have their spigot and socket ends accurately formed at right angles to the direction of the bore, which shall be of uniform circular section throughout. All Pipes shall have an effective length of two (2) feet or not more than three (3) feet unless otherwise ordered. All Pipes may be tested by the Chief Storekeeper in such manner as he may think proper, and any Pipes which fail to pass any such test will be rejected. Items marked (M) will require to be tested by the Melbourne and Metropolitan Board of Works, and must bear that Board's test mark before delivery. Items marked (BE) will require to be tested by the Bendigo Sewerage Authority, and must bear that Authority's test mark before delivery. Items marked (BA) will require to be tested by the Ballarat Sewerage Authority, and must bear that Authority's test mark before delivery.

AGRICULTURAL, CONCRETE, AND TILE PIPES (Items Nos. 3091 to 3093).

The Agricultural Tile Pipes (Items 3091 and 3093) shall be of approved manufacture, well burnt, straight, of uniform section, and shall measure 12 inches in length. The Agricultural Pipes under Item No. 3092 shall be made under centrifugal force. The concrete shall be compacted with considerable pressure against the side of the mould. The material shall consist of Portland Cement, with high-graded water-washed very fine sand up to ¼ inch mixed in proportion to withstand any test for their purpose. All finished pipes shall be kept saturated with water for ten days before being allowed to dry out.

The Stores referred to in this Schedule shall be wholly manufactured or produced at the factory or works of the Contractor, at the address named in this Schedule. No sub-letting will be allowed.

The Pipes shall be delivered, properly loaded, stacked, and packed in railway trucks with straw or other suitable packing, by and at the cost of the Contractor, at the railway station named below, and be consigned thence as ordered, such loading, &c., to be to the satisfaction of the Supervising Officer.

Place of delivery—

- G. D. Guthrie & Co. Pty. Ltd.—Delivered into trucks at Epsom.
- Hoffman Brick & Potteries Ltd.—Delivered into trucks at South Brunswick.
- J. Hicks.—Delivered into trucks at Officer.
- Ballarat Pottery Pty. Ltd.—Delivered into trucks at Ballarat.

In the case of untested pipes, more than one tender has been accepted, and when placing orders, the place of delivery and freight to destination shall be taken into consideration and orders placed under the most advantageous item, provided satisfactory service is being rendered.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
Drain Pipes—Salt Glazed Vitrified Stoneware—						
3028	3"	Aust.	1,600 ft.	foot	0 0 7	Hoffman Brick & Potteries Ltd.
3028A	3"	"		do.	0 0 7	G. D. Guthrie & Co. Pty. Ltd.
3028B	3"	"		do.	0 0 7	Ballarat Pottery Pty. Ltd.
3029	4"	"	20,000 "	do.	0 0 7	Hoffman Brick & Potteries Ltd.
3029A	4"	"		do.	0 0 7	G. D. Guthrie & Co. Pty. Ltd.
3029B	4"	"		do.	0 0 7	Ballarat Pottery Pty. Ltd.
3030	(M) 4"	"	10,000 "	do.	0 0 10½	Hoffman Brick & Potteries Ltd.
3031	(BE) 4"	"	1,000 "	do.	0 0 11	G. D. Guthrie & Co. Pty. Ltd.
3032	(BA) 4"	"	1,000 "	do.	0 0 10½	Ballarat Pottery Pty. Ltd.
3033	6"	"	20,000 "	do.	0 0 11	Hoffman Brick & Potteries Ltd.
3033A	6"	"		do.	0 0 11	G. D. Guthrie & Co. Pty. Ltd.
3033B	6"	"		do.	0 0 11	Ballarat Pottery Pty. Ltd.
3034	(M) 6"	"	5,000 "	do.	0 1 8	Hoffman Brick & Potteries Ltd.
3035	(BE) 6"	"	200 "	do.	0 1 9	G. D. Guthrie & Co. Pty. Ltd.
3036	(BA) 6"	"	200 "	do.	0 1 8	Ballarat Pottery Pty. Ltd.
3037	9"	"	12,000 "	do.	0 1 6	Hoffman Brick & Potteries Ltd.
3037A	9"	"		do.	0 1 6	G. D. Guthrie & Co. Pty. Ltd.
3037B	9"	"		do.	0 1 6	Ballarat Pottery Pty. Ltd.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
SALT GLAZED VITRIFIED STONWARE, AGRICULTURAL TILE PIPES, ETC.— <i>continued.</i>						
	Drain Pipes—Salt Glazed Vitrified Stoneware— <i>continued.</i>					
3038	12"	Aust.	2,000 ft.	foot	0 2 3	Hoffman Brick & Potteries Ltd.
3038A	12"	"		do.	0 2 3	G. D. Guthrie & Co. Pty. Ltd.
3038B	12"	"	100	do.	0 2 3	Ballarat Pottery Pty. Ltd.
3039	Bends—Salt Glazed Vitrified Stoneware— 3"	"		each	0 2 3	Hoffman Brick & Potteries Ltd.
3039A	3"	"	800	do.	0 2 3	G. D. Guthrie & Co. Pty. Ltd.
3039B	3"	"		do.	0 2 3	Ballarat Pottery Pty. Ltd.
3040	4"	"	10	do.	0 2 0	Hoffman Brick & Potteries Ltd.
3040A	4"	"		do.	0 2 0	G. D. Guthrie & Co. Pty. Ltd.
3040B	4"	"	50	do.	0 2 0	Ballarat Pottery Pty. Ltd.
3041	(BE) 4" with inspection openings	"		do.	0 5 6	G. D. Guthrie & Co. Pty. Ltd.
3042	(BA) 4" with inspection openings	"	10	do.	0 5 6	Ballarat Pottery Pty. Ltd.
3043	(M) 4"	"	600	do.	0 4 0	Hoffman Brick & Potteries Ltd.
3044	(BE) 4"	"	50	do.	0 4 0	G. D. Guthrie & Co. Pty. Ltd.
3045	(BA) 4"	"	50	do.	0 4 0	Ballarat Pottery Pty. Ltd.
3046	6"	"		do.	0 4 0	Hoffman Brick & Potteries Ltd.
3046A	6"	"	10	do.	0 4 0	G. D. Guthrie & Co. Pty. Ltd.
3046B	6"	"		do.	0 4 0	Ballarat Pottery Pty. Ltd.
3047	(BE) 6" with inspection openings	"	10	do.	0 7 9	G. D. Guthrie & Co. Pty. Ltd.
3048	(BA) 6" with inspection openings	"	10	do.	..	Nil
3049	(M) 6"	Aust.	50	do.	0 7 3	Hoffman Brick & Potteries Ltd.
3050	(BE) 6"	"	10	do.	0 7 3	G. D. Guthrie & Co. Pty. Ltd.
3051	(BA) 6"	"	20	do.	0 7 3	Ballarat Pottery Pty. Ltd.
3052	9"	"	10	do.	0 10 0	Hoffman Brick & Potteries Ltd.
3052A	9"	"		do.	0 10 0	G. D. Guthrie & Co. Pty. Ltd.
3052B	9"	"	25	do.	0 10 0	Ballarat Pottery Pty. Ltd.
3053	Elbows—Salt Glazed Vitrified Stoneware— 4"	"		do.	0 3 0	Hoffman Brick & Potteries Ltd.
3053A	4"	"	25	do.	0 3 0	G. D. Guthrie & Co. Pty. Ltd.
3053B	4"	"		do.	0 3 0	Ballarat Pottery Pty. Ltd.
3054	6"	"	25	do.	0 6 0	Hoffman Brick & Potteries Ltd.
3054A	6"	"		do.	0 6 0	G. D. Guthrie & Co. Pty. Ltd.
3054B	6"	"	..	do.	0 6 0	Ballarat Pottery Pty. Ltd.
	Single Junctions, right-angled, and oblique, 45° or 60°, as ordered—					
3055	3" x 3"	"	10	do.	0 2 9	Hoffman Brick & Potteries Ltd.
3055A	3" x 3"	"		do.	0 2 9	G. D. Guthrie & Co. Pty. Ltd.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
SALT GLAZED VITRIFIED STONWARE, AGRICULTURAL TILE PIPES, ETC.—continued.								
Single Junctions, right-angled, and oblique, 45° or 60°, as ordered— <i>continued.</i>								
3055B	3" x 3"	Aust.	300	each	0	2	9	Ballarat Pottery Pty. Ltd.
3056	4" x 4"	"		do.	0	2	6	Hoffman Brick & Pot-teries Ltd.
3056A	4" x 4"	"		do.	0	2	6	G. D. Guthrie & Co. Pty. Ltd.
3056B	4" x 4"	"		do.	0	2	6	Ballarat Pottery Pty. Ltd.
3057	(M) 4" x 4"	"	700	do.	0	4	3	Hoffman Brick and Pot-teries Ltd
3058	(BE) 4" x 4", with inspection opening	"	50	do.	0	5	9	G. D. Guthrie & Co. Pty. Ltd
3059	(BA) 4" x 4", with inspection opening	"	25	do.	0	5	9	Ballarat Pottery Pty. Ltd.
3060	6" x 4"	"	200	do.	0	4	0	Hoffman Brick & Pot-teries Ltd.
3060A	6" x 4"	"		do.	0	4	0	G. D. Guthrie & Co. Pty. Ltd.
3060B	6" x 4"	"		do.	0	4	0	Ballarat Pottery Pty. Ltd.
3061	(M) 6" x 4"	"	200	do.	0	8	0	Hoffman Brick & Pot-teries Ltd.
3062	(BE) 6" x 4", with inspection opening	"	10	do.	0	10	0	G. D. Guthrie & Co. Pty. Ltd.
3063	(BA) 6" x 4", with inspection opening	"	10	do.	0	10	0	Ballarat Pottery Pty. Ltd.
3064	6" x 6"	"	50	do.	0	5	6	Hoffman Brick & Pot-teries Ltd.
3064A	6" x 6"	"		do.	0	5	6	G. D. Guthrie & Co. Pty. Ltd.
3064B	6" x 6"	"		do.	0	5	6	Ballarat Pottery Pty. Ltd.
3065	(M) 6" x 6"	"	100	do.	0	8	0	Hoffman Brick & Pot-teries Ltd.
3066	(BE) 6" x 6", with inspection opening	"	3	do.	0	10	0	G. D. Guthrie & Co. Pty. Ltd.
3067	(BA) 6" x 6", with inspection opening	"	3	do.	0	10	0	Ballarat Pottery Pty. Ltd.
3068	9" x 4" or 9" x 6", as ordered	"	50	do.	0	8	6	Hoffman Brick & Pot-teries Ltd.
3068A	9" x 4" or 9" x 6"	"		do.	0	8	6	G. D. Guthrie & Co. Pty. Ltd.
3068B	9" x 4" or 9" x 6"	"		do.	0	8	6	Ballarat Pottery Pty. Ltd.
3069	12" x 4" to 12" x 9"	"	10	do.	0	13	0	Hoffman Brick & Pot-teries Ltd.
3069A	12" x 4" to 12" x 9"	"		do.	0	13	0	G. D. Guthrie & Co. Pty. Ltd.
3069B	12" x 4" to 12" x 9"	"		do.	0	13	0	Ballarat Pottery Pty. Ltd.
3070	15" x 6" to 15" x 12"	"	5	do.	1	2	6	Hoffman Brick & Pot-teries Ltd.
3070A	15" x 6" to 15" x 12"	"		do.	1	2	6	G. D. Guthrie & Co. Pty. Ltd.
3070B	15" x 6" to 15" x 12"	"		do.	1	2	6	Ballarat Pottery Pty. Ltd.
3071	18" x 9" or 18" x 12"	"	5	do.	1	15	0	Hoffman Brick & Pot-teries Ltd.
3071A	18" x 9" or 18" x 12"	"		do.	1	15	0	Ballarat Pottery Pty. Ltd.
3072	24" x 9" or 24" x 12"	"		do.	3	0	0	Hoffman Brick & Pot-teries Ltd.
3072A	24" x 9" or 24" x 12"	"	do.	3	0	0	Ballarat Pottery Pty. Ltd.	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
SALT GLAZED VITRIFIED STONEWARE, AGRICULTURAL TILE PIPES, ETC.— <i>continued.</i>								
3073	Double Junctions, right angled and oblique, 45° or 60°, as ordered— 4" x 4"	Aust.	20	each	0	6	6	Hoffman Brick & Pot- teries Ltd.
3073A	4" x 4"	"		do.	0	6	6	G. D. Guthrie & Co. Pty. Ltd.
3073B	4" x 4"	"	5	do.	0	6	6	Ballarat Pottery Pty. Ltd.
3074	6" x 4"	"		do.	0	10	0	Hoffman Brick & Pot- teries Ltd.
3074A	6" x 4"	"	300	do.	0	10	0	G. D. Guthrie & Co. Pty. Ltd.
3074B	6" x 4"	"		do.	0	10	0	Ballarat Pottery Pty. Ltd.
3075	Bricks, Gutter, 4" concrete, 2' long	"	300	do.	0	0	8	Workshops Manager, North Melbourne
3076	Discs, 4"	"	300	do.	0	0	4	Hoffman Brick & Pot- teries Ltd.
3076A	Discs, 4"	"		do.	0	0	4	G. D. Guthrie & Co. Pty. Ltd.
3076B	Discs, 4"	"	150	do.	0	0	4	Ballarat Pottery Pty. Ltd.
3077	Discs, 6"	"		do.	0	0	7	Hoffman Brick & Pot- teries Ltd.
3077A	Discs, 6"	"	20	do.	0	0	7	G. D. Guthrie & Co. Pty. Ltd.
3077B	Discs, 6"	"		do.	0	0	7	Ballarat Pottery Pty. Ltd.
3078	(M) Tops, Gully	"	20	do.	0	9	9	Hoffman Brick & Pot- teries Ltd.
3079	(BE) Tops, Gully	"	12	do.	0	9	9	G. D. Guthrie & Co. Pty. Ltd.
3080	(BA) Tops, Gully	"	10	do.	0	9	9	Ballarat Pottery Pty. Ltd.
3081	(M) Tops, for Boundary Traps, 4" x 4", No. 27A	"	50	do.	0	3	3	Hoffman Brick & Pot- teries Ltd.
3082	(M) Tops, for Boundary Traps, 6" x 4", or 6" x 6", as ordered, No. 26A	"		do.	0	7	9	
3083	(M) Traps, Boundary, 4"	"	10	do.	0	9	9	Hoffman Brick & Pot- teries Ltd.
3084	(M) Traps, Boundary, 6"	"	12	do.	1	5	6	
3085	(M) Traps, Disconnecter, No. 23	"	200	do.	0	7	6	G. D. Guthrie Co. & Pty. Ltd.
3086	(BE) Traps, Disconnecter, No. 23	"	30	do.	0	7	6	
3087	(BA) Traps, Disconnecter, No. 23	"	20	do.	0	7	6	Ballarat Pottery Pty. Ltd.
3088	(M) Traps, Gully, No. 24	"	50	each	0	10	6	Hoffman Brick & Pot- teries Ltd.
3089	(BE) Traps, Gully, No. 24	"	10	do.	0	10	6	G. D. Guthrie & Co. Pty. Ltd.
3090	(BA) Traps, Gully, No. 24	"	10	do.	0	10	6	Ballarat Pottery Pty. Ltd.
3091	Pipes, Agricultural Tile, 12" long, 4" internal diameter	"	6,000	1,000	9	0	0	J. Hicks
3092	Pipes, Agricultural Concrete, 12" long, 4" internal diameter	"		feet	do.
3093	Pipes, Agricultural Tile, 12" long, 6" internal diameter	"	50"	do.	..	..	..

CONCRETE PIPES.

ORDINARY CONCRETE PIPES (Items 3097 to 3103).

The Pipes shall be made of ordinary cement concrete, consisting of best approved materials mixed in proportions to withstand the tests described hereunder. All Pipes shall be made to the exact forms and dimensions ordered. The Pipes shall be exactly cylindrical, and the ends truly planed at right angles to the bore. The ends of Pipes shall fit into the sockets of stoneware Pipes of equal internal diameter, and shall allow of sufficient annular space for the jointing materials. All Pipes shall have an effective length as specified. The Pipes shall be free from splits, cracks, blisters, and all other defects, and the whole of the outside and inside shall be even and smooth. Each Pipe shall be distinctly and permanently branded on the outside with the manufacturer's name, brand, and date of manufacture. All Pipes may be tested by the Chief Storekeeper in such manner as he may think proper, and any Pipes which fail to pass any such test will be rejected.

CONCRETE PIPES—*continued.*

REINFORCED CONCRETE PIPES (Items 3104 to 3113).

All Pipes shall be to designs indicated in the Schedule or to any other designs which may from time to time be approved by the Chief Storekeeper.

All Pipes shall have plain ends.

Each Pipe shall, immediately after manufacture, have the maker's initials and date of manufacture placed on the inside, and no Pipes shall be accepted unless the dates on them show, and the Contractor guarantees that the date of manufacture is correctly marked. All Pipes shall be manufactured of sand, bluestone, or other approved stone screenings and toppings and Portland Cement, in the proportion of two (2) stone, two (2) sand and one (1) cement. The sand and stone shall be of approved quality and the cement of approved brand, and shall pass the Railway Department's test. All Steel used as reinforcement shall be of approved quality.

SPECIFICATION OF PIPES TO BE SUPPLIED BY THE HUME PIPE CO. (AUSTRALIA) LTD.]

9 inch—			
Wall	..	..	1 inch.
Length	..	..	6 feet.
Mixture	..	..	2 sand, 2 stone, 1 cement.
Reinforcement	..	..	2 6-in. pitches of 13 gauge. 12 straights of 13 gauge. 8 diagonals of 13 gauge. 1 6-in. pitch of 13 gauge. Approximate weight, 6 lbs.
12 inch—			
Wall	..	..	1½ inch.
Length	..	..	6 feet.
Mixture	..	..	2 sand, 2 stone, 1 cement.
Reinforcement	..	..	2 6-in. pitches of 10 gauge. 12 straights of 10 gauge. 8 diagonals of 10 gauge. 2 6-in. pitches of 10 gauge. Approximate weight, 13 lbs.
15 inch—			
Wall	..	..	1½ inch.
Length	..	..	6 feet.
Mixture	..	..	2 sand, 2 stone, 1 cement.
Reinforcement	..	..	2 6-in. pitches of 9 gauge. 12 straights of 9 gauge. 8 diagonals of 9 gauge. 2 6-in. pitches of 9 gauge. Approximate weight, 24 lbs.
18 inch—			
Wall	..	..	1½ inch.
Length	..	..	6 feet.
Mixture	..	..	2 sand, 2 stone, 1 cement.
Reinforcement	..	..	2 6-in. pitches of 8 gauge. 12 straights of 8 gauge. 8 diagonals of 8 gauge. 2 6-in. pitches of 8 gauge. Approximate weight, 27 lbs.
21 inch—			
Wall	..	..	1½ inch.
Length	..	..	6 feet.
Mixture	..	..	2 sand, 2 stone, 1 cement.
Reinforcement	..	..	2 6-in. pitches of 8 gauge. 12 straights of 8 gauge. 8 diagonals of 8 gauge. 2 6-in. pitches of 8 gauge. Approx. weight, 30 lbs.
24 inch—			
Wall	..	..	1½ inch.
Length	..	..	6 feet.
Mixture	..	..	2 sand, 2 stone, 1 cement.
Reinforcement	..	..	2 6-in. pitches of 8 gauge. 12 straights of 8 gauge. 8 diagonals of 8 gauge. 2 6-in. pitches of 8 gauge. Approximate weight, 33 lbs.
27 inch—			
Wall	..	..	1½ inch.
Length	..	..	6 feet.
Mixture	..	..	2 sand, 2 stone, 1 cement.
Reinforcement	..	..	2 6-in. pitches of 8 gauge. 12 straights of 8 gauge. 8 diagonals of 8 gauge. 2 6-in. pitches of 8 gauge. Approximate weight, 36 lbs.
30 inch—			
Wall	..	..	1½ inch.
Length	..	..	6 feet.
Mixture	..	..	2 sand, 2 stone, 1 cement.
Reinforcement	..	..	2 6-in. pitches of 8 gauge. 12 straights of 8 gauge. 8 diagonals of 8 gauge. 2 6-in. pitches of 8 gauge. Approximate weight, 42 lbs.
36 inch—			
Wall	..	..	2 inch.
Length	..	..	6 feet.
Mixture	..	..	2 sand, 2 stone, 1 cement.
Reinforcement	..	..	1 3-in. pitch of 5 gauge. 12 straights of 5 gauge. 8 diagonals of 8 gauge. 1 3-in. pitch of 5 gauge. Approximate weight, 72 lbs.

Item No.	Description	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	

CONCRETE PIPES—continued.

SPECIFICATION OF PIPES TO BE SUPPLIED BY THE HUME PIPE CO. (AUST.) LTD.—continued.

42 inch—

Wall	.. .. .	2 $\frac{1}{8}$ inch.
Length	.. .. .	6 feet.
Mixture	.. .. .	2 sand, 2 stone, 1 cement.
Reinforcement	.. .. .	1 3-in. pitch of 5 gauge. 12 straights of 5 gauge. 8 diagonals of 8 gauge. 1 3-in. pitch of 5 gauge. Approximate weight, 84 lbs.

Method of manufacture—Hume Centrifugal Process. All pipes have plain ends. Where 3-ft. lengths are required to make up culvert lengths, they will be supplied.

SPECIFICATION OF PIPES TO BE SUPPLIED BY THE CONCRETE CONSTRUCTIONS PROPRIETARY LTD.

Internal Diameter.	Length.	Thickness of Wall.	Reinforcement.
9	4' and 6'	1"	1 spiral, 1 $\frac{1}{2}$ " pitch, No. 8° wire 8 diagonals, No. 8° wire
12"	"	1 $\frac{1}{4}$ "	1 spiral, 1 $\frac{1}{2}$ " pitch } No. 8° wire 8 diagonals
15"	"	1 $\frac{3}{8}$ "	1 spiral 1 $\frac{1}{2}$ " pitch } " 12 diagonals
18"	"	1 $\frac{1}{2}$ "	1 spiral, 1 $\frac{1}{2}$ " pitch } " 12 diagonals
21"	"	1 $\frac{3}{4}$ "	1 spiral, 1 $\frac{1}{2}$ " pitch } " 12 diagonals
24"	"	1 $\frac{3}{4}$ "	1 spiral, 1 $\frac{1}{2}$ " pitch } " 12 diagonals
27"	"	2"	1 spiral, 1 $\frac{1}{2}$ " pitch } " 12 diagonals
30"	"	2 $\frac{1}{8}$ "	6 longitudinals } " 1 spiral, 1" pitch
36"	"	2 $\frac{1}{4}$ "	6 longitudinals } " 1 spiral, 1" pitch
42"	"	2 $\frac{3}{8}$ "	12 diagonals } " 6 longitudinals 2 spirals, each 1" pitch, No. 8° wire 10 longitudinals, No. 5° wire

The pipes will have plain ends and will be manufactured by the Rotary (Whirling) Process. The composition of the concrete is 1 part cement, 2 parts sand, and 2 part screenings.

The Pipes shall be delivered, properly loaded, stacked, and packed in railway trucks with straw or other suitable packing, such loading, &c., to be to the satisfaction of the Supervising Officer, by and at the cost of the Contractor, at the railway station named, and consigned thence as ordered.

Hume Pipe Co. (Aust.) Ltd. will give delivery in trucks at Newmarket Railway Station.
Concrete Constructions Pty. Ltd. will give delivery in trucks at Graham Railway Station.

Item No.	Description	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
Pipes, Ordinary Concrete, 3 feet long—						
3097	4" x $\frac{3}{8}$ " thick, spigot and faucet ..	Aust.	400 feet	foot	0 0 8	Hume Pipe Co. (Aust.) Ltd.
3098	6" x $\frac{3}{8}$ " thick, spigot and faucet ..	"	150 "	do.	0 0 11	
3099	9" x 1" thick, plain ends ..	"	25 "	do.	0 1 9	Concrete Constructions Pty. Ltd.
3099A	9" x 1" thick, spigot and faucet ..	"		do.	0 1 9	
3100	12" x 1 $\frac{1}{8}$ " thick, plain ends ..	"	1,000 "	do.	0 2 7	Hume Pipe Co. (Aust.) Ltd.
3100A	12" x 1 $\frac{1}{8}$ " thick, spigot and faucet ..	"		do.	0 2 7	
3101	15" x 1 $\frac{1}{4}$ " thick, plain ends ..	"	24 "	do.	0 3 6	Hume Pipe Co. (Aust.) Ltd.
3101A	15" x 1 $\frac{1}{4}$ " thick, spigot and faucet ..	"		do.	0 3 6	
3102	18" x 1 $\frac{1}{2}$ " thick, plain ends ..	"	6 "	do.	0 4 11	Concrete Constructions Pty. Ltd.
3102A	18" x 1 $\frac{1}{2}$ " thick, spigot and faucet ..	"		do.	0 4 11	
3103	24" x 1 $\frac{1}{2}$ " thick, plain ends ..	"	12 "	do.	0 8 0	Hume Pipe Co. (Aust.) Ltd.
3103A	24" x 1 $\frac{1}{2}$ " thick, spigot and faucet ..	"		do.	0 8 0	
Pipes, Reinforced Concrete, plain ends—						
3104	9" dia. x 6' or 3' ..	"	2,000 "	do.	0 2 1	Hume Pipe Co. (Aust.) Ltd.
3104A	9" dia. x 4' or 6' ..	"		do.	0 2 1	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
CONCRETE PIPES—continued.								
	Pipes, Reinforced Concrete, plain ends— <i>continued.</i>							
3105	12" dia. x 6' or 3'	Aust.	4,000 feet	foot	0	3	2	Hume Pipe Co. (Aust.) Ltd.
3105A	12" dia. x 4' or 6'	"		do.	0	3	2	Concrete Constructions Pty. Ltd.
3106	15" dia. x 6' or 3'	"	2,000 "	do.	0	4	5	Hume Pipe Co. (Aust.) Ltd.
3106A	15" dia. x 4' or 6'	"		do.	0	4	5	Concrete Constructions Pty. Ltd.
3107	18" dia. x 6' or 3'	"	4,000 "	do.	0	5	5	Hume Pipe Co. (Aust.) Ltd.
3107A	18" dia. x 4' or 6'	"		do.	0	5	5	Concrete Constructions Pty. Ltd.
3108	21" dia. x 6' or 3'	"	100 "	do.	0	6	10	Hume Pipe Co. (Aust.) Ltd.
3108A	21" dia. x 4' or 6'	"		do.	0	6	10	Concrete Constructions Pty. Ltd.
3109	24" dia. x 6' or 3'	"	2,000 "		0	8	7	Hume Pipe Co. (Aust.) Ltd.
3109A	24" dia. x 4' or 6'	"		do.	0	8	7	Concrete Constructions Pty. Ltd.
3110	27" dia. x 6' or 3'	"	200 "	do.	0	10	0	Hume Pipe Co. (Aust.) Ltd.
3110A	27" dia. x 4' or 6'	"		do.	0	10	0	Concrete Constructions Pty. Ltd.
3111	30" dia. x 6' or 3'	"	500 "	do.	0	12	0	Hume Pipe Co. (Aust.) Ltd.
3111A	30" dia. x 4' or 6'	"		do.	0	12	0	Concrete Constructions Pty. Ltd.
3112	36" dia. x 6' or 3'	"	1,000 "	do.	0	15	0	Hume Pipe Co. (Aust.) Ltd.
3112A	36" dia. x 4' or 6'	"		do.	0	15	0	Concrete Constructions Pty. Ltd.
3113	42" dia. x 6' or 3'	"	400 "	do.	1	0	0	Hume Pipe Co. (Aust.) Ltd.
3113A	42" dia. x 4' or 6'	"		do.	1	0	0	Concrete Constructions Pty. Ltd.
3114 to 3116	Nil.							

WATER TROUGHS, ETC.

(REINFORCED CONCRETE AND CEMENT.)

Item 3117.—The Cattle Trough shall be 12 feet long, with a cross-section of 24 in. x 15 in. (internal) shall be of concrete, well reinforced, and with surfaces smoothly rendered, and provided with supports so that the top of the trough will stand 18 inches above the ground level. Provision shall be made at one end of the trough for a ½-inch connexion for a ball cock. A suitable steel hood and padlock shall be provided to protect the ball cock. No crating required.

Item 3118.—The Pig Trough shall be 8 feet long, with a cross-section of 15 in. x 8 in. (internal) shall be of concrete, well reinforced, and with surfaces smoothly rendered, and provided with a suitable base so that the bottom of the trough will rest flat on the ground. Provision shall be made at one end of the trough for a ½-inch connexion for a ball cock. A suitable steel hood and padlock shall be provided to protect the ball cock. The rate tendered includes crating suitable for transport by rail.

Item 3119.—The Wash Trough shall be in two divisions, shall be of reinforced cement 1 inch thick, shall be 4 ft. 3 in. long, 14 inches deep, 1 ft. 2 in. wide at bottom and 1 ft. 9 in. wide at top, and shall be fitted with brass plugs and washers (M.M.B.W.) complete to each division with wastes combined to form a single outlet. The rate tendered for this item shall include 3 in. x 1 in. hardwood crates, which shall remain the property of the Corporation.

Item 3120.—The Concrete Copper Stands shall be constructed to take a 14-gallon boiler, and shall be fitted with fire grate door and 9 feet of concrete flue piping. All crating necessary for the safe transport by rail shall be provided by and at the expense of the Contractor.

Items Nos. 3117 and 3118 will be delivered loaded into trucks at Springvale Railway Station.

Items Nos. 3119 and 3120 will be delivered loaded into trucks at Hawthorn Railway Station.

3117	Trough, reinforced concrete "Rockla"— 12' long, for Cattle (as specified)	Aust.	40	each	7	10	0	} Coates & Co. Pty. Ltd.
3118	8' long, for Pigs (as specified)	"	12	do.	3	12	6	
3119	Trough, Wash, reinforced cement (as specified)	"	200	do.	1	7	6	} Geo. Simpson & Son
3120	Concrete Copper Stands (as specified)	"	150	do.	3	19	0	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	

BRICKS, BUILDING.

(Various Districts.)

The Bricks shall be carefully loaded into trucks at the railway station named and consigned as ordered, and such loading shall be performed by and at the expense of the Contractor, and to the satisfaction of the Chief Storekeeper.

The Bricks shall be well burnt, sound, hard, truly shaped, and of uniform size and colour.

The Stores referred to in this Schedule shall be wholly manufactured or produced at the factory or works of the Contractor at the address named in this Schedule. No sub-letting will be allowed.

BENDIGO AND DISTRICT.							
†3121	Bricks, Building, delivered into trucks at Selkirk's Siding, Ballarat Railway Station	Aust.	24,000	1,000	3 0 0	James Selkirk	
BALLARAT DISTRICT.							
†3122	Bricks, Building, delivered into trucks at Selkirk's Siding, Ballarat Railway Station	"	500,000	do.	3 0 0		
MARYBOROUGH DISTRICT.							
†3123	Bricks, Building, delivered into trucks at Selkirk's Siding, Ballarat Railway Station	"	50,000	do.	3 0 0	Nil	
NORTH-EASTERN DISTRICT — TOOLAMBA TO KYABRAM AND BRANCH LINES.							
†3124	Bricks, Building, delivered into trucks at Railway Station		10,000	do.	..		
NORTH-EASTERN DISTRICT—BENALLA TO WODONGA AND BRANCH LINES.							
†3125	Bricks, Building, delivered into trucks at Railway Station		10,000	do.	..		
3126	Nil.						

BUILDING AND CONCRETE SAND.

The Sand shall be clean and free from foreign matter, and shall be delivered properly loaded into railway trucks at the station named, and consigned as ordered. The proper loading of the Sand into railway trucks shall include so lining the trucks with paper as to prevent the Sand escaping, and the Contractor shall be liable for any loss of Sand arising, in the judgment of the Chief Storekeeper, from the Contractor's failure or neglect to so line the trucks, and the amount of such loss as assessed by the Chief Storekeeper shall from time to time be borne by the Contractor, and may be deducted from any moneys due to him by the Corporation.

Measurement will be made at the Railway Station from which the Sand is consigned, and arrangements are to be made for this when placing order by the Storehouse Manager.

Inspection will be made at the Railway Station to which the Sand is consigned.

A portion of the contract sample for each item is held by the Workshops Manager, North Melbourne, for the purpose of checking deliveries as regards quality.

†3127	Sand— Fine	Aust.	11,000 cubic yds.	cubic yard.	do.	0 3 0	Nil Earlston Pty. Ltd.
†3128	Coarse, delivered at Coy.'s Siding, Cranbourne						
†3129	Medium, delivered at Coy.'s Siding, Cranbourne						
†3130	Coarse, for concrete work, delivered at Pyalong	"	5,000 cubic yds.	do.	0 3 0	Mollison Sand & Gravel Co. Pty. Ltd.	
3131 to 3132	Nil.						

Item No.	Description	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	

SAND FOR LOCOMOTIVES AND MOULDING PURPOSES.

The Sand shall be delivered, properly loaded into railway trucks at the station named, and consigned as ordered. The proper loading of the Sand into railway trucks shall include lining the trucks with paper so as to prevent the Sand escaping, and the Contractor shall be liable for any loss of Sand arising, in the judgment of the Chief Storekeeper, from the Contractor's failure or neglect to so line the trucks, and the amount of such loss as assessed by the Chief Storekeeper shall from time to time be borne by the Contractor, and may be deducted from any moneys due to him by the Corporation.

Measurement will be made at the railway station from which the Sand is consigned, and arrangements are to be made for this by Storehouse Manager when placing order.

Inspection will be made at the railway station to which the Sand is consigned.

When placing order under Items Nos. 3133 to 3137, the place of delivery together with freight to destination and ability of Contractor to supply, shall be taken into consideration.

†3133	Sand, Locomotive, delivered at Lal Lal ..	Aust.	} 2,600	cub.yd.	0 5 0	A. P. Parker
†3134	" " Coleraine ..	"		do.	0 3 6	Permewan, Wright Ltd.
†3135	" " Carisbrook ..	"		do.	0 2 10	Dowie Bros.
†3136	" " Seaford ..	"		do.	0 4 0	R. W. McCulloch & Co.
†3137	" " Ballarat ..	"		do.	0 3 6	George Waller
3137A	Sand, for Brass Moulding purposes ..	"	100 c. yds.	do.	..	Nil
3137B	" Red Moulders' ..	"	500 "	..	..	Nil

FIRE BRICKS, ETC.

The Fire Bricks and Lumps shall be carefully loaded into trucks at the station named, and be properly packed with straw so as to prevent damage in transit, failing which the Contractor shall be held responsible and liable for any loss or damage which, in the judgment of the Chief Storekeeper, shall arise or occur owing to the Contractor's failure to properly load and pack the Stores.

All Fire Bricks and Fire Lumps shall bear the manufacturer's name or brand.

The material supplied by the Australian Gas Retort and Firebrick Manufacturing Company will be delivered into trucks at Windsor Railway Station; and that supplied by the Ordish Firebrick Company Pty. Ltd. and Edna Firebrick Company Pty. Ltd. will be delivered into trucks at Dandenong Railway Station; and the Pakenham Firebrick and Tile Coy. at Pakenham.

As regards Items Nos. 3141 to 3144A, and 3146 to 3147A, orders are to be placed in the Ordish Firebrick Co. Pty. Ltd. for requirements at the Newport Power House, and orders should be placed on the lowest tenderer for other requirements, and where rates are equal the business should be equally divided, provided satisfactory service is rendered and suitable bricks supplied.

As regards Item No. 3145, a trial order is to be placed on the Edna Firebrick Co. to enable tests to be conducted, and until this is proved satisfactory, orders are to be placed on the Pakenham Firebrick Pipe and Tile Co.

†3138	Bricks, Fire, Locomotive— Ordinary Small, to Item No. 1 of Drawing No. 1524	Aust.	100,000	100	1 10 0	} Ordish Firebrick Co. Pty. Ltd.
†3139	Side Carrier, to Item No. 2 ..	"	22,000	do.	2 0 0	
†3140	Front Centre, to Item No. 3 ..	"	30,000	do.	2 0 0	
†3141	Bricks, Fire— Ordinary, including splits, soaps, and wedges	"	} 600,000	do.	0 18 0	Aust. Gas Retort and Firebrick Manufg. Co.
†3141A	Ordinary, including splits, soaps, and wedges	"		do.	0 16 0	Ordish Firebrick Co. Pty. Ltd.
†3142	To any other sizes and templates ordered, templates not exceeding 9" x 4½" x 3¼"	"		do.	1 0 0	Aust. Gas Retort & Firebrick Manufg. Co.
†3142A	To any other sizes and templates ordered, templates not exceeding 9" x 4½" x 3¼"	"		do.	0 18 0	Ordish Firebrick Co. Pty. Ltd.
*3143	Segment, 9" x 6½" x 6"	"		do.	2 0 0	Aust. Gas Retort & Firebrick Manufg. Co.
*3143A	Segment, 9" x 6½" x 6"	"		do.	2 5 0	Ordish Firebrick Co. Pty. Ltd.
†3144	Segment, to any other sizes and templates ordered	"		6,000	do.	1 10 0	Aust. Gas Retort & Firebrick Manufg. Co.
†3144A	Segment, to any other sizes and templates ordered	"	do.	do.	1 10 0	Ordish Firebrick Co. Pty. Ltd.
†3145	Clay, Fire, machine ground ..	"	} 4,000 cwt.	cwt.	0 2 6	Edna Firebrick Co. Pty. Ltd.
†3145A	Clay, Fire, machine ground ..	"		do.	do.	0 3 0	Pakenham Firebrick Pipe & Tile Co.
†3146	Lumps, Fire— 12" x 6" x 36"	"	} 100 "	do.	0 8 0	Aust. Gas Retort & Firebrick Manufg. Co.
†3146A	12" x 6" x 36"	"		do.	do.	0 9 4	Ordish Firebrick Co. Pty. Ltd.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
FIRE BRICKS, ETC.—continued.								
†3147	Lumps—Fire— <i>continued.</i> Any sizes other than 12" x 6" x 36", and any patterns ordered for lumps over 9" x 4½" x 3¼", or segment over 10½" x 6" x 3"	Aust.	400 cwt.	cwt.	0	8	0	Aust. Gas Retort & Firebrick Manufg. Co.
†3147A	Any sizes other than 12" x 6" x 36", and any patterns ordered for lumps over 9" x 4½" x 3¼", or segment over 10½" x 6" x 3"	"		do.	0	11	8	Ordish Firebrick Co. Pty. Ltd.
*3148	Pedestals, Fire Lump	"		400	100	1	15	0	Edna Firebrick Co. Pty. Ltd.
3149	} Nil.							
3150								

INFUSORIAL EARTH (GROUND).

The Stores referred to in this Schedule shall be wholly manufactured or produced at the factory or works of the Contractor at the address named in this Schedule. No sub-letting will be allowed.

The material required is that known as Infusorial Earth, i.e., Diatomaceous Earth, free from stones and foreign matter.

The Infusorial Earth (Diatomaceous Earth) shall be ground ready for mixing.

A sample of the Infusorial Earth tendered, of at least 10 lb. in weight, shall be submitted with the tender.

In allotting the Contract the undermentioned factors, (a), (b), (c), and (d), in addition to price and place of delivery, were taken into consideration:—

- (a) Fineness of sample.
- (b) Moisture content of sample.
- (c) Weight per unit volume of sample.
- (d) Percentage of true Infusorial Earth.

*The empty bags will be returned by the Corporation to the Contractor from time to time at the Metropolitan Receiving Depot. Any bags not returned within 14 days after delivery at Newport to be paid for at 7s. per dozen.

Weights as ascertained over the Departmental Weighbridge at Hawthorn shall be accepted for all purposes of this Contract provided weighbridge tickets are submitted with Contractor's invoice.

†3151	Earth, Infusorial, in bags, which will remain property of Contractor, delivered into trucks at Hawthorn Railway Station ..	Aust.	120 tons	ton	*7	15	6	S. B. Newman
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FOUNDRY COKE.

The Coke will be ordered in minimum quantities of 150 Tons.

The rate does not include wharfage dues of the Melbourne Harbour Trust. The Corporation will arrange clearance.

Delivery will be taken in railway trucks at Victoria Dock, Williamstown, or any other suitable discharging berth at the port of Melbourne at Contractor's option, and payment will be made on the out-turn weights as ascertained over the weighbridges of the Corporation at the place where the ship discharges.

It will be noted that the contract provides for alternative rates, shipped from Sydney or Port Kembla.

Delivery ex Port Kembla is lower but it is believed that shipment ex Sydney gives better results, as the breakage when loading at this port is very slight as compared with that of Port Kembla.

The Stores Overseer will arrange to place an order for delivery ex each port and in due course report on the results obtained to determine where future shipments will be made from.

The order shall indicate to the Contractor in each case from which port the coke is to be shipped.

The contract is subject to certain conditions regarding Strikes, &c.

*The rate is based on the present rate of Interstate Steamer freight, viz.: 25s. per ton, which will operate until the 30th June, 1928. Should any alteration in such freight take place after the 30th June, 1928, then such increase or decrease, as the case may be, shall be added to or subtracted from the contract rate per ton.

Should any duty rate or charge upon Coke be imposed by the Parliament of the Commonwealth or of any of the States or by any Authority empowered to make or levy duties, rates or charges on Coke, or should the cost of production or delivery of the Coke be increased or decreased by the Award or Order of any competent Authority or by Federal or State Legislative Action or by the variation of Government Railway Freight, Wharfage, Shipping charges, Crane dues, or by increase or decrease in cost of Coal brought about by any of the foregoing causes during the currency of this contract, such increased or decreased cost of Coke is to be borne by or allowed to the Corporation respectively.

3152	Coke, Foundry, Purified, "Mount Pleasant," shipped from Port Kembla	Aust.	1,600 tons	ton	*3	7	5	Melbourne Steamship Co. Ltd.
3152A	Coke, Foundry, Purified, "Mount Pleasant," shipped from Sydney	"		do.	*3	10	5	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
BOOKS, ETC.						
The Contractor submitted samples of the paper to be used in the Books, &c., supplied under Items 3153 to 3157 and Items 3162 to 3175.						
As regards Items Nos. 3153 to 3157, the paper used in the Copying Books shall be "Averil Star" brand.						
Books—						
*3153	Copying, Crown folio, 500 leaves, $\frac{1}{4}$ basil, with index	Aust.	300	each	0 8 0	Redmond Inglis & Co.
*3154	" Crown folio, 750 leaves, $\frac{1}{2}$ basil, with index	"	100	do.	0 14 9	
*3155	" Large Post folio, 750 leaves, $\frac{1}{2}$ basil, with index	"	200	do.	0 17 3	
*3156	" Large Post folio, 750 leaves, $\frac{1}{4}$ basil	"	400	do.	0 13 9	
*3157	" Double Crown folio, 750 leaves, $\frac{1}{2}$ basil	"	48	do.	1 7 0	
Binders, Instantaneous—						
†3158	Foolscap	U.K.	200	do.	0 2 0	Sands & McDougall Pty. Ltd.
†3159	Large Quarto	"	50	do.	0 1 10	
†3160	Small Quarto	"	50	do.	0 1 9	
<small>Percentage of Published Price List submitted by Contractor and current during period of this Contract.</small>						
3161	Diaries, Australian	Aust.	£200		35%	
Books—						
*3162	Foolscap, ruled, $\frac{1}{4}$ cloth, 2 quire ..	"	1,900	each	0 0 10 $\frac{3}{4}$	Redmond Inglis & Co.
*3163	" ruled faint, $\frac{1}{2}$ basil, 2 quire ..	"	1,000	do.	0 5 0	
*3164	" ruled faint, $\frac{1}{2}$ basil, 3 quire ..	"	100	do.	0 5 6	
*3165	" ruled faint, $\frac{1}{2}$ basil, 4 quire ..	"	400	do.	0 6 3	
*3166	" ruled faint, single or double cash, paged or folioed, as ordered, $\frac{1}{2}$ basil, 4 quire	"	100	do.	0 6 9	
*3167	Indices Foolscap, marble cover, one leaf to a letter ..	"	140	do.	..	Nil
*3168	" " hand made, full basil, one leaf to a letter ..	"	10	do.	..	
*3169	" " hand made, full basil, two leaves to a letter ..	"	..	do.	..	
*3170	" " hand made, full basil, four leaves to a letter ..	"	400	do.	..	
*3171	Manifold, 5" x 8", 100 leaves, in duplicate, two sheets of single-sided carbon paper to be supplied with each book	Aust.	7,000	dozen	0 7 9	Lamson Paragon Ltd.
*3172	" 14 $\frac{3}{4}$ " x 9", 100 leaves in triplicate, two page index in front, three sheets single-sided carbon paper to be supplied with each book	"	100	do.	2 8 0	Redmond Inglis & Co.
*3173	Memo., Foolscap 8vo, 8 sheet, American cloth	"	20,000	do.	0 2 3	Spicers & Detmold Ltd.
*3174	" Post 8vo, 18 sheet, full rexine ..	"	2,000	do.	0 8 3	Redmond Inglis & Co.
*3175	" Post 8vo, 18 sheet, full rexine indexed throughout	"	400	do.	0 11 6	Spicers & Detmold Ltd.
†3176	Pocket, Metallic, Smith's 195	"	100	each	0 3 0	Sands & McDougall Pty. Ltd.
†3177	" Metallic, Smith's 197	"	50	do.	0 3 9	
†3178	" Penny's No. 136	"	250	do.	0 4 3	
†3179	Refills for Penny's Pocket-books, No. 136	"	200	do.	0 0 4 $\frac{1}{2}$	Spicers & Detmold Ltd.
†3180	Shorthand, note	"	1,800	dozen	0 2 8	Redmond Inglis & Co.
Oil Sheets, hand made—						
†3181	Foolscap folio	"	80 doz. sheets	do.	0 1 3	Spicers & Detmold Ltd.
†3182	Large Post folio	"	160 "	do.	0 2 0	
3183 to 3186	Nil.					

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor...
					£	s.	d.	

BROWN PAPER, PASTE AND TICKET BOARDS, ETC.

The Brown Paper under Item No. 3188 shall be supplied flat or folded as may be ordered.

The Manila Luggage Checks shall be supplied in tiers of four, measuring $4\frac{1}{2}$ in. x $7\frac{1}{2}$ in. over all, slitted to within $\frac{1}{4}$ in. of top and bottom of each check, perforated across $2\frac{1}{8}$ in. from top, and packed in strawboard boxes each containing 1,000 checks.

The Royal Pasteboards shall be supplied in bundles of 1 gross each, and a label shall be attached to each bundle indicating the thickness of the Boards contained therein.

The Royal Surface Boards shall be supplied in bundles of 1 gross each, and a label shall be attached to each bundle indicating the colour of the Boards contained therein.

The Manila Ticket Boards shall be supplied in bundles of 50 each.

The Wood Pulp Boards shall caliper between .070 and .075.

As regards quality and finish, the Ticket Boards supplied shall be in strict accordance with the contract samples.

Ticket Boards shall caliper not less than .029 nor more than .032.

As regards colour, the Ticket Boards supplied shall be in strict accordance with the contract samples, and each package shall be marked with the Item No. to which it pertains.

The Ticket Boards shall be supplied trimmed to the exact size ordered, and shall be delivered in wrapped packages of one-half hundredweight each, exclusive of wrapper, and be free from moisture.

	Brown Paper, M. G. Finish—							
†3187	Quad. Imperial, Kraft, 58" x 45", 136 lb.	Aust.	20 reams	ream	2 3 8	} Australian Paper Manfrs. Ltd.		
†3188	Double Imperial, Kraft, 56 lb.	"	2 tons	ton	36 0 0			
†3189	Kraft, in rolls, 30" wide, 80 lb. Double Imperial Substance	"	200 rolls	do.	36 0 0			
†3190	17" x 27", 80 lb.	"	40 reams	ream	1 5 0			
	Manila Luggage Checks—							
†3191	Checks, Luggage, Red	"	} 500,000	1,000	0 4 3	} Fahle & Whiting		
†3192	" " Green	"		do.	0 4 3			
†3193	" " White	"		do.	0 4 3			
*3194	" " $6\frac{1}{2}$ " x $2\frac{1}{2}$ ", printed one side (four stereos supplied), two perforations. Washered. In gangs of four. Boxed in 1,000's	"		1,000,000	do.		0 4 0	Sands & McDougall Pty. Ltd.
	Pasteboards, Surface Boards, &c.—							
†3195	Royal Pasteboards, 20" x 25", 3 sheet, 21 lb.	"	1,000 gross	gross	0 9 0	} Australian Paper Manfrs. Ltd.		
†3196	" " 20" x 25", 6 sheet, 48 lb.	"	200 "	do.	1 1 0			
†3197	Wood Pulp Board, 34" x 44", 50's	"	240 cwt.	cwt.	1 11 0			
†3198	Boards, Cloth lined, 20" x 25", any standard colour ordered	U.K.	20 gross	gross	2 12 9	John Dickinson & Co. (Aust.) Ltd.		
	Royal Surface Boards, 20" x 25"—							
†3199	Green	Sweden	40 "	do.	0 17 9	} H. S. Bishop		
†3200	Red	"	120 "	do.	0 17 9			
†3201	Yellow	"	120 "	do.	0 17 9			
†3202	Blue	"	40 "	do.	0 17 9			
	Strawboard—							
†3203	25" x 30", 12 oz., Plain	Aust.	8 cwt.	cwt.	0 18 0	Australian Paper Manfrs. Ltd.		
	Manila Ticket Board—							
*3204	22" x 30"	"	32,000 sheets	100 sheets	4 10 0			
	Labels—							
*3205	Linen, Large, No. 5	"	40,000	1,000	0 10 6	} Spicers & Detmold Ltd.		
*3206	" Small, $2\frac{1}{2}$ " x 2"	"	10,000	do.	0 7 0			
†3207	Manila, No. 5, in gangs of four and boxed	"	800,000	do.	0 2 8	} Fahle & Whiting		
†3208	" No. 6, in gangs of four and boxed	"	400,000	do.	0 3 2			
	Pulp Board—							
†3209	Royal Pulp Board four sheet, assorted light tints	Sweden	400 gross	gross	0 5 4	Spicers & Detmold Ltd.		

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
BROWN PAPER, PASTE AND TICKET BOARDS, ETC.—continued.						
	Ticket Boards, 23" x 25"—					
†3210	Buff	Aust.	20 tons	ton	34 0 0	} Australian Paper Manfrs. Ltd.
†3211	Blue	"	10 "	do.	34 0 0	
†3212	Cerise	"	10 "	do.	34 0 0	
†3213	Green	"	10 "	do.	34 0 0	
†3214	White	"	140 "	do.	34 0 0	
†3215	Yellow	"	10 "	do.	34 0 0	
	System Boards, 25½" x 30½"—					
†3216	Buff, 138 or 140 lb.	U.K.	30 reams	ream	4 16 0	} E. H. Cooper Pty. Ltd.
†3217	White, 138 or 140 lb.	"	10 "	do.	4 16 0	
†3218	Salmon or Blue, as ordered, 138 or 140 lb.	"	16 "	do.	4 16 0	
†3219	Buff, 170 lb.	"	6 "	do.	5 15 0	
†3220	White, 170 lb.	"	4 "	do.	5 15 0	
†3221	Any colour ordered, 170 lb.	"	6 "	do.	5 15 0	
†3222	Board, Postcard, Art, two-sided, 22½" x 28½"	Holland	80 gross	gross	1 11 0	Woolcott & Mackie Pty. Ltd.
3223 to 3226	Nil.					

DRAWING PAPERS, PAPER BAGS, ETC.

	Paper, Drawing—					
†3227	Antiquarian, hand-made, James Whatman, "N.O.T."	U.K.	30 quires	quire	3 17 0	} R. C. Paterson & Co. Pty. Ltd.
†3228	Antiquarian, mounted on linen	"	100 yards	lin. yd.	0 9 6	
†3229	Double Elephant, hand-made, "James Whatman," or H.P. as ordered	"	14 quires	quire	1 2 0	Max Wurcker Ltd.
†3230	Cartridge, 60" wide, continuous; No. 60, in rolls of 50 yards	"	40 rolls	roll	1 11 3	} R. C. Paterson & Co. Pty. Ltd.
†3231	" 54" wide, mounted on linen, No. 60, in rolls of 50 yards	"	12 "	do.	16 5 0	
†3232	Tenax, 60" wide, continuous, No. 62, in rolls of 50 yards	"	36 "	do.	3 15 0	
	Bags, Paper, Brown—					
†3233	½ lb.	Aust.	10,000	1,000	0 2 0	} C. R. Gabb & Co.
†3234	1 lb.	"	500,000	do.	0 3 0	
†3235	2 lb.	"	600,000	do.	0 4 2½	
†3236	3 lb.	"	600,000	do.	0 5 9	} T. E. Verga Pty. Ltd.
†3237	4 lb.	"	600,000	do.	0 7 0	
†3238	6 lb.	"	80,000	do.	0 8 4	
	Bags, Paper, Confectionery—					
†3239	4 oz.	"	50,000	do.	0 1 9	} C. R. Gabb & Co.
†3240	6 oz.	"	10,000	do.	0 1 11	
†3241	8 oz.	"	200,000	do.	0 2 0	
†3242	16 oz.	"	60,000	do.	0 2 10	
	Bags, Paper, Kraft, Brown, heavy—					
†3243	6 lb.	"	40,000	do.	0 17 6	} Andrew Jack Dyson & Co. Pty. Ltd.
†3244	8 lb.	"	10,000	do.	1 2 6	
†3245	10 lb.	"	10,000	do.	1 6 0	T. E. Verga Pty. Ltd.
†3246	12 lb.	"	70,000	do.	1 11 6	} Andrew Jack Dyson & Co. Pty. Ltd.
†3247	16 lb.	"	6,000	do.	1 17 6	
	Bags, Sugar, Sulphide—					
†3248	½ lb.	"	6,000	do.	0 6 8	} Andrew Jack Dyson & Co. Pty. Ltd.
†3249	1 lb.	"	20,000	do.	0 7 4	
†3250	2 lb.	"	20,000	do.	0 10 0	} T. E. Verga Pty. Ltd.
†3251	3 lb.	"	10,000	do.	0 14 0	
†3252	4 lb.	"	10,000	do.	0 16 0	
†3253	6 lb.	"	4,000	do.	1 1 0	
†3254	8 lb.	"	8,000	do.	1 8 6	
†3255	10 lb.	"	4,000	do.	1 12 6	
	Boxes, Cardboard—					
*3256	7½" x 4½" x 2½"	"	8 gross	gross	0 15 9	} Sands & McDougall Pty. Ltd.
*3257	Corrugated	"	8 "	do.	1 5 9	
†3258	Envelopes— Glazed Manilla, Pocket, 2½" x 5½"	"	32,000	1,000	0 5 9	

Item No.	Description	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.	
					£ s. d.		
DRAWING PAPERS, PAPER BAGS, ETC.—continued.							
	<i>Envelopes—continued.</i>						
†3259	First Quality, White, Note, 5 $\frac{3}{8}$ " x 3 $\frac{1}{8}$ " ..	Aust.	100,000	1,000	0 4 6	} Spicers & Detmold Ltd.	
†3260	Pence, M.G. Manilla, 3" x 2 $\frac{1}{4}$ " ..	"	120,000	do.	0 4 1		
	<i>Rolls of Paper—</i>						
†3261	Burroughs Adding Machine Paper ..	"	600 rolls	roll	0 0 10		
†3262	Paper, Brown, Gummed Adhesive, 1" wide, 800' to roll	"	900 "	do.	0 1 0		
†3263	White News, 12" wide x 50 yards long ..	"	500 "	do.	0 0 9		
†3264	Tape, Telegraph Instrument ..	"	2,800 lb.	lb.	0 0 10 $\frac{1}{2}$		
	<i>Visiting Cards—</i>						
3265	Cards, Gent's Visiting, round or square cornered, as ordered (boxes of 50's), "Rajah."	"	800 boxes	box	0 0 3 $\frac{1}{2}$		
3266 to 3267	} Nil.						

PRINTING AND WRITING PAPERS.

The Printing Papers shall be equal in quality, weight, and colour to the samples furnished by the Contractor and accepted by the Corporation, and shall be cut to the true size ordered. Each ream shall contain 500 sheets, and shall be supplied flat (not folded). No creased or damaged paper will be accepted.

The Writing Papers shall be equal in quality, weight, and colour to the samples furnished by the Contractor and accepted by the Corporation, and shall be cut to the true size ordered. Each ream shall contain 480 sheets, and shall be supplied flat (not folded). No creased or damaged paper will be accepted.

As regards Items Nos. 3322, 3324 and 3325 two tenders have been accepted.

The rates tendered by the Australian Paper Manufacturers Limited are within the measure of preference in each case, and after it has been determined that this company can produce suitable paper, orders are to be placed on this company in preference to J. Dickinson and Co. (Aust.) Ltd., for paper of British material.

†3268	Printing Papers— Quad. Crown, News, 44 lb. ..	Canada	200 reams	ream	0 9 1 $\frac{1}{2}$	Gordon & Gotch (Aust.) Ltd.	
†3269	" Art, 72 lb., 500's ..	U.K.	5,000	do.	1 15 6	} Wiggins, Teape & Alex. Pirie (Export) Ltd.	
†3270	" Art, 120 lb., 500's ..	"	30	do.	3 0 0		
†3271	" White, 48 lb. ..	"	1,200	do.	0 14 7 $\frac{1}{2}$	} John Dickinson & Co. (Aust.) Ltd.	
†3272	" Sup. Cal., 72 lb. ..	"	5,000	do.	1 1 6		
†3273	Double Royal, Blue, 48 lb. ..	Scand.	100	do.	0 11 7	} E. H. Cooper Pty. Ltd.	
†3274	" Cerise, 48 lb. ..	"	100	do.	0 11 7		
†3275	" Green, 48 lb. ..	"	160	do.	0 11 7		
†3276	" Red, 48 lb. ..	Belgium	100	do.	0 15 10		
†3277	" Salmon, 48 lb. ..	Scand.	140	do.	0 11 7		
†3278	" Yellow, 48 lb. ..	"	150	do.	0 11 7		
†3279	" White, 40 lb. ..	U.K.	2,600	do.	0 12 1		John Dickinson & Co. (Aust.) Ltd.
†3280	" News, 37 lb. ..	Canada	700	do.	0 7 8		Gordon & Gotch (Aust.) Ltd.
†3281	" White, 50 lb. ..	U.K.	1,400	do.	0 15 1 $\frac{1}{2}$		John Dickinson & Co. (Aust.) Ltd.
†3282	" Pink, 48 lb. ..	Scand.	100	do.	0 11 7		E. H. Cooper Pty. Ltd.
†3283	" M.G., 80 lb. ..	U.K.	120	do.	1 8 3	L. W. Woolcott	
†3283A	" Art, 60 lb., 500's ..	"	40	do.	1 10 0	Wiggins, Teape & Alex. Pirie (Export) Ltd.	
†3284	Quad. Foolscap, White, 37 lb. ..	"	4,000	do.	0 11 1	John Dickinson & Co. (Aust.) Ltd.	
†3285	" Yellow, 40 lb. ..	Scand.	400	do.	0 9 7 $\frac{1}{2}$	} E. H. Cooper Pty. Ltd.	
†3286	Double Medium, Cerise, 80 lb. ..	"	10	do.	0 19 8		
†3287	" Yellow, 80 lb. ..	"	10	do.	0 19 8		
†3288	" Salmon, 80 lb. ..	"	10	do.	0 19 8		
†3289	" Blue, 80 lb. ..	"	10	do.	0 19 8		
†3290	" Art, 56 lb., 500's ..	U.K.	40	do.	1 8 0		Wiggins, Teape & Alex. Pirie (Export) Ltd.
†3291	Glazed Cap, 36" x 24", 45 lb. ..	Aust.	1,000	do.	0 16 0	Australian Paper	
†3292	Smooth Cartridge, 20" x 25", 40 lb. ..	"	200	do.	0 18 6	Manfrs. Ltd.	
†3293	Double Demy, Yellow, 40 lb. ..	Scand.	120	do.	0 9 7 $\frac{1}{2}$	E. H. Cooper Pty. Ltd.	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
PRINTING AND WRITING PAPERS—continued.								
Printing Papers—continued.								
†3294	Double Demy, News, 28 lb.	Canada	2,000 reams	ream	0	5	9½	Gordon & Gotch (Aust.) Ltd.
†3295	" Green, 40 lb.	Scand.	80	do.	0	9	7½	E. H. Cooper Pty. Ltd.
†3296	" White, 40 lb.	U.K.	800	do.	0	12	1½	J. Dickinson & Co. (Aust.) Ltd.
†3297	" Pink, 40 lb.	Scand.	280	do.	0	9	7½	E. H. Cooper Pty. Ltd.
†3298	" Red, 40 lb.	Belgium	70	do.	0	13	4	E. H. Cooper Pty. Ltd.
†3299	" Salmon, 40 lb.	Scand.	40	do.	0	9	7½	
†3300	" Green, 24 lb.	"	100	do.	0	5	8	John Dickinson & Co. (Aust.) Ltd.
†3301	" White, Sup. Cal., 40 lb.	U.K.	100	do.	0	12	1½	
†3302	Double Crown, Manila Carte, 20" x 30", 100 lb.	Aust.	30	do.	1	17	6	Australian Paper Manfrs. Ltd.
†3303	" White Cap., 7-8 lb.	Scand.	700	do.	0	2	6½	E. H. Cooper Pty. Ltd.
†3304	" Grease-proof, 16-17 lb.	"	350	do.	0	5	7½	
†3305	Demy, White, Gummed, 1st quality, 500's "Don"	U.K.	40	do.	0	17	6	Wiggins Teape & Alex. Pirie (Export) Ltd.
†3306	" " " 2nd quality, 500's "Dee"	"	500	do.	0	15	6	
Lithographic Papers—								
†3307	51" x 31", 160 lb.	"	80	do.	3	13	4	John Dickinson & Co. (Aust.) Ltd.
†3308	Double Royal, 80 lb.	"	40	do.	1	16	8	
†3309	Double Demy, 72 lb.	"	200	do.	1	13	0	
Writing Papers—								
†3310	Double Large Post, Bank, White, 22 lb.	Aust.	600	do.	0	9	7½	Australian Paper Manfrs. Ltd.
†3311	" " White, 36 lb.	U.K.	400	do.	0	11	9	John Dickinson & Co. (Aust.) Ltd.
†3312	" " White, 46 lb.	"	400	do.	0	18	8	
†3313	" Medium Bond, White, 36 lb.	Canada	1,200	do.	0	18	5	L. W. Woolcott.
†3314	" " Blue, 36 lb.	"	40	do.	0	19	8	
†3315	" " Green, 36 lb.	"	40	do.	0	19	8	
†3316	" " Pink, 36 lb.	"	100	do.	0	19	8	
†3317	" " Yellow, 36 lb.	"	60	do.	0	19	8	
†3318	" " Medium, Azure, 68 lb.	U.K.	60	do.	2	7	5	
†3319	Quad. Foolscap, Bank, 15 lb. (Manifolding)	Scand.	120	do.	0	8	1½		Gordon & Gotch (Aust.) Ltd.
†3320	" Azure Laid, 60 lb.	U.K.	300	do.	2	1	9	John Dickinson & Co. (Aust.) Ltd.
†3321	" Azure, 48 lb.	"	100	do.	0	18	0	Tallis, Hunter & Co. Ltd.
†3322	" White, 48 lb., Wove	"	2,000	do.	0	19	5½	John Dickinson & Co. (Aust.) Ltd.
†3322A	" White, 48 lb., Wove	Aust.		do.	1	0	0	Australian Paper Manfrs. Ltd.
3323	" Bank, any colors ordered 28 lb.	"	do.	0	12	3		
3323A	Double Royal, " " 30 lb.	"	3,000	do.	0	13	1½	John Dickinson & Co. (Aust.) Ltd.
3323B	" Demy, " " 25 lb.	"		do.	0	10	11½	
3323C	" " Old Gold, 25 lb.	"	do.	0	10	11½	John Dickinson & Co. (Aust.) Ltd.	
3324	Quad. Foolscap, Duplicating, White, 48 lb.	U.K.	do.	1	4	0		
3324A	" " White, 48 lb.	"	3,000	do.	1	3	6	Australian Paper Manfrs. Ltd.
3325	" " White, 48 lb., hard-sized	Aust.		do.	1	4	0	
3325A	" " White, 48 lb., hard-sized	U.K.	do.	1	3	3	John Dickinson & Co. (Aust.) Ltd.	
†3326	Double Foolscap, Blue, 24 lb.	"	120	do.	0	11	11½	John Dickinson & Co. (Aust.) Ltd.
†3327	" " " Charles Martin," C.L., 28 lb.	"	350	do.	1	9	2	
†3328	" " 28 lb. " Abermill Bond," 500's	"	60	do.	0	15	9	Wiggins, Teape & Alex. Pirie (Export) Ltd.
3329	Double Demy, Azure, 48 lb.	"	120	do.	1	13	6	John Dickinson & Co. (Aust.) Ltd.
3330	Azure Laid, 16½" x 37", 50-51 lb.	"	300	do.	2	2	3	
3331	27" x 41", White, 75 lb., 500's	"	30	do.	1	8	2	Woolcott & Mackie Pty. Ltd.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
PRINTING AND WRITING PAPERS—continued.						
†3332	Blotting Paper—					
†3333	Demy, White, 36 lb.	Aust.	400 reams	ream	0 19 6	Australasian Paper Manfrs. Ltd. John Dickinson & Co. (Aust.) Ltd.
3334 to 3338	„ „ 46 lb., 1st quality, folded or flat, as ordered	U.K.	80 „	do.	2 2 2	
	Nil.					

SANITARY PAPER (TOILET).

The Corporation undertakes to order up to the quantities shown opposite to Items 3339 and 3340 respectively.

Name of Manufacturer.—British Patent Perf. Paper Co., New South Wales:

†3339	Paper, Sanitary, Toilet—					H. S. Bishop
	Ordinary, in 10-oz. rolls, branded "Victorian Railways" on each sheet, perforated approx. 530 sheets per roll	Aust.	2,500 dozen rolls	dozen rolls	0 3 3	
†3340	Oval, in cases of 100 rolls, branded "Victorian Railways" on each sheet, sheets perforated and rolls slotted, 8-oz. rolls approx. 225 sheets per roll	"	100 cases	case	1 0 10	
3341	Nil.					

TRACING CLOTH, ETC.

As regards Item Nos. 3344 to 3351, Harding and Halden Sensitizing Co. (Overseas) Ltd., of 17A Pitt-street, Sydney, is the Contractor, but all orders will be satisfied by its Melbourne Agent, the Commercial Copying Co., of Temple Court, 423 Collins-street, Melbourne, and orders are to be placed on the Contractor c/o the latter company. Payment is to be made to the Melbourne Agents.

†3342	Cloth, Tracing—					W. & G. Dean Pty. Ltd.
†3343	30" wide, 24 yards in roll, "Sagars" ..	U.K.	120 rolls	roll	2 12 3	
	38" wide, 24 yards in roll, "Sagars" ..	"	120 "	do.	3 0 6	
†3344	Linen, Ferro Prussiate, "Alliance"—					Harding & Halden Sensitizing Co. (Overseas) Ltd. Care of Commercial Copying Coy.
†3345	30" wide x 20 yards long	Aust.	120 "	do.	*1 17 6	
	40" wide x 20 yards long	"	60 "	do.	*2 7 6	
†3346	Linen, Heliographic, Gallie Acid Bath, "Alliance"—					Max Wurcker Ltd.
†3347	30" wide x 20 yards long	"	80 "	do.	*2 9 0	
	40" wide x 20 yards long	"	40 "	do.	*3 0 6	
†3348	Paper, Ferro Prussiate, "Alliance"—					Max Wurcker Ltd.
	30"/31½" wide x 20 yards long, 110 grams to sq. metre	"	1,200 "	do.	*0 6 9	
†3349	40" wide x 20 yards long, 110 grams to sq. metre	"	320 "	do.	*0 8 9	
3350	Paper, Heliographic, Gallie Acid Bath, "Alliance"—					Max Wurcker Ltd.
†3351	30"/31½" wide x 20 yards long	"	600 "	do.	*0 10 6	
†3352	40" wide x 20 yards long	"	300 "	do.	*0 14 0	
	Paper, Tracing, Uncoiled, continuous, 40" wide, 22 yards in roll, No. 109 "Arcus"	Belgium	40 "	do.	*0 9 0	
†3353	Paper, Sepia, thin, negative, "Arcus"—					Max Wurcker Ltd.
†3354	30" x 20 yards	Aust.	10 "	do.	*1 1 0	
3355 to 3357	40" x 20 yards	"	10 "	do.	*1 6 0	
	Nil.					

CARBON PAPER.

†3358	Paper, Carbon, blue, extra rich, two sides, 20 lb.—					John Withers & Son Pty. Ltd.
†3359	Demy Folio, 17½" x 11½", Pencil, "Swallow"	U.K.	130 reams	ream	1 3 9	
	Fools cap Folio, 13½" x 8½", Pencil, "Swallow"	"	100 "	do.	0 15 0	

* Less 2½ per cent. discount, payment 30 days.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
CARBON PAPER—continued.						
†3360	Paper, Carbon, Brief, 13" x 16"— Billing, blue, in boxes of 100 sheets, "Hall Mark"	Aust.	50 boxes	box	0 7 6	Ramsay & Hall Pty. Ltd.
†3361	Paper, Carbon, Pen— Foolscap 4to, 50 sheets per box, "Cyro"	U.K.	30 "	do.	0 2 0	Farquharson Bros. (Aust.) Ltd.
*3362	17½" x 7½", approved quality, N.T.	"	10,000 sheets	100 sheets	0 6 6	Pencarbon Co. (Aust.) Ltd.
*3363	Paper, Carbon, Pen— 17½" x 10", approved quality, "Hall Mark"	Aust.	25,000 "	do.	0 8 0	Ramsay & Hall Pty. Ltd.
†3364	Paper, Carbon, Pencil— Foolscap Folio, 13" x 8", "Hall Mark"	"	250,000 "	do.	0 3 0	
†3365	Paper, Carbon, Typewriting, black (corner to be cut off each sheet)— Foolscap Folio, 13" x 8", to produce up to 20 copies, "Swallow"	U.K.	150,000 "	do.	0 3 6	John Withers & Son Pty Ltd
†3366	" Folio, 13" x 8", to produce up to 6 copies, "Hall Mark"	Aust.	100,000 "	do.	0 3 0	Ramsay & Hall Pty. Ltd.
†3367	" 13" x 16", to produce up to 20 copies, "Swallow"	U.K.	2,000 "	do.	0 7 0	John Withers & Son Pty. Ltd.
†3368	" 13" x 16", to produce up to 6 copies, "Hall Mark"	Aust.	40,000 "	do.	0 6 0	Ramsay & Hall Pty. Ltd.
†3369	Paper, Carbon, Typewriting— 17½" x 10", to take 3 copies, "Hall Mark"	"	10,000 "	do.	0 5 6	
*3370	17½" x 7½" " " "Hall Mark"	"		do.	0 4 9	
*3371	4" x 10", for Addressograph Machine, "Cyro"	U.K.	20,000 "	do.	0 3 2	Farquharson Bros. (Aust.) Ltd.
Paper, Carbon, Pencil, blue, one-side, "Hall Mark"—						
*3372	26½" x 5"	Aust.	400 "	do.	0 8 0	Ramsay & Hall Pty. Ltd.
*3373	20" x 8½"	"	4,000 "	do.	0 6 0	
*3374	20" x 5"	"	10,000 "	do.	0 4 0	
*3375	15" x 5"	"	2,000 "	do.	0 3 0	
*3376	13½" x 15"	"	4,000 "	do.	0 12 0	
*3377	13½" x 8½"	"	20,000 "	do.	0 4 0	
*3378	13½" x 4½"	"	10,000 "	do.	0 2 0	
*3379	12½" x 17"	"	3,000 "	do.	0 8 0	
*3380	8½" x 6½"	"	20,000 "	do.	0 2 6	
3381 to 3382	Nil.					

TYPEWRITING AND DUPLICATING MATERIALS, ETC.

As regards Items Nos. 3387 to 3390A, orders are to be placed on Ramsay and Hall Pty. Ltd. if the test being conducted proves that the Stencils supplied by that Company are not responsible for the damage of rollers, but if it be proved that this is the case, orders should be placed for the imported article.

†3383	Erasers, Circular	U.S.A.	6,000	dozen	0 1 10½	Sands & McDougall Pty. Ltd.
*3384	Solution, Damping Stencils, in 1-gallon tins	"	20 gals.	gallon	..	Nil
*3385	Ink, black, duplicating	Aust.	800 lb.	lb.	0 8 6	Ramsay & Hall Pty. Ltd.
*3385A	Ink, black, duplicating, No. 767	U.S.A.	500 bots.	do.	0 13 6	Stott & Hoare Pty. Ltd.
*3386	Varnish, Obliterating, ¼-oz. bots.	Aust.		bottle	0 1 0	Ramsay & Hall Pty. Ltd.
*3386A	Varnish, Obliterating, 1¼ oz. bots.	U.S.A.	700 qrs.	do.	0 1 3	Stott & Hoare Pty. Ltd.
*3387	Stencils, Wet, Folio, Indestructible, for Edison Mimeograph, No. 860, "Hall Mark"	Aust.		quire	0 8 6	Ramsay & Hall Pty. Ltd.
*3387A	Stencils, Wet, Folio, Indestructible, for Edison Mimeograph, No. 860	U.S.A.	do.	0 15 0	Stott & Hoare Pty. Ltd.	
*3388	Stencils, Dry, Folio, Indestructible, for Edison Mimeograph, No. 860, "Reflex"	Aust.	2,800 "	do.	0 8 6	Ramsay & Hall Pty. Ltd.
*3388A	Stencils, Dry, Folio, Indestructible, for Edison Mimeograph, No. 860, "Swallow"	U.K.		do.	0 8 0	John Withers & Son Pty. Ltd.
†3389	Stencils, Wet, Quarto, Indestructible, for Edison Mimeograph, No. 861, "Hall Mark"	Aust.	100 "	do.	0 8 6	Ramsay & Hall Pty. Ltd.
†3389A	Stencils, Wet, Quarto, Indestructible, for Edison Mimeograph, No. 861	U.S.A.		do.	0 13 4	Stott & Hoare Pty. Ltd.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
TYPEWRITING AND DUPLICATING MATERIALS, ETC.—continued.						
*3390	Stencils, Dry, Quarto, Indestructible, for Edison Mimeograph, No. 861, "Reflex"	Aust.	100 qrs.	quire	0 8 6	Ramsay & Hall Pty. Ltd.
*3390A	Stencils, Dry, Quarto, Indestructible, for Edison Mimeograph, No. 861, "Swallow"	U.K.		do.	0 8 0	John Withers & Son Pty. Ltd.
†3391	Ribbons, Typewriter, Copying, any colours, suitable for any machines, as ordered, "Hall Mark"	Aust.	1,500	dozen	0 17 0	Ramsay & Hall Pty. Ltd.
†3391A	Ribbons, Typewriter, Record, any colours, suitable for any machines, as ordered, "Hall Mark"	"	1,500	do.	0 15 0	
†3392	Ribbons, Typewriter, Copying, any colours, suitable for any machines, as ordered, narrow, bi-coloured, "Hall Mark"	"	24	do.	0 17 0	
†3393	Ribbons, Typewriter, Copying, any colours, and suitable for any machines, as ordered, broad, plain, "Hall Mark"	"	60	do.	1 2 0	
*3394	Ribbons, Typewriter, Purple, for "Ditto" machines	U.S.A.	100	each	0 6 0		Spicers & Detmold Ltd.
3395 to 3396	Nil.					

PRINTERS' INK, ETC.

The Ink to be supplied under Item 3397 shall not contain any Resin Oil Varnish.

†3397	Ink, Printing, Letterpress—					
	Black	Aust.	1,600 lb.	lb.	0 2 3	R. Collie & Co. Pty. Ltd.
†3398	Blue	"	20 "	do.	0 2 10	F. T. Wimble & Co. Ltd.
†3399	Bronze Blue, in 1-lb. tins	"	16 "	do.	0 4 0	R. Collie & Co. Pty. Ltd.
†3400	Mid Green	"	20 "	do.	0 3 6	
†3401	Red	"	360 "	do.	0 2 6	F. T. Wimble & Co. Ltd.
†3402	Violet	"	20 "	do.	0 5 6	R. Collie & Co. Pty. Ltd.
†3403	Violet, Copying	"	8 "	do.	0 11 6	F. T. Wimble & Co. Ltd.
†3404	Quick drying, 1st quality Half-tone Black	"	1,200 "	do.	0 3 3	
	Ink, Ticket Printing, Letterpress—					
*3405	Blue	"	20 "	do.	0 3 6	S. Cooke Pty. Ltd.
*3406	Blue, Pale	"	120 "	do.	0 3 6	
*3407	Brown	"	40 "	do.	0 3 6	
*3408	Buff	"	20 "	do.	0 3 6	R. Collie & Co. Pty. Ltd.
*3409	Cerise	"	1,000 "	do.	0 3 9	
*3410	Green	"	1,000 "	do.	0 3 6	S. Cooke Pty. Ltd.
*3411	Maroon	"	20 "	do.	0 3 6	
*3412	Orange	"	1,000 "	do.	0 3 6	
*3413	Red	"	200 "	do.	0 4 3	F. T. Wimble & Co. Ltd.
*3414	Violet	"	160 "	do.	0 3 6	S. Cooke Pty. Ltd.
*3415	Yellow	"	100 "	do.	0 3 6	
	Ink, Printing, for posters—					
†3416	Black	"	60 "	do.	0 0 9½	F. T. Wimble & Co. Ltd.
†3417	Blue, permanent	"	24 "	do.	0 1 9	
†3418	Green	"	72 "	do.	0 1 9	R. Collie & Co. Pty. Ltd.
†3419	Red	"	180 "	do.	0 1 10	F. T. Wimble & Co. Ltd.
†3420	Ink, Printing, Litho., Black, 1st quality	"	20 "	do.	0 4 0	R. Collie & Co. Pty. Ltd.
†3421	Glue, Rubberised or Flexible	"	300 "	do.	0 0 11½	
†3422	Paste, Dryers	"	60 "	do.	0 2 4	F. T. Wimble & Co. Ltd.
†3423	Solution, Lye, in 1-gallon jars	"	80 gals.	gallon	0 3 6	R. Collie & Co. Pty. Ltd.
†3424	" Roller Wash, in 4-gallon tins	"	200 "	do.	0 4 0	
*3425	Staples, Bostitch	"	400,000	1,000		Nil
†3426	Varnish, Letterpress, Lowering	Aust.	80 gals.	gallon	0 7 0	S. Cooke Pty. Ltd.
†3427	Varnish, Thin Litho.	"	20 "	do.	0 8 0	
3428	Wire, Stapling, 4 lb. to coil, 24-gauge	U.K.	40 coils	coil	0 2 4	R. Collie & Co. Pty. Ltd.
3429	" " " 18-gauge	"	40 "	do.	0 2 3	F. T. Wimble & Co. Ltd.
3430 to 3433	Nil.					

GUM AND INKS.

†3434	Gum, liquid, in 10-gallon kegs; empty kegs will be returned to the contractor at the Metropolitan Receiving Depot	Aust.	200 gals.	Imp. gallon	0 4 9	Spicers & Detmold Ltd.
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Item No.	Description	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
GUM AND INKS—continued.								
†3435	Office Paste (substitute for Clag), 10-oz. bottles	Aust.	400 bots.	bottle	0	0	6	Caldwell's Pty. Ltd.
†3436	Ink— Blue Black, in casks; empty casks will be returned to the contractor at the Metropolitan Receiving Depot	"	700 gals.	Imp. gallon	0	2	0	} Spicers & Detmold Ltd.
†3437	" in bottles, Imperial quarts ..	"	800 qrts.	Imp. quart	0	1	2½	
†3438	" Copying, Imperial pints ..	"	600 pints	Imp. pint	0	1	0	
†3439	Blue, 6-oz. bottles	"	200 bots.	bottle	0	0	3½	} Caldwell's Pty. Ltd.
†3440	Green, 12-oz. "	"	200 "	do.	0	0	7	
†3441	Red, 4-oz. "	"	300 "	do.	0	0	3½	
†3442	" 6-oz. "	"	250 "	do.	0	0	5	} Spicers & Detmold Ltd.
†3443	Violet, 12-oz. "	"	40 "	do.	0	0	8	
†3444	Metal Stamp, blue, 1-oz. bottles ..	"	40 "	do.				} Nil
†3445	" black	"	20 lb.	lb.				
†3446	Fountain Pen, 4 oz.	Aust.	500 bots.	bottle	0	0	4	Spicers & Detmold Ltd.
3447	} Nil							
to								
3449								

OFFICE REQUISITES.

*3450	Bands, Elastic, extra strong, ½-gross boxes— No. 5	Aust.	30 boxes	box	0	2	9	} Dunlop Rubber Co. of Aust. Ltd.	
*3451	No. 6	"	12 "	do.	0	3	2		
†3452	Bands, Elastic, extra large, grey ..	"	25 doz.	dozen	0	1	4½		
†3453	" thin, small	"	75 gross	gross	0	1	6½	} Spicers & Detmold Ltd.	
†3454	Binders, Paper—"Premier"— No. 642	U.K.	600 "	do.	0	1	9		
†3455	No. 643	"	100 "	do.	0	2	4	E. P. Briginshaw	
†3456	No. 0644	"	60 "	do.	0	2	10½	Sands & McDougall Pty. Ltd.	
†3457	No. 645	"	100 "	do.	0	3	10	} Spicers & Detmold Ltd.	
†3458	Bodkins or Piercers, as ordered ..	"	600 "	each	0	0	8½		
†3459	Bowls, Glass, 4" at top, with sponge	"	100 "	do.	0	1	7	} Spicers & Detmold Ltd.	
†3460	Clips, Bulldog, 2½"	"	2,000 "	dozen	0	1	10		
†3461	Crayons, Pencil, solid—"Cosmic"— Yellow	"	} 1,500 doz.	do.	0	1	8		} Sands & McDougall Pty. Ltd.
†3462	Red	"		do.	0	1	8		
†3463	Green	"		do.	0	1	8		
†3464	Black	"		do.	0	1	8		
†3465	Blue	"		do.	0	1	8		
†3466	Crayons, School, white, "Bellis" ..	"	300 boxes	box	0	1	3½	Robertson & Mullens Ltd.	
†3467	Erasers, Ink and Pencil, small ..	"	200 doz.	dozen	0	1	6	Barnet Glass Rubber Co. Ltd.	
†3468	" I.R., pink, pliable	"	250 lb.	lb.	0	3	4	Sands & McDougall Pty. Ltd.	
†3469	" green, small	U.S.A.	100 doz.	dozen	0	1	10½	Spicers & Detmold Ltd.	
*3470	Eyelets, in boxes of 1,000	U.K.	10 boxes	box	0	1	9	Sands & McDougall Pty. Ltd.	
	Fasteners, Paper, ordinary, in boxes of 1 gross—"Premier"—								
3471	" Micro "	"	5 "	do.	0	0	2½	} Spicers & Detmold Ltd.	
3472	S.00	"	5 "	do.	0	0	2½		
3473	S.0	"	50 "	do.	0	0	3½		
3474	S.1	"	150 "	do.	0	0	3¾		
3475	S.2	"	75 "	do.	0	0	4		
3476	S.3	"	300 "	do.	0	0	5		
3477	S.4	"	1,600 "	do.	0	0	5½		
3478	S.5	"	400 "	do.	0	0	6		
†3479	S.6	"	400 "	do.	0	0	7		} E. P. Briginshaw
3480	S.7	"	5 "	do.	0	0	11		
3481	S.8	"	50 "	do.	0	1	3		Sands & McDougall Pty. Ltd.
3482	S.9	"	5 "	do.	0	1	5		} E. P. Briginshaw
3483	S.10	"	40 "	do.	0	1	10		
3484	S.11	"	5 "	do.	0	2	0		
3485	S.12	"	100 "	do.	0	2	6		

Item No.	Description	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
OFFICE REQUISITES—continued.								
†3486	Files, Foolscap, apron	Aust.	40	each	0	1	9	Spicers & Detmold Ltd. Sands & McDougall Pty. Ltd.
*3437	" " " clip	"	200	do.	0	1	7	
†3488	Gum, Art	U.S.A.	150 lb.	dozen	0	4	1	Max Wurcker Ltd.
†3489	Gum, Strong Liquid—							Nil
	4-oz. bottles		500 bots.	bottle				
†3490	6-oz. bottles		200 "	do.				Robertson & Mullens Ltd.
†3491	Holders, Pen, small H. 101	U.K.	150 gross	gross	0	5	6	
*3492	Inkstands, Glass, round, 4"	"	600	each	0	1	8	Sands & McDougall Pty. Ltd.
†3493	Knives, Desk	"	200	do.	0	2	0	
†3494	Pads, Blotting, 23" x 18", with corners	Aust.	60	do.	0	3	3	Spicers & Detmold Ltd.
3495	Pencils, Slate, best round, in boxes of 100	U.S.A.	8 boxes	box	0	0	11½	
3496	Pens, Lithographic, on card of 12—							R. C. Paterson & Co. Pty. Ltd.
	No. 290	U.K.	12 cards	card	0	1	6	
3497	No. 659	"	12 "	do.	0	1	6	
†3498	Pens, Nibs, in boxes of 1 gross—							Robertson & Mullens Ltd.
	Hinks Well, No. 9, Steel	U.K.	2,400 boxes	box	0	1	0	
†3499	Brandeurs, "Times"	"	300 "	do.	0	3	9	E. P. Briginshaw
†3500	" " " "Herald"	"	100 "	do.	0	1	11	Robertson & Mullens Ltd.
†3501	" " " "Mail"	"	160 "	do.	0	3	9	E. P. Briginshaw
†3502	" " " "Scribbler"	"	150 "	do.	0	2	10	Robertson & Mullens Ltd.
†3503	3506. Nil.							
	Pens, Nibs, Gilt—							Spicers & Detmold Ltd.
†3507	Leonardts, 516 E.F.	"	300 "	do.	0	4	5	
†3508	" " " "526 F.	"	250 "	do.	0	4	5	
†3509	Easterbrooks, "Relief"	"	80 "	do.	0	3	8	
†3510	" " " "Probate"	"	72 "	do.	0	3	8	
†3511	3513. Nil.							
†3514	Pens, Manifold, 0505, Slip	"	50 "	do.	0	2	4½	Robertson & Mullens Ltd.
†3515	Pins, Best, Drawing, extra large, No. 42	"	500 doz.	dozen	0	1	0	R. C. Paterson & Co. Pty. Ltd.
†3516	" " " "medium, No. 4, in boxes of 1 gross	"	60 boxes	box	0	0	10	Spicers & Detmold Ltd.
†3517	" " " "small, "Effective No. 2," in boxes of 1 gross	"	100 "	do.	0	0	8	Sands & McDougall Pty. Ltd.
†3518	" " " "London, mixed, in packets of 1 oz.	"	2,000 lb.	lb.	0	2	5½	Spicers & Detmold Ltd.
†3519	Rulers, Flat, 15", brass edge	U.S.A.	600	each	0	0	6	
†3520	Seals, Red, in ½-gross boxes	U.K.	5 boxes	box	0	0	4	Sands & McDougall Pty. Ltd.
†3521	Sponges, for 4" bowls	E.Medit.	500	each	0	0	4½	Felton, Grimwade & Co. Pty. Ltd.
†3522	Wax, Sealing, Red "Rajah"	Aust.	200 lb.	lb.	0	1	11	Spicers & Detmold Ltd.
†3523	Wells, Water	U.K.	50	each	0	4	1	Sands & McDougall Ltd.
3524	} Nil.							
to								
3528								

ARTISTS' COLOURS, ETC.

Name of Manufacturer—

Items Nos. 3529 and 3537, Winsor and Newton.

Items Nos. 3530-3536, 3538-3545, 3547, Reeves.

Item No.	Description	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
3529	Colours— Blue, Antwerp	U.K.	10 cakes	each	0	0	8	E. L. Yencken & Co. Pty. Ltd.
3530	" " " "French Ultramarine	"	36 sticks	stick	*0	0	10½	
3531	" " " "Prussian	"	12 "	do.	*0	0	10½	Max Wurcker Ltd.
3532	Carmine	"	48 "	do.	*0	0	10½	
3533	Crimson Lake	"	12 "	do.	*0	0	10½	
3534	Cobalt	"	10 "	do.	*0	0	10½	
3535	Gamboge	"	36 "	do.	*0	0	10½	
3536	Green, Emerald	"	12 "	do.	*0	0	10½	
3537	" " " "Hooker's, No. 1	"	24 cakes	each	0	0	8	

* Less 2½ per cent. discount, 30 days.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
ARTISTS' COLOURS, ETC.—continued.								
Colours— <i>continued.</i>								
3538	Green, Hooker's, No. 2	U.K.	72 sticks	stick	*0	0	10 $\frac{3}{4}$	} Max Wurcker Ltd.
3539	Grey, "Payne's"	"	12 "	do.	*0	0	10 $\frac{3}{4}$	
3540	Indian Ink	"	32 oz.	oz.	*0	0	10 $\frac{3}{4}$	
3541	Neutral Tint	"	12 sticks	stick	*0	0	10 $\frac{3}{4}$	
3542	Sepia	"	12 "	do.	*0	0	10 $\frac{3}{4}$	
3543	Sienna, Burnt	"	36 "	do.	*0	0	10 $\frac{3}{4}$	
3544	Scarlet Lake	"	5 "	do.	*0	0	10 $\frac{3}{4}$	
3545	Vermilion	"	200 "	do.	*0	0	10 $\frac{3}{4}$	
3546	White, Chinese	"	24 bottles	dozen bottles	0	7	9	R. C. Paterson & Co. Pty. Ltd.
3547	Yellow Ochre	"	12 sticks	stick	*0	0	10 $\frac{3}{4}$	} Max Wurcker Ltd.
Colours, Liquid, Indian Ink, "Higgins"—								
3548	Black	U.S.A.	1,000 bottles	bottle	*0	1	0	} R. C. Paterson & Co. Pty. Ltd.
3549	Any other colours	"	300 "	do.	*0	1	0	
*3550	Palettes, in nests, 3 $\frac{1}{4}$ "	U.K.	6 nests	nest	0	3	3	
3551 to 3552	} Nil.							

STAMPS, ETC.

The measurement of all Stamps shall be the "Die" measurement, and the maximum length of any letter shall not exceed $\frac{1}{2}$ inch.

Faces, Rubber, for Stamps, lettered—									
*3553	" V.R., cancelled "	Aust.	800	each	0	0	2 $\frac{1}{2}$	} E. P. Briginshaw	
*3554	" Week-end "	"	180	do.	0	0	2 $\frac{1}{2}$		
*3555	Goods Clean Receipt	"	150	do.	0	0	8 $\frac{1}{2}$		
*3556	Goods more or less Receipt	"	80	do.	0	0	8 $\frac{1}{2}$		
Refacing Rubber Stamps, including supply of new pad, all types—									
3557	Oblong, up to 2", as ordered	"	1,000 lines	line	0	1	0	} E. L. Morton	
3558	" over 2"	"	3,000 <small>ins. of line</small>	<small>inch of line</small>	0	0	8		
3559	Circular or oval, and up to 1 $\frac{1}{2}$ ", as ordered	"	20	each	0	2	6		
3560	" and over 1 $\frac{1}{2}$ ", as ordered	"	300 ins.	$\frac{1}{2}$ inch	0	1	3		
Stamps, Dating—									
†3561	No. 1 $\frac{1}{2}$	U.K.	1,100	each	0	0	9 $\frac{1}{2}$	} Sands & McDougall Pty. Ltd.	
†3562	No. 2	"		do.	0	1	1		
Stamps, Rubber, oblong, wooden handle, with wooden back, all types—									
*3563	Up to 2", as ordered	Aust.	1,800 lines	line	0	1	0	} E. L. Morton	
*3564	Over 2", as ordered	"	3,000 <small>ins. of line</small>	<small>inch of line</small>	0	0	8		
Stamps, Rubber, circular or oval, as ordered, wooden handle with wooden backs, all types—									
†3565	Up to 1 $\frac{1}{2}$ ", as ordered	"	25	each	0	2	6		
†3566	Over 1 $\frac{1}{2}$ ", as ordered	"	25 ins.	$\frac{1}{2}$ inch	0	1	3		
Stamps, Rubber, self-inking—									
†3567	1 $\frac{3}{8}$ " x $\frac{3}{8}$ "	"	60	each	0	7	6	} E. P. Briginshaw	
†3568	1 $\frac{1}{8}$ " x $\frac{9}{16}$ "	"	50	do.	0	8	0		
Stamps, Rubber, self-inking, nickel, oblong or round, as ordered—									
†3569	Up to 2", as ordered	"	50	do.	..	..	..	} Nil
†3570	Over 2" to 3", as ordered	"	10	do.	..	..	..
†3571	Over 3" to 4", as ordered	"	5	do.	..	..	..
†3572	Stamps, Rubber, non-self-inking, nickel, dating, with rubber face	"	180	do.	..	..	..
Pads, Self-inking, any colour ordered (mostly purple)—									
†3573	No. 1	Aust.	2,000	do.	0	1	1	} Sands & McDougall Pty. Ltd.	
†3574	No. 2	"	100	do.	0	1	8		
3575 to 3576	} Nil								

* Less 2 $\frac{1}{2}$ per cent. discount, 30 days.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.	
					£	s.	d.		
PHOTOGRAPHIC MATERIALS.									
	Chemicals, Pure—								
3577	Acid, Acetic (Glacial)	Aust.	40 lb.	lb.	0	2	11	} Felton, Grimwade & Co. Pty. Ltd. Kodak (Aust.) Pty. Ltd. Felton, Grimwade & Co. Pty. Ltd.	
3578	" Citric	U.K.	5 "	do.	0	1	8		
3579	" Pyrogallic	U.S.A.	12 "	do.	0	10	0		
3580	Alcohol, Absolute	Aust.	28 "	do.	0	9	9		
3581	Amidol (Kodak)	France	60 "	do.	0	10	6	} Kodak (Aust.) Pty. Ltd.	
3582	Ammonium Chloride	U.K.	5 "	do.	0	0	8		
3583	" Iodide	"	10 "	do.	1	6	0	} Felton, Grimwade & Co. Pty. Ltd.	
3584	Amylum, Pulv.	Aust.	28 "	do.	0	0	6		
3585	Cadmium, Bromide	U.K.	5 "	do.	0	8	6		
3586	" Iodide	"	5 "	do.	1	5	0		
3587	Chrome, Alum	"	60 "	do.	0	0	6½		
3588	Collodion, 2 per cent., enamel, in drums of 28 lb.	"	2 drums	drum	Nil	
3589	Copper, Sulphate of	U.K.	14 lb.	lb.	0	0	4½	} Felton, Grimwade & Co. Pty. Ltd.	
3590	Dextrine, White	Holland	600 "	do.	0	0	4½		
3591	Dry Mounting Tissue, 24 x 20	Aust.	2 reams	ream	6	0	0	} Kodak (Aust.) Pty. Ltd.	
3592	" " " 8½ x 6½, in boxes of 1 gross	"	10 gross	gross	0	5	5		
3593	Ether, Sulphuric	"	10 lb.	lb.	0	2	1	} Felton, Grimwade & Co. Pty. Ltd.	
3594	Hydroquinone	France	12 "	do.	0	5	0		
3595	Iodine (Resublimed)	U.K.	3 "	do.	1	3	6		
3596	Iron, Sulphate of, Pure	Aust.	140 "	do.	0	0	3½		
3597	Mercury, Bichloride	U.K.	7 "	do.	0	5	1		
3598	Metol (Kodak)	France	12 "	do.	0	14	6	} Kodak (Aust.) Pty. Ltd.	
3599	Potassium, Bichromate	U.K.	14 "	do.	0	0	8		
3600	" Bromide	Germany	30 "	do.	0	2	1	} Felton, Grimwade & Co. Pty. Ltd.	
3601	" Ferricyanide	U.K.	50 "	do.	0	2	2		
3602	" Iodide	"	14 "	do.	0	18	11		
3603	" Metabisulphite	"	24 "	do.	0	1	4½		
3604	" Permanganate	Germany	5 "	do.	0	0	9		
3605	Powder, Kotinic, Flash	U.K.	10 "	do.	1	6	3	} Kodak (Aust.) Pty. Ltd.	
3606	Soda, Hyposulphite	Aust.	16 cwt.	cwt.	0	19	6		
3607	" Sulphide	U.K.	5 lb.	lb.	0	1	9	} Felton, Grimwade & Co. Pty. Ltd.	
3608	Soda, Sulphite (Anhydrous)	Aust.	600 "	do.	0	0	6		
3609	" Carb.	U.K.	56 "	do.	0	0	3½	} H. B. Selby & Co.	
3610	Oil of Cloves	"	4 "	do.	0	8	9		
	Measures, Glass—							} Felton, Grimwade & Co. Pty. Ltd.	
3611	2 oz.	"	5	each	0	0	9		
3612	10 oz.	"	5	do.	0	1	4		
3613	20 oz.	"	5	do.	0	2	0		
†3614	Mounts, Brown, 8 sheet, 31" x 25" Board, Rough Edge, Grade CX	Aust.	1,000	100	3	5	0	} Kodak (Aust.) Pty. Ltd.	
	Paper, Bromide, any surface ordered—								
3615	25' long x 25" wide	"	60 rolls	roll	1	1	0		
3616	25' long x 30" wide	"	12 "	do.	1	6	3		
3617	6½" x 4½"	"	180 gross	gross	0	12	7		
3618	8½" x 6½"	"	150 "	do.	1	2	6		
3619	10" x 8"	"	12 "	do.	1	12	7		
3620	12½" x 10½"	"	30 "	do.	2	13	3		
3621	15½" x 12½"	"	40 "	do.	3	18	9		
3622	18" x 16"	"	6 "	do.	5	18	6		
3623	20" x 16"	"	1 "	do.	6	10	6		
3624	25" x 14½"	"	40 "	do.	7	7	9		
3625	28" x 16"	"	5 "	do.	9	3	0		
	Paper, Bromide—								} Nil
3626	Wellington, cream crayon, 15½" x 12½"	"	3 "	do.	..	..	..
3627	Old Master, Portrait, 23" x 17"	Aust.	5 "	do.	10	14	6		
3628	" " 15½" x 12½"	"	5 "	do.	5	5	9		
3629	Plates, Imperial, Eclipse, backed, 6½ x 4½	U.K.	30 "	do.	4	4	0		
	Plates, Photographic, Dry, Orthochromatic, backed, "Austral"—							} Kodak (Aust.) Pty. Ltd.	
3630	¼	Aust.	5 dozen	dozen	0	2	1		
3631	½	"	24 "	do.	0	4	10		
3632	¾	"	40 "	do.	0	8	7		

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.	
					£ s. d.		
PHOTOGRAPHIC MATERIALS—continued.							
3633	Plates, Photo., Mechanical, "Austral"— 8½" x 6½"	Aust.	40 dozen plates	dozen	0 7 10	Kodak (Aust.) Pty. Ltd.	
3634	12" x 10"	"	24 "	do.	0 19 6		
3635	15" x 12"	"	24 "	do.	1 14 6		
3636	Plates, Lantern, 3½" x 3¼", "Austral"	"	8 gross	gross	1 2 6		
3637	" Wratten, panchromatic, 6½" x 4¾"	U.S.A.	1 "	do.	4 1 0		
3638	" " " " 8½" x 6½"	"	1 "	do.	7 13 0		
Spools, Film, Photographic Roll, 6 exposures—							
3639	3½" x 4¼"	Aust.	24 rolls	roll	0 1 5		
3640	2¼" x 3¼"	"	72 "	do.	0 0 10		
3641	3¼" x 5¼"	"	250 "	do.	0 1 8		
3642	Film, Cut, Kodak Super Speed, 6½" x 4¾"	"	2 gross	gross	2 16 3		
3643	} Nil						
3644							

DRYSALTERIES, CHEMICALS, ETC.

(See Appendix "I" for Specifications.)

The rates tendered for Calcium Chloride, Calcium Carbide, Copper Sulphate, and Caustic Soda, if to be imported, shall include wharfage, but in the event of sufficient time being allowed for importation into the State of Victoria after the placing of the order, the Bill of Lading should be made out in favour of the Victorian Railways Commissioners—Wharfage, will be cleared by the Chief Storekeeper, and the amount involved deducted from the Contractor's invoice.

As regards Item No. 3692, the material to be supplied shall be screened through two sieves, the first with holes ¼ inch in diameter and the second with holes ⅜ inch in diameter but not necessarily sifted through punched copper plates.

Delivery to be arranged and is dependent upon shipping facilities being available from Port Kembla.

In the event of material being urgently required material will be despatched by rail and the difference will be to the Department's account.

The rate is based on current shipping freights and insurance rates, and any variation shall be to the Department's account.

The following charges will be made for bottles and jars, and such amounts will be credited on return in good order and condition to the Contractor at the Metropolitan Receiving Depot:—

Items Nos. 3645, 3646, 3649, 3661, 3679, and 3680, 2s.

Item No. 3650, 2s. 6d.

Items Nos. 3651, 3652, and 3653 (jars), 7s.

Item No. 3715A:—140-lb. drums, 20s. each; and 7/9 cwt. drums, £10 each.

As regards Items Nos. 3648, 3655 to 3659, 3664 and 3673, containers will be charged for and the amount charged shall be credited to the Corporation on the return of the containers in good order and condition to the Contractor at the Metropolitan Receiving Depot.

Any crate supplied by Felton, Grimwade & Co. Pty. Ltd. containing Acids will be charged at 7s. each and will be credited on return in good order and condition.

As regards Items Nos. 3665 to 3672, 7s. each for jars and 7s. for crates will be charged and credited if returned in good order and condition to Contractor's works free of cost within 3 months.

The Corporation agrees that these, when delivered to the Contractor's carter, shall be signed for subject to examination, and the Corporation will only be entitled to credit for such jars and crates as are found to be in good order and condition on receipt at Contractor's works.

Each delivery of empties should be properly reviewed, in order that due credit will be obtained and steps should be taken to cancel any debits raised for jars found to be broken. It should be noted that Cuming, Smith and Co. Pty. Ltd. refused to sign a contract.

Name of Manufacturer—

Items 3684 and 3715, United Alkali Co. Ltd.

3645	Acetone, chemically pure, in 1-lb. bottles	Aust.	6 lb.	lb.	0 4 6	} H. B. Selby & Co.
3646	Acetic, chemically pure, glacial	"	30 "	do.	0 4 0	
3647	Boracic	U.K.	160 "	do.	0 0 6½	
3648	Gallic	"	120 "	do.	0 3 8	
3649	Hydrochloric, chemically pure, in Winchester quarts	Aust.	500 "	do.	0 1 6	} Felton, Grimwade & Co. Pty. Ltd.
Muriatic, Hydrochloric, or Spirits of Salts, as ordered—						
3650	In Winchester quarts	"	20 cwt.	cwt.	1 6 0	} W. & G. Dean Pty. Ltd.
3651	In lots of 6 jars or less	"	} 250 "	do.	1 5 6	
3652	In lots of 7 to 18 jars	"		do.	1 5 6	
3653	In lots over 18 jars	"		do.	1 3 4	
3654	Molybdic	U.K.		6 lb.	lb.	0 8 11	} Felton, Grimwade & Co. Pty. Ltd.

Item No.	Description	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.		
					£	s.	d.			
DRYSALTERIES, CHEMICALS, ETC.—continued.										
Acid—continued.										
Nitric—										
3655	In Winchester quarts	Aust.	600 lb.	lb.	0	1	0	Felton, Grimwade & Co. Pty. Ltd.		
3656	In lots of 6 jars or less	"	1,400 "	do.	0	0	9			
3657	In lots of 7 to 18 jars	"		do.	0	0	8			
3658	In lots over 18 jars	"		do.	0	0	7½			
3659	Chemically pure	"		250 "	do.	0	1		6	
3660	Oxalic	Norway	250 "	do.	0	0	6			
Sulphuric—										
3661	In Winchester quarts	Aust.	800 "	do.	0	0	4	Hardie Trading Pty. Ltd.		
3662	In lots of 6 jars or less	"	3,000 "	do.	0	0	1½			
3663	In lots of 7 to 18 jars	"		do.	0	0	1½			
3664	In lots over 18 jars	"		ton	10	0	0			
Sulphuric, in 3 gallon jars for Storage Batteries, delivered ex Contractor's Works, 12s. per ton for the net weight delivered to be added for cartage to the Shelter Shed, North Melbourne—										
S.G. 1·100 to 1·215—										
3665	In lots 6 to 18 jars	Aust.	100 tons	lb.	0	0	2	Cuming, Smith & Co. Pty. Ltd.		
3666	In lots 19 to 35 jars	"		do.	0	0	1½			
3667	In lots 36 to 51 jars	"		ton	15	0	0			
3668	In lots 52 jars and over	"		do.	12	10	0			
S.G. 1·216 to 1·300—										
3669	In lots 6 to 18 jars	"		lb.	0	0	2½			
3670	In lot 19 to 35 jars	"		do.	0	0	2			
3671	In lots 36 to 51 jars	"		ton	16	0	0			
3672	In lots 52 jars and over	"		do.	13	0	0			
3673	Sulphuric, chemically pure, in ½-gallon stoppered bottles each containing 9 lb.	"		400 lb.	lb.	0	1		6	
3674	Tartaric	U.K.	5 "	do.	0	1	5	Felton, Grimwade & Co. Co. Pty. Ltd.		
3675	White, in bottles supplied by the Corporation	"	5 "	do.	..	..	..
3676	Alcohol, 90 per cent.	Aust.	8 gals.	gallon	2	10	0	Felton, Grimwade & Co. Pty. Ltd.		
3677	Alum, Lump, in casks, approx. 2½ cwt. ..	U.K.	3,000 lb.	lb.	0	0	1½	N. G. Clark		
3678	" Powdered, in casks, approx. 2½ cwt. ..	"	5,000 "	do.	0	0	1½			
Ammonia, Liquid, '880 sp.—										
3679	In Winchester quarts	Aust.	600 "	do.	0	0	8½	H. B. Selby & Co.		
3680	Chemically pure, in Winchester quarts ..	"	11 quarts	Win. quart	0	0	9			
3681	Ammon. Hydro. Sulph.	U.K.	10 lb.	lb.	0	1	9	Felton, Grimwade & Co. Pty. Ltd.		
3682	Borax, Lump	"	60 cwt.	cwt.	1	9	0	W. & G. Dean Pty. Ltd.		
3683	" Powdered	"	3,000 lb.	lb.	0	0	3½			
3684	Calcium Chloride, in about 5-cwt. drums ..	"	20 tons	ton	8	16	0	Hardie Trading Pty. Ltd.		
3685	" Carbide, Lump, in about 2-cwt. drums, 50/80	"	130 "	do.	..	..	..
3686	" " Granulated, in drums, 4/7	"	30 "	do.	..	..	..	Nil
3687	" " " " 7/15	"	10 "	do.	..	..	..
3688	Candles, Sulphur	Aust.	8 doz.	dozen	0	3	9	Felton, Grimwade & Co. Pty. Ltd.		
3689	Camphor	Japan	10 lb.	lb.	0	4	0			
3690	Carbon, Bi-Sulph.	Aust.	3,500 gals.	gallon of 12 lb.	0	7	11	H. York & Co. Pty.		
Nil										
3691	Chloroform, in 1-lb. bottles	U.K.	10 lb.	lb.	0	3	6	Hardie Trading Pty. Ltd.		
3692	Copper, Sulphate of (Telegraphic Crystals) "E.S.A.," in cases of 100 lb.	Aust.	50 tons	ton	33	2	6			
Electrolytic Refining & Smelting Co. of Aust. Ltd.										
3693	Ferrous Sulphide	U.K.	5 lb.	lb.	0	0	4	H. B. Selby & Co.		
3694	Formalin, Liquid, Formaldehyde, in 6-gal. containers	"	1,200 "	do.	0	0	9½			
3695	Gum, Arabic	W. Indies	24 "	do.	0	0	7	W. & G. Dean Pty. Ltd.		
3696	Lime, Chloride of, in 7-lb. or 14-lb. tins, as ordered	"	28 "	do.	..	..	..
3697	Oil, Carbolic	Aust.	10 "	do.	0	2	0	Felton, Grimwade & Co. Pty. Ltd.		
3698	Murifate of Ammonia (Sal Ammoniac), Lump	U.K.	9 cwt.	cwt.	3	13	0	W. & G. Dean Pty. Ltd.		

Item No.	Description	Country of Manufacture.	Estimated Requirements.	Rate per--	Rate.	Name of Contractor.	
					£ s. d.		
DRYSALTERIES, CHEMICALS, ETC.—continued.							
†3699	Muriate of Ammonia (Votoids), $\frac{3}{4}$ " diameter	U.K.	80 cwt.	cwt.	4 4 0	Felton, Grimwade & Co. Pty. Ltd.	
3700	Powder, Carbolic, 10 per cent.	Aust.	16 "	do.	1 5 0		
3701	" Talcum	Italy	300 lb.	lb.	0 0 3 $\frac{1}{2}$	H. B. Selby & Co.	
3702	Potash, American, Lump	U.S.A.	1 cwt.	cwt.	5 12 0		
3703	" Prussiate of	U.K.	2,500 lb.	lb.	0 1 0	Felton, Grimwade & Co. Pty. Ltd.	
3704	Potass Chloras Crystals, P.B.	Norway	5 "	do.	0 0 7		
3705	Potassa Sulphurata	U.K.	5 "	do.	0 0 10	Felton, Grimwade & Co. Pty. Ltd.	
3706	Potassium, Hydrate, pure, in 2-lb. bottles	"	10 "	do.	0 2 2		
3707	" Sulphate, pure	"	10 "	do.	0 0 9	H. B. Selby & Co.	
3708	Quicksilver	Spain	20 "	do.	0 5 6		
3709	Salt, Common White	Aust.	100 cwt.	do.	0 8 6	H. B. Selby & Co.	
3710	" " " fine, for Case-hardening	"	"	do.	0 8 6		
3711	Shellac, White	"	"	lb.	0 2 9	Hardie Trading Pty. Ltd.	
3711A	" Orange	India	1,800 lb.	do.	0 2 4		
3711B	" Brown	"	"	do.	0 2 4	H. B. Selby & Co.	
3712	" Button, for French Polishing	"	900 "	do.	0 2 9		
3713	Silver, Nitrate of, Crystal	Aust.	56 lb.	lb.	1 17 6	Nil	
3714	Silica, precipitated	"	2 "	do.	..		
†3715	Soda, Caustic, Lump, 70 per cent., in drums	U.K.	40 tons	ton	22 15 0	Hardie Trading Pty. Ltd.	
†3715A	" " Liquid, 32 per cent. Na ₂ O, in drums 140 lb., or 7-9 cwt.	Aust.	40 "	do.	9 2 6	Mt. Lyell Mining & Railway Co. Ltd.	
†3716	" " Powdered, 1-lb. tins, 98/99 % NaOH	"	144 tins	tin	0 0 6 $\frac{11}{12}$	Mt. Lyell Mining & Railway Co. Ltd.	
†3717	" " Pure	U.K.	10 lb.	lb.	0 2 4	Felton, Grimwade & Co. Pty. Ltd.	
3718	Sodium, Hydrate, pure	"	6 "	do.	..	Nil	
3719	" Bi-Carbonate, chemically pure	U.K.	6,000 "	do.	0 0 1 $\frac{1}{4}$	Felton, Grimwade & Co. Pty. Ltd.	
3720	Sulphur, Crude	Aust.	28 "	do.	0 0 2	H. B. Selby & Co.	
3721	" Flowers of	Sicily	300 "	do.	0 0 1.92	Hardie Trading Pty. Ltd.	
3722	Tubes, Glass, charged with 65 per cent. Sulphuric Acid, with blue bead, for Conical Fire Extinguishers, to Blue Print 1760/25	Aust.	3,000	each	0 1 3	Felton, Grimwade & Co. Pty. Ltd.	
3723	Tubes, Glass, charged with 90 per cent. Sulphuric Acid, with red bead, for Cylindrical Fire Extinguishers, to Blue Print 1760/25						
3724	Turpentine, Venice	"	50 lb.	lb.	0 1 3	Nil. (See Item No. 2296.)	
3725	Vaseline, Petroleum Jelly, in casks	"	3,000 "	cwt.	..		
3726	to Nil	"	"	"	"		"
3728							

AMBULANCE MATERIAL.

As regards Item No. 3781.—The Peroxide of Hydrogen will be delivered in 1 gallon bottles and charged for at 3s. 6d. This amount will be credited on return.

each.						
3729	Acid, Carbolic, Crystals (pure Welsh)	U.K.	3 lb.	lb.	0 1 9	Felton, Grimwade & Co. Pty. Ltd.
3730	" Picric	"	10 "	do.	0 3 6	
3731	Ammonia, Liquid, 880, in bulk	"	5 gals.	gallon	..	Nil
3732	" Vaporole (12 in tin)	"	12 doz. tins	dozen	..	
3733	Antiphlogistine, Plastine, Hospital size (5-lb. tins)	Aust.	150 tins	tin	0 5 9	Felton, Grimwade & Co. Pty. Ltd.
3734	Arnica (in bulk), Tincture	"	5 lb.	lb.	0 4 3	
3735	Aspirin, 5-gr. tablets (500 in bottle)	"	20 bots.	bottle	0 2 10	Felton, Grimwade & Co. Pty. Ltd.
3736	Balsam, Friar's, with Methylated Spirits, in bulk	"	10 gals.	gallon	0 19 6	
*3737	Bandages, Calico, Roller—	U.K.	1,200 doz.	dozen	0 3 0	H. Francis & Co.
*3738	3 in. x 6 yds. long					
*3739	2 in. x 6 yds. long					
*3740	Bandages, Open Wove, Roller—	"	600 "	do.	0 2 0	Felton, Grimwade & Co. Pty. Ltd.
*3741	3 in. x 6 yds. long					
*3742	2 in. x 6 yds. long					
*3743	1 in. x 6 yds. long					
*3743	Bandages, Calico, Triangular, in packets of 6 each	Aust.	1,000 pkts.	packet	0 2 4	Hicks, Atkinson & Sons Pty. Ltd.
3744	Basin, Enamelled, Kidney, 9 in.	U.K.	30	each	0 2 0	The Surgical Manufacturing Co. Ltd.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
AMBULANCE MATERIAL—continued.								
3745	Boracic Dusters— 1-oz. sprinklers	..	6 gross	gross	..			} Nil
3746	2-oz. sprinklers	..	1 "	do.	..			
Bottles—								
*3747	2 drs.	Japan	4 "	do.	0 6 0			} Felton, Grimwade & Co. Pty. Ltd.
*3748	1 oz. (square)	"	20 "	do.	0 11 0			
*3749	2 oz. (square)	Aust.	6 "	do.	0 16 0			
*3750	4 oz. (flat)	"	8 "	do.	1 2 6			
*3751	8 oz. (flat)	"	2 "	do.	1 7 0			
†3752	Brushes, Camel Hair, Goose	U.K.	15 "	do.	1 4 0			The Surgical Manufac- turing Co. Ltd.
3753	Chloroform, 2-oz. bottles, hermetically sealed	..	10 bots.	bottle	..			Nil
3754	Collodium (bulk)	Aust.	10 lb.	lb.	0 3 1			Felton, Grimwade & Co. Pty. Ltd.
3755	Capping, Brown	..	5 "	do.	..			} Nil
3756	" White	..	5 "	do.	..			
3757	Diarrhoea Mixture	Aust.	25 lb.	lb.	0 3 6			Felton, Grimwade & Co. Pty. Ltd.
†3758	Eye-shades (celluloid)	Germany	4 doz.	dozen	0 2 6			The Surgical Manufg. Co. Ltd.
3759	Forceps, Artery	U.K.	30 pairs	pair	0 3 3			} Felton, Grimwade & Co. Pty. Ltd.
3760	" Splinter, 5 in.	"	30 "	do.	0 1 1			
3761	Gauze, Plain (Butter Cloth)	"	2,000 yds.	yard	0 0 2½			} Nil
3762	" 1 oz., compressed, in packets	..	10 gross	gross	..			
3763	Ginger, Tincture of (bulk), B.P.	Aust.	80 lb.	lb.	0 7 0			} Felton, Grimwade & Co. Pty. Ltd.
3764	Glycerine	"	20 "	do.	0 2 4			
3765	Iodine Crystals	U.K.	10 "	do.	1 3 6			} Hicks, Atkinson & Sons Pty. Ltd.
3766	Jaconette	"	30 l. yds.	lin. yd.	0 2 4			
3767	Jars, Screw-top— 1 lb., square	Aust.	5 gross	dozen	0 2 9			Felton, Grimwade & Co. Pty. Ltd.
3768	Mason's	..	1 "	do.	..			Nil
3769	Lime, Chlorinated	..	30 lb.	lb.	..			} Nil
Lint, Surgeons'—								
3770	1-oz. packets, plain	U.K.	3 gross	gross	1 9 6			} Hicks, Atkinson & Sons Pty. Ltd.
3771	1-lb. packets, plain	"	300 lb.	lb.	0 2 3			
3772	1-oz. packets, borated	"	1 gross	gross	0 17 6			} Felton, Grimwade & Co. Pty. Ltd.
3773	1-lb. packets, borated	"	100 lb.	lb.	0 1 7			
3774	Lysol, or any suitable alternative	Aust.	50 "	do.	0 1 3			} Felton, Grimwade & Co. Pty. Ltd.
3775	Magnesia Sulphate	"	25 "	do.	0 0 2			
3776	Mugs, Enamelled, ¼ pint	..	4 doz.	dozen	..			Nil
3777	Needles, Surgeons', Assorted (6 in packet), No. 9, half curved	U.K.	100 pkts.	packet	0 0 9			The Surgical Manufg. Co. Ltd.
3778	Oil, Olive (in 1-gallon tins)	France	28 lb.	lb.	0 1 10			} Felton, Grimwade & Co. Pty. Ltd.
3779	" Carbolic (bulk)	Aust.	20 "	do.	0 2 0			
3780	" Castor (pure), bulk	France	5 "	do.	0 1 8			} Felton, Grimwade & Co. Pty. Ltd.
3781	Peroxide of Hydrogen (bulk), in 1 gal. bottles	Aust.	100 "	gallon	0 6 0			
Plaster, Adhesive, Zinc Oxide—								
3782	1 in. x 1 yd.	U.K.	12 gross	dozen	0 2 9			} Felton, Grimwade & Co. Pty. Ltd.
3783	1 in. x 10 yds.	"	3 "	do.	0 18 9			
3784	2 in. x 10 yds.	"	1 "	do.	1 13 0			} Hicks, Atkinson & Sons Pty. Ltd.
3785	Potash, Permanganate (bulk)	Germany	15 lb.	lb.	0 0 10			
3786	Plaster, Isinglass	U.K.	5 yards	yard	0 4 6			} Hicks, Atkinson & Sons Pty. Ltd.
3787	Pins, Safety (assorted cards)	"	50 gross	gross	0 0 9			
3788	Sal Volatile (in bulk)	Aust.	100 lb.	lb.	0 5 3			Felton, Grimwade & Co. Pty. Ltd.
†3789	Scalpels	U.K.	10	each	0 3 0			The Surgical Manufg. Co. Ltd.
†3790	Scissors, Surgeons', 5 in.	Germany	200 pairs	pair	0 1 8			Felton, Grimwade & Co. Pty. Ltd.
†3791	Silk Cards, Assorted	U.K.	12 dozen cards	dozen cards	1 10 0			The Surgical Manufg. Co. Ltd.
3792	Silk, Oil, 45 in. wide	Aust.	25 l. yds.	lin. yd.	0 4 9			} Felton, Grimwade & Co. Pty. Ltd.
3793	Soap, Carbolic, bars	"	50 lb.	lb.	0 1 4			
3794	Snake-bite Antidote, Lauder Brunton's (metal tubes)	U.K.	100 tubes	tube	0 1 3			
3795	Stalls, Finger, Leather	Aust.	5 gross	gross	2 11 0			

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
AMBULANCE MATERIAL—continued.								
	Stoppers (red rubber), Soft—							
*3796	No. 2	Aust.	5 gross	gross	0	6	0	} Dunlop Rubber Co. of Aust. Ltd.
*3797	No. 3	"	25 "	do.	0	6	9	
*3798	No. 4	"	10 "	do.	0	7	7½	
*3799	No. 5	"	10 "	do.	0	8	1	
*3800	No. 6	"	5 "	do.	0	9	6	
3801	Tablets, Mercurio Potassium Iodide, 1·75 gr., 100's	"	50 bots.	bottle	0	1	6	Felton, Grimwade & Co. Pty. Ltd.
	Wool, Surgeons', plain—							
†3802	1-oz. cartons	U.K.	10 gross	gross	1	0	0	H. Francis & Co.
3803	2-oz. cartons	"	5 "	do.	1	12	6	} Hicks, Atkinson & Sons Pty. Ltd.
3804	4-oz. cartons	"	5 "	do.	2	17	9	
†3805	1-lb. packets	"	1,000 lb.	lb.	0	1	3	The Surgical Manufg. Co. Ltd.
3806	Wool, 1-oz., compressed	"	10 gross	gross	1	3	6	Hicks, Atkinson & Sons Pty. Ltd.
3807 to 3809	Nil							

ACETYLENE, CARBONIC ACID GAS, AND OXYGEN.

ACETYLENE.

The service comprises the supply and delivery as ordered in the manner herein specified in steel cylinders, where directed at Flinders-street Station or elsewhere, of purified compressed Acetylene dissolved in acetone.

The Acetylene must be pure and dry.

Acetone must be genuine, free from all impurities, and when fully charged the quantity of acetone must be such that it does not completely fill the voids of the porous substance in the cylinder at a temperature of 150° Fahrenheit.

The Acetylene will be submitted to the following test. Cylinders for testing may be selected from each delivery :—

When the Acetylene is played for 40 seconds on a piece of Blotting-paper saturated with a 5 per cent. solution of silver nitrate in water, the Blotting-paper shall not discolour.

The rate inserted for Acetylene supplied in the Departmental cylinders shall include the maintenance of the cylinder valves, also reacetoneing of cylinders as required. The bulk of the Acetylene shall be supplied in cylinders containing six (6) kilogrammes of Acetylene, but a small proportion of small cylinders may be used.

The weight of the cylinder, valve, and acetone must be shown separately on each cylinder.

The empty cylinders will be returned to Contractor at Spencer-street or Flinders-street Station.

CARBONIC ACID GAS.

The empty Carbonic Acid Gas cylinders will be returned to the Contractor at the Ice Works, Spencer-street Station Yard, or Metropolitan Receiving Depot.

OXYGEN.

The Oxygen shall consist of gas compressed in cylinders to a pressure of not less than 120 atmospheres.

The Compressed Oxygen Gas shall be supplied in cylinders containing six (6), twenty (20), forty (40), one hundred (100), or two hundred (200) cubic feet as ordered.

Oxygen taken from such cylinders comprised in each and every delivery, as the Chief Storekeeper may select, shall, when tested, fulfil the foregoing requirements.

Samples of Oxygen taken from such cylinders comprised in each and every delivery, as the Chief Storekeeper may select, shall, when subjected to analysis, contain not less than 98 per centum of oxygen.

The cylinders supplied by the Australian Oxygen and Industrial Gases Pty. Ltd. will be loaned free of charge, but in the event of any cylinders being retained for a period in excess of 6 months from the time of leaving the Contractor's works a deposit shall be made by the Department, but will be refunded by the Contractor when the cylinders are returned in good order and condition. Further, in the event of any damage to cylinders, valves or fittings, whilst in the possession of the Department, the expense of repairs or replacements will be to the Department's account.

The cylinders supplied by the Australian Oxygen and Industrial Gases Pty. Ltd. will be delivered and empties collected free of charge within the City area including North Melbourne and Jolimont Workshops.

As regards Items Nos. 3814 and 3815, it will be noted that two tenders have been accepted for the supply of Oxygen, but as the tender of the Australian Oxygen and Industrial Gases Pty. Ltd. is the lower, this company must receive at least 60 per cent. of the Department's business.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
ACETYLENE, CARBONIC ACID GAS, AND OXYGEN— <i>continued.</i>						
3810	Acetylene, compressed, purified— In Departmental cylinders	Aust.	36,000 lb.	lb.	0 2 6	Allen-Liversidge (Aust.) Ltd.
3811	In cylinders supplied by the Contractor ..	"		do.	0 2 7½	
3812	Acetylene, in cylinders of 100 c. ft. capacity, suitable for Departmental flares in use at Overhead Depot	"	6,000 "	do.	0 2 7½	Australian Oxygen & Industrial Gases Pty. Ltd.
3813	Gas, Carbonic Acid, in steel cylinders, con- taining 56 lb. of gas each	"	30,000 "	do.	0 0 3½	
3814	Oxygen, not less than 99 per cent. ..	"	4,000,000 c.ft.	1,000	1 14 10	Oxygen Service & Manufg. Co. Pty. Ltd.
3815	Oxygen, not less than 98 per cent. ..	"		c. ft.	100		0 4 9
3816 to 3819	Nil.					

CORKS AND BOTTLING WAX.

As regards Item No. 3820, orders to be placed in lots of 28 lb. Seven blocks = 1 packet of 14 lb. approximately.

†3820	Wax, Bottling, any colours ordered in blocks, Corks—	Aust.	100 lb.	cwt.	1 19 0	Harrison, San Miguel Pty. Ltd.
*3821	Axle-box, large quart and extra tapers ..	Spain	3,000 gross	gross	0 1 9		R. Montgomery & Co. Pty. Ltd.
*3822	" small	Aust.		do.	0 1 3	
*3823	Bungs, 1½"	"	100 "	do.	0 7 6	Harrison, San Miguel Pty. Ltd.
*3824	" 1½" Tap Ends	"		do.	0 4 0	
*3825	" 1½" "	"	26 gross	do.	0 3 9	Harrison, San Miguel Pty. Ltd.
*3826	Phial 4A. Vial Corks	Spain		do.	0 1 1	
*3827	Roof Lamp, 1½" Tap Ends	Aust.	12 "	do.	0 3 0	Harrison, San Miguel Pty. Ltd.
*3828	Bungs, Wooden, 1½"	"	5 "	do.	0 6 0	R. Montgomery & Co. Pty. Ltd.
*3828A	" " 1½"	"		do.	0 6 3	
*3828B	" " 1½"	"		do.	0 6 9	
*3829	" " 1½"	"		do.	0 7 6	
*3829A	" " 2½"	"		do.	0 7 9	
*3829B	" " 2½"	"		do.	0 8 0	
*3829C	" " 2½"	"	do.	0 9 3		
*3830	Spiles, Wooden	"	5 "	do.	0 2 3	R. Montgomery & Co. Pty. Ltd.
*3831	Tits, large	"	12 "	do.	0 5 6	
*3832	" medium	"		do.	0 4 9	
*3833	" small	"		do.	0 4 3	
3834 to 3835	Nil.					

EXPLOSIVES AND AMMUNITION. (ONE YEAR ONLY.)

As regards Item No. 3836, a repacking charge of 3s. shall be made if ordered in less than case lots of 5,000.

As regards Item No. 3837, if ordered in less than case lots of 300 coils, the rate shall be 9d. per coil.

As regards Items Nos. 3836, 3838 and 3839, the rates cover delivery f.o.r. Laverton, whilst Item 3837 is for delivery f.o.r. Melbourne.

If delivery be required in the suburbs, the additional cost of delivery shall be as follows:—

Item No. 3836	Caps	In parcels of 100 to 400 ..	2s. 6d.
		In parcels 500 and over ..	3s. 6d.
Item No. 3838	Gelignite	2s. 9d. per case.	
Item No. 3839	Powder	½d. per lb.	

*In the event of there being any reduction in the market price of the Explosives mentioned below during the currency of the contract the rates quoted shall be correspondingly reduced.

Name of Manufacturer—
Item No. 3836, Nobels; London.
Items Nos. 3837-3838, Nobels; Australia.
Item No. 3839, Curtiss and Harvey.

EXPLOSIVES.

3836	Caps, No. 6, in boxes of 100, delivered f.o.r. Laverton	U.K.	250 boxes	box	*0 5 6	McMicking & Co.
3837	Fuse, Single Tape, in coils of 8 yards	Aust.	5,000 coils	coil	*0 0 8	Dalgety & Co. Ltd.
3838	Gelignite, delivered f.o.r. Laverton: "50%"	"	400 cases	case of 50 lb. net	*2 15 6	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
EXPLOSIVES AND AMMUNITION (One Year Only)—continued.								
EXPLOSIVES—continued.								
3839	Powder, Blasting, nit. of potash, in 25-lb. kegs, delivered f.o.r., Laverton	U.K.	28,000 lb.	100 lb.	*4	3	4	McMicking & Co.
AMMUNITION.								
	Cartridges, Smokeless, .32 calibre, in boxes of 25 or 50—							
†3840	Auto. Pistol .. .. .	..	6,500	100	..			} Nil
†3841	Revolver .. .. .	..	2,400	do.	..			
3842	} Nil.							
to 3844								

ENGRAVING PERIODICAL TICKETS.

The "Engravings" shall consist of the refilling of the existing name, &c., and engraving such words and figures as may be ordered.

The tickets for engravings will be delivered to the Contractor at the office of the Auditor of Receipts in the Flinders-street Railway Building, and shall be delivered after engravings have been completed to that officer in good order and condition. In the event of any tickets being spoilt or damaged by the Contractor whilst in his possession, the Contractor shall reimburse the Corporation with its value as assessed by the Chief Storekeeper.

In addition to the deposit lodged as security for the due performance of the Contract, the Contractor has lodged a further deposit of £5 as security for the safe return of the Gold and Silver Tickets delivered to him for engraving.

3845	Engravings (comprising refilling of the existing words and figures on tickets furnished by the Corporation, and engraving thereon such other words and figures as may be ordered)	Aust.	2,000	Engraving	0	1	10	Harold A. Jones
3846 to 3847		} Nil.						

TWIST DRILLS.

A sample for each size Drill was not submitted, but samples were tested to destruction, and the results are held by the Chief Mechanical Engineer.

As regards Items Nos. 3884 to 3907 to 3912, two tenders have been accepted, and provided satisfactory service is rendered and the Drills give results equal to the samples tested, the business should be equally divided.

As regards Items Nos. 3913 to 3983—three tenders have been accepted with a view to comparative tests being conducted. It will be noted that the rates tendered by Gilbert Lodge and Co. Ltd. are the highest, but a proportion of the business should be allotted to this Company in order that the test may be complete. The Drills will be mostly used by the Chief Mechanical Engineer, and he should indicate which Drills he desires to use, but provided satisfactory service is rendered and results equal to the samples are obtained, most of the orders should be placed on the Firdaw Engineering Supply Co. Pty. Ltd. and Coates and Co. Pty. Ltd., whose rates are equal.

Name of manufacturers and brands—

- Frank Wells Pty. Ltd.—Marsh Bros. and Co. Ltd.—"Roxo."
- Firdaw Eng. Supply Co. Pty. Ltd.—T. Firth and Sons—"Speedicut."
- Coates and Co. Pty. Ltd.—John Vessey and Sons—"Echo."
- Gilbert Lodge and Co. Ltd.—Sir W. G. Armstrong-Whitworth and Co. Ltd.—"A.W."

NOTE—The rates are subject to the following discounts:—

- Frank Wells Pty. Ltd.—Items 3848 to 3882, less 72½ per cent.; Items 3984 to 3995, less 67½ per cent.
- Firdaw Eng. Supply Co. Pty. Ltd.—Less 65 per cent.
- Coates and Co. Pty. Ltd.—Less 65 per cent.
- Gilbert Lodge and Co. Ltd.—Less 52½ per cent.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.	
					£ s. d.		
<i>Twist Drills—continued.</i>							
	Drills, Twist, Carbon, Straight Shank, any numbers ordered—						
3848	Nos. 1 and 2	U.K.	1 gross each size	dozen		} Less 72½ per cent. off price list	
3849	Nos. 3 to 6	"	1 "	do.			
3850	Nos. 7 to 11	"	1 "	do.			
3851	Nos. 12 to 16	"	1 "	do.			
3852	Nos. 17 to 19	"	1 "	do.			
3853	Nos. 20 to 24	"	1 "	do.			
3854	Nos. 25 to 29	"	1 "	do.			
3855	Nos. 30 to 32	"	½ "	do.			
3856	Nos. 33 to 42	"	½ "	do.			
3857	Nos. 43 to 48	"	½ "	do.			
3858	Nos. 49 to 52	"	½ "	do.			
3859	Nos. 53 to 60	"	½ "	do.			
	Drills, Twist, Carbon, Straight Shank—						
3860	1/32"	"	12	each			} Frank Wells Pty. Ltd. } Less 72½ per cent. off price list
3861	3/64"	"	12	do.			
3862	1/16"	"	12	do.			
3863	5/64"	"	12	do.			
3864	3/32"	"	12	do.			
3865	7/64"	"	12	do.			
3866	1/8"	"	12	do.			
3867	9/64"	"	12	do.			
3868	5/32"	"	12	do.			
3869	3/16"	"	12	do.			
3870	13/64"	"	12	do.			
3871	7/32"	"	12	do.			
3872	15/64"	"	12	do.			
3873	1/4"	"	12	do.			
3874	17/64"	"	12	do.			
3875	9/32"	"	12	do.			
3876	5/16"	"	12	do.			
3877	23/64"	"	12	do.			
3878	3/8"	"	12	do.			
3879	25/64"	"	12	do.			
3880	13/32"	"	12	do.			
3881	7/16"	"	12	do.			
3882	1/2"	"	12	do.			
3883	31/32"	"	12	do.	Nil		

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
TWIST DRILLS—continued.						
†3884	Drills, Twist, High Speed, Straight Shank— 1/32"	U.K.	12	each	*0 1 2	Firdaw Eng. Supply Co. Pty. Ltd.
†3884A	1/32"	"		do.	*0 1 1	Coates & Co. Pty. Ltd.
†3885	3/64"	"	12	do.	*0 1 2	Firdaw Eng. Supply Co. Pty. Ltd.
†3885A	8/64"	"		do.	*0 1 1	Coates & Co. Pty. Ltd.
†3886	1/16"	"	250	do.	*0 1 2	Firdaw Eng. Supply Co. Pty. Ltd.
†3886A	1/16"	"		do.	*0 1 2	Coates & Co. Pty. Ltd.
†3887	5/64"	"	140	do.	*0 1 3	Firdaw Eng. Supply Co. Pty. Ltd.
†3887A	5/64"	"		do.	*0 1 3	Coates & Co. Pty. Ltd.
†3888	3/32"	"	400	do.	*0 1 4	Firdaw Eng. Supply Co. Pty. Ltd.
†3888A	3/32"	"		do.	*0 1 4	Coates & Co. Pty. Ltd.
†3889	7/64"	"	140	do.	*0 1 4	Firdaw Eng. Supply Co. Pty. Ltd.
†3889A	7/64"	"		do.	*0 1 4	Coates & Co. Pty. Ltd.
†3890	1/8"	"	600	do.	*0 1 5	Firdaw Eng. Supply Co. Pty. Ltd.
†3890A	1/8"	"		do.	*0 1 5	Coates & Co. Pty. Ltd.
†3891	9/64"	"	200	do.	*0 1 6	Firdaw Eng. Supply Co. Pty. Ltd.
†3891A	9/64"	"		do.	*0 1 6	Coates & Co. Pty. Ltd.
†3892	5/32"	"	400	do.	*0 1 7	Firdaw Eng. Supply Co. Pty. Ltd.
†3892A	5/32"	"		do.	*0 1 7	Coates & Co. Pty. Ltd.
†3893	11/64"	"	140	do.	*0 1 8	Firdaw Eng. Supply Co. Pty. Ltd.
†3893A	11/64"	"		do.	*0 1 8	Coates & Co. Pty. Ltd.
†3894	3/16"	"	400	do.	*0 1 9	Firdaw Eng. Supply Co. Pty. Ltd.
†3894A	3/16"	"		do.	*0 1 9	Coates & Co. Pty. Ltd.
†3895	13/64"	"	200	do.	*0 1 11	Firdaw Eng. Supply Co. Pty. Ltd.
†3895A	13/64"	"		do.	*0 1 11	Coates & Co. Pty. Ltd.
†3896	7/32"	"	120	do.	*0 2 0	Firdaw Eng. Supply Co. Pty. Ltd.
†3896A	7/32"	"		do.	*0 2 0	Coates & Co. Pty. Ltd.
†3897	7/64"	"	6	do.	*0 2 3	Firdaw Eng. Supply Co. Pty. Ltd.
†3897A	7/64"	"		do.	*0 2 3	Coates & Co. Pty. Ltd.
†3898	15/64"	"	500	do.	*0 2 5	Firdaw Eng. Supply Co. Pty. Ltd.
†3898A	15/64"	"		do.	*0 2 5	Coates & Co. Pty. Ltd.
†3899	17/64"	"	100	do.	*0 2 7	Firdaw Eng. Supply Co. Pty. Ltd.
†3899A	17/64"	"		do.	*0 2 7	Coates & Co. Pty. Ltd.
†3900	9/32"	"	500	do.	*0 2 9	Firdaw Eng. Supply Co. Pty. Ltd.
†3900A	9/32"	"		do.	*0 2 9	Coates & Co. Pty. Ltd.
†3901	5/16"	"	400	do.	*0 3 3	Firdaw Eng. Supply Co. Pty. Ltd.
†3901A	5/16"	"		do.	*0 3 3	Coates & Co. Pty. Ltd.
†3902	23/64"	"	6	do.	*0 4 0	Firdaw Eng. Supply Co. Pty. Ltd.
†3902A	23/64"	"		do.	*0 4 0	Coates & Co. Pty. Ltd.
†3903	3/5"	"	200	do.	*0 4 3	Firdaw Eng. Supply Co. Pty. Ltd.
†3903A	3/5"	"		do.	*0 4 3	Coates & Co. Pty. Ltd.
†3904	25/64"	"	8	do.	*0 4 6	Firdaw Eng. Supply Co. Pty. Ltd.
†3904A	25/64"	"		do.	*0 4 6	Coates & Co. Pty. Ltd.
†3905	13/32"	"	4	do.	*0 4 9	Firdaw Eng. Supply Co. Pty. Ltd.
†3905A	13/32"	"		do.	*0 4 9	Coates & Co. Pty. Ltd.

* Firdaw Eng. Supply Co. Pty. Ltd.—less 65 per cent.
 * Coates & Co. Pty. Ltd.—less 65 per cent.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
TWIST DRILLS—continued.								
Drills, Twist, High Speed, Straight Shank— <i>continued.</i>								
†3906	7/16"	U.K.	4	each	*0	5	0	Firdaw Eng. Supply Co. Pty. Ltd.
†3906A	7/16"	"		do.	*0	5	0	Coates & Co. Pty. Ltd.
†3907	1/2"	"		do.	*0	6	0	Firdaw Eng. Supply Co. Pty. Ltd.
†3907A	1/2"	"		do.	*0	6	0	Coates & Co. Pty. Ltd.
†3908	2 1/32" Taper Shank	"	4	do.	*0	13	6	Firdaw Eng. Supply Co. Pty. Ltd.
Drills, Twist, High Speed, Taper Shanks—								
†3909	1/16"	"	40	do.	*0	5	6	Firdaw Eng. Supply Co. Pty. Ltd.
†3909A	1/16"	"		do.	*0	5	6	Coates & Co. Pty. Ltd.
†3910	5/64"	"	25	do.	*0	5	6	Firdaw Eng. Supply Co. Pty. Ltd.
†3910A	5/64"	"		do.	*0	5	6	Coates & Co. Pty. Ltd.
†3911	3/32"	"	25	do.	*0	5	6	Firdaw Eng. Supply Co. Pty. Ltd.
†3911A	3/32"	"		do.	*0	5	6	Coates & Co. Pty. Ltd.
†3912	7/64"	"	25	do.	*0	5	6	Firdaw Eng. Supply Co. Pty. Ltd.
†3912A	7/64"	"		do.	*0	5	6	Coates & Co. Pty. Ltd.
†3913	1/8"	"	600	do.	*0	5	6	Firdaw Eng. Supply Co. Pty. Ltd.
†3913A	1/8"	"		do.	*0	5	6	Coates & Co. Pty. Ltd.
†3913B	1/8"	"	200	do.	*0	5	6	Gilbert Lodge & Co. Ltd.
†3914	9/64"	"		do.	*0	5	6	Firdaw Eng. Supply Co. Pty. Ltd.
†3914A	9/64"	"	200	do.	*0	5	6	Coates & Co. Pty. Ltd.
†3914B	9/64"	"		do.	*0	5	6	Gilbert Lodge & Co. Ltd.
†3915	5/32"	"	400	do.	*0	5	6	Firdaw Eng. Supply Co. Pty. Ltd.
†3915A	5/32"	"		do.	*0	5	6	Coates & Co. Pty. Ltd.
†3915B	5/32"	"	48	do.	*0	5	6	Gilbert Lodge & Co. Ltd.
†3916	11/64"	"		do.	*0	5	6	Firdaw Eng. Supply Co. Pty. Ltd.
†3916A	11/64"	"	48	do.	*0	5	6	Coates & Co. Pty. Ltd.
†3916B	11/64"	"		do.	*0	5	6	Gilbert Lodge & Co. Ltd.
†3917	3/16"	"	600	do.	*0	5	9	Firdaw Eng. Supply Co. Pty. Ltd.
†3917A	3/16"	"		do.	*0	5	9	Coates & Co. Pty. Ltd.
†3917B	3/16"	"	250	do.	*0	5	9	Gilbert Lodge & Co. Ltd.
†3918	13/64"	"		do.	*0	5	9	Firdaw Eng. Supply Co. Pty. Ltd.
†3918A	13/64"	"	250	do.	*0	5	9	Coates & Co. Pty. Ltd.
†3918B	13/64"	"		do.	*0	5	9	Gilbert Lodge & Co. Ltd.
†3919	7/32"	"	500	do.	*0	5	9	Firdaw Eng. Supply Co. Pty. Ltd.
†3919A	7/32"	"		do.	*0	5	9	Coates & Co. Pty. Ltd.
†3919B	7/32"	"	180	do.	*0	5	9	Gilbert Lodge & Co. Ltd.
†3920	15/64"	"		do.	*0	5	9	Firdaw Eng. Supply Co. Co. Ltd.
†3920A	15/64"	"	180	do.	*0	5	9	Coates & Co. Pty. Ltd.
†3920B	15/64"	"		do.	*0	5	9	Gilbert Lodge & Co. Ltd.
†3921	1/4"	"	1,000	do.	*0	6	0	Firdaw Eng. Supply Co. Pty. Ltd.
†3921A	1/4"	"		do.	*0	6	0	Coates & Co. Pty. Ltd.
†3921B	1/4"	"		do.	*0	6	0	Gilbert Lodge & Co. Ltd.

[Firdaw Eng. Supply Co. Pty. Ltd.—Less 65 per cent.
 [Coates & Co. Pty. Ltd.—Less 65 per cent.
 [Gilbert Lodge & Co. Ltd.—Less 65 per cent.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
TWIST DRILLS—continued.						
	Drills, Twist, High Speed, Taper Shanks— <i>continued.</i>					
†3922	17/64"	U.K.	250	each	*0 6 3	Firdaw Eng. Supply Co. Pty. Ltd.
†3922A	17/64"	"		do.	*0 6 3	Coates & Co. Pty. Ltd.
†3922B	17/64"	"		do.	*0 6 3	Gilbert Lodge & Co. Ltd.
†3923	9/32"	"	400	do.	*0 6 3	Firdaw Eng. Supply Co. Pty. Ltd.
†3923A	9/32"	"		do.	*0 6 3	Coates & Co. Pty. Ltd.
†3923B	9/32"	"		do.	*0 6 3	Gilbert Lodge & Co. Ltd.
†3924	19/64"	"	200	do.	*0 6 3	Firdaw Eng. Supply Co. Pty. Ltd.
†3924A	19/64"	"		do.	*0 6 3	Coates & Co. Pty. Ltd.
†3924B	19/64"	"		do.	*0 6 3	Gilbert Lodge & Co. Ltd.
†3925	5/16"	"	600	do.	*0 6 3	Firdaw Eng. Supply Co. Pty. Ltd.
†3925A	5/16"	"		do.	*0 6 3	Coates & Co. Pty. Ltd.
†3925B	5/16"	"		do.	*0 6 3	Gilbert Lodge & Co. Ltd.
†3926	21/64"	"	90	do.	*0 6 6	Firdaw Eng. Supply Co. Pty. Ltd.
†3926A	21/64"	"		do.	*0 6 6	Coates & Co. Pty. Ltd.
†3926B	21/64"	"		do.	*0 6 6	Gilbert Lodge & Co. Ltd.
†3927	11/32"	"	160	do.	*0 6 6	Firdaw Eng. Supply Co. Pty. Ltd.
†3927A	11/32"	"		do.	*0 6 6	Coates & Co. Pty. Ltd.
†3927B	11/32"	"		do.	*0 6 6	Gilbert Lodge & Co. Ltd.
†3928	23/64"	"	36	do.	*0 6 6	Firdaw Eng. Supply Co. Pty. Ltd.
†3928A	23/64"	"		do.	*0 6 6	Coates & Co. Pty. Ltd.
†3928B	23/64"	"		do.	*0 6 6	Gilbert Lodge & Co. Ltd.
†3929	3/8"	"	300	do.	*0 6 6	Firdaw Eng. Supply Co. Pty. Ltd.
†3929A	3/8"	"		do.	*0 6 6	Coates & Co. Pty. Ltd.
†3929B	3/8"	"		do.	*0 6 6	Gilbert Lodge & Co. Ltd.
†3930	25/64"	"	96	do.	*0 7 0	Firdaw Eng. Supply Co. Pty. Ltd.
†3930A	25/64"	"		do.	*0 7 0	Coates & Co. Pty. Ltd.
†3930B	25/64"	"		do.	*0 7 0	Gilbert Lodge & Co. Pty. Ltd.
†3931	13/32"	"	50	do.	*0 7 0	Firdaw Eng. Supply Co. Pty. Ltd.
†3931A	13/32"	"		do.	*0 7 0	Coates & Co. Pty. Ltd.
†3931B	13/32"	"		do.	*0 7 0	Gilbert Lodge & Co. Ltd.
†3932	27/64"	"	80	do.	*0 7 6	Firdaw Eng. Supply Co. Pty. Ltd.
†3932A	27/64"	"		do.	*0 7 6	Coates & Co. Pty. Ltd.
†3932B	27/64"	"		do.	*0 7 6	Gilbert Lodge & Co. Ltd.
†3933	7/16"	"	400	do.	*0 7 6	Firdaw Eng. Supply Co. Pty. Ltd.
†3933A	7/16"	"		do.	*0 7 6	Coates & Co. Pty. Ltd.
†3933B	7/16"	"		do.	*0 7 6	Gilbert Lodge & Co. Ltd.
†3934	29/64"	"	24	do.	*0 8 0	Firdaw Eng. Supply Co. Pty. Ltd.
†3934A	29/64"	"		do.	*0 8 0	Coates & Co. Pty. Ltd.
†3934B	29/64"	"		do.	*0 8 0	Gilbert Lodge & Co. Ltd.

(Firdaw Eng. Supply Co. Pty. Ltd.—Less 65 per cent.
 Coates & Co. Pty. Ltd.—Less 65 per cent.
 Gilbert Lodge & Co. Ltd.—Less 52½ per cent.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
TWIST DRILLS—continued.						
Drills, Twist, High Speed, Taper Shanks— <i>continued.</i>						
†3935	15/32"	U.K.	12	each	*0 8 0	Firdaw Eng. Supply Co. Pty. Ltd.
†3935A	15/32"	"		do.	*0 8 0	Coates & Co. Pty. Ltd.
†3935B	15/32"	"	12	do.	*0 8 0	Gilbert Lodge & Co. Ltd.
†3936	31/64"	"		do.	*0 8 6	Firdaw Eng. Supply Co. Pty. Ltd.
†3936A	31/64"	"	12	do.	*0 8 6	Coates & Co. Pty. Ltd.
†3936B	31/64"	"		do.	*0 8 6	Gilbert Lodge & Co. Ltd.
†3937	1/2"	"	240	do.	*0 8 6	Firdaw Eng. Supply Co. Pty. Ltd.
†3937A	1/2"	"		do.	*0 8 6	Coates & Co. Pty. Ltd.
†3937B	1/2"	"		do.	*0 8 6	Gilbert Lodge & Co. Ltd.
†3938	33/64"	"	36	do.	*0 9 0	Firdaw Eng. Supply Co. Pty. Ltd.
†3938A	33/64"	"		do.	*0 9 0	Coates & Co. Pty. Ltd.
†3938B	33/64"	"		do.	*0 9 0	Gilbert Lodge & Co. Ltd.
†3939	17/32"	"	72	do.	*0 9 0	Firdaw Eng. Supply Co. Pty. Ltd.
†3939A	17/32"	"		do.	*0 9 0	Coates & Co. Pty. Ltd.
†3939B	17/32"	"		do.	*0 9 0	Gilbert Lodge & Co. Ltd.
†3940	35/64"	"	100	do.	*0 9 0	Firdaw Eng. Supply Co. Pty. Ltd.
†3940A	35/64"	"		do.	*0 9 0	Coates & Co. Pty. Ltd.
†3940B	35/64"	"		do.	*0 9 0	Gilbert Lodge & Co. Ltd.
†3941	9/16"	"	400	do.	*0 12 0	Firdaw Eng. Supply Co. Pty. Ltd.
†3941A	9/16"	"		do.	*0 12 0	Coates & Co. Pty. Ltd.
†3941B	9/16"	"		do.	*0 12 0	Gilbert Lodge & Co. Ltd.
†3942	37/64"	"	140	do.	*0 12 0	Firdaw Eng. Supply Co. Pty. Ltd.
†3942A	37/64"	"		do.	*0 12 0	Coates & Co. Pty. Ltd.
†3942B	37/64"	"		do.	*0 12 0	Gilbert Lodge & Co. Ltd.
†3943	19/32"	"	25	do.	*0 12 6	Firdaw Eng. Supply Co. Pty. Ltd.
†3943A	19/32"	"		do.	*0 12 6	Coates & Co. Pty. Ltd.
†3943B	19/32"	"		do.	*0 12 6	Gilbert Lodge & Co. Ltd.
†3944	39/64"	"	6	do.	*0 13 0	Firdaw Eng. Supply Co. Pty. Ltd.
†3944A	39/64"	"		do.	*0 13 0	Coates & Co. Pty. Ltd.
†3944B	39/64"	"		do.	*0 13 0	Gilbert Lodge & Co. Ltd.
†3945	5/8"	"	140	do.	*0 13 0	Firdaw Eng. Supply Co. Pty. Ltd.
†3945A	5/8"	"		do.	*0 13 0	Coates & Co. Pty. Ltd.
†3945B	5/8"	"		do.	*0 13 0	Gilbert Lodge & Co. Ltd.
†3946	41/64"	"	12	do.	*0 13 6	Firdaw Eng. Supply Co. Pty. Ltd.
†3946A	41/64"	"		do.	*0 13 6	Coates & Co. Pty. Ltd.
†3946B	41/64"	"		do.	*0 13 6	Gilbert Lodge & Co. Ltd.
†3947	21/32"	"	90	do.	*0 13 6	Firdaw Eng. Supply Co. Pty. Ltd.
†3947A	21/32"	"		do.	*0 13 6	Coates & Co. Pty. Ltd.
†3947B	21/32"	"		do.	*0 13 6	Gilbert Lodge & Co. Ltd.

* Firdaw Eng. Supply Co. Pty. Ltd.—Less 65 per cent.
 Coates & Co. Pty. Ltd.—Less 65 per cent.
 Gilbert Lodge & Co. Ltd.—Less 52½ per cent.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
TWIST DRILLS—continued.								
	Drills, Twist, High Speed, Taper Shanks— <i>continued.</i>							
†3948	43/64"	U.K.	18	each	*0	14	0	Firdaw Eng. Supply Co. Pty. Ltd.
†3948A	43/64"	"		do.	*0	14	0	Coates & Co. Pty. Ltd.
†3948B	43/64"	"	do.	*0	14	0	Gilbert Lodge & Co. Ltd.	
†3949	11/16"	"	320	do.	*0	14	0	Firdaw Eng. Supply Co. Pty. Ltd.
†3949A	11/16"	"		do.	*0	14	0	Coates & Co. Pty. Ltd.
†3949B	11/16"	"	do.	*0	14	0	Gilbert Lodge & Co. Ltd.	
†3950	45/64"	"	36	do.	*0	15	0	Firdaw Eng. Supply Co. Pty. Ltd.
†3950A	45/64"	"		do.	*0	15	0	Coates & Co. Pty. Ltd.
†3950B	45/64"	"	do.	*0	15	0	Gilbert Lodge & Co. Ltd.	
†3951	23/32"	"	12	do.	*0	15	0	Firdaw Eng. Supply Co. Pty. Ltd.
†3951A	23/32"	"		do.	*0	15	0	Coates & Co. Pty. Ltd.
†3951B	23/32"	"	do.	*0	15	0	Gilbert Lodge & Co. Ltd.	
†3952	47/64"	"	5	do.	*0	16	0	Firdaw Eng. Supply Co. Pty. Ltd.
†3952A	47/64"	"		do.	*0	16	0	Coates & Co. Pty. Ltd.
†3952B	47/64"	"	do.	*0	16	0	Gilbert Lodge & Co. Ltd.	
†3953	3/4"	"	200	do.	*0	16	0	Firdaw Eng. Supply Co. Pty. Ltd.
†3953A	3/4"	"		do.	*0	16	0	Coates & Co. Pty. Ltd.
†3953B	3/4"	"	do.	*0	16	0	Gilbert Lodge & Co. Ltd.	
†3954	49/64"	"	100	do.	*0	17	0	Firdaw Eng. Supply Co. Pty. Ltd.
†3954A	49/64"	"		do.	*0	17	0	Coates & Co. Pty. Ltd.
†3954B	49/64"	"	do.	*0	17	0	Gilbert Lodge & Co. Ltd.	
†3955	25/32"	"	40	do.	*0	17	0	Firdaw Eng. Supply Co. Pty. Ltd.
†3955A	25/32"	"		do.	*0	17	0	Coates & Co. Pty. Ltd.
†3955B	25/32"	"	do.	*0	17	0	Gilbert Lodge & Co. Ltd.	
†3956	51/64"	"	40	do.	*0	18	0	Firdaw Eng. Supply Co. Pty. Ltd.
†3956A	51/64"	"		do.	*0	18	0	Coates & Co. Pty. Ltd.
†3956B	51/64"	"	do.	*0	18	0	Gilbert Lodge & Co. Ltd.	
†3957	13/16"	"	400	do.	*0	18	0	Firdaw Eng. Supply Co. Pty. Ltd.
†3957A	13/16"	"		do.	*0	18	0	Coates & Co. Pty. Ltd.
†3957B	13/16"	"	do.	*0	18	0	Gilbert Lodge & Co. Ltd.	
†3958	53/64"	"	12	do.	*0	19	0	Firdaw Eng. Supply Co. Pty. Ltd.
†3958A	53/64"	"		do.	*0	19	0	Coates & Co. Pty. Ltd.
†3958B	53/64"	"	do.	*0	19	0	Gilbert Lodge & Co. Ltd.	
†3959	27/32"	"	6	do.	*0	19	0	Firdaw Eng. Supply Co. Pty. Ltd.
†3959A	27/32"	"		do.	*0	19	0	Coates & Co. Pty. Ltd.
†3959B	27/32"	"	do.	*0	19	0	Gilbert Lodge & Co. Ltd.	
†3960	7/8"	"	200	do.	*1	0	6	Firdaw Eng. Supply Co. Pty. Ltd.
†3960A	7/8"	"		do.	*1	0	6	Coates & Co. Pty. Ltd.
†3960B	7/8"	"	do.	*1	0	6	Gilbert Lodge & Co. Ltd.	

{ Firdaw Eng. Supply Co. Pty. Ltd.—Less 65 per cent.
 Coates & Co. Pty. Ltd.—Less 65 per cent.
 Gilbert Lodge & Co. Ltd.—Less 52½ per cent.

TWIST DRILLS—continued.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
	Drills, Twist, High Speed, Taper Shanks— <i>continued.</i>							
†3961	57/64"	U.K.		each	*1	2	0	Firdaw Eng. Supply Co. Pty. Ltd.
†3961A	57/64"	"	40	do.	*1	2	0	Coates & Co. Pty. Ltd.
†3961B	57/64"	"		do.	*1	2	0	Gilbert Lodge & Co. Ltd.
†3962	59/64"	"	6	do.	*1	3	6	Firdaw Eng. Supply Co. Pty. Ltd.
†3962A	59/64"	"		do.	*1	3	6	Coates & Co. Pty. Ltd.
†3962B	59/64"	"	do.	*1	3	6	Gilbert Lodge & Co. Ltd.	
†3963	61/64"	"	5	do.	*1	5	0	Firdaw Eng. Supply Co. Pty. Ltd.
†3963A	61/64"	"		do.	*1	5	0	Coates & Co. Pty. Ltd.
†3963B	61/64"	"	do.	*1	5	0	Gilbert Lodge & Co. Ltd.	
†3964	31/32"	"	5	do.	*1	5	0	Firdaw Eng. Supply Co. Pty. Ltd.
†3964A	31/32"	"		do.	*1	5	0	Coates & Co. Pty. Ltd.
†3964B	31/32"	"	do.	*1	5	0	Gilbert Lodge & Co. Ltd.	
†3965	63/64"	"	5	do.	*1	6	6	Firdaw Eng. Supply Co. Pty. Ltd.
†3965A	63/64"	"		do.	*1	6	6	Coates & Co. Pty. Ltd.
†3965B	63/64"	"	do.	*1	6	6	Gilbert Lodge & Co. Ltd.	
†3966	1 5/16"	"	160	do.	*1	3	6	Firdaw Eng. Supply Co. Pty. Ltd.
†3966A	1 5/16"	"		do.	*1	3	6	Coates & Co. Pty. Ltd.
†3966B	1 5/16"	"	do.	*1	3	6	Gilbert Lodge & Co. Ltd.	
†3967	1"	"	100	do.	*1	6	6	Firdaw Eng. Supply Co. Pty. Ltd.
†3967A	1"	"		do.	*1	6	6	Coates & Co. Pty. Ltd.
†3967B	1"	"	do.	*1	6	6	Gilbert Lodge & Co. Ltd.	
†3968	1 1/32"	"	80	do.	*1	9	0	Firdaw Eng. Supply Co. Pty. Ltd.
†3968A	1 1/32"	"		do.	*1	9	0	Coates & Co. Pty. Ltd.
†3968B	1 1/32"	"	do.	*1	9	0	Gilbert Lodge & Co. Ltd.	
†3969	1 1/16"	"	80	do.	*1	11	0	Firdaw Eng. Supply Co. Pty. Ltd.
†3969A	1 1/16"	"		do.	*1	11	0	Coates & Co. Pty. Ltd.
†3969B	1 1/16"	"	do.	*1	11	0	Gilbert Lodge & Co. Ltd.	
†3970	1 1/8"	"	100	do.	*1	15	0	Firdaw Eng. Supply Co. Pty. Ltd.
†3970A	1 1/8"	"		do.	*1	15	0	Coates & Co. Pty. Ltd.
†3970B	1 1/8"	"	do.	*1	15	0	Gilbert Lodge & Co. Ltd.	
†3971	1 5/32"	"	3	do.	*1	17	0	Firdaw Eng. Supply Co. Pty. Ltd.
†3971A	1 5/32"	"		do.	*1	17	0	Coates & Co. Pty. Ltd.
†3971B	1 5/32"	"	do.	*1	17	0	Gilbert Lodge & Co. Ltd.	
†3972	1 9/64"	"	3	do.	*1	16	0	Firdaw Eng. Supply Co. Pty. Ltd.
†3972A	1 9/64"	"		do.	*1	16	0	Coates & Co. Pty. Ltd.
†3972B	1 9/64"	"	do.	*1	16	0	Gilbert Lodge & Co. Ltd.	
†3973	1 7/32"	"	3	do.	*2	2	0	Firdaw Eng. Supply Co. Pty. Ltd.
†3973A	1 7/32"	"		do.	*2	2	0	Coates & Co. Pty. Ltd.
†3973B	1 7/32"	"	do.	*2	2	0	Gilbert Lodge & Co. Ltd.	

Firdaw Eng. Supply Co. Pty. Ltd.—Less 65 per cent.
 Coates & Co. Pty. Ltd.—Less 65 per cent.
 Gilbert Lodge & Co. Ltd.—Less 65 per cent.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.	
					£	s.	d.		
TWIST DRILLS—continued.									
Drills, Twist, High Speed, Taper Shanks— <i>continued.</i>									
†3974	1 ⁹ / ₃₂ "	U.K.	20	each	*2	13	0	Firdaw Eng. Supply Co. Pty. Ltd.	
†3974A	1 ⁹ / ₃₂ "	"		do.	*2	13	0	Coates & Co. Pty. Ltd.	
†3974B	1 ⁹ / ₃₂ "	"		do.	*2	13	0	Gilbert Lodge & Co. Ltd.	
†3975	1 ¹⁹ / ₆₄ "	"	4	do.	*2	14	0	Firdaw Eng. Supply Co. Pty. Ltd.	
†3975A	1 ¹⁹ / ₆₄ "	"		do.	*2	14	0	Coates & Co. Pty. Ltd.	
†3975B	1 ¹⁹ / ₆₄ "	"		do.	*2	14	0	Gilbert Lodge & Co. Ltd.	
†3976	1 ¹ / ₄ "	"	80	do.	*2	4	0	Firdaw Eng. Supply Co. Pty. Ltd.	
†3976A	1 ¹ / ₄ "	"		do.	*2	4	0	Coates & Co. Pty. Ltd.	
†3976B	1 ¹ / ₄ "	"		do.	*2	4	0	Gilbert Lodge & Co. Ltd.	
†3977	1 ⁵ / ₁₆ "	"	10	do.	*2	15	0	Firdaw Eng. Supply Co. Pty. Ltd.	
†3977A	1 ⁵ / ₁₆ "	"		do.	*2	15	0	Coates & Co. Pty. Ltd.	
†3977B	1 ⁵ / ₁₆ "	"		do.	2	15	0	Gilbert Lodge & Co. Ltd.	
†3978	1 ¹¹ / ₃₂ "	"	2	do.	*2	18	0	Firdaw Eng. Supply Co. Pty. Ltd.	
†3978A	1 ¹¹ / ₃₂ "	"		do.	*2	18	0	Coates & Co. Pty. Ltd.	
†3978B	1 ¹¹ / ₃₂ "	"		do.	*2	18	0	Gilbert Lodge & Co. Ltd.	
†3979	1 ³ / ₈ "	"	2	do.	*3	2	0	Firdaw Eng. Supply Co. Pty. Ltd.	
†3979A	1 ³ / ₈ "	"		do.	*3	2	0	Coates & Co. Pty. Ltd.	
†3979B	1 ³ / ₈ "	"		do.	*3	2	0	Gilbert Lodge & Co. Ltd.	
†3980	1 ¹⁵ / ₃₂ "	"	4	do.	*3	12	0	Firdaw Eng. Supply Co. Pty. Ltd.	
†3980A	1 ¹⁵ / ₃₂ "	"		do.	*3	12	0	Coates & Co. Pty. Ltd.	
†3980B	1 ¹⁵ / ₃₂ "	"		do.	*3	12	0	Gilbert Lodge & Co. Ltd.	
†3981	1 ⁹ / ₁₆ "	"	4	do.	*4	4	0	Firdaw Eng. Supply Co. Pty. Ltd.	
†3981A	1 ⁹ / ₁₆ "	"		do.	*4	4	0	Coates & Co. Pty. Ltd.	
†3981B	1 ⁹ / ₁₆ "	"		do.	*4	4	0	Gilbert Lodge & Co. Ltd.	
†3982	2"	"	2	do.	*7	0	0	Firdaw Eng. Supply Co. Pty. Ltd.	
†3982A	2"	"		do.	*7	0	0	Coates & Co. Pty. Ltd.	
†3982B	2"	"		do.	*7	0	0	Gilbert Lodge & Co. Ltd.	
†3983	2 ¹ / ₁₆ "	"	2	do.	*7	15	0	Firdaw Eng. Supply Co. Pty. Ltd.	
†3983A	2 ¹ / ₁₆ "	"		do.	*7	15	0	Coates & Co. Pty. Ltd.	
†3983B	2 ¹ / ₁₆ "	"		do.	*7	15	0	Gilbert Lodge & Co. Ltd.	
Drills, Twist, Carbon, Ratchet, Square Shanks, Tapered, from ³ / ₄ " to ¹ / ₂ "—									
3984	1 ¹ / ₄ "	U.K.	20	each					
3985	5 ¹ / ₁₆ "	"	70	do.					
3986	7 ¹ / ₁₆ "	"	3	do.					
3987	1 ¹ / ₂ "	"	3	do.					
3988	9 ¹ / ₁₆ "	"	12	do.					
†3989	5 ¹ / ₈ "	"	3	do.					
3990	11 ¹ / ₁₆ "	"	24	do.					
3991	13 ¹ / ₁₆ "	"	36	do.					
3992	15 ¹ / ₁₆ "	"	12	do.					
3993	1"	"	3	do.					
3994	1 ¹ / ₁₆ "	"	12	do.					
3995	1 ¹ / ₈ "	"	140	do.					
					Less 67½ per cent. off price list.			Frank Wells Pty. Ltd.	

{ Firdaw Eng. Supply Co. Pty. Ltd.—Less 65 per cent.
 { Coates & Co. Pty. Ltd.—Less 65 per cent.
 { Gilbert Lodge & Co. Ltd.—Less 62½ per cent.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	

TWIST DRILLS—*continued.*

3996	Sockets, for Taper Drills Nil.	..	250	each	..	Nil
3997						
to						
3999						

BOLTS AND NUTS.

The samples exhibited by the Corporation for Items marked * are samples as regards shape and quality only.
 All the Bolts and Nuts under Items 4000 to 4142 inclusive shall be made from the very best Staffordshire iron, or iron of equal quality, with full, true, and clean threads of "Whitworth's" gauge and diameter.
 All Hexagonal Nuts are to be of Victorian Railways (Whitworth's) gauge on the outside.
 All Bolts under Items 4143 to 4145 inclusive to be made from special fish-bolt steel, capable of withstanding a tensile test of from 38 to 42 tons per square inch of section, with an elongation of not less than 15 per cent. in a length of 8 inches. The steel of Nuts to stand a tensile test of from 26 to 32 tons per square inch of section, with an elongation of not less than 20 per cent. in a length of 8 inches.

The Bolts supplied under this Schedule shall be threaded to the lengths as shown in the following table:—

Size of Bolt	Length of Bolts.	½ in.	¾ in.	1 in.	1 ¼ in.	1 ½ in.	1 in.
		In.	In.	In.	In.	In.	In.
1 in. to 1 ½ in.	..	½	1	1 ¼	..	..	..
1 ½ " 2 "	..	½	1	1 ¼	1 ½	1 ½	..
2 " 2 ½ "	..	½	1	1 ¼	1 ½	1 ½	1 ½
2 ½ " 3 "	..	½	1	1 ¼	1 ½	1 ½	1 ½
3 " 4 "	..	½	1	1 ¼	1 ½	1 ½	1 ½
4 " 8 "	..	1	1 ½	1 ½	1 ½	1 ½	1 ½
5 " 12 "	..	1	1 ½	1 ½	2	2	2 ½
6 " 20 "	..	1	1 ½	2	2	2 ½	2 ½

Bolts larger and longer than above are to be threaded three times the diameter of the rod.

Places of Delivery.

McPherson's Pty. Ltd.—Delivered at Spencer-street.

H. V. McKay Pty. Ltd.—Delivered at Sunshine Railway Station.

Victoria Iron Rolling Co. Pty. Ltd.—Delivered at Brooklyn, West Footscray, Melbourne, or Spotswood, at Department's option.

G. F. Sewell Pty. Ltd.—Delivered at West Footscray Railway Station, but material may be picked up by the Departmental motor lorries at the Contractor's works and 1s. 3d. per ton debited for the cost of cartage.

As regards the contract with G. F. Sewell Pty. Ltd. the rates are subject to alteration in the event of a decrease of hours in a working week becoming operative during the currency of the contract or in the event of an increase or decrease in the price of Broken Hill Pty. Co. Ltd. material.

The amended rates, if any, shall be fixed by the Chief Storekeeper.

Item No.	Description.	Aust.	500 gross	gross	0 3 6	Contractor
4000	½" diameter x 2" in length and under..	..	200	do.	0 4 11	McPherson's Pty. Ltd.
4001	½" diameter x over 2" in length ..	..	100	do.	0 4 8
4002	⅝" diameter x 2" in length and under ..	..	90	do.	0 6 1
4003	⅝" diameter x over 2" in length ..	..	250	do.	0 6 11
4004	⅝" diameter x 3" in length and under..	..	100	do.	0 9 3	H. V. McKay Pty. Ltd.
4005	⅝" diameter x 3 ¼" to 6" in length ..	..	100	do.	1 17 0
4006	⅝" diameter x over 6" in length	100 cwt.	cwt.	1 17 0	McPherson's Pty. Ltd.
4007	⅝" diameter x 3" in length and under..	..	140	do.	1 13 0	
4008	⅝" diameter x 3 ¼" to 6" in length	400	do.	1 8 0	G. F. Sewell Pty. Ltd.
4009	⅝" diameter x over 6" in length ..	..	120	do.	1 10 0
4010	⅝" diameter x 3" in length and under..	..	2	do.	1 6 0	McPherson's Pty. Ltd.
4011	⅝" diameter x 3 ¼" to 6" in length ..	..	100	do.	1 3 6
4012	⅝" diameter x 6 ¼" to 12" in length	150	do.	1 9 6	G. F. Sewell Pty. Ltd.
4013	⅝" diameter x over 12" in length ..	..	10	do.	1 5 0
4014	⅝", ⅞", and 1" diameter x 3 ¼" to 6" in length	100	do.	1 4 0	McPherson's Pty. Ltd.
4015	⅝", ⅞", and 1" diameter x 6 ¼" to 12" in length ..	..	80	do.	1 19 6
4016	⅝", ⅞", and 1" diameter x over 12" in length	60	do.	1 18 6	McPherson's Pty. Ltd.
4017	⅞" diameter x 5 ½" in length ..	..	10	do.	
4018	⅞" diameter x 6" in length ..	..	1	do.	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
BOLTS AND NUTS— <i>continued.</i>						
	Bolts, Iron, with Cup Head, Square Neck, and Hexagon Nut—					
4019	1" diameter x 2" in length and under..	Aust.	500 gross	gross	0 4 0	McPherson's Pty. Ltd.
4020	1 1/4" diameter x over 2" in length ..	"	200 "	do.	0 5 3	
4021	1/16" diameter x 2" in length and under ..	"	100 "	do.	0 5 5	
4022	1/16" diameter x over 2" in length ..	"	90 "	do.	0 7 0	
4023	1/16" diameter x 3" in length and under..	"	250 "	do.	0 8 0	G. F. Sewell Pty. Ltd.
* 4024	1/16" diameter x 3 1/4" to 6" in length ..	"	100 "	cwt.	2 5 6	
4025	1/16" diameter x over 6" in length ..	"	100 cwt.	do.	1 18 0	
4026	1/16" diameter x 3" in length and under..	"	140 "	do.	1 18 0	
4027	1/16" diameter x 3 1/4" to 6" in length ..	"	400 "	do.	1 15 0	G. F. Sewell Pty. Ltd.
4028	1/16" diameter x over 6" in length ..	"	120 "	do.	1 9 0	
4029	1/16" diameter x 3" in length and under..	"	2 "	do.	1 14 6	
4030	1/16" diameter x 3 1/4" to 6" in length ..	"	100 "	do.	1 10 6	
4031	1/16" diameter x 6 1/4" to 12" in length ..	"	150 "	do.	1 6 6	G. F. Sewell Pty. Ltd.
4032	1/16" diameter x over 12" in length ..	"	10 "	do.	1 4 9	
4033	1/16" diameter x 3 1/4" to 6" in length ..	"	100 "	do.	1 10 0	
* 4034	3/4", 7/8", and 1" diameter x 6 1/4" to 12" in length ..	"	80 "	do.	1 5 6	
4035	3/4", 7/8", and 1" diameter x over 12" in length ..	"	60 "	do.	1 4 6	G. F. Sewell Pty. Ltd.
4036	7/16" diameter x 5 1/2" in length ..	"	10 "	do.	2 2 0	McPherson's Pty. Ltd.
4037	1/16" diameter x 6" in length ..	"	1 "	do.	2 0 0	
	Bolts, Iron, with Hexagon Head, Round Neck, and Square Nut—					
4038	1/4" diameter x 2" in length and under ..	"	800 gross	gross	0 6 6	McPherson's Pty. Ltd.
4039	1/4" diameter x over 2" in length ..	"	20 "	do.	0 8 9	G. F. Sewell Pty. Ltd.
4040	1/16" diameter x 2" in length and under ..	"	200 "	do.	0 8 6	
4041	1/16" diameter x over 2" in length ..	"	15 "	do.	0 10 6	
4042	1/16" diameter x 3" in length and under..	"	400 "	do.	0 10 6	
4043	1/16" diameter x 3 1/4" to 6" in length ..	"	11 "	cwt.	2 13 6	McPherson's Pty. Ltd.
4044	1/16" diameter x over 6" in length ..	"	1 cwt.	do.	2 6 0	
4045	1/16" diameter x 3" in length and under..	"	200 "	do.	2 10 0	
4046	1/16" diameter x 3 1/4" to 6" in length ..	"	100 "	do.	1 18 6	
4047	1/16" diameter x over 6" in length ..	"	200 "	do.	1 10 9	McPherson's Pty. Ltd.
4048	1/16" diameter x 3" in length and under..	"	140 "	do.	1 19 0	
* 4049	1/16" diameter x 3 1/4" to 6" in length ..	"	200 "	do.	1 11 0	
4050	1/16" diameter x over 6" in length ..	"	100 "	do.	1 7 0	
4051	3/4", 7/8", and 1" diameter x 3" in length and under ..	"	400 "	do.	1 12 0	McPherson's Pty. Ltd.
4052	3/4", 7/8", and 1" diameter x 3 1/4" to 6" in length ..	"	300 "	do.	1 6 0	Victoria Iron Rolling Co. Pty. Ltd.
4053	3/4", 7/8", and 1" diameter x over 6" in length ..	"	400 "	do.	1 4 6	McPherson's Pty. Ltd.
4054	7/16" diameter x 5" in length ..	"	2 "	do.	2 14 0	
4055	1/16" diameter x 5 1/2" in length ..	"	2 "	do.	2 10 0	
	Bolts, Iron, with Hexagon Head, Round Neck, and Hexagon Nut—					
4056	1/4" diameter x 2" in length and under..	"	800 gross	gross	0 6 6	McPherson's Pty. Ltd.
4057	1/4" diameter x over 2" in length ..	"	20 "	do.	0 8 9	G. F. Sewell Pty. Ltd.
4058	1/16" diameter x 2" in length and under ..	"	200 "	do.	0 8 6	
4059	1/16" diameter x over 2" in length ..	"	15 "	do.	0 10 6	
4060	1/16" diameter x 3" in length and under..	"	400 "	do.	0 10 6	
4061	1/16" diameter x 3 1/4" to 6" in length ..	"	11 "	cwt.	2 13 6	McPherson's Pty. Ltd.
4062	1/16" diameter x over 6" in length ..	"	1 cwt.	do.	2 7 0	
4063	1/16" diameter x 3" in length and under..	"	200 "	do.	2 11 0	
4064	1/16" diameter x 3 1/4" to 6" in length ..	"	100 "	do.	1 19 6	
* 4065	1/16" diameter x over 6" in length ..	"	200 "	do.	1 11 6	G. F. Sewell Pty. Ltd.
4066	1/16" diameter x 3" in length and under..	"	140 "	do.	2 0 0	McPherson's Pty. Ltd.
4067	1/16" diameter x 3 1/4" to 6" in length ..	"	200 "	do.	1 11 9	Victoria Iron Rolling Co. Pty. Ltd.
4068	1/16" diameter x over 6" in length ..	"	100 "	do.	1 7 6	
4069	3/4", 7/8", and 1" diameter x 3" in length and under ..	"	400 "	do.	1 13 6	McPherson's Pty. Ltd.
4070	3/4", 7/8", and 1" diameter x 3 1/4" to 6" in length ..	"	300 "	do.	1 9 0	G. F. Sewell Pty. Ltd.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
BOLTS AND NUTS—continued.						
4071	Bolts, Iron, with Hexagon Head, Round Neck, and Hexagon Nut— 3/4", 7/8", and 1" diameter x over 6" in length	Aust.	400 cwt.	cwt.	1 5 0	G. F. Sewell Pty. Ltd.
*4072	7/16" diameter x 5" in length	"	2 "	do.	2 14 0	McPherson's Pty. Ltd.
4073	1/16" diameter x 5 1/2" in length	"	2 "	do.	2 10 0	
Bolts, Iron, with Square Head, Round Neck, and Square Nut—						
4074	1" diameter x 3" in length and under..	"	4 "	do.	2 4 0	McPherson's Pty. Ltd.
4075	1" diameter x 3 1/2" to 6" in length	"	4 "	do.	1 17 0	
4076	1" diameter x 6 1/4" to 12" in length	"	20 "	do.	1 11 6	
4077	1" diameter x over 12" in length	"	5 "	do.	1 8 0	
4078	1" diameter x 3" in length and under..	"	2 "	do.	1 18 0	
*4079	1" diameter x 3 1/2" to 6" in length	"	60 "	do.	1 11 0	
4080	1" diameter x 6 1/4" to 12" in length	"	120 "	do.	1 5 9	
4081	1" diameter x over 12" in length	"	70 "	do.	1 4 6	
4082	1" diameter x 2 1/2" in length	"	20 "	do.	1 11 0	
4083	3/4", 7/8", and 1" diameter x 3 1/2" to 6" in length	"	8 "	do.	1 9 0	
4084	3/4", 7/8", and 1" diameter x over 6" in length	"	600 "	do.	0 19 9	
Bolts, Iron, with Square Head, Round Neck, and Hexagon Nut—						
*4085	1" diameter x 3" in length and under..	"	4 "	do.	2 6 0	McPherson's Pty. Ltd.
*4086	1" diameter x 3 1/2" to 6" in length	"	4 "	do.	1 18 6	
*4087	1" diameter x 6 1/4" to 12" in length	"	20 "	do.	1 13 0	G. F. Sewell Pty. Ltd.
*4088	1" diameter x over 12" in length	"	5 "	do.	1 9 6	McPherson's Pty. Ltd.
*4089	1" diameter x 3" in length and under..	"	2 "	do.	1 19 0	G. F. Sewell Pty. Ltd.
*4090	1" diameter x 3 1/2" to 6" in length	"	60 "	do.	1 12 0	
*4091	1" diameter x 6 1/4" to 12" in length	"	120 "	do.	1 6 6	McPherson's Pty. Ltd.
*4092	1" diameter x over 12" in length	"	70 "	do.	1 5 6	G. F. Sewell Pty. Ltd.
*4093	1" diameter x 2 1/2" in length	"	20 "	do.	1 13 0	McPherson's Pty. Ltd.
*4094	3/4", 7/8", and 1" diameter x 3 1/2" to 6" in length	"	8 "	do.	1 10 0	
*4095	3/4", 7/8", and 1" diameter x over 6" in length	"	600 "	do.	1 0 6	
Bolts, Iron, with Countersunk Head, Square Neck, and Square Nut—						
*4096	1" diameter x 2" in length and under..	"	120 gross	gross	0 6 6	McPherson's Pty. Ltd.
*4097	1" diameter x over 2" in length	"	10 "	do.	0 9 0	
*4098	1" diameter x 2" in length and under	"	5 "	do.	0 8 6	G. F. Sewell Pty. Ltd.
*4099	1" diameter x over 2" in length	"	18 "	do.	0 12 6	
*4100	1" diameter x 3" in length and under..	"	60 "	do.	0 9 6	McPherson's Pty. Ltd.
*4101	1" diameter x 3 1/2" to 6" in length	"	6 "	cwt.	2 17 0	
*4102	1" diameter x over 6" in length	"	3 cwt.	do.	2 3 0	G. F. Sewell Pty. Ltd.
*4103	1" diameter x 3" in length and under..	"	80 "	do.	2 4 0	
*4104	1" diameter x 3 1/2" to 6" in length	"	500 "	do.	1 16 0	McPherson's Pty. Ltd.
*4105	1" diameter x over 6" in length	"	70 "	do.	1 12 0	
*4106	1" diameter x 3" in length and under..	"	2 "	do.	1 18 6	G. F. Sewell Pty. Ltd.
*4107	1" diameter x 3 1/2" to 6" in length	"	12 "	do.	1 11 0	
*4108	1" diameter x over 6" in length	"	40 "	do.	1 8 0	McPherson's Pty. Ltd.
*4109	1" diameter, 7/8", and 1" x 3" in length and over..	"	1 "	do.	1 9 6	
*4110	1" diameter x 1 1/2", Slotted Heads, Round Necks, and Pinholes	"	2 "	do.	4 10 0	
Bolts, Iron, with Countersunk Head, Square Neck, and Hexagon Nut—						
*4111	1" diameter x 2" in length and under..	"	120 gross	gross	0 7 0	McPherson's Pty. Ltd.
*4112	1" diameter x over 2" in length	"	10 "	do.	0 9 6	
*4113	1" diameter x 2" in length and under	"	5 "	do.	0 9 6	G. F. Sewell Pty. Ltd.
*4114	1" diameter x over 2" in length	"	18 "	do.	0 13 6	
*4115	1" diameter x 3" in length and under..	"	60 "	do.	0 10 0	McPherson's Pty. Ltd.
*4116	1" diameter x 3 1/2" to 6" in length	"	6 "	cwt.	2 17 6	
*4117	1" diameter x over 6" in length	"	3 cwt.	do.	2 5 0	G. F. Sewell Pty. Ltd.
*4118	1" diameter x 3" in length and under..	"	80 "	do.	2 5 0	
*4119	1" diameter x 3 1/2" to 6" in length	"	500 "	do.	1 17 0	McPherson's Pty. Ltd.
*4120	1" diameter x over 6" in length	"	70 "	do.	1 12 6	
*4121	1" diameter x 3" in length and under..	"	2 "	do.	1 19 0	G. F. Sewell Pty. Ltd.
*4122	1" diameter x 3 1/2" to 6" in length	"	12 "	do.	1 11 6	
*4123	1" diameter x over 6" in length	"	40 "	do.	1 8 0	McPherson's Pty. Ltd.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
BOLTS AND NUTS—continued.						
	Bolts, Iron, with Countersunk Head, Square Neck, and Hexagon Nut— <i>continued.</i>					
*4124	$\frac{3}{4}$ ", $\frac{7}{8}$ ", and 1" x 3" in length and over..	Aust.	1 cwt.	cwt.	1 10 0	G. F. Sewell Pty. Ltd.
*4125	$\frac{1}{2}$ " diameter x $1\frac{3}{4}$ ", Slotted Heads, Round Necks, and Pinholes	"	2 "	do.	4 6 0	McPherson's Pty. Ltd.
	Bolts, Iron, with Hexagon Head and two Hexagon Nuts—					
*4126	$9\frac{1}{2}$ " x $\frac{5}{8}$ "	"	2 "	do.	1 12 0	} McPherson's Pty. Ltd.
	Bolts, Iron, with Hexagon Head and screwed up to the Neck if required, irrespective of whether the sample is so screwed, Hexagon Nuts—					
*4127	$2\frac{1}{4}$ " x $\frac{5}{8}$ ", with two Nuts	"	200 "	do.	2 7 0	
*4128	$2\frac{3}{8}$ " x $\frac{5}{8}$ ", with two Nuts	"	8 "	do.	2 2 0	
*4129	$3\frac{1}{2}$ " x $\frac{5}{8}$ ", with two Nuts and Pinhole ..	"	10 "	do.	2 7 0	
*4130	$3\frac{1}{4}$ " x $\frac{5}{8}$ ", with two Nuts and Pinhole ..	"	5 "	do.	2 7 0	
*4131	$4\frac{1}{4}$ " x $\frac{5}{8}$ ", with two Nuts	"	25 "	do.	2 1 0	
*4132	$5\frac{3}{4}$ " x 1", with two Nuts, Pinhole, and Reducing Points	"	8 "	do.	1 18 0	
	Bolts, Iron, T Head, with Hexagon Nut—					
*4133	$1\frac{1}{4}$ " x $\frac{1}{2}$ "	"	50 "	do.	3 8 0	} G. F. Sewell Pty. Ltd.
*4134	$2\frac{1}{2}$ " x $\frac{1}{2}$ "	"	30 "	do.	3 5 0	
*4135	$2\frac{1}{4}$ " x $\frac{1}{2}$ "	"	6 "	do.	3 4 0	} McPherson's Pty. Ltd.
*4136	$2\frac{1}{2}$ " x $\frac{1}{2}$ "	"	2 "	do.	3 3 0	
*4137	$3\frac{1}{2}$ " x $\frac{1}{2}$ "	"	5 "	do.	3 0 0	
*4138	$5\frac{3}{4}$ " x $\frac{1}{2}$ "	"	5 "	do.	2 2 0	
	Bolts and Nuts—					
*4139	T Headed, $\frac{3}{8}$ " diameter, 6" in length and over, as ordered	"	10 "	do.	3 8 0	} G. F. Sewell Pty. Ltd.
*4140	Bed, $\frac{1}{2}$ " or $\frac{5}{8}$ " diameter x 6" to 12" in length, as ordered	"	2 "	do.	2 0 0	
*4141	Cheese Head, Square Neck and Nut, $\frac{1}{4}$ " diameter x 6" to 12" in length, as ordered	"	2 "	do.	1 18 0	} G. F. Sewell Pty. Ltd.
*4142	Countersunk Head, Nibbed Neck, Hexagon Nut, $1\frac{1}{4}$ " x $\frac{1}{4}$ "	"	50 gross	gross	0 9 6	
	Bolts and Nuts, Steel, with Hexagon Head and Nut—					
*4143	$\frac{7}{8}$ " diameter x 10" in length and under ..	"	2 cwt.	cwt.	1 9 0	} G. F. Sewell Pty. Ltd.
*4144	1" diameter x over 10" up to 15" in length, as ordered	"	10 "	do.	1 8 0	
	Bolts and Nuts, Steel, with Cup Head, Oval Neck, and Hexagon Nut—					
*4145	1" diameter x 5" up to 12" in length, as ordered	"	5 "	do.	1 12 0	} McPherson's Pty. Ltd.
	Nuts—					
4146	Hexagon, 1"	"	20 "	do.	1 19 6	}
4147	" 1 $\frac{1}{2}$ "	"	10 "	do.	1 19 6	
4148	} Nil					
to						
4152						

WASHERS AND RIVETS (Iron and Steel).

As regards the contract with G. F. Sewell Pty. Ltd., in the event of there being any decrease in the working hours due to Arbitration Court Award or any increase or decrease in the price of Broken Hill Pty. Co.'s material during the currency of the contract, the rates shall be subject to adjustment by mutual arrangement between the Chief Storekeeper and the Contractor.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
Washers, Iron, Round, with round hole—						
4153	1" x $\frac{1}{8}$ " x $\frac{5}{16}$ "	Aust.	10 cwt.	cwt.	3 0 0	} A. J. Read
4154	1" x $\frac{1}{8}$ " x $\frac{3}{16}$ "	"	10 "	do.	2 10 0	
4155	$1\frac{1}{8}$ " x $\frac{1}{8}$ " x $\frac{7}{16}$ "	"	10 "	do.	2 18 0	} G. F. Sewell Pty. Ltd.
4156	$1\frac{1}{8}$ " x $\frac{1}{8}$ " x $\frac{9}{16}$ "	"	40 "	do.	2 10 0	
4157	$1\frac{1}{4}$ " x $\frac{1}{8}$ " x $\frac{9}{16}$ "	"	10 "	do.	2 14 0	} G. F. Sewell Pty. Ltd.
4158	$1\frac{1}{4}$ " x $\frac{1}{8}$ " x $\frac{11}{16}$ "	U.K.	60 "	do.	1 6 6	
4159	$1\frac{1}{8}$ " x $\frac{1}{8}$ " x $\frac{7}{16}$ "	Aust.	10 "	do.	2 10 0	} A. J. Read
4160	$1\frac{1}{8}$ " x $\frac{1}{8}$ " x $\frac{9}{16}$ "	"	5 "	do.	2 2 0	
4161	$1\frac{1}{8}$ " x $\frac{1}{8}$ " x $\frac{11}{16}$ "	"	5 "	do.	2 10 0	} E. Duckett & Sons
4162	$1\frac{1}{2}$ " x $\frac{1}{8}$ " x $\frac{11}{16}$ "	U.K.	100 "	do.	1 6 6	
4163	$1\frac{3}{4}$ " x $\frac{1}{8}$ " x $\frac{11}{16}$ "	Aust.	5 "	do.	2 7 6	} A. J. Read
4164	$1\frac{3}{4}$ " x $\frac{1}{8}$ " x $\frac{13}{16}$ "	U.K.	140 "	do.	1 6 6	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
<i>WASHERS AND RIVETS—continued.</i>						
<i>Washers, Iron, Round, with round hole—</i>						
4165	2" x 1/16" x 1 1/8"	Aust.	5 cwt.	cwt.	2 7 6	A. J. Read
4166	2" x 1/8" x 1 1/8"	U.K.	40 "	do.	1 6 6	E. Duckett & Sons
4167	2 1/4" x 1/16" x 1 1/8"	Aust.	5 "	do.	2 7 6	A. J. Read
4168	2 1/4" x 1/8" x 1 1/8"	U.K.	20 "	do.	1 6 6	E. Duckett & Sons
4169	2 1/4" x 1/16" x 1 3/8"	Aust.	5 "	do.	2 7 6	A. J. Read
4170	2 1/4" x 1/8" x 1 3/8"	U.K.	10 "	do.	1 6 6	E. Duckett & Sons
4171	2 1/4" x 1/16" x 1 5/8"	Aust.	5 "	do.	2 7 6	A. J. Read
4172	2 1/4" x 1/8" x 1 5/8"	U.K.	10 "	do.	1 6 6	E. Duckett & Sons
4173	2 1/2" x 1/16" x 1 7/8"	Aust.	5 "	do.	2 7 6	A. J. Read
4174	2 1/2" x 1/8" x 1 7/8"	"	5 "	do.	2 0 0	
4175	2 1/2" x 1/16" x 1 7/8"	"	5 "	do.	2 7 6	
4176	2 1/2" x 1/8" x 1 7/8"	"	5 "	do.	2 0 0	
4177	2 3/4" x 1/16" x 1 9/8"	"	5 "	do.	2 7 6	
4178	2 3/4" x 1/8" x 1 9/8"	"	5 "	do.	2 0 0	
4179	2 3/4" x 1/16" x 1 9/8"	"	5 "	do.	2 0 0	
4180	2 3/4" x 1/8" x 1 9/8"	"	5 "	do.	2 0 0	
4181	4" x 1/8" x 2 1/8"	"	5 "	do.	2 0 0	
<i>Washers, Iron, Square, with round hole—</i>						
4182	2" x 2" x 1/4" x 1/16"	"	10 "	do.	1 6 0	McPherson's Pty. Ltd.
4183	2" x 2" x 1/4" x 1/16"	"	20 "	do.	1 6 0	
4184	2" x 2" x 1/4" x 1/16"	"	60 "	do.	1 6 0	
4185	2" x 2" x 1/4" x 1/16"	"	10 "	do.	1 6 0	
4186	2 1/2" x 2 1/2" x 1/4" x 1/16"	"	60 "	do.	1 4 0	
4187	2 1/2" x 2 1/2" x 1/4" x 1/16"	"	100 "	do.	1 4 0	G. F. Sewell Pty. Ltd.
4188	2 1/2" x 2 1/2" x 1/4" x 1/16"	"	20 "	do.	1 4 0	
4189	2 1/2" x 2 1/2" x 1/4" x 1/16"	"	5 "	do.	1 4 0	
4190	3" x 3" x 1/4" x 1/16"	"	5 "	do.	1 3 6	
4191	3" x 3" x 1/4" x 1/16"	"	15 "	do.	1 3 6	
4192	3" x 3" x 1/4" x 1/16"	"	60 "	do.	1 3 6	McPherson's Pty. Ltd.
4193	3" x 3" x 1/4" x 1/16"	"	100 "	do.	1 3 6	
4194	3" x 3" x 1/4" x 1/16"	"	10 "	do.	1 3 6	
4195	3" x 3" x 1/4" x 1/16"	"	5 "	do.	1 3 0	
4196	3" x 3" x 1/4" x 1/16"	"	40 "	do.	1 3 0	
4197	3" x 3" x 1/4" x 1/16"	"	40 "	do.	1 3 0	E. P. Bevan & Son Pty. Ltd.
4198	3" x 3" x 1/4" x 1/16"	"	5 "	do.	1 3 0	
4199	3" x 3" x 1/4" x 1/16"	"	40 "	do.	1 3 0	
4200	3 1/2" x 3 1/2" x 3/8" x 1/16"	"	10 "	do.	1 3 0	
4201	3 1/2" x 3 1/2" x 3/8" x 1/16"	"	5 "	do.	1 3 0	
<i>Washers, Spring Steel, Round—</i>						
4202	3/8" x 1/16" square section	U.K.	5 gross	gross	0 1 1 1/2	E. P. Bevan & Son Pty. Ltd.
4202A	1/16" x 3/16" "	"	5 "	do.	0 1 3 1/2	
4203	1/8" x 1/8" "	"	120 "	do.	0 1 5	
4203A	1/8" x 1/8" "	"	250 "	do.	0 2 1 1/2	
4204	3/4" x 3/16" "	"	150 "	do.	0 3 6	
4204A	3/4" x 3/16" "	"	100 "	do.	..	Nil
4205	1/16" x 3/16" "	"	40 "	do.	..	Nil
4205A	7/8" x 1/16" "	U.K.	60 "	do.	0 4 8	E. P. Bevan & Son Pty. Ltd.
4206	1/16" x 3/16" "	"	10 "	do.	..	Nil
4206A	1" x 3/4" "	U.K.	10 "	do.	0 5 3	E. P. Bevan & Son Pty. Ltd.
4206B	1 1/16" x 3/16" "	"	8 "	do.	..	Nil
<i>Rivets, Mild Steel, Pan Head—</i>						
4207	1/2" x 3/8" "	Aust.	2 cwt.	cwt.	1 16 0	James Walker
4208	1/2" x 3/8" "	"	10 "	do.	2 3 6	
4209	3/8" x 1/2" "	"	15 "	do.	1 19 0	E. Duckett & Sons
4210	3/8" x 1/2" "	U.K.	20 "	do.	1 12 6	
4211	3/8" x 1/2" "	"	40 "	do.	1 12 6	McPherson's Pty. Ltd.
4212	3/8" x 1/2" "	Aust.	20 "	do.	1 11 0	
4213	3/8" x 1/2" "	U.K.	15 "	do.	1 16 6	E. Duckett & Sons
4214	7/8" x 3/4" "	"	80 "	do.	1 12 6	McPherson's Pty. Ltd.
4215	7/8" x 3/4" "	Aust.	20 "	do.	1 10 0	
4216	7/8" x 3/4" "	U.K.	50 "	do.	1 12 6	E. Duckett & Sons
4217	1" x 3/4" "	Aust.	20 "	do.	1 9 0	McPherson's Pty. Ltd.
4218	1 1/4" x 1" "	"	20 "	do.	1 8 0	E. Duckett & Sons
4219	1 1/4" x 1" "	U.K.	40 "	do.	1 12 6	
4220	1 1/4" x 1" "	Aust.	2 "	do.	1 19 0	James Walker.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	

WASHERS AND RIVETS—continued.

Rivets, Mild Steel, Pan Head—									
4221	1 1/2" x 1/2"	Aust.	5 cwt.	cwt.	1	8	0	} McPherson's Pty. Ltd.
4222	1 3/8" x 1/2"	.. .. .	"	5 "	do.	1	8	0
4223	1 1/2" x 3/4"	"	2 "	do.	1	19	0	} James Walker
4224	1 1/2" x 1/2"	.. .. .	"	5 "	do.	1	8	0
4225	1 3/8" x 1/2"	"	5 "	do.	1	8	0	} McPherson's Pty. Ltd.
4226	1 3/8" x 3/4"	.. .. .	"	5 "	do.	1	8	0
4227	1 3/8" x 3/4"	"	2 "	do.	1	2	0	} McPherson's Pty. Ltd.
4228	2" x 1/2"	.. .. .	"	1 "	do.	1	8	0
4229	2" x 3/4"	"	1 "	do.	1	4	0	} G. F. Sewell Pty. Ltd.
4230	2" x 1/2"	.. .. .	"	1 "	do.	1	1	6
4231	2 1/2" x 1/2"	"	1 "	do.	1	3	0	} G. F. Sewell Pty. Ltd.
4232	2 1/2" x 5/8"	.. .. .	"	1 "	do.	1	4	0
4233	2 1/2" x 3/4"	"	1 "	do.	1	1	6	} G. F. Sewell Pty. Ltd.
4234	2 3/4" x 3/4"	.. .. .	"	1 "	do.	1	1	6
4235	3" x 1/2"	"	1 "	do.	1	8	0	} G. F. Sewell Pty. Ltd.
4236	3" x 3/4"	.. .. .	"	1 "	do.	1	1	6
4237	3" x 7/8"	"	1 "	do.	1	1	6	} G. F. Sewell Pty. Ltd.
4238	3 1/2" x 1/2"	.. .. .	"	1 "	do.	1	1	6
4239	4" x 7/8"	"	1 "	do.	1	1	6	} G. F. Sewell Pty. Ltd.
4240	5" x 7/8"	.. .. .	"	1 "	do.	1	1	6
Rivets, Mild Steel, Snap Head—									
4241	1" x 3/4"	"	20 "	do.	1	3	0	} McPherson's Pty. Ltd.
4242	1 1/4" x 3/4"	.. .. .	"	20 "	do.	1	2	6
4243	1 1/2" x 3/4"	.. .. .	"	20 "	do.	1	2	0
4244	1 3/4" x 3/4"	.. .. .	"	20 "	do.	1	2	0
4245	2" x 3/4"	.. .. .	"	20 "	do.	1	1	0
4246	2 1/4" x 3/4"	.. .. .	"	20 "	do.	1	1	0
4247	2 1/2" x 3/4"	.. .. .	"	20 "	do.	1	1	0
4248	2 3/4" x 3/4"	.. .. .	"	20 "	do.	1	1	0
4249	3" x 3/4"	.. .. .	"	20 "	do.	1	1	0
4250	3 1/4" x 3/4"	.. .. .	"	20 "	do.	1	1	0
4251	3 1/2" x 3/4"	.. .. .	"	20 "	do.	1	1	0
4252	4" x 3/4"	.. .. .	"	20 "	do.	1	1	0
4253	} Nil.								
to									
4256									

FIREPROOF SAFES.

The outside measurements of the Fireproof Safes to be supplied shall be 24" x 18" x 18", and the inside measurements 18" x 12" x 12". The outer casing shall be made of No. 10 B.W.G. Mild Steel, and the inner casing of No. 14 B.W.G. Mild Steel, and the door from 1/2-in. Mild Steel Plate. The door shall be provided with an approved six-lever brass lock, fully protected by an undrillable steel plate not less than 1/2 inch thick. Duplicate keys shall be provided with each safe.

Approved fireproof packing shall be used in the manufacture of the Safe, and before fireproofing is packed in Safe the outside of the inner casing and inside of outer casing shall be painted with an approved rust-resisting compound.

The Safes will be inspected during manufacture by the Workshops Manager, Arden-street, North Melbourne, or his representative, and are not to be closed until instructed by him.

4257	Safes, Fireproof, 18" x 12" x 12", inside measurement	Aust.	12	each	9	9	0	J. L. Kelly
4258	Nil.							

ELECTRICAL FITTINGS.

The British General Electric Co. Ltd., Australian General Electric Co. Ltd., and Lawrence & Hanson Electric Co. Ltd. are to be allowed sufficient time for importation to meet initial orders, or after the estimated requirements have been supplied, if desired by the Contractors.

The Contract with the British General Electric Co. Ltd. is subject to adjustment in the event of there being any alteration in the rate of exchange from 4.86 dollars to the £1 sterling on the date payment is made to its Principals on the c.i.f. value of the American goods, provided documentary evidence is produced. The Corporation to be liable for dumping duty if imposed on any of the items comprised in the Contract with the British General Electric Co. Ltd.

4259	Adaptors, Bayonet, "Bakelite"	U.K.	700	each	0	0	5 3/4	British General Electric Co. Ltd.
4260	Batteries, 3-cell, 7" long, Falk Stadelmann & Co."	"	7,000	do.	0	1	4	Falk Stadelmann & Co. Ltd.

Item No.	Description	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
ELECTRICAL FITTINGS—continued.						
†4261	Batteries, 2-cell, 3.5 volts	U.K.	50	each	0 1 0	Falk, Stadelmann & Co. Ltd.
†4262	Blocks, Base, 9" x 3"	Aust.	350	dozen	0 4 6	A. J. Veall
†4263	" " 6" x 3"	"	2,000	each	0 0 3½	British General Electric Co. Ltd.
†4264	" Switch, 3" diameter, Mission finish ..	"	6,000	do.	0 0 1.4	Australian General Electric Co. Ltd.
4265	Boxes, Junction, 3-way, ¾" screwed ..	U.K.	500	do.	0 0 6	British General Electric Co. Ltd.
†4266	Cloth, Empire, 10 mils	U.S.A.	50 yards	yard	0 1 4¾	
†4267	Compound, Chatterton's	U.K.	28 lb.	lb.	0 2 1	Edison Swan Electric Co. Ltd.
†4268	" Box, Berry's High "Tension" ..	"	1 cwt.	do.	0 0 3½	British General Electric Co. Ltd.
*4269	Connectors, without plugs	"	200	each	0 7 2.4	Lawrence & Hanson Electric Co. Ltd.
Contacts, Knife Switch—						
†4270	30 amp.	Aust.	4 doz.	dozen	1 8 0	Metropolitan Switch-gear Pty. Ltd.
†4271	60 amp.	"	4 "	do.	1 8 10	
†4272	100 amp.	"	4 "	do.	3 0 9	
†4273	Cut-outs (house type), 10 amp.	"	200	each	..	Nil
Ebonite, Sheet—						
†4274	1/16" thick, approx. 7 oz. per sq. foot ..	"	1,400 lb.	sq. ft.	0 1 6½	Dunlop Rubber Co. of Aust. Ltd.
†4274A	1/8" " " 14 oz. per sq. foot ..	"		do.	0 2 2¼	
†4274B	1/8" " " 1 lb. 5 oz. per sq. foot ..	"		do.	0 2 10½	
†4274C	1/8" " " 1 lb. 12 oz. per sq. foot ..	"		do.	0 3 6¼	
†4274D	1/8" " " 2 lb. 3 oz. per sq. foot ..	"		do.	0 4 2	
†4274E	1/8" " " 2 lb. 10 oz. per sq. foot ..	"		do.	0 4 10	
†4274F	1/8" " " 3 lb. 1 oz. per sq. foot ..	"		do.	0 5 5½	
†4274G	1/8" " " 3 lb. 8 oz. per sq. foot ..	"		do.	0 6 2	
†4274H	1/8" " " 3 lb. 15 oz. per sq. foot ..	"		do.	0 7 8	
†4274I	1/8" " " 4 lb. 6 oz. per sq. foot ..	"		do.	0 8 4	
†4274J	1/8" " " 4 lb. 13 oz. per sq. foot ..	"		do.	0 9 0	
†4274K	1/8" " " 5 lb. 4 oz. per sq. foot ..	"		do.	0 9 8	
†4274L	1/8" " " 5 lb. 11 oz. per sq. foot ..	"		do.	0 10 4	
*4274M	1/8" " " 6 lb. 2 oz. per sq. foot ..	"		do.	0 10 11	
†4274N	1/8" " " 6 lb. 9 oz. per sq. foot ..	"		do.	0 11 7	
†4274O	1" " " 7 lb. per sq. foot ..	"		do.	0 12 4	
Ebonite, Rod—						
†4275	1"	U.K.	20 lb.	lb.	0 4 3	Siemens (Aust.) Pty. Ltd.
†4276	1"	"	20 "	do.	0 4 3	
†4277	1"	"	20 "	do.	0 4 3	
†4278	1"	"	20 "	do.	0 4 3	
†4279	1"	"	20 "	do.	0 4 3	
†4280	1" approx. 2½ ft. to 1 lb.	Aust.	20 "	lin. ft.	0 1 5	Dunlop Rubber Co. of Aust. Ltd.
†4281	1¼" " 1½ ft. to 1 lb.	"	20 "	do.	0 1 8½	
†4282	1½" " 1¾ ft. to 1 lb.	"	20 "	do.	0 2 1	
†4283	2" " 7 in. to 1 lb.	"	20 "	do.	0 3 3½	
Perodo Bonded Asbestos—						
4284	Up to and including 3/8" in thickness and not exceeding 4" in width, as ordered ..	"	100 "	lb.	..	Nil
4285	3/8" thick by more than 4" in width or any thickness above 3/8" by any width as ordered ..	"		do.	..	
†4286	Fibre, Red, Sheet, 3/4" "Diamond Fibre Co." ..	U.S.A.	900 "	do.	0 1 8¾	British General Electric Co. Ltd.
†4286A	" " " 7/8" "Diamond Fibre Co." ..	"		do.	0 1 10¾	
†4286B	" " " 1" "Diamond Fibre Co." ..	"		do.	0 2 1	
†4286C	" " " 1¼" "Diamond Fibre Co." ..	"		do.	0 2 6	
†4286D	" " " 1½" "Diamond Fibre Co." ..	"		do.	0 2 9½	
†4287	" Grey, Sheet, 1/16" to 3/8" thick, as ordered "Diamond Fibre Co." ..	"	2,500 "	do.	0 1 4	
†4288	" " " 1/2" "Diamond Fibre Co." ..	"		do.	0 1 7½	
Fibre, Red, Rod—"Diamond Fibre Co."						
†4289	1/8"	"	280 "	do.	0 10 0	British General Electric Co. Ltd.
†4290	1/4"	"		do.	0 6 6	
†4291	1/2"	"		do.	0 5 9	
†4292	3/4"	"		do.	0 5 5	
†4293	1"	"		do.	0 5 7	
†4294	1¼"	"		do.	0 7 3	
†4295	1½"	"		do.	0 10 0	
†4296	2"	"		do.	1 8 6	
†4297	2½"	"		do.	..	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.	
					£ s. d.		
ELECTRICAL FITTINGS—continued.							
*4298	Fingers, Control (drop forged copper)— ¾", double hole	Aust.	2 gross	gross	0 1 7½	Metropolitan Switch-gear Pty. Ltd.	
*4299	1", double hole	"	2 "	do.	0 1 9		
*4300	1", single hole	"	2 "	do.	0 1 10		
†4301	Fuses, Ironclad type— 15 amp., 250 volt, "Kantark" M.E.M. ..	U.K.	140	each	0 2 1	Noyes Bros. (Melb.) Pty. Ltd.	
†4302	15 amp., 500 volt, "Kantark," 1159 F.M.E.M. ..	"		do.	0 3 2		
†4303	30 amp., 500 volt, M.E.M., 1160 F. ..	"		140	do.	0 3 9	Siemens (Aust.) Pty. Ltd.
†4304	60 amp., 500 volt., cat., 1161 F. M.E.M. ..	"		24	do.	0 9 2	Australian General Electric Co. Ltd.
†4305	Fuses, Factory type, with bases— 3 amp.	"	4,000	each	..	Nil	
†4306	5 amp., "Kantark," 210 P.	U.K.	500	do.	0 1 8	Noyes Bros. (Melb.) Pty. Ltd.	
†4307	15 amp. " 210 P.	"	1,600	do.	0 1 8		
†4308	30 amp. " 220 P.	"	120	dozen	1 3 6	Warburton, Franki (Melb.) Ltd.	
†4309	Fuses, Factory type, without bases, 100 amp.	"	100	do.	..	Nil	
Fuses, Cartridge—							
†4310	½ amp.	"	500	do.	..		
†4311	2 amp., 250 volt	"	250	do.	..		
†4312	4 amp., 250 volt	"	200	do.	..		
†4313	6 amp., 250 volt	"	600	do.	..		
†4314	8 amp.	"	3,000	do.	..		
†4315	10 amp., 250 volt	Germany	500	each	0 0 6		Scott & Co. (Aust.) Pty. Ltd.
†4316	12 amp.	"	140	do.	..		Nil
†4317	15 amp., 250 volt	Germany	1,000	do.	0 0 6		Scott & Co. (Aust.) Pty. Ltd.
†4318	20 amp., 250 volt	"	70	do.	0 0 7		Nil
†4319	30 amp., 500 volt, S. 4227A zed	U.K.	70	do.	0 0 11¼	Siemens (Aust.) Pty. Ltd.	
†4320	30 amp., 600 volt	"	..	do.	..	Nil	
†4321	35 amp., 500 volt, S. 4228 zed	U.K.	..	do.	0 0 11¾	Siemens (Aust.) Pty. Ltd.	
†4322	35 amp., 600 volt	"	200	do.	..	Nil	
†4323	50 amp., 500 volt, S. 4229 zed	U.K.	..	do.	0 1 1½	Siemens (Aust.) Pty. Ltd.	
†4324	50 amp., 600 volt	"	24	do.	..	Nil	
†4325	60 amp., 500 volt, S. 4230 zed	U.K.	..	do.	0 1 3¾	Siemens (Aust.) Pty. Ltd.	
†4326	60 amp., 600 volt	"	70	do.	..	Nil	
†4327	80 amp., 500 volt, S. 4231 zed	U.K.	..	do.	0 3 0	Siemens (Aust.) Pty. Ltd.	
†4328	80 amp., 600 volt	"	70	do.	..	Nil	
†4329	Holder, Portable Hand Lamp	Aust.	350	do.	0 4 10	Lascelles, Parrington Ltd.	
*4330	Holder, E.S. weatherproof porcelain cat. 9366	U.S.A.	250	do.	0 0 8	Australian General Electric Co. Ltd.	
Insulators, Porcelain—							
*4331	Button, 1½" x 1½" x ¾"	Japan	5,000	dozen	0 0 8½		
*4332	Clamp, 1½", G.E. 9236 with 9360 steel clamps	U.S.A.	100	do.	2 4 0		
*4333	" 1½", G.E. 9237 " " " "	"	100	do.	2 9 0		
*4334	" 2", G.E. 9244 " 9359 " "	"	100	do.	3 12 0		
*4335	Cleat, small	Japan	4,000	do.	0 0 10	British General Electric Co. Ltd.	
*4336	High Tension, 6,600 volt, groove top, brown	Aust.	200	do.	1 8 6		
*4337	" " " " shackle, brown	"	20	do.	2 14 0		
*4338	Inlet Tube, 6" x ¾" inside diameter ..	Japan	100	do.	0 3 9		
*4339	Knob, for No. 18 to 6 wire	"	3,250	do.	0 1 7		
*4340	Low Tension, groove top	"	1,000	do.	0 4 9	Edison Swan Electric Co. Ltd.	
*4341	Pole type, small	Aust.	100	each	0 0 5¾	Sunshine Porcelain Pot-teries Pty. Ltd.	
*4342	Shackle, large, 3" x 3½" x ¾"	Japan	4,000	dozen	0 5 2	Australian General Electric Co. Ltd.	
*4343	" small, 2½" x 2" x ¾"	"	4,000	do.	0 2 9	British General Electric Co. Ltd.	
*4344	Straight Line, large, 4"	"	200	do.	0 11 0	Noyes Bros. (Melb.) Pty. Ltd.	
*4345	" " small, 3½"	"	200	do.	0 6 5		
4346	Iron, Stalloy, 18 mils, sheets 6' x 3'	"	7 cwt.	cwt.	..	Nil	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
ELECTRICAL FITTINGS—continued.								
†4347	Leatheroid, 30" x 36"— 5 mils	U.S.A.	60 sheets	lb.	0	1	10 ³ / ₄	British General Electric Co. Ltd.
†4348	10 mils	"		do.	0	1	10 ¹ / ₂	
†4349	15 mils	"		do.	0	1	10 ¹ / ₂	
†4350	20 mils	"		do.	0	1	10 ¹ / ₂	
†4351	24 mils	"		do.	0	1	10 ¹ / ₂	
†4352	30 mils	"		do.	0	1	10 ¹ / ₂	
†4353	35 mils	"		do.	0	1	10 ¹ / ₂	
†4354	40 mils	"	do.	0	1	10 ¹ / ₂		
†4355	Meters, house service, 5 amp., 240 volts, 50 cycles, single phase	..	100	each	..	..	Nil
†4356	Micanite Sheet, approx. 24" x 40" x 15 mils Micanite Sheet, moulding, approx. 24" x 40", Amberoid—	U.K.	10 lb.	lb.	0	3	9	A. L. Campbell & Co. Pty. Ltd.
†4357	15 mils	"	5	do.	0	3	9	
†4358	20 mils	"	5	do.	0	3	9	
†4359	40 mils	"	5	do.	0	3	9	
†4360	Micanite Sheet, Flexible, 40" x 40" x 15 mils	Aust.	10	do.	0	3	6	Mica Products Pty. Ltd.
Micanite Tube —								
4361	1/4" diameter inside x 1/2" outside x 3' ..	U.K.	100 feet	foot	0	0	10	British General Electric Co. Ltd.
4362	3/8" diameter inside x 3/4" outside x 3' ..	"		do.	0	0	10 ¹ / ₂	
4363	1/2" diameter inside x 1 1/8" outside ..	Aust.		do.	0	3	0	Mica Products Pty. Ltd.
4364	1 1/8" diameter inside x 1 1/4" outside ..	"		do.	0	2	0	
4365	Square, 1" inside x 1 1/4" outside ..	"		do.	0	4	0	
Mica Sheet, 6" x 4"—								
†4366	Amber Spotted	100 lb.	lb.	1	2	0	W. G. Sleightholm
†4367	Clear	U.K.	40	do.	1	5	0	
4368	Mixture, Dry, Renewal for Edison Battery	U.S.A.	10 cwt.	cwt.	19	12	0	Dane Taylor & Co.
Plugs, Wall—								
†4369	2-pin, 5 amp., "Magnet"	U.K.	2,000	each	0	1	5 ¹ / ₂	British General Electric Co. Ltd.
†4370	2-pin, 10 amp., "Magnet"	"	1,000	do.	0	2	10	
*4371	2-pin, earthing, 5 amp.	100	do.	Nil
*4372	2-pin, earthing, 10 amp.	100	do.
†4373	Plugs, bases only, concentric	U.K.	300	do.	0	2	6	British General Electric Co. Ltd.
†4374	.. and Switches, combined, 5 amp. "Crabtree"	"	100	do.	0	3	9 ¹ / ₂	Lawrence & Hanson Electric Co. Ltd.
Presspahn—								
4375	32" x 24" x 10 mils	U.K.	1,200 sheets	sheet	0	0	5	A. L. Campbell & Co. Pty. Ltd.
4376	32" x 24" x 12 mils	"		do.	0	0	5 ¹ / ₂	
4377	32" x 24" x 14 mils	"		do.	0	0	9	
4378	32" x 24" x 15 mils	"		do.	0	0	9 ¹ / ₂	
4379	32" x 24" x 16 mils	"		do.	0	0	9 ¹ / ₂	
†4380	32" x 24" x 20 mils	"		do.	0	0	9 ¹ / ₂	
4381	32" x 24" x 22 mils	"		do.	0	0	10	
4382	32" x 24" x 24 mils	"		do.	0	0	10	
4383	40" x 26" x 8 mils	"		do.	0	0	4 ¹ / ₂	
4384	40" x 27" x 28 mils	"		do.	0	1	4	
4385	40" x 27" x 32 mils	"		do.	0	1	4	
4386	40" x 27" x 40 mils	"	do.	0	1	8		
*4387	Receptacles, for series lights, cat. 25711 ..	U.S.A.	48	each	0	4	0	Australian General Electric Co. Ltd.
*4388	.. base, E.S.	"	50	do.	0	1	1	Lawrence & Hanson Electric Co. Ltd.
Reflectors, Vitreous Enamelled—								
4389	15", B.C. Holder, "Benjamin No. 4662"	U.K.	100	do.	0	13	2	Noyes Bros. (Melb.) Pty. Ltd.
4390	18", E.S. Holder, "Benjamin No. 4673"	"	50	do.	0	16	1	H. Rowe & Co.
4391	21", Goliath Holder, "Benjamin No. 4685"	"	50	do.	1	12	2	British General Electric Co. Ltd.
4392	Elliptical Angle type, "Benjamin No. 4782"	"	100	do.	0	14	10	Noyes Bros. (Melb.) Pty. Ltd.
Reflectors, Glass, Prismatic, Holophane—								
†4393	No. 2120, with cups	200	do.	1	4	0	Robert Bryce & Co. Pty. Ltd.
4394	.. without cups	"		do.	1	1	6	
4395	No. 2110, with cups	"		do.	0	13	6	
4396	.. without cups	"		do.	0	11	8	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
ELECTRICAL FITTINGS—continued.						
4397	Reflectors, Conical Iron, Vitreous Enamelled, 18" diameter x 1½" hole	U.K.	144	each	0 2 8½	British General Electric Co. Ltd.
†4398	Roses, Ceiling, 2-plate— Vitreous	Germany	3,000	do.	0 0 5	Scott & Co. (Aust.) Pty. Ltd.
*4399	Metal covered, 1-way	Aust.	300	do.	*0 1 3	Noyes Bros. (Melb.) Pty. Ltd.
*4400	" 2-way	"		do.	*0 1 6	
*4401	" 3-way	"		do.	*0 1 9	
*4402	" 4-way	"		do.	*0 2 0	
†4403	Roses, Ceiling, 3-plate— Vitreous	U.K.	50	do.	0 0 7	Australian General Electric Co. Ltd.
*4404	Metal-covered, 1-way	"	100	do.	..	Nil
*4405	" 2-way			do.	..	
*4406	" 3-way			do.	..	
*4407	" 4-way			do.	..	
†4408	Shades, Enamelled Iron, 10" x 1½" hole	U.K.	250	do.	0 0 7½	Lascelles, Parrington Ltd.
†4409	" Opal, 10" x 1½" hole	Japan	800	do.	0 0 9	British General Electric Co. Ltd.
Slabs, Marble, best quality, for Switchboards, polished on one face and edges—						
4410	8" x 6" x ¾" thick	Italy	70	do.	0 1 6	Lascelles, Parrington Ltd.
4411	8½" x 7" x ¾" thick	"	100	do.	0 1 11	
4412	10" x 8" x ¾" thick	"	70	do.	0 2 9	
4413	12" x 10" x ¾" thick	"	30	do.	0 4 3	
4414	24" x 12" x 1¼" thick	"	50	do.	0 18 9	Noyes Bros. (Melb.) Pty. Ltd.
4415	24" x 18" x ¾" thick	"	12	do.	1 1 0	
4416	28" x 25" x 1½" thick	"	12	do.	2 10 0	
4417	31" x 25" x 1½" thick	"	12	do.	2 15 0	
Slabs, Slate—						
4418	12" x 12" x ¾"	"	50	do.	0 5 3	Noyes Bros. (Melb.) Pty. Ltd.
4419	17" x 17" x 1½"	"	20	do.	0 17 6	
4420	22" x 17" x 1½"	"	20	do.	1 6 0	
Sockets—						
†4421	Batten, Bayonet, with shade ring	U.K.	9,000	do.	0 0 6½	Noyes Bros. (Melb.) Pty. Ltd.
†4422	Bayonet, keyless shade carrier, ½"	"	600	do.	0 0 6½	
†4423	" " " ⅝"	"	3,000	do.	0 0 6½	
†4424	" " " and cord grip	"	10,000	do.	0 0 6½	
Switches, Ironclad type, three-pole—						
†4425	15 amp., M.E.M. 315A	"	120	do.	0 7 9	Lascelles, Parrington Ltd.
†4426	25 amp., M.E.M. 30 x 330A	"	10	do.	0 10 0	
†4427	50 amp., M.E.M. 60 x 360A	"	50	do.	0 18 3	
Switches, Double-pole, tumbler, N.P., with square insulated knobs and insulated covers—						
†4428	5 amp. G.E. 986	U.S.A.	390	do.	0 3 0	Australian General Electric Co. Ltd.
†4429	10 amp. G.E. 986	"	250	do.	0 3 0	
†4430	15 amp.	"	60	do.	..	
†4431	20 amp.	"	160	do.	..	
Switches, Single-pole, tumbler—						
†4432	5 amp., A. 0191 Phlatta	U.K.	8,000	do.	0 1 0½	Edison Swan Electric Co. Ltd.
†4433	10 amp., A. 0192, Phlatta	"	600	do.	0 1 11½	
†4434	15 amp.	"	75	do.	..	
†4435	Switches, two-way, 5 amp., A. 0221 Phlatta	U.K.	500	do.	0 1 11¼	Edison Swan Electric Co. Ltd.
†4436	" Ceiling type, 5 amp., 921 Crabtree	"	850	do.	0 2 11¼	Noyes Bros. (Melb.) Pty. Ltd.
†4437	" Bath, Porcelain, 5 amp.	Germany	700	do.	0 1 1	Scott & Co. (Aust.) Pty. Ltd.
Syndanyo (Insulated Sheet), Ebony grade—						
†4438	½"	"	50 lb.	lb.	0 1 5½	Noyes Bros. (Melb.) Pty. Ltd.
†4439	¾"	"		do.	0 1 2¼	
†4440	1"	"		do.	0 1 0½	
†4441	1½"	"		do.	0 0 11	
†4442	1"	"		do.	0 0 10¾	

* Less 20 per cent discount.

Item No.	Description	Country of Manufacture	Estimated Requirements	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
ELECTRICAL FITTINGS—continued.								
	Tape, Adhesive, Black, in rolls of approx. 8 oz. net weight—							
†4443	$\frac{3}{4}$ "	U.K.	1,600 lb.	lb.	0	1	7	W. T. Henley's Telegraph Works Co. Ltd.
†4444	$\frac{3}{4}$ "	"	100 "	do.	0	1	7	
	Tape, Empire, "Irvington Varnish & Ins.Co."							
†4445	$\frac{1}{2}$ "	U.S.A.	40 lb.	lb.	0	3	4	British General Electric Co. Ltd.
†4446	$\frac{3}{4}$ "	"	300 "	do.	0	3	4	
†4447	1"	"	150 "	do.	0	3	4	
†4448	Bias Cut, $1\frac{1}{2}$ " x 15 mils	"	25 "	do.	0	3	4	
†4449	" 1" x 15 mils	"	300 "	do.	0	3	4	
†4450	" $\frac{3}{4}$ " x 7 mils, varnished cambric	"	150 "	do.	0	4	3	
†4451	Tape, Rubber, $\frac{1}{2}$ "	Aust.	100 "	do.	0	6	3	Dunlop Rubber Co. of Aust. Ltd.
	Tubes, Insulator—							
†4452	$2\frac{1}{2}$ " x $\frac{1}{2}$ "	Japan	150	each	0	0	14	British General Electric Co. Ltd.
†4453	Bent, $3\frac{1}{4}$ " x $\frac{5}{8}$ "	"	130	do.	0	0	1-87	Lawrence & Hanson Electric Co. Ltd.
†4454	" 5" x $\frac{3}{4}$ "	"	72	do.	0	0	3	British General Electric Co. Ltd.
4455 } to 4460 }	Nil.							

CONDUIT PIPE AND FITTINGS.

Lawrence and Hanson Elec. Co. Ltd. is to be allowed sufficient time for importation to meet initial orders or after the estimated requirements have been supplied, if desired by the Contractor.

	Pipe, Conduit, Plain, enamelled—							
†4461	$\frac{5}{8}$ "	Aust.	140,000 feet	100 ft.	0	5	11 $\frac{3}{4}$	Noyes Bros. (Melb.) Pty. Ltd.
†4462	$\frac{3}{4}$ "	"	5,000 "	do.	0	8	5 $\frac{3}{4}$	
†4463	1"	"	3,000 "	do.	0	13	8	
†4464	$1\frac{1}{4}$ "	U.K.	2,000 "	do.	0	16	8	Edison Swan Elec. Co. Ltd.
	Pipe, Conduit, Screwed, enamelled—							
†4465	$\frac{5}{8}$ "	"	25,000 "	do.	0	10	11	Noyes Bros. (Melb.) Pty. Ltd.
†4466	$\frac{3}{4}$ "	"	35,000 "	do.	0	14	6	Lascelles, Parrington Ltd.
†4467	1"	"	14,000 "	do.	1	1	6	Noyes Bros. (Melb.) Pty. Ltd.
†4468	$1\frac{1}{4}$ "	"	600 "	do.	1	7	6	Lascelles, Parrington Ltd.
†4469	$1\frac{1}{2}$ "	"	2,000 "	do.	1	17	11	Lawrence & Hanson Elec. Co. Ltd.
†4470	2"	"	2,000 "	do.	2	19	6	Edison Swan Electric Co. Ltd.
	Pipe, Conduit—							
†4471	Plain, $\frac{5}{8}$ ", unenamelled	Aust.	4,000 "	do.	0	5	7	Noyes Bros. (Melb.) Pty. Ltd.
†4472	Screwed, Welded, $1\frac{1}{4}$ ", enamelled	"	3,000 "	do.				Nil
†4473	Welded, $\frac{5}{8}$ ", unenamelled	U.K.	8,000 "	do.	0	10	9	British General Elec. Co. Ltd.
	Fittings, Conduit, Plain, two-piece—							
†4474	Elbows, $\frac{5}{8}$ "	Aust.	40 gross	dozen	0	1	8	G. & D. Manufacturing Co. Pty. Ltd.
†4475	" $\frac{3}{4}$ "	"	3 "	do.	0	2	6	
†4476	" 1"	"	2 "	do.				Nil
†4477	" $1\frac{1}{2}$ "	"	2 "	do.				
†4478	Tees, $\frac{5}{8}$ "	Aust.	15 "	do.	0	2	2	G. & D. Manufacturing Co. Pty. Ltd.
†4479	" $\frac{3}{4}$ "	"	1 "	do.	0	3	0	
†4480	Sleeves, $\frac{5}{8}$ "	"	18 "	do.	0	1	5	
†4481	" $\frac{3}{4}$ "	"	1 "	do.	0	2	2	
	Fittings, Conduit, Plain—							
†4482	Elbows, $\frac{5}{8}$ " "Gripit"	"	75 "	do.	0	1	8	Lascelles, Parrington Ltd.
†4483	" $\frac{3}{4}$ " One-piece	"	4 "	do.	0	2	1	
†4484	" 1" do.	"	2 "	do.	0	3	10	
†4485	" $1\frac{1}{2}$ " do.	U.K.	2 "	do.	1	0	0		British General Elec. Co. Ltd.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
CONDUIT PIPE AND FITTINGS—continued.								
Fittings, Conduit, Plain—continued.								
†4486	Tees, $\frac{5}{8}$ " " Gripit "	Aust.	35 gross	dozen	0	2	2	G. & D. Manufacturing Co. Pty. Ltd. Edison Swan Elec. Co. Ltd.
†4487	" $\frac{3}{4}$ " do.	"	1 "	do.	0	3	0	
†4488	Sleeves, $\frac{5}{8}$ " do.	"	40 "	do.	0	1	5	
†4489	Sleeves, $\frac{3}{4}$ " One-piece	"	1 "	do.	0	1	11	
Fittings, Conduit, Screwed—								
†4490	Bends, $\frac{5}{8}$ "	U.K.	1 "	do.	0	2	11 $\frac{1}{2}$	Noyes Bros. (Melb.) Pty. Ltd.
†4491	" $\frac{3}{4}$ "	"	4 "	do.	0	3	9	
†4492	" 1"	"	1 "	do.	0	5	6	
†4493	" 1 $\frac{1}{4}$ "	"	1 "	do.	0	8	9	
†4494	" 1 $\frac{3}{4}$ "	"	2 "	do.	0	16	3	
†4495	Elbows, $\frac{5}{8}$ "	"	9 "	do.	0	1	8 $\frac{1}{2}$	
†4496	" $\frac{3}{4}$ "	"	10 "	do.	0	2	4 $\frac{1}{2}$	
†4497	" 1", Inspection	"	12 "	do.	0	7	3	Lawrence & Hanson Elec. Co. Ltd. Noyes Bros. (Melb.) Pty. Ltd.
†4498	" 1 $\frac{1}{4}$ ", Inspection	"	1 "	do.	0	12	0	
†4499	" 1 $\frac{3}{4}$ ", Inspection	"	1 "	do.	0	18	0	
†4500	" 2", Inspection	"	1 "	do.	1	9	6	
†4501	Saddles, $\frac{5}{8}$ "	Aust.	300 "	gross	0	1	1	G. & D. Manufacturing Co. Pty. Ltd.
†4502	" $\frac{3}{4}$ "	"	56 "	do.	0	1	4	
†4503	" 1"	"	18 "	dozen	0	0	2 $\frac{1}{2}$	Noyes Bros. (Melb.) Pty. Ltd.
†4504	" 1 $\frac{1}{4}$ "	"	10 "	gross	0	4	3	G. & D. Manufacturing Co. Pty. Ltd.
†4505	" 1 $\frac{3}{4}$ "	"	10 "	dozen	0	0	5 $\frac{3}{4}$	Noyes Bros. (Melb.) Pty. Ltd.
†4506	" 2"	"	1 "	do.	0	0	7 $\frac{3}{4}$	Edison Swan Elec. Co. Ltd.
†4507	Crampets, $\frac{5}{8}$ "	"	7 "	gross	0	1	6	Lawrence & Hanson Elec. Co. Ltd.
†4508	" $\frac{3}{4}$ "	"	10 "	do.	0	2	5	
†4509	Sleeves, $\frac{5}{8}$ "	U.K.	14 "	dozen	0	1	2	Noyes Bros. (Melb.) Pty. Ltd.
†4510	" $\frac{3}{4}$ "	"	2 "	do.	0	1	10 $\frac{1}{2}$	
†4511	" 1"	"	1 "	do.	0	2	3	
†4512	" 1 $\frac{1}{4}$ "	"	1 "	do.	0	4	5	
†4513	" 1 $\frac{3}{4}$ "	"	1 "	do.	0	6	8	
†4514	" 2"	"	1 "	do.	0	10	9	
†4515	Tees, $\frac{3}{4}$ "	Aust.	1 "	do.	0	1	9		British General Elec. Co. Ltd.
†4516	" $\frac{5}{8}$ "	"	2 "	do.	0	3	6	
†4517	" 1" Screwed	U.K.	1 "	do.	0	4	3	Warburton, Franki (Melb.) Ltd.
†4518	" 1 $\frac{1}{4}$ "	"	1 "	do.	0	13	9	Noyes Bros. (Melb.) Pty. Ltd.
†4519	" 1 $\frac{3}{4}$ "	Aust.	1 "	do.	0	17	6	British General Elec. Co. Ltd.
†4520	" 2"	"	1 "	do.	1	6	7	Australian General Elec. Co. Ltd.
Fittings, Conduit, Screwed—								
†4521	Lock Nuts, $\frac{5}{8}$ "	U.K.	2 gross	dozen	0	0	9	Noyes Bros. (Melb.) Pty. Ltd.
†4522	" 1"	Aust.	2 "	do.	0	1	6 $\frac{1}{2}$	British General Elec. Co. Ltd. Lascelles, Parrington Ltd.
†4523	" 1 $\frac{1}{4}$ "	"	2 "	do.	0	1	10	
†4524	" 1 $\frac{3}{4}$ "	"	2 "	do.	0	2	6	

TELEGRAPH AND TELEPHONE MATERIAL. (Items Nos. 4587 to 4589 for one year only.)

SPECIFICATION FOR COPPER TAPES AND BINDERS.—Items Nos. 4623-5 and 4529-32.

The tapes and binders shall be made of pure soft electrolytic copper wire of good quality.

The tapes and binders shall be of the dimensions given in Tables 1 and 2. The binders shall be flattened uniformly at each end.

After rolling, both tapes and binders shall be re-annealed soft and shall be free from scale. The ends of both tapes and binders shall be smooth and free from burrs.

The elongation test will be made by gripping a sample in an elongation machine, and steadily elongating the sample until it breaks. The duration of the test shall be approximately 30 seconds. The elongation shall be measured after fracture, and shall comply with the figures given in Tables 1 and 2.

The tapes and binders shall be supplied in separate bundles of 100 each.

TELEGRAPH AND TELEPHONE MATERIAL—continued.

TABLE 1.
TAPES.—(Items Nos. 4623 to 4625.)

1	2	3	4	5	6	7
Designation.	Approximate Weight per Mile of Wire used for Manufacture.	Length.	Width.	Thickness.	Minimum Elongation per cent. on 5 inches.	Approximate Number to the pound (lb.).
Tapes, Copper, No. 1	lb. 50	inch. 8½	inch. 5/32	inch. 0·014	20	170
Tapes, Copper, No. 2	100	9	⅞	0·024	25	77
Tapes, Copper, No. 3	150	9	¾	0·026	25	53

TABLE 2.
BINDERS.—(Items Nos. 4529 to 4532.)

1	2	3	4	5	6	7	8
Designation.	Length.	Length of middle portion.	Diameter of middle portion variation not to exceed 0·0002 inch.	Width of Flats.	Thickness of Flats.	Minimum Elongation per cent. on the middle 10 inches.	Approximate Number to the pound (lb.).
Binders, Copper, No. 1	inches. 17	inches. 6½	inch. 0·079	inch. 5/32	inch. 0·036	15	37
Binders, Copper, No. 2	17	6½	0·097	⅝	0·048	15	25
Binders, Copper, No. 3	20½	7	0·112	⅞	0·056	20	17
Binders, Copper, No. 4	23	7½	0·158	¾	0·072	20	8

SPECIFICATION FOR COPPER JOINTING SLEEVES.—Items Nos. 4610 to 4612.

The sleeves shall be made of pure soft electrolytic copper.

The sleeves shall conform to the particulars given in the Table.

The sleeves shall be solid drawn, annealed, clean and bright inside, and the ends shall be free from burrs.

Two copper wires of the maximum size shown in Column 2 of the Table will be inserted through the whole length of the sleeve. The sleeve and wire will then be fixed in two close-fitting jointing clamps ½ inch wide, the outer edges of which shall be flush with the ends of the sleeve. These clamps will be revolved in opposite directions, and the sleeves shall withstand without cracking or breaking the specified number of twists shown in Column 6 of the Table.

The Contractor, if required, shall submit not less than ten sleeves of each size for approval before the bulk of the order is proceeded with.

The sleeves shall be supplied neatly packed in boxes, each containing 100 sleeves. Each box shall be labelled to show the quantity and description of the contents.

TABLE.

1	2		3	4	5		6
	Diameter of Wire for which Sleeve is required.				Length of Sleeve.	Thickness of Metal.		Minimum Internal Dimensions.		No. of Twists.
Designation.	Minimum.	Maximum.	Major Axis.	Minor Axis.			
Sleeves, Copper—	inch.	inch.	inch.	inch.	inch.	inch.	
No. 5 (long), for 200-lb. Wire ..	·111	·113	5	·026	·234	·116	6
No. 6 (long), for 150-lb. Wire ..	·096	·098	4½	·022	·204	·101	6
No. 7 (long), for 100-lb. Wire ..	·078	·080	3	·022	·166	·082	5

The tests set out in the Australian Commonwealth Engineering Standards Association Specification Nos. C.3-11, 1925, will be carried out by the Corporation at its Testing Laboratory in Melbourne, and the Contractor will be notified in sufficient time of the intention to carry out such test to enable him or his representative to be present if he so desires.

SPECIFICATION FOR DRY CELLS.—Item No. 4538 and 4538A.

The cells are required for light, intermittent service, such as telephone operation, bell ringing and similar work.

The cells shall be approximately 2½ inches in diameter by 6 inches long and shall be fitted with two screwed brass terminals fixed in an approved manner to the electrodes.

The Tenderer must submit with his tender two sample cells.

The sample cells or any cells delivered by the Contractor may be tested in the following manner:—

Cells will be discharged at a constant current of 20 milliamperes for 6 hours per day and 5 days per week, until the voltage of the cells on open circuit falls below 1 volt or the internal resistance (measured by approved method) exceeds 2 ohms.

At this rate of discharge the capacity of the cells must not be less than 35 watt hours.

Any of the cells delivered may be subjected to the following further tests:—

- The open circuit voltage will be measured on a voltmeter of approved pattern having a resistance of not less than 100 ohms. The voltage measured in this way shall not be less than 1·45 in the case of a new cell.
- The current output at the expiration of one minute will be measured through a resistance of 3 ohms, including the resistance of the meter. It shall not be less than 450 milliamperes in the case of a new cell.

The readings of current and voltage after the cells have been stored for two years shall not fall more than 20 per cent. below guarantees for new cells.

Should five per cent. of the cells delivered fail to comply with the requirements of the Specification or with the guarantees as to voltages and current referred to above, the whole consignment may be rejected.

TELEGRAPH AND TELEPHONE MATERIAL—*continued.*SPECIFICATION FOR CARTRIDGE FUSES, 250 VOLTS, 0-30 AMPERES.—*Items Nos. 4561 to 4570.*

Fuses shall be 2 inches long and $\frac{3}{8}$ inch diameter across the ferrules. They shall be constructed to fit in standard fuse clip.

Fuse wire shall be well soldered to brass ferrules. Brass ferrules shall be firmly attached to cartridge.

Fuses shall be so constructed that—

- (a) With an atmospheric temperature of 24° C. they will carry indefinitely 110 per cent. current without causing the tubes to char or externally visible soldering connexions to melt.
- (b) With atmospheric temperature between 18° C. and 32° C. fuses shall, starting cold, blow on 150 per cent. current without causing the tubes to char or soldered connexions to melt within the following specified time :—For 0-30 amperes—1 minute.

Rating of fuse shall be plainly stamped on cartridge. Cartridge shall have a label, the colour of which shall be green for 250 volts, on which shall be marked the name of the manufacturer and the rating of the fuse.

SPECIFICATION FOR PORCELAIN INSULATORS.—*Items Nos. 4576 and 4577.*

The term "parcel" shall mean any quantity of finished insulators presented for examination and test at any one time.

The drawing referred to in this Contract is Victorian Railways A.405.

The insulators shall be made of highly vitrified glazed porcelain.

The insulators shall be glazed all over excepting the thread and the head or the edge of the outer petticoat, which may be left unglazed.

The insulators shall be in accordance with the drawing referred to, and this drawing shall form a part of this Specification. The Receiving Officer shall have the right to measure any number of insulators in any parcel.

The insulators and the glazing shall be free from cracks, blow holes, nodules, excrescences, or other defects. They shall be uniform in texture throughout, non-porous, with smooth exterior and interior surfaces, and shall be finished in accordance with the best commercial practice.

The thread shall be in accordance with the drawing referred to, well centered, smooth, of uniform pitch, and such that the standard gauge shown in the drawing can be easily screwed into the insulator up to the crown. When in position on the specified standard gauge the insulator shall not be noticeably loose nor show a perceptible amount of play or rocking.

Any number of insulators from any parcel may be tested in the following manner :—

The insulator shall be inverted and immersed in acidulated water to within a quarter of an inch of the lip of the outer petticoat, and filled with acidulated water to within a quarter of an inch on both sides of the lip of the inner petticoat.

While so immersed, and after 72 hours' immersion, each insulator shall be tested with an electro-motive force of 400 volts, and shall have an insulation resistance of 100,000 megohms in the case of No. 1 insulator and 10,000 megohms in the case of No. 2 insulator.

The Receiving Officer may test any number of insulators from any parcel. If after the examination and testing of any parcel of insulators, five (5) per centum out of any such insulators do not meet the requirements of this Specification, the whole parcel shall be rejected, and no such parcel or any part thereof shall on any account be again presented for examination and testing; and this stipulation shall be deemed to be and treated as an essential condition of the Contract.

The insulators shall be delivered securely and properly packed in good, strong cases, each containing 100 insulators. Each case shall be branded with the Order No. and contents.

SPECIFICATION FOR 12-VOLT AND 6-VOLT 2½-WATT SIGNAL LAMPS.—*Items Nos. 4587 and 4588.*

Bulk must not exceed the following dimensions :—

Box of lamp to tip of bulb—3½ inches.

Diameter of bulb—2⅜ inches.

Centre of filament must be between 2¼ inches and 2⅝ inches above box of lamp.

Edison medium screw base to be provided.

SPECIFICATION FOR No. 2 POROUS POTS.—*Item No. 4602.*

Carbon plate to be of best carbon and to reach the bottom of pot.

Brass terminal to be fixed to top of carbon in approved manner so as not to become loose or detached in service.

Contents of cell to be not less than 350 grams and to consist of equal parts of manganese dioxide and crushed carbon

Particles must be of a uniform size and intimately mixed.

The tops of the porous pots must be sealed up in the usual manner with best pitch to a thickness of $\frac{3}{8}$ inch and perforated by a tube to allow the escape of gases generated in the cell.

The tops of the cells complete (excepting only the terminal) to be dipped into a mixture of paraffin wax and ozokerite to within half an inch below the top of the porous pot.

Maker's name to be branded on porous pot.

Tenderers must submit with their tenders (2) sample pots for testing purposes.

Pots must be sufficiently porous to pass the following tests :—Pots shall be filled with water to a depth of 4½ inches and water maintained at this level for 24 hours with suitable precautions against evaporation. At the end of this period not less than 25 cubic centimeters of water shall have passed through the pot.

MOUTHPIECES.—*Items Nos. 4590 and 4591.*

All mouthpieces must be of the metal thread type.

** As regards Item No. 4538, two tenders have been accepted. A trial order is to be placed on Nulife Manufacturing Co., but until it has been proved that Dry Cells manufactured by that Company are satisfactory, further orders are not to be placed.

After it has been established that "Nulife" Cells are satisfactory, the business should as far as possible be equally divided, always provided that "Widdis" Cells give satisfaction.

The "Widdis" Cells are to be tested at the Company's works before delivery, provided such test is made within eight working hours of advice that the Cells are ready for despatch.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	

TELEGRAPH AND TELEPHONE MATERIAL—*continued.*

The test to which the Cells are to be submitted are—

- (a) voltage test,
- (b) discharge in milliamps through a known resistance.

Such inspection and tests shall not preclude the Department from rejection if not delivered in good order and condition, or otherwise satisfactory.

Lawrence & Hanson Electric Co. Ltd. and The British General Electric Co. Ltd. are to be allowed sufficient time to import stocks to meet initial orders, or after the estimated requirements have been supplied, should the Company so desire it.

As regards Item No. 4546, C. R. Foster is entitled to a certificate that the Condensors have been used in connexion with telephones if required for Customs purposes.

* As regards Items Nos. 4530, 4531, 4624, and 4625, the rates are based on the price of £63 2s. 6d. per ton for E.C. Wire Bars, and are to be varied up or down by one-tenth of a penny per lb. of copper for each complete 17s. 6d., or part thereof, by which the price of Wire Bars published in the *Argus* on the date of receipt of an order is greater than £63 4s. 11d. per ton, or less than £62 7s. 6d. per ton respectively. If no price of Wire Bars is published on any day, the price last published earlier shall apply.

Delivery of the Tapes and Binders will be made in about five weeks after receipt of order, but in the case of extreme urgency the Company undertakes to deliver within two/three weeks.

As regards Item No. 4609, the Rods to be supplied are of a modified type in which the eye is electrically welded.

As regards Item No. 4560, the rate quoted includes the cost of altering the fitting to suit requirements if necessary.

As regards Items Nos. 4535, 4553, and 4554, time for delivery is to be allowed, viz., six months.

As regards Items Nos. 4530 and 4531, Copper Binders, and Items 4624 and 4625, Copper Tapes, arrangements are to be made at the time of placing of orders for inspection to be conducted by the Permanent Testing Officer of the Postmaster-General's Department, resident at Port Kembla, and to forward certificate of inspection quoting the Order No. to the Chief Storekeeper.

A copy of each order and such other information as is called for should be forwarded to the State Engineer of the Postal Department, Sydney, N.S.W., with a request that this be done at the Department's expense, simultaneously with the placing of an order.

	Bells, Extension, Magneto type, mounted—							
†4525	2,500 ohms	Aust.	50	each	1 6 0	C. R. Foster		
†4526	1,000 ohms	U.K.	150	do.	0 17 6		British General Electric Co. Ltd.	
	Bells, Extension, 1,000 ohms, 20, 30, 42, 54, and 66 cycles, 8 of each—							
†4527	Mounted	U.S.A.	40	do.	1 11 6	Alfred Harvey Pty. Ltd.		
†4528	Unmounted	40	do.	..			
	Binders, Copper, to Specification—					Nil		
4529	No. 1 .. .. .	..	Nil	lb.	..	British Insulated Cables Ltd.		
*4530	No. 2	Aust.	12,000	do.	0 1 6.8			
*4531	No. 3 .. .. .	..	30,000	do.	0 1 5.8			
4532	No. 4 .. .. .	..	Nil	do.	..			
†4533	Buzzers, Bell, 2½ x 2½, Dixie cat. 725 ..	U.S.A.	100	each	0 2 5½	Australian General Electric Co. Ltd.		
†4534	Calling Devices for Auto. Telephones ..	..	40	do.	0 19 10	Automatic Telephones Ltd.		
*4535	Caps, Ebonite, for Auto. Coy's. Receivers ..	..	144	do.	0 1 4			
*4536	Cases, Ebonite, for W.E. Receivers .. .. .	..	288	do.	0 2 0	C. R. Foster		
*4537	.. .. for Kellog Receivers .. .. .	..	144	do.	0 3 6	Alfred Harvey Pty. Ltd.		
†4538	Cells, Dry, to specification	Aust.	15,000	do.	0 1 6	Widdis Diamond Dry Cells Pty. Ltd.		
†4538A	Cells, Dry, to specification .. .. .	..		do.	0 1 6	Nulife Manufacturing Co.**		
*4539	.. Glass, Leclanche Batteries	U.K.	2,000	do.	0 0 4½	Siemens (Aust.) Pty. Ltd.		
	Coils, Induction—							
†4540	Standard Magneto type, 28 C.	U.S.A.	144	do.	0 4 6	Alfred Harvey Pty. Ltd.		
†4541	For Selector Telephones, Special	Aust.	144	do.	0 19 3	C. R. Foster		
†4542	Coils, Telephone, Repeating, balanced, small, 4 windings .. .. .	..	80	do.	2 15 6			
*4543	Clips, Universal Insulated Test, half red half-black, cat. No. 25	U.S.A.	3 gross pairs	dozen pairs	2 18 0	Australian General Electric Co. Ltd.		
	Condensers—							
*4544	Self-sealing, ½ M.F., No. 36	U.K.	50	each	0 2 2	British General Electric Co. Ltd.		
*4545	2 M.F., approx. 5" x 2" x ½" .. .. .	..	300	do.	0 2 4			
*4546	.25 M.F.	50	do.	0 2 9		C. R. Foster	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
TELEGRAPH AND TELEPHONE MATERIAL—continued.						
	Cords—					
†4547	Transmitter, 3-way, Auto., 150 D., 72" ..	U.S.A.	144	each	0 4 3	Alfred Harvey Pty. Ltd.
†4548	Receiver, 2-conductor, 30"	U.K.	288	do.	0 1 7	British General Electric Co. Ltd.
†4549	„ for Auto. Coy's. Table Telephones	„	288	do.	0 1 10	Lawrence & Hansen Electric Co. Ltd.
†4550	Switchboard, 5' long, 3-conductor, to fit Kellog plugs	U.S.A.	144	do.	0 6 9	Alfred Harvey Pty. Ltd.
†4551	Switchboard, 4' 6" long, 2-conductor, Red	U.K.	288	do.	0 2 9	} C. R. Foster
†4552	„ 4' 6" long, 2-conductor, White	„	288	do.	0 2 9	
†4553	Diaphragms for Receivers, 2½" diameter ..	U.S.A.	576	dozen	0 1 1	} Automatic Telephones Ltd.
*4554	Discs, Enamel, numeral 1 to 0, to fit Auto. Coy's. calling devices	„	144	each	0 0 9	
†4555	Drops and Jacks, combined, strips of 10, 1,000 ohms	„	150 strips	strip	4 5 0	} C. R. Foster
†4556	Drops, strips of 5, 1,000 ohms	Aust.	20 „	do.	1 10 0	
†4557	„ „ 10, 1,000 ohms	„	20 „	do.	3 0 0	
	Earpieces, Ebonite—					
*4558	For W.E. Receivers	U.S.A.	288	each	0 0 11	} Alfred Harvey Pty. Ltd.
*4559	For Kellog Receivers	„	144	do.	0 1 9	
4560	Fittings, G.E. 805, with Hangers, complete	„	100	do.	1 5 0		Australian General Electric Co. Ltd.
	Fuses, Cartridge, 250 volts—Non-renewable					
*4561	½ amp., non-indicating	U.S.A.	288	do.	0 1 3	} Australian General Electric Co. Ltd.
*4562	3 „ indicating. Cat. 34949	„	3,600	do.	0 1 3	
*4563	6 „ „ „ 59380	„	500	do.	0 1 3	} Nil
*4564	8 „ „ „	„	500	do.	0 1 3	
*4565	10 „ „ „ Cat. 34952	U.S.A.	500	do.	0 1 3	Australian General Electric Co. Ltd.
*4566	12 „ „ „	„	144	do.	.. ..	Nil
*4567	15 „ „ „ Cat. 34954	U.S.A.	72	do.	0 1 3	} Australian General Electric Co. Ltd.
*4568	20 „ „ „ „ 34955	„	1,000	do.	0 1 3	
*4569	25 „ „ „ „ 34956	„	288	do.	0 1 3	
*4570	30 „ „ „ „ 34957	„	288	do.	0 1 3	
†4571	Generators, Telephone, 5-bar	Belgium	12	do.	1 6 0		C. R. Foster
*4572	Handles, for Kellog Generator	„	72	do.	.. ..	Nil
*4573	„ W.E. Generator	U.S.A.	72	do.	0 1 6	} C. R. Foster
	Hooks, Switch—					
*4574	For W.E. Telephones	„	72	do.	0 5 6	} Alfred Harvey Pty. Ltd.
†4575	For Kellog Telephones	„	72	do.	0 5 0	
	Insulators, Porcelain, to Specification and Drawing A. 405—					
4576	No. 1	Aust.	} 50,000	do.	0 1 1	} Sunshine Porcelain Potteries Pty. Ltd.
4577	No. 2	„		do.	0 0 5½	
*4578	Insulators, Porcelain, Cleat	„	2,000	do.	0 0 2½	} Australian General Electric Co. Ltd.
*4579	Insulators, Porcelain, Knob, No. 9420 (top and bottom)	U.S.A.	2,000 pairs	pair	0 0 4	
*4580	Jacks, Telephone, Metallic Circuit	U.K.	200	each	0 1 5	} C. R. Foster
*4581	„ „ Cordless, 5-point, one make, one break	„	288	do.	0 2 3	
†4582	Jacks, Operators', 4-point	Belgium	25	do.	0 3 0	} C. R. Foster
†4583	Keys, Cam type, locking side 2 make, non-locking side 3 make 2 break	U.K.	72	do.	0 8 6	
†4584	Keys, Cam type, 2-position, double locking, 2 make, and 2 break each side	„	144	do.	0 7 6	
†4585	Keys, Cam type, 2-position, locking side, 3 make non-locking side, 3 make, 2 break	„	144	do.	0 9 0	
†4586	Keys, Selector, W.E. 60 A. type	U.S.A.	24	do.	1 17 6	
†4587	Lamps, 6-volt, 2½-watt, to Specification, "Philips"	U.K.	2,500	do.	0 1 9	Noyes Bros. (Melb.) Pty. Ltd.
†4588	Lamps, 12-volt, 2½-watt, to Specification, M.E.S. "Mazda"	„	250	do.	0 1 9	Australian General Electric Co. Ltd.
†4589	„ for Hand Torches	Holland	200	100	1 1 3	Noyes Bros. (Melb.) Pty. Ltd.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
TELEGRAPH AND TELEPHONE MATERIAL—continued.								
	Mouthpieces—							
4590	Metal Thread for Auto. Telephones .. ..	..	200	each	..	..	..	Nil
†4591	Ebonite, for solid back Transmitter .. ..	..	288	do.	..	..	..	}
	Pins, Queensland, Galvanized, to Drawing No. F.1465—							
4592	Large, No. 3	Aust.	15,000	1,000	42	14	2	} McPherson's Pty. Ltd.
4593	Small, No. 4 .. ..	..	5,000	do.	39	11	8	
4594	Pins, Ironbark or Grey Box, Telegraph, to Drawing No. 2 F.1465	..	40,000	do.	6	5	0	J. T. Good
	Pins, Insulator, Galvanized, with Pat. B. Lead Head—							
*4595	Straight, ½" .. ..	..	} 500	each	0	0	4½	} McPherson's Pty. Ltd.
*4596	" ¾" .. ..	..		do.	0	0	8	
*4597	Goose Neck, ½"		250	do.	0	0		5½
	Plugs—							
†4598	3-conductor, "Kellog" No. 106	U.S.A.	50	do.	0	6	6	} Alfred Harvey Pty. Ltd.
†4599	2-conductor, "Kellog" No. 42 .. ..	..	144	do.	0	4	3	
†4600	2-conductor, W.E.	U.K.	288	do.	0	2	3	} C. R. Foster
†4601	Operators', 4-conductor, to fit 4-point Operators' Jacks	Belgium	50	do.	0	4	0	
†4602	Pots, Porous, Leclanche, to Specification "Atlas" Protectors, Fuse, Arrester, Heat Coil type—	U.K.	30,000	do.	0	1	2	Lawrence & Hanson Electric Coy. Ltd.
†4603	5 pairs strip .. ..	..	20	do.	..	..	..	} Nil
†4604	10 " " .. ..	..	6	do.	..	..	..
†4605	20 pairs strip .. ..	..	10	do.	..	..	..
†4606	1 pair .. ..	..	200	do.	..	..	..
	Receivers—							
†4607	Polarized Bell type, ebonite	U.K.	150	do.	0	9	6	C. R. Foster
†4608	Electro Magnetic Bell type .. ..	..	150	do.	0	8	6	British General Electric Co. Ltd.
*4609	Rods, Stay, Galvanized, with eye nut and washer	Aust.	2,000	do.	0	2	6	Workshops Manager, Arden-street
	Sleeves, Jointing, Copper, to Specification—							
4610	No. 5 (long)	Germany	10,000	1,000	8	15	0	} T. Zwicker
4611	No. 6 " 4½" .. ..	..	10,000	do.	4	16	0	
4612	No. 7 " " .. ..	..	Nil	do.	..	..	..	Nil
	Steel, Silver, in 13-in. lengths—							
†4613	1/16"	U.K.	24 bars	dozen	0	0	6	} James Walker
†4614	3/8" .. ..	..	48 "	do.	0	1	0	
†4615	3/16" .. ..	..	36 "	do.	0	2	0	
†4616	1/4" .. ..	..	260 "	do.	0	3	2	
†4617	5/16" .. ..	..	36 "	do.	0	5	6	
†4618	3/8" .. ..	..	40 "	do.	0	7	9	
	Telephones—							
†4619	Table type Magneto .. ..	..	100	each	4	16	0	C. R. Foster
†4620	" " Automatic .. ..	..	100	do.	..	..	..	} Nil
†4621	Large, Wall type, 5-bar generator, 2,500 ohms, Bells	..	400	do.	..	..	..
†4622	Small, Wall type, 4-bar generator, 1,000 ohms, Bells	..	200	do.	..	..	..
	Tapes, Copper, to Specification—							
4623	No. 1 .. ..	..	Nil	lb.	..	..	..	Nil
*4624	No. 2	Aust.	12,000	do.	0	1	5·8	} British Insulated Cables Ltd.
*4625	No. 3 .. ..	..	30,000	do.	0	1	4·8	
4626	Transmitters, solid back, for Magneto Wall Telephones No. 22 L.C.	U.S.A.	50	each	0	11	9	Alfred Harvey Pty. Ltd.
	Spares, for Ericson type Telephones—							
4627	Coils, Heat .. ..	..	90	do.	..	..	..	} Nil
4628	Cords, Receiver, 4-way .. ..	..	90	do.	..	..	..
4629	" " Jack, 2-way, with plugs .. ..	..	90	do.	..	..	..
4630	Chamber, Carbon, for Transmitter .. ..	..	12	do.	..	..	..
4631	Diaphragms, Carbon .. ..	..	60	do.	..	..	..
4632	" " Tin .. ..	..	100	do.	..	..	..
4633	Fuses .. ..	..	100	do.	..	..	..
4634	Induction Coils .. ..	..	12	do.	..	..	..
4635	Receiver Pieces, Ebonite .. ..	..	60	do.	..	..	..

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
TELEGRAPH AND TELEPHONE MATERIAL—continued.						
4636	Receivers, complete		12	each	..	} Nil
4637	Transmitters, Ebonite		60	do.	..	
4638	„ complete		12	do.	..	

ELECTRIC CABLES AND WIRES. (For One Year only.)

**SPECIFICATION FOR STRANDED COPPER CABLE, DROPPER WIRE, AND CONTACT WIRE—
Item Nos. 4639 to 4642.**

A. Dropper Wire and Stranded Cables. Specification of British Engineering Standards Association to Apply.—Except where definitely stated to the contrary, the B.F.S.A. Specification No. 125/1924 shall apply to the Copper Dropper Wire and Stranded Copper Cable in this Contract.

B. Sizes of Cables and Wire.—The sizes of Cables and Wires entering into this Contract shall be as follows :—

- 25 square inch Hard-drawn Stranded Copper Cable made up of 37 strands of ·092-inch Wire (37/·092 inch).
- 375 square inch Hard-drawn Stranded Copper Cable made up of 37 strands of ·116-inch Wire (37/·116 inch).
- Hard-drawn Copper Dropper Wire, ·193 inch diameter.

Hard-drawn Copper Contact Wire, ·25 square inch, as per Drawing No. F.1460.

c. Inspection, Testing and Weighing at Works.—All Cables and Wires will be weighed and lengths checked as set out in Clauses K and L, and the Contact Wire shall also be inspected for defects as per clause E (2) by the Chief Storekeeper or his representative at the works of the Contractor.

The Stranded Copper Cable shall be tested before stranding in accordance with Clause A by the Chief Storekeeper or his representative at the works of the Contractor.

For these purposes the Contractor shall give appropriate notice in writing of the readiness of the Cables or Wires for inspection, measurement, weighing, or test at the works.

d. Testing after Delivery.—The Dropper Wire shall be tested in accordance with Clause A and the Contact Wire in accordance with Clauses E, F, G, H, and I by the Chief Storekeeper or his representative on delivery of the Wire

The Contractor will be notified at his Melbourne address of the intention to carry out such tests and at what place they will be carried out, 24 hours previously, but should he or his representative fail to be present the tests may be carried out at his risk in his absence.

e. Contact Wire General.—(1) The Hard-drawn Copper Contact Wire shall have a conductivity of not less than 98 per cent. of Mathieson's standard for Hard-drawn Copper, and the Wire shall not vary from the specified dimensions by more than 1 per cent. (2) The Wire shall be clean and smooth from the die, without roughness, seams, scales, or scabs, and shall be delivered tightly wound on drums. (3) The section of the Wire shall be in accordance with Drawing No. F.1460.

f. Contact Wire Joints.—The joints in the Wire shall be carefully made with silver before the Wire is drawn.

g. Contact Wire Tensile Test.—Minimum Breaking Stress—20 tons per square inch.

Elongation.—The elongation shall not exceed 3 per cent. in a length equal to 35 times the greater dimensions of the Wire when a load equal to 60 per cent. of the breaking stress is gradually applied.

h. Contact Wire Bending Test.—The Wire shall be fixed in a vice between clamps bell mouthed to a radius equal to the thickness of the Wire where gripped, in such a way that the side touched by the pantograph and the side opposite are held in the clamps—90 degrees will be considered as a single bend. The first bend will be from a vertical position to the right, the second back into the original position, the third from the vertical to the left, and the fourth back into the original position. The Wire shall be capable of standing as a minimum four bends without showing signs of fracture.

i. Contact Wire Torsion Test.—The Wire shall be capable of standing as a minimum a single twist in a length of 10 inches without showing signs of fracture. One complete turn of 360 degrees from the axis shall be considered a single twist.

j. Samples for Test.—A sample from each drum or coil may be taken of Contact, Dropper, or Stranded Wire for testing in accordance with Clauses c and d.

In the event of a sample of any drum or coil not passing these tests, a second or third sample from the same drum or coil shall be tested, and the average of the three tests shall determine the acceptance or rejection of the drum or coil.

k. Weights.—The method of weighing by the Chief Storekeeper or his representative at the works of the Contractor will be as follows :—The empty drum will be weighed and the result noted. The Cable or Wire will then be wound on the drum for the specified length, the full drum will then be weighed and the result noted. The weight of the Cable or Wire to be supplied under this Contract will then be ascertained by subtracting the weight of the empty drum from the weight of the drum when filled. Each drum when packed and totally enclosed shall be stencilled with the gross tare and net weights in the presence of the Chief Storekeeper or his representative.

All such weights so ascertained by the Chief Storekeeper or his representative will for all purposes be accepted by the parties to this Contract as correct and final and binding.

ELECTRIC CABLES AND WIRES—*continued.*

L. *Measurements.*—The Chief Storekeeper or his representative shall measure the length of Wire or Cable on each drum at the works of the Contractor and the Contractor shall have such lengths stencilled on the respective drums. These lengths will for all purposes be accepted by the parties to this Contract as final and binding.

M. *How Delivered.*—The Copper Dropper Wire, Stranded Cable, and Contact Wire shall be delivered on drums (the numbers of which may be specified in the order). The dimensions of the drums shall not exceed the figures given on Drawing No. 4051 F.678. An iron plate 15 inches x 15 inches x $\frac{1}{4}$ inch thick is required to reinforce each side of the drum, to which it shall be bolted. A 3-in. clearance square hole shall be made in both the drums and the plate to take a 3-in. square spindle. The gross tare and net weight, also number of feet on the drum, shall be stencilled on the drum in figures which should not be less than $1\frac{1}{2}$ inches high.

N. *Delivery.*—The Copper Dropper Wire, Stranded Cable, and Contact Wire shall be provisionally delivered, deposited where and as directed at the Corporation's Overhead Equipment Store, Laurens-street, North Melbourne, and delivery shall be deemed to be provisional until such time as the Chief Storekeeper shall certify that the whole of the service complies with this Specification and is in every respect to his satisfaction, and no such provisional acceptance shall prevent the operation of the "Rejection" clause of the annexed Conditions of Contract.

SPECIFICATION FOR HARD-DRAWN COPPER WIRE FOR TELEGRAPH AND TELEPHONE PURPOSES.—*Items Nos. 4643 and 4644.*

The Wire shall be Hard-drawn Copper Wire—weight, 150 and 200 lb. per mile respectively.

Each coil shall be drawn in one continuous piece without joints, and weigh not less than 100 lb. and not more than 130 lb. The Wire shall in all other respects be manufactured in accordance with the British Engineering Standards Specification No. 174.

Time for delivery will be allowed for importation of the Hard-drawn Bare Cable, Annealed Bare Cable, Stranded Copper Cable, Contact Wire, Copper Dropper Wire, and Bare Copper Wire, and the rates tendered do *not* include wharfage dues of the Melbourne Harbour Trust, but in order that the Corporation may receive exemption from wharfage dues, the Bill of Lading for each shipment shall be made out in favour of the Chief Storekeeper. Wharfage will be cleared by the Chief Storekeeper and Delivery Order returned to the Melbourne office of the Contractor to enable him to complete delivery.

In the event of there being Dumping Duty imposed on any of the items contracted for by the British General Electric Co. Ltd. under this Schedule, same shall be to the Department's account.

As regards Items Nos. 4651 to 4654, time for delivery, two months, is to be allowed for importation.

Two tenders have been accepted for Items Nos. 4657 to 4669, 4688 and 4689, viz., Edison Swan Electric Co. Ltd. for Non-C.M.A. Cable and Noyes Bros. (Melbourne) Pty. Ltd. for C.M.A. Cable. It will be noted that the rates for the former are lower and, provided satisfactory service is rendered and the Cable is in accordance with the Specification and suitable for requirements, the Edison Swan Electric Co. Ltd. should receive the whole of the orders. Twelve weeks are to be allowed the Edison Swan Electric Co. Ltd. before any orders are placed. Orders may be placed on Noyes Bros. (Melbourne) Pty. Ltd. in the meantime.

As regards Item No. 4713 with the Edison Swan Electric Co. Ltd., acceptance of this Company's tender is conditional on the material to be supplied being in accordance with the Specification and suitable for requirements, failing which any purchase outside this Contract shall *not* be deemed to be an infringement.

The Contract with the British Insulated Cables Limited is subject to the following conditions, viz. :—

*As regards Items Nos. 4639 to 4642, 4645 to 4647, and 4670 to 4675, the material will be manufactured by Metal Manufactures Pty. Ltd. at Port Kembla, New South Wales, from copper mined and refined in Australia. The prices inserted for all these items are for an order of not less than 200 lb. of one size at a time. It will often expedite delivery of these items if standard drums and packages are ordered. A schedule giving these standards is shown below. Special cutting always entails delay, and prompt delivery can be given, except as explained below, in the case of material which is not held in stock.

Items Nos. 4676 to 4685 are also the products of Metal Manufactures, and the standard packages are also shown below. The prices inserted are rates for an order of not less than 10 lb. of one size at a time.

The prices for all the foregoing items are based on £63 per ton for Electrolytic Copper Wire Bars, and are to be varied up or down by one-tenth of a penny per lb. of copper for each complete 17s. 6d., or part thereof, by which the price of wire bars published in the *Argus* on the date of receipt of an order is greater than £63 4s. 11d. per ton, or less than £62 7s. 6d. per ton respectively. If no price of wire bars is published on any day, the price last published earlier shall apply. In the case of a dispute concerning the published price of wire bars, the figures advised by the Australian Mines and Metals Association as last received by them from the London Metal Exchange prior to the day of the receipt of the order shall be mutually accepted.

Items Nos. 4643 and 4644 will also be manufactured by Metal Manufactures Pty. Ltd. at Port Kembla. The minimum order that the Contractor will accept at the rate shown is 2 tons, and the variation for copper will be £1 for any alteration of £1 in the market price above or below £63 per ton, upon which rate the quotation is based. Alterations of less than £1 will be charged *pro rata*.

Items Nos. 4648 and 4649. These items are to the Commonwealth Postal Specification No. 609B, the important points of which are as follow :—

Conductors No. 23 S.W.G. enamelled, double silk and single cotton covered, conductors laid up circular, taped impregnated with beeswax and paraffin jelly compound, braided and fire-proof painted.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	

ELECTRIC CABLES AND WIRES—continued.

These items are subject to a variation of 1½d. per pair per 1,000 yards for each 20s. variation in the market price of copper.

Time for delivery—Items Nos. 4648, 4649, and 4698—13 weeks.

STANDARD METHODS OF PACKING.

Material.	Size.	Packing.
Wire	•625" diameter to •056" •052" diameter to •044" •042" diameter to •018" •017" diameter to •012"	Coils of 130 lb. (approx.) Coils of 56 lb. (approx.) Coils of 28 lb. (approx.) Coils up to 20 lb.
Rods and Strips	Up to 4" wide	Bars 15' long
Alternatively up to 3" wide Coils of 130 lb. (approx.).		
Cotton-covered Wires (Annealed)	No. 4 to 9 S.W.G. No. 10 to 17 S.W.G. No. 18 to 20 S.W.G. No. 21 S.W.G. No. 22 to 24 S.W.G. No. 25 to 26 S.W.G.	Reels of 112 lb. Reels of 56 lb. Reels of 28 lb. Reels of 14 lb. Reels of 7 lb. Reels of 5 to 1 lb.

STRAND.

Size.	Approximate Length.	Approximate Net Weight.	Size.	Approximate Length.	Approximate Net Weight.
	yds.	lb.		yds.	lb.
3/•036	3,380	122	19/•064	3,640	2,656
7/•036	5,760	488	19/•080	2,340	2,656
7/•044	3,850	488	19/•083	2,170	2,656
7/•048	3,240	488	19/•104	1,380	2,656
7/•052	2,760	488	37/•064	1,820	2,580
7/•064	3,640	976	37/•080	1,165	2,580
7/•080	2,330	976	37/•083	1,080	2,580
7/•104	1,380	976	37/•104	690	2,580
19/•052	2,765	1,328	61/•103	700	2,580

As regards Items Nos. 4639 to 4642, 4643, and 4644 for Copper Bare Wire, arrangements are to be made at the time of placing of orders for inspection to be conducted by the Permanent Testing Officer of the Postmaster-General's Department, resident at Port Kembla, and to forward certificate of inspection quoting the Order No. to the Chief Storekeeper.

A copy of each order and such other information as is called for should be forwarded to the State Engineer of the Postal Department, Sydney, N.S.W., with a request that this be done at the Department's expense, simultaneously with the placing of an order.

4639	Cable, •25 square inch (37/•092") Hard-drawn Stranded Copper	Aust.	15,000 feet	lb.	*0 1 0·8	British Insulated Cables Ltd.
4640	" •375 square inch (37/•116") Hard-drawn Stranded Copper	"	7,500 "	do.	*0 1 0·8	
4641	Wire, Dropper, Hard-drawn, Copper •193" diameter	"	20,000 "	do.	*0 1 0·8	
4642	" Contact, •25 square inch, Hard-drawn Copper (Drawing F.1460)	"	15,000 "	do.	*0 1 0·8	
4643	Wire, Copper, Bare, to Specification— 150 lb. per mile	"	20 tons	ton	*105 10 0	
4644	200 lb. per mile	"	50 "	do.	*105 0 0	
†4645	Cable, Annealed, Bare— 91/•044"	"	5 miles	lb.	*0 1 4·3	
†4646	91/•059"	"	2½ "	do.	*0 1 2·3	
†4647	37/•064"	"	3½ "	do.	*0 1 1·3	
4648	Cable, 26 pairs, braided, indoor, enamel double silk and cotton	U.K.	3,500 yards	1,000 yards	*138 0 0	
4649	" 15 pairs, braided, indoor, enamel double silk and cotton	"	1,750 "	do.	*89 0 0	
4650	" 1 pairs lead covered, enamel and cotton	"	7,000 "	do.	8 0 0	Siemens (Aust.) Pty. Ltd.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
ELECTRIC CABLES AND WIRES—continued.								
4651	Cable, bitumen, insulated, taped and braided, 600 V. Grade— 7/·036"	U.K.	1,500 yards	1,000 yards	19	0	0	Enfield Cable Works (Aust.) Ltd.
4652	7/·044"	"	1,500 "	do.	22	0	0	
4653	7/·064"	"	1,500 "	do.	30	0	0	
4654	19/·052"	"	1,500 "	do.	45	0	0	
4655	Cable, twin, metal sheathed, suitable for Henley wiring— 3/·036"	"	880 "	100 yards	3	16	3	W. T. Henley's Telegraph Works Co. Ltd.
4656	1/·044"	"	1,500 "	do.	2	4	1	
4657	Cable, Electric Light, V.I.R., 600 megohm grade, taped and braided— 3/·029"	"	9,000 "	1,000 yards	6	17	0	Edison Swan Electric Co. Ltd.
4657A	3/·029", C.M.A.	"		100 yards	0	14	4	Noyes Bros. (Melb.) Pty. Ltd.
4658	3/·036"	"	82,000 "	1,000 yards	8	0	0	Edison Swan Electric Co. Ltd.
4658A	3/·036", C.M.A.	"		100 yards	0	17	7	Noyes Bros. (Melb.) Pty. Ltd.
4659	7/·029"	"	25,000 "	1,000 yards	8	11	2	Edison Swan Electric Co. Ltd.
4659A	7/·029", C.M.A.	"		100 yards	1	3	3	Noyes Bros. (Melb.) Pty. Ltd.
4660	7/·036"	"	38,500 "	1,000 yards	14	12	0	Edison Swan Electric Co. Ltd.
4660A	7/·036", C.M.A.	"		100 yards	1	10	9	Noyes Bros. (Melb.) Pty. Ltd.
4661	7/·044"	"	2,500 "	1,000 yards	18	10	0	Edison Swan Electric Co. Ltd.
4661A	7/·044", C.M.A.	"		100 yards	2	0	0	Noyes Bros. (Melb.) Pty. Ltd.
4662	7/·052"	"	60,000 "	1,000 yards	23	10	0	Edison Swan Electric Co. Ltd.
4662A	7/·052", C.M.A.	"		100 yards	2	10	0	Noyes Bros. (Melb.) Pty. Ltd.
4663	7/·064"	"	5,250 "	1,000 yards	31	0	0	Edison Swan Electric Co. Ltd.
4663A	7/·064", C.M.A.	"		100 yards	3	6	3	Noyes Bros. (Melb.) Pty. Ltd.
4664	19/·052"	"	4,000 "	1,000 yards	53	10	0	Edison Swan Electric Co. Ltd.
4664A	19/·052", C.M.A.	"		100 yards	5	12	6	Noyes Bros. (Melb.) Pty. Ltd.
4665	19/·064"	"	2,000 "	1,000 yards	73	5	0	Edison Swan Electric Co. Ltd.
4665A	19/·064", C.M.A.	"		100 yards	7	13	9	Noyes Bros. (Melb.) Pty. Ltd.
4666	19/·072"	"	2,500 "	1,000 yards	89	0	0	Edison Swan Electric Co. Ltd.
4666A	19/·072", C.M.A.	"		100 yards	9	7	6	Noyes Bros. (Melb.) Pty. Ltd.
4667	19/·083"	"	2,500 "	1,000 yards	110	0	0	Edison Swan Electric Co. Ltd.
4667A	19/·083", C.M.A.	"		100 yards	12	0	0	Noyes Bros. (Melb.) Pty. Ltd.
4668	37/·064"	"	1,500 "	1,000 yards	137	0	0	Edison Swan Electric Co. Ltd.
4668A	37/·064", C.M.A.	"		100 yards	14	12	6	Noyes Bros. (Melb.) Pty. Ltd.
4669	37/·083"	"	300 "	1,000 yards	215	0	0	Edison Swan Electric Co. Ltd.
4669A	37/·083", C.M.A.	"		100 yards	22	10	0	Noyes Bros. (Melb.) Pty. Ltd.
†4670	Cable, Hard-drawn Copper, Bare— 7/·036"	Aust.	2,500 lb.	lb.	*0	1	1·5	British Insulated Cables Ltd.
†4671	7/·048"	"	2,000 "	do.	*0	1	1·1	
†4672	7/·064"	"	1,750 "	do.	*0	1	0·8	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
ELECTRIC CABLES AND WIRES—continued.						
	Cable, Hard-drawn Copper, Bare— <i>continued.</i>					
†4673	7/·080"	Aust.	500 lb.	lb.	*0 1 0·8	} British Insulated Cables Ltd.
†4674	19/·052"	"	2,000 "	do.	*0 1 1·3	
†4675	19/·064"	"	2,000 "	do.	*0 1 0·8	
4676	Wire, Copper, D.C.C.— No. 8, S.W.G.	"	100 "	do.	*0 1 4·3	
4677	" 10, "	"	150 "	do.	*0 1 4·8	} British Insulated Cables Ltd.
4678	" 11, "	"	25 "	do.	*0 1 4·8	
4679	" 12, "	"	50 "	do.	*0 1 4·8	
4680	" 13, "	"	250 "	do.	*0 1 5·3	
4681	" 14, "	"	250 "	do.	*0 1 5·3	
4682	" 15, "	"	250 "	do.	*0 1 5·3	
4683	" 16, "	"	500 "	do.	*0 1 7·8	
4684	" 17, "	"	50 "	do.	*0 1 9·3	
4685	" 18, "	"	100 "	do.	*0 2 0·8	} Lawrence & Hanson Electric Co. Ltd.
4686	" 27, "	U.K.	15 "	do.	0 3 6½	
4687	" 28, "	"	25 "	do.	0 3 11	
†4688	Wire, Electric Light, rubber covered, taped and braided, 600 megohm grade— 1/·044 S.W.G.	"	} 225,000 yards	1,000	5 2 6		Edison Swan Elec. Co. Ltd.
†4688A	1/·044 S.W.G., C.M.A.	"		100	0 10 9	Noyes Bros. (Melb.) Pty. Ltd.
†4689	1/·064 (for Power Signalling)	"		1,000	7 5 0	Edison Swan Elec. Co. Ltd.
†4689A	1/·064 (for Power Signalling) C.M.A.	"		80,000 yards	100	0 15 3	Noyes Bros. (Melb.) Pty. Ltd.
4690	Wire, Enamelled, Insulated, 24 S.W.G.	"	50 lb.	lb.	0 1 5½	British General Electric Co. Ltd.
4691	" German Silver, 14 S.W.G.	"	20 "	do.	0 3 0	} W. T. Henley's Telegraph Works Co. Ltd.
4692	" " 18 S.W.G.	"	15 "	do.	0 3 2	
4693	" Nichrome, 28 gauge	"	10 "	do.	0 15 6	} Lawrence & Hanson Electric Co. Ltd.
4694	" " 21 gauge	"	10 "	do.	0 9 9	
†4695	" Office, Flexible, 23/36	"	6,500 yards	100	1 7 6	Falk, Stadelmann & Co. Ltd.
†4696	" " 40/36	"	4,000 "	do.	1 19 9	Johnson & Phillips Ltd.
†4697	" Workshop Flexible, 40/36	"	45,000 "	do.	2 2 6	Noyes Bros. (Melb.) Pty. Ltd.
†4698	" " 23/36	"	1,000 "	do.	1 13 9	British Insulated Cables Ltd.
4699	" Telephone Bell, any colors ordered, No. 20 S.W.G.	"	2 miles	mile	1 15 0	Siemens (Aust.) Pty. Ltd.
	Wire, Tinned, Copper, Fuse—					
†4700	16 gauge	"	} 100 lbs.	lb.	0 1 5·3	} W. T. Henley's Telegraph Works Co. Ltd.
†4701	18 "	"		do.	0 1 5·3	
†4702	20 "	"		do.	0 1 6·5	
†4703	22 "	"		do.	0 1 7·5	
†4704	26 "	"		do.	0 1 11	
†4705	28 "	"		do.	0 1 11·5	
†4706	29 "	"		do.	0 2 0	
†4707	30 "	"		do.	0 2 0	
†4708	32 "	"		do.	0 2 6	
†4709	33 "	"		do.	0 2 7	
†4710	36 "	"		do.	0 2 10	
†4711	38 "	"		do.	0 3 3	
†4712	40 "	"	do.	0 4 0		
†4713	Wire, Vulcanized, I.R., taped and braided, twisted pairs, No. 20 S.W.G., red and black wire	"	3,500 yards	1,000	10 0 0	Edison-Swan Electric Co. Ltd.
4714 to 4716	Nil.					

GRINDSTONES AND ABRASIVE WHEELS.

Name of Manufacturers—

- W Bockli : Swiss Grinding Wheel Works Ltd., Switzerland.
- Eliza Tinsley Pty. Ltd. : Carborundum Co., Manchester. "Aloxite."
- J. Danks and Son Pty. Ltd. : Universal Grinding Wheel Co.
- F. Vial & Sons Pty. Ltd. : B. R. Rowland Ltd., Vitrite Corundum.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	

GRINDSTONES AND ABRASIVE WHEELS—continued.

In the cases where two tenders have been accepted, the rates tendered by W. Bockli are lower and the rates for the British Wheels are outside the measure of preference, orders are to be placed on the lower Contractor, provided he is able to supply Wheels of suitable quality and satisfactory service is rendered.

In the event of W. Bockli's failure to supply within the time required, orders should be cancelled and placed on the alternative Contractor.

If circumstances permit W. Bockli should be allowed time for importation, in order that the Department may receive Wheels at the lower rates.

As regards Items Nos. 4717-4720—Hard Grit Grindstones are said to be more suitable for departmental purposes, especially Loco.

Grindstones, of approved grit, soft, medium, or hard, as ordered—								
4717	4" thick x 24" diameter	Aust.	20	each	0	15	0	Noyes Bros. (Melb.) Pty. Ltd.
4718	5" thick x 30" diameter	"	6	do.	1	6	9	McPherson's Pty. Ltd.
4719	7" thick x 48" diameter	"	16	do.	6	5	0	Noyes Bros. (Melb.) Pty. Ltd.
4720	12" thick x 84" diameter	"	2	do.	35	00	0	
Wheels, Abrasive—								
4721	$\frac{3}{4}$ " x $1\frac{1}{2}$ " x $\frac{5}{16}$ ", Lapping C.H. Pin Holes, 46-60 J.M.	Switz.	6	do.	0	1	4	W. Bockli
4721A	$\frac{3}{4}$ " x $1\frac{1}{2}$ " x $\frac{5}{16}$ ", Lapping C.H. Pin Holes, 40 H.	U.K.		do.	0	1	7	Eliza Tinsley Pty. Ltd.
4722	$\frac{7}{8}$ " x $\frac{1}{2}$ " x $\frac{1}{4}$ ", High Speed Tools, 46-60 K.M.	"	36	do.				Nil
4723	1" x $\frac{1}{4}$ " x $\frac{1}{4}$ ", High Speed Tools, 46-60 K.M.	"	36	do.				
4724	1" x $1\frac{1}{2}$ " x $\frac{5}{16}$ ", 60 N.	Switz.	12	do.	0	1	5	W. Bockli
4724A	1" x $1\frac{1}{2}$ " x $\frac{5}{16}$ ", 40 H.	U.K.		do.	0	1	7	Eliza Tinsley Pty. Ltd.
4725	1" x $\frac{1}{4}$ " x $\frac{1}{4}$ ", 46-60 K.	Switz.	36	do.	0	0	7	W. Bockli
4725A	1" x $\frac{1}{4}$ " x $\frac{1}{4}$ ", 40 O.	U.K.		do.	0	0	8	Eliza Tinsley Pty. Ltd.
4726	$1\frac{1}{8}$ " x $1\frac{1}{2}$ " x $\frac{5}{16}$ ", Lapping C.H. Pin Holes, 40 H.	Switz.	6	do.	0	1	5	W. Bockli
4726A	$1\frac{1}{8}$ " x $1\frac{1}{2}$ " x $\frac{5}{16}$ ", Lapping C.H. Pin Holes, 40 H.	U.K.		do.	0	1	9	Eliza Tinsley Pty. Ltd.
4727	$1\frac{1}{4}$ " x $1\frac{1}{2}$ " x $\frac{5}{16}$ ", for Lapping Machine, 46-60 H.	Switz.	22	do.	0	1	6	W. Bockli
4727A	$1\frac{1}{4}$ " x $1\frac{1}{2}$ " x $\frac{5}{16}$ ", for Lapping Machine, 40 H.	U.K.		do.	0	1	9	Eliza Tinsley Pty. Ltd.
4728	$1\frac{1}{4}$ " x $1\frac{1}{2}$ " x $\frac{5}{16}$ ", for Lapping Machine, 46-60 H.	Switz.	12	do.	0	1	6	W. Bockli
4728A	$1\frac{1}{4}$ " x $1\frac{1}{2}$ " x $\frac{5}{16}$ ", for Lapping Machine, 40 H.	U.K.		do.	0	1	9	Eliza Tinsley Pty. Ltd.
4729	$1\frac{1}{2}$ " x $1\frac{1}{2}$ " x $\frac{5}{16}$ ", for Lapping Machine, 46-60 H.	Switz.	60	do.	0	1	7	W. Bockli
4729A	$1\frac{1}{2}$ " x $1\frac{1}{2}$ " x $\frac{5}{16}$ ", for Lapping Machine, 40 H.	U.K.		do.	0	1	9	Eliza Tinsley Pty. Ltd.
4730	$1\frac{3}{4}$ " x $1\frac{1}{2}$ " x $\frac{5}{16}$ ", for Lapping Machine, 46-60 M.	Switz.	10	do.	0	1	9	W. Bockli
4730A	$1\frac{3}{4}$ " x $1\frac{1}{2}$ " x $\frac{5}{16}$ ", for Lapping Machine, 40 H.	U.K.		do.	0	2	3	Eliza Tinsley Pty. Ltd.
4731	2" x $1\frac{1}{2}$ " x $\frac{5}{16}$ ", for Lapping Machine, 46-60 M.-O.	Switz.	12	do.	0	2	0	W. Bockli
4731A	2" x $1\frac{1}{2}$ " x $\frac{5}{16}$ ", for Lapping Machine, 40 H.	U.K.		do.	0	2	3	Eliza Tinsley Pty. Ltd.
4732	2" x $\frac{1}{2}$ " x $\frac{1}{2}$ ", Arbor Hole, 46-60 K.	Switz.	12	do.	0	0	11	W. Bockli
4732A	2" x $\frac{1}{2}$ " x $\frac{1}{2}$ ", Arbor Hole, 60 M.	U.K.		do.	0	1	0	Eliza Tinsley Pty. Ltd.
4733	2" x $\frac{1}{2}$ " x $\frac{1}{2}$ ", 46-60 M.	"	24	do.				Nil
4734	$2\frac{1}{8}$ " x $1\frac{1}{2}$ " x $\frac{5}{16}$ ", Lapping C.H. Pin Holes, 40 H.	Switz.	12	do.	0	2	0	W. Bockli
4734A	$2\frac{1}{8}$ " x $1\frac{1}{2}$ " x $\frac{5}{16}$ ", Lapping C.H. Pin Holes, 40 H.	U.K.		do.	0	2	5	Eliza Tinsley Pty. Ltd.
4735	$2\frac{1}{4}$ " x $1\frac{1}{2}$ " x $\frac{5}{16}$ ", for Lapping Machine, 40-60 H.	Switz.	12	do.	0	2	1	W. Bockli
4735A	$2\frac{1}{4}$ " x $1\frac{1}{2}$ " x $\frac{5}{16}$ ", for Lapping Machine, 40 H.	U.K.		do.	0	2	5	Eliza Tinsley Pty. Ltd.
4736	$2\frac{1}{2}$ " x $1\frac{1}{2}$ " x $\frac{5}{16}$ ", for Lapping Machine, 46-60 H.	Switz.	24	do.	0	2	3	W. Bockli
4736A	$2\frac{1}{2}$ " x $1\frac{1}{2}$ " x $\frac{5}{16}$ ", for Lapping Machine, 40 H.	U.K.		do.	0	2	5	Eliza Tinsley Pty. Ltd.
4737	$2\frac{3}{4}$ " x $1\frac{1}{2}$ " x $\frac{5}{16}$ ", Lapping C.H. Pin Holes, 60 M.	Switz.	12	do.	0	2	4	W. Bockli
4737A	$2\frac{3}{4}$ " x $1\frac{1}{2}$ " x $\frac{5}{16}$ ", Lapping C.H. Pin Holes, 40 H.	U.K.		do.	0	2	10	Eliza Tinsley Pty. Ltd.
4738	3" x $1\frac{1}{2}$ " x $\frac{5}{16}$ ", for Lapping Machine, 46-60 M.	"	24	do.				Nil
4739	3" x $\frac{3}{8}$ " x $\frac{1}{2}$ ", 50 O.	U.K.	12	do.	0	1	4	Eliza Tinsley Pty. Ltd.
4740	3" x $\frac{3}{8}$ " x $\frac{1}{2}$ ", Arbor Hole, 50 O.	"	12	do.	0	1	7	

Item No.	Description	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
GRINDSTONES AND ABRASIVE WHEELS—continued.						
<i>Wheels Abrasive—continued.</i>						
4741	3" x 1 1/2" x 1/2", 46-60 K.	Switz.	6	each	0 1 5	W. Bockli
4741A	3" x 1 1/2" x 1/2", 50 M.	U.K.		do.	0 1 7	Eliza Tinsley Pty. Ltd.
4742	3" x 1 1/2" x 1/2", General Tools, 46-60 M.	Switz.	4	do.	0 1 1	W. Bockli
4742A	3" x 1 1/2" x 1/2", General Tools, 60 M.	U.K.		do.	0 1 3	Eliza Tinsley Pty. Ltd.
4743	3" x 1 1/2" x 1/2", Internal C.I. Cylinders	"	6	do.	0 1 8	Frank Vial & Sons Pty. Ltd.
4744	3 1/4" x 1 1/4" x 1/2", Taper cut, 46-60 K.	Switz.	20	do.	0 2 4	W. Bockli
4744A	3 1/4" x 1 1/4" x 1/2", Taper Cut, 40 O.	U.K.		do.	0 2 10	Eliza Tinsley Pty. Ltd.
4745	4" x 1 1/2" x 1/2", Mortice Chains, 60-2 1/2 E.	"	8	do.	..	Nil
4746	4" x 1 1/2" x 1/2", Saucer Edge Tools, 46 M.	Switz.	6	do.	0 1 10	W. Bockli
4746A	4" x 1 1/2" x 1/2", Saucer Edge Tools, 40 O.	U.K.		do.	0 2 1	Eliza Tinsley Pty. Ltd.
4747	4" x 1 1/2" x 1/2", High Speed Tools, 46-60 K.M.	Switz.	12	do.	0 1 10	W. Bockli
4747A	4" x 1 1/2" x 1/2", High Speed Tools, 40 O.	U.K.		do.	0 2 1	Eliza Tinsley Pty. Ltd.
4748	4" x 1 1/2" x 1/2", High Speed Tools, 46-60 K.	Switz.	10	do.	0 1 6	W. Bockli
4748A	4" x 1 1/2" x 1/2", High Speed Tools, 40 O.	U.K.		do.	0 1 8	Eliza Tinsley Pty. Ltd.
4749	4" x 1 1/2" x 1/2", High Speed Tools, 60-80 Elastic	"	12	do.	..	Nil
4750	4" x 1 1/2" x 1/2", 46-60 M.	"	12	do.	..	Nil
4751	4" x 1 1/2" x 1/2", Arbor Hole, 46-60 O.	"	12	do.	..	Nil
4752	4" x 1 1/2" x 1/2", for Lapping Machine, 40 H.	U.K.	6	do.	0 3 9	Eliza Tinsley Pty. Ltd.
4753	4 1/2" x 1 1/2" x 1/2", for Lapping Machine, 46-60 H.	Switz.	6	do.	0 3 11	W. Bockli
4753A	4 1/2" x 1 1/2" x 1/2", for Lapping Machine, 40 H.	U.K.		do.	0 4 4	Eliza Tinsley Pty. Ltd.
4754	5" x 1" thick, Edge Tools, 40 I.	Switz.	50	do.	0 3 6	W. Bockli
4754A	5" x 1" thick, Edge Tools, 40 I.	U.K.		do.	0 3 11	Eliza Tinsley Pty. Ltd.
4755	5" x 1 1/2" x 1/2", Straight Cup, 46-60 K.	Switz.	16	do.	0 4 6	W. Bockli
4755A	5" x 1 1/2" x 1/2", Straight Cup, 40 O.	U.K.		do.	0 5 0	Eliza Tinsley Pty. Ltd.
4756	5" x 1 1/2" x 1/2", Cup, 46-60 M.	Switz.	8	do.	0 4 6	W. Bockli
4756A	5" x 1 1/2" x 1/2", Cup, 40 O.	U.K.		do.	0 5 0	Eliza Tinsley Pty. Ltd.
4757	5" x 1 1/2" x 1/2", Cup Wheel, 40 O.	"	12	do.	0 5 0	Eliza Tinsley Pty. Ltd.
4758	5" x 1 1/2" x 1/2", Arbor Hole, Cup, 40 O.	"	2	do.	0 2 10	W. Bockli
4759	6" x 1 1/2" x 1/2", Milling Cutters, 46-60 K.M.	Switz.	20	do.	0 3 2	W. Bockli
4759A	6" x 1 1/2" x 1/2", Milling Cutters, 40 O.	U.K.		do.	0 3 6	Eliza Tinsley Pty. Ltd.
4760	6" x 1 1/2" x 1/2", High Speed Tools, 60-80 Elastic	Switz.	20	do.	0 2 1	W. Bockli
4760A	6" x 1 1/2" x 1/2", High Speed Tools, 60-80 Elastic	U.K.		do.	0 2 11 1/2	Frank Vial & Sons Pty. Ltd.
4761	6" x 1 1/2" x 1/2", Dish, 46-60 J.K.	Switz.	38	do.	0 3 7	W. Bockli
4761A	6" x 1 1/2" x 1/2", Dish, 40 O.	U.K.		do.	0 4 4	Eliza Tinsley Pty. Ltd.
4762	6" x 1 1/2" x 1/2", High Speed Tools, 46-60 K.	Switz.	20	do.	0 2 11	W. Bockli
4762A	6" x 1 1/2" x 1/2", High Speed Tools, 40 O.	U.K.		do.	0 3 2	Eliza Tinsley Pty. Ltd.
4763	6" x 1 1/2" x 1/2", High Speed Tools, 46-60 K.	"	20	do.	..	Nil
4764	6" x 1 1/2" x 1/2", Mortice Chains, 60-80 Elastic	Switz.	22	do.	0 2 1	W. Bockli
4764A	6" x 1 1/2" x 1/2", Mortice Chains, 60-80 Elastic	U.K.		do.	0 2 11 1/2	Frank Vial & Sons Pty. Ltd.
4765	6" x 1 1/2" x 1/2", Saucer, 46-60 K.	"	24	do.	..	Nil
4766	6" x 1 1/2" Camber x 1/2" Saucer, 46-60 K.	Switz.	24	do.	0 4 5	W. Bockli
4766A	6" x 1 1/2" Camber x 1/2" Saucer, 40 O.	U.K.		do.	0 5 0	Eliza Tinsley Pty. Ltd.
4767	6" x 1 1/2" x 1/2", 46-60 O.	"	12	do.	..	Nil
4768	6" x 1 1/2" x 1/2", High Speed Tools, 60-80 K-4A	"	16	do.	..	Nil
4769	6" x 1" x 1/2", Portable Grinders, 24-30 P-Q.	U.K.	150	do.	0 4 11	Frank Vial & Sons Pty. Ltd.
4770	6" x 2" x 3/4" (Cup), Universal Grinders, 50 K.	Switz.	6	do.	0 7 2	W. Bockli
4770A	6" x 2" x 3/4" (Cup), Universal Grinders, 40 O.	U.K.		do.	0 7 10	Eliza Tinsley Pty. Ltd.
4771	6" x 2" x 3/4", Taper Cup, 50 K.	Switz.	6	do.	0 7 2	W. Bockli
4771A	6" x 2" x 3/4", Taper Cup, 40 O.	U.K.		do.	0 7 10	Eliza Tinsley Pty. Ltd.
4772	6" x 2" x 1 1/4", Slide Bars, 36-46	Switz.	4	do.	0 3 11	W. Bockli
4772A	6" x 2" x 1 1/4", Slide Bars, 40 O.	U.K.		do.	0 4 4	Eliza Tinsley Pty. Ltd.
4773	6" x 2" x 1 1/4", Internal C.I. Cylinders, 36-46	"	4	do.	0 4 4	Frank Vial & Sons Pty. Ltd.
4774	6" x 1" x 1 1/4", Internal C.I. Cylinders, 36-46	"	4	do.	0 4 11	Ltd.
4775	6" x 2" x 1 1/2", Saucer, Edge Tools, 46-60 K-M.	Switz.	6	do.	0 4 2	W. Bockli
4775A	6" x 2" x 1 1/2", Saucer, Edge Tools, 40 O.	U.K.		do.	0 4 7	Eliza Tinsley Pty. Ltd.
4776	6" x 2" x 1 1/2", Saucer Wheel, H.S. Tools	Switz.	4	do.	0 4 2	W. Bockli
4776A	6" x 2" x 1 1/2", Saucer Wheel, H.S. Tools, 40 O.	U.K.		do.	0 4 7	Eliza Tinsley Pty. Ltd.
4777	7" x 1 1/2" x 1 1/2", 36-46 L.	"	10	do.	..	Nil
4778	7" x 1 1/2" x 1 1/2", 46-60 L.	Switz.	12	do.	0 3 0	W. Bockli
4778A	7" x 1 1/2" x 1 1/2", 46 O.	U.K.		do.	0 3 5	Eliza Tinsley Pty. Ltd.
4779	7" x 1 1/2" x 1 1/2", High Speed Drills	Switz.	4	do.	0 3 5	W. Bockli
4779A	7" x 1 1/2" x 1 1/2", High Speed Drills 40 O.	U.K.		do.	0 3 11	Eliza Tinsley Pty. Ltd.

Item No.	Description	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Co-tr-ctor.
					£ s. d.	
GRINDSTONES AND ABRASIVE WHEELS—continued.						
Wheels, Abrasive— <i>continued.</i>						
4780	8" x 5" thick, Cup Edge Tools, Knives for Planers 303 P	U.K.	2	each	1 5 4	Eliza Tinsley Pty. Ltd.
4781	8" x 1" x 1", Cold Chisels, 30 H...	"	12	do.	0 7 8	
4782	8" x 3/4" x 3/4", 40 O.	"	12	do.	0 6 4	W. Bockli
4783	8" x 3/4" x 3/4", 36-46 J.	Switz.	8	do.	0 5 10	
4783A	8" x 3/4" x 3/4", 40 J.	U.K.		do.	0 6 4	Eliza Tinsley Pty. Ltd.
4784	8" x 1 1/4" x 3/4", Radial Grinder, 24-30 H.	"	70	do.	..	Nil
4785	8" x 1/16" x 1/2", Elastic Wheel, 46-60 G.	Switz.	12	do.	0 2 11	W. Bockli
4785A	8" x 1/16" x 1/2", Elastic Wheel, 46-60 G.	U.K.		do.	0 5 0	Frank Vial & Sons Pty. Ltd.
4786	8" x 1 1/2" x 1 1/2", Portable Grinders, 24-30 P-Q.	"	100	do.	..	} Nil
4787	8" x 1" x 1 1/4", Hardened Steel (Slide Bars)	"	6	do.	..	
4788	8" x 3/4" x 1 1/4", Slide Bars, 36-46	Switz.	4	do.	0 5 10	W. Bockli
4788A	8" x 3/4" x 1 1/4", Slide Bars, 40 O.	U.K.		do.	0 6 4	Eliza Tinsley Pty. Ltd.
4789	8" x 1" x 1 1/4", Internal C.I. Cylinders, 36-46	"	4	do.	0 7 9	Frank Vial & Sons Pty. Ltd.
4790	8" x 3/4" x 1/2", Steel Tools, 46 M.	Switz.	6	do.	0 5 10	W. Bockli
4790A	8" x 3/4" x 1/2", Steel Tools, 40 O.	U.K.		do.	0 6 4	Eliza Tinsley Pty. Ltd.
4791	8" x 1" x 1", General Tools, 36 P.	"	6	do.	..	Nil
4792	8 7/8" x 1 3/4" x 6", Amer. Drill Grinder, 50 M.	U.K.	4	do.	0 14 0	Eliza Tinsley Pty. Ltd.
4793	8 1/2" x 1 1/4" x 1 1/2", 30-46 L.	Switz.	6	do.	0 8 10	W. Bockli
4793A	8 1/2" x 1 1/4" x 1 1/2", 46 L.	U.K.		do.	0 10 6	Eliza Tinsley Pty. Ltd.
4794	9" x 5" x 2 1/2", C.I. Axle Boxes, 24 H.	"	10	do.	1 16 9	Frank Vial & Sons Pty. Ltd.
4795	9 1/2" x 1 1/2" x 1 1/2", Twist Drills, 46 L.	"	6	do.	..	Nil
4796	10" x 1 1/16" x 3/4", Metal Hand Saws, 46 M.	Switz.	8	do.	0 4 4	W. Bockli
4796A	10" x 1 1/16" x 3/4", Metal Hand Saws, 60 H.	U.K.		do.	0 5 3	Eliza Tinsley Pty. Ltd.
4797	10" x 3/8" thick, Milling Cutters, Taps, &c., 403 K.	Switz.		do.	0 9 1	W. Bockli
4797A	10" x 3/8" thick, Milling Cutters, Taps, &c., 40 K.	U.K.	12	do.	0 10 2	Eliza Tinsley Pty. Ltd.
4798	10" x 3/4" thick, Milling Cutters, Taps, &c., 403 K.	Switz.		do.	0 8 3	W. Bockli
4798A	10" x 3/4" thick, Milling Cutters, Taps, &c., 40 K.	U.K.	12	do.	0 9 0	Eliza Tinsley Pty. Ltd.
4799	10" x 1/2" thick, Milling Cutters, Taps, &c., 403 K.	Switz.		do.	0 6 6	W. Bockli
4799A	10" x 1/2" thick, Milling Cutters, Taps, &c., 40 K.	U.K.	12	do.	0 7 3	Eliza Tinsley Pty. Ltd.
4800	10" x 3/8" thick, Milling Cutters, Taps, &c., 46 M.	"	12	do.	..	Nil
4801	10 x 1 3/8" x 3", Recessed, 5" x 1 1/8", C. H. Steel Pins, 36-46 J.	Switz.		do.	0 12 7	W. Bockli
4801A	10" x 1 3/8" x 3" Recessed, 5" x 1 1/8", C.H., Steel Pins, 36 J.	U.K.	2	do.	0 14 10	Eliza Tinsley Pty. Ltd.
4802	10" x 1/4" x 3/4", Fluting Taps, 80 M-P.	Switz.	8	do.	0 4 9	W. Bockli
4802A	10" x 1/4" x 3/4", Fluting Taps, 80 K.	U.K.		do.	0 5 3	Eliza Tinsley Pty. Ltd.
4803	10" x 3/8" x 3/4", Fluting Taps, 70 V.	Switz.	8	do.	0 5 8	W. Bockli
4803A	10" x 3/8" x 3/4", Fluting Taps, 80 K.	U.K.		do.	0 6 4	Eliza Tinsley Pty. Ltd.
4804	10" x 3/8" x 3/4", Fluting Taps, 80 M.	Switz.	12	do.	0 6 6	W. Bockli
4804A	10" x 3/8" x 3/4", Fluting Taps, 80 K.	U.K.		do.	0 7 3	} Eliza Tinsley Pty. Ltd.
4805	10" x 1" x 1 1/4", Milling Cutters, Taps, &c., 40 O.	"	12	do.	0 10 11	
4806	10" x 1 1/4" x 1 1/4", Milling Cutters, Taps, &c., 46 N.	Switz.		do.	0 11 7	W. Bockli
4806A	10" x 1 1/4" x 1 1/4", Milling Cutters, Taps, &c., 40 O.	U.K.	12	do.	0 12 11	Eliza Tinsley Pty. Ltd.
4807	10" x 1/2" x 1", Milling Cutters, Taps, &c., 60 M.	Switz.		do.	0 6 6	W. Bockli
4807A	10" x 1/2" x 1", Milling Cutters, Taps, &c., 40 O.	U.K.	12	do.	0 7 3	Eliza Tinsley Pty. Ltd.
4808	10" x 2" x 1 1/4", Milling Cutters, Taps, &c., 46 K.	Switz.		do.	0 17 5	W. Bockli
4808A	10" x 2" x 1 1/4", Milling Cutters, Taps, &c., 40 O.	U.K.	12	do.	0 19 2	Eliza Tinsley Pty. Ltd.
4809	10" x 3/8" x 3/4", Milling Cutters, Taps, &c., 46 K.	Switz.		do.	0 5 8	W. Bockli
4809A	10" x 3/8" x 3/4", Milling Cutters, Taps, &c., 40 O.	U.K.	12	do.	0 6 4	Eliza Tinsley Pty. Ltd.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
GRINDSTONES AND ABRASIVE WHEELS—continued.								
<i>Wheels, Abrasive—continued.</i>								
4810	10" x 1" x 4 3/4", Universal Grinders, Steel, 36 P.	Switz.	4	each	0	9	0	W. Bockli
4810A	10" x 1" x 4 3/4", Universal Grinders, Steel, 40 O.	U.K.		do.	0	10	11	Eliza Tinsley Pty. Ltd.
4811	Nil		4	do.	0	11	0	Frank Vial & Sons Pty. Ltd.
4812	10" x 1" x 4 3/4", Universal Grinders, C.I., 36 Grit	"	4	do.	0	11	0	Frank Vial & Sons Pty. Ltd.
4813	10" x 1" x 4 3/4", Universal Grinders, Steel, 46 Grit	Switz.	4	do.	0	9	11	W. Bockli
4813A	10" x 1" x 4 3/4", Universal Grinders, Steel, 60 O.	U.K.		do.	0	10	11	Eliza Tinsley Pty. Ltd.
4814	10" x 1" x 4 3/4", Universal Grinders, Cast Iron, 46 Grit	"	4	do.	0	11	0	Frank Vial & Sons Pty. Ltd.
4815	10" x 1/4" x 3/4", Cold Saws, 60-80 P.	Switz.	18	do.	0	4	9	W. Bockli
4815A	10" x 1/4" x 3/4", Cold Saws, 60 H.	U.K.		do.	0	5	3	Eliza Tinsley Pty. Ltd.
4816	10" x 1" x 4 3/4", C.I., Jones & Shipman Machine, 36-46 Grit	Switz.	4	do.	0	9	11	W. Bockli
4816A	10" x 1" x 4 3/4", C.I., Jones & Shipman Machine, 36-46 Grit	U.K.		do.	0	11	0	Frank Vial & Sons Pty. Ltd.
4817	10" x 1" x 4 3/4", Hardened Steel, Jones & Shipman Machine, 36-46 Grit	Switz.	4	do.	0	9	11	W. Bockli
4817A	10" x 1" x 4 3/4", Hardened Steel, Jones & Shipman Machine 40 O.	U.K.		do.	0	10	11	Eliza Tinsley Pty. Ltd.
4818	10" x 1" x 2 1/2", H.S. Tools, 60 M.	Switz.	4	do.	0	9	11	W. Bockli
4818A	10" x 1" x 2 1/2", H.S. Tools, 60 M.	U.K.		do.	0	10	11	Eliza Tinsley Pty. Ltd.
4819	10" x 1" x 2 1/2", H.S. Tools, 80 P.	Switz.	8	do.	0	6	6	W. Bockli
4819A	10" x 1" x 2 1/2", H.S. Tools, 60 M.	U.K.		do.	0	7	3	Eliza Tinsley Pty. Ltd.
4820	10" x 1 1/4" x 1 1/4", Edge Tools, 46 M.	Switz.	10	do.	0	4	9	W. Bockli
4820A	10" x 1 1/4" x 1 1/4", Edge Tools, 40 K.	U.K.		do.	0	5	3	Eliza Tinsley Pty. Ltd.
4821	10" x 1 1/4" x 1 1/4", Edge Tools, 46 M.	Switz.	10	do.	0	4	9	W. Bockli
4821A	10" x 1 1/4" x 1 1/4", Edge Tools, 40 K.	U.K.		do.	0	5	3	Eliza Tinsley Pty. Ltd.
4822	10" x 1 1/4" x 1 1/4", Edge Tools, 46 M.	Switz.	10	do.	0	5	8	W. Bockli
4822A	10" x 1 1/4" x 1 1/4", Edge Tools, 40 K.	U.K.		do.	0	6	4	Eliza Tinsley Pty. Ltd.
4823	10" x 1 1/4" x 1 1/4", Edge Tools, 46 M.	Switz.	10	do.	0	5	8	W. Bockli
4823A	10" x 1 1/4" x 1 1/4", Edge Tools, 40 K.	U.K.		do.	0	6	4	Eliza Tinsley Pty. Ltd.
4824	10" x 1 1/4" x 1 1/4", Edge Tools, 46 M.	"	10	do.	0	6	6	W. Bockli
4825	10" x 1 1/4" x 1 1/4", Edge Tools, 46 M.	Switz.		do.	0	6	6	W. Bockli
4825A	10" x 1 1/4" x 1 1/4", Edge Tools, 40 K.	U.K.	10	do.	0	7	3	Eliza Tinsley Pty. Ltd.
4826	10" x 1 1/4" x 1 1/4", Edge Tools, 46 M.	Switz.		do.	0	8	3	W. Bockli
4826A	10" x 1 1/4" x 1 1/4", Edge Tools, 40 K.	U.K.	10	do.	0	9	0	Eliza Tinsley Pty. Ltd.
4827	10" x 1 1/4" x 1 1/4", Edge Tools, 46 M.	Switz.		do.	0	8	3	W. Bockli
4827A	10" x 1 1/4" x 1 1/4", Edge Tools, 40 K.	U.K.	6	do.	0	9	0	Eliza Tinsley Pty. Ltd.
4828	10" x 1" x 1 1/4", Edge Tools, 46 M.	"		do.	..	..	..	Nil
4829	10" x 2" x 1 1/4", Edge Tools, 46 M.	Switz.	6	do.	0	17	5	W. Bockli
4829A	10" x 2" x 1 1/4", Edge Tools, 40 K.	U.K.		do.	0	19	2	Eliza Tinsley Pty. Ltd.
4830	10" x 1 1/2" x 3/8", H.S. Tools, Taps, &c., 80 P.	Switz.	2	do.	0	4	9	W. Bockli
4830A	10" x 1 1/2" x 3/8", H.S. Tools, Taps, &c., 60 M.	U.K.		do.	0	5	3	Eliza Tinsley Pty. Ltd.
4831	10" x 1 1/2" x 3/8", H.S. Tools, Taps, &c., 100 P.	Switz.	2	do.	0	4	9	W. Bockli
4831A	10" x 1 1/2" x 3/8", H.S. Tools, Taps, &c., 100 M.	U.K.		do.	0	5	3	Eliza Tinsley Pty. Ltd.
4832	10" x 1 1/2" x 3/8", Band Saws, 36 M.	Switz.	8	do.	0	8	3	W. Bockli
4832A	10" x 1 1/2" x 3/8", Band Saws, 40 M.	U.K.		do.	0	9	0	Eliza Tinsley Pty. Ltd.
4833	10" x 1 1/2" x 3/8", H.S. Steel, Dies, &c., 46 K.	Switz.	4	do.	0	6	6	W. Bockli
4833A	10" x 1 1/2" x 3/8", H.S. Steel, Dies, &c., 40 K.	U.K.		do.	0	7	3	Eliza Tinsley Pty. Ltd.
4834	10" x 1 1/2" x 3/8", H.S. Steel, Dies, &c., 100 P.	"	4	do.	..	..	..	Nil
4835	12" x 2" x 2", Edge Tool Cutters, &c., 365 M.	Switz.		16	do.	1	2	1	W. Bockli
4835A	12" x 2" x 2", Edge Tool Cutters, &c., 36 M.	U.K.	16	do.	1	4	2	Eliza Tinsley Pty. Ltd.
4836	12" x 1" x 2", Edge Tool Cutters, &c., 46 K-M.	Switz.		do.	0	12	8	W. Bockli
4836A	12" x 1" x 2", Edge Tool Cutters, &c., 36 M.	U.K.	16	do.	0	14	1	Eliza Tinsley Pty. Ltd.
4837	12" x 3/4" x 2", Edge Tool Cutters, &c., 46 K-M.	Switz.		do.	0	10	4	W. Bockli
4837A	12" x 3/4" x 2", Edge Tool Cutters, &c., 36 M.	U.K.	16	do.	0	11	4	Eliza Tinsley Pty. Ltd.
4838	12" x 3/4" x 2", Edge Tool Cutters, &c., 365 M.	Switz.		do.	0	9	1	W. Bockli
4838A	12" x 3/4" x 2", Edge Tool Cutters, &c., 36 M.	U.K.	16	do.	0	10	2	Eliza Tinsley Pty. Ltd.
4839	12" x 3/4" x 2", Edge Tool Cutters, &c., 46 M.	Switz.		do.	0	8	0	W. Bockli
4839A	12" x 3/4" x 2", Edge Tool Cutters, &c., 36 M.	U.K.	16	do.	0	9	0	Eliza Tinsley Pty. Ltd.
4840	12" x 1/4" x 2", Edge Tool Cutters, &c., 46 M.	"		do.	..	..	..	Nil

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per---	Rate.			Name of Contractor.
					£	s.	d.	
GRINDSTONES AND ABRASIVE WHEELS—continued.								
Wheels, Abrasive— <i>continued.</i>								
4841	12" dia. x $\frac{3}{8}$ " thick x $\frac{3}{4}$ " hole, Circular Saws, 46 M.	Switz.	8	each	0	6	10	W. Bockli
4841A	12" dia. x $\frac{3}{8}$ " thick x $\frac{3}{4}$ " hole, Circular Saws, 365 K.	U.K.		do.	0	7	6	Eliza Tinsley Pty. Ltd.
4842	12" x $1\frac{3}{4}$ " x 5", Finishing Hardened Steel, 60 O.	"	2	do.	1	1	10	
4843	12" x $1\frac{3}{4}$ " x 5", Roughing Hardened Steel, 40 O.	"	2	do.	1	1	10	
4844	12" x 1" x 5", Finishing Hardened Steel, 80 M.	Switz.	2	do.	0	12	8	W. Bockli
4844A	12" x 1" x 5", Finishing Hardened Steel, 60 O.	U.K.		do.	0	14	1	Eliza Tinsley Pty. Ltd.
4845	12" x 1" x 5", Roughing Hardened Steel, 46 M.	Switz.	2	do.	0	12	8	W. Bockli
4845A	12" x 1" x 5", Roughing Hardened Steel, 40 O.	U.K.		do.	0	14	1	Eliza Tinsley Pty. Ltd.
4846	12" x 2" x 5", Finishing Hardened Steel, Recessed, 60 O.	Switz.	2	do.	1	2	1	W. Bockli
4846A	12" x 2" x 5", Finishing Hardened Steel, Recessed, 60 O.	U.K.		do.	1	4	2	Eliza Tinsley Pty. Ltd.
4847	12" x 2" x 5", Roughing Hardened Steel, Recessed, 40 O.	"	2	do.	1	4	2	
4848	12" x $1\frac{1}{4}$ " x 5", Finishing Hardened Steel, 60 O.	"	2	do.	0	16	9	Eliza Tinsley Pty. Ltd.
4849	12" x $1\frac{1}{4}$ " x 5", Roughing Hardened Steel, 40 O.	"	2	do.	0	16	9	W. Bockli
4850	12" x $\frac{3}{4}$ " x 5", Finishing Hardened Steel, 80 M.	Switz.	2	do.	0	10	4	
4850A	12" x $\frac{3}{4}$ " x 5", Finishing Hardened Steel, 60 O.	U.K.		do.	0	11	4	Eliza Tinsley Pty. Ltd.
4851	12" x $\frac{3}{4}$ " x 5", Roughing Hardened Steel, 24 C-L.	Switz.	2	do.	0	10	4	W. Bockli
4851A	12" x $\frac{3}{4}$ " x 5", Roughing Hardened Steel, 40 O.	U.K.		do.	0	11	4	Eliza Tinsley Pty. Ltd.
4852	12" x $\frac{1}{2}$ " x 5", Finishing Hardened Steel, 80 M.	Switz.	2	do.	0	8	0	W. Bockli
4852A	12" x $\frac{1}{2}$ " x 5", Finishing Hardened Steel, 60 O.	U.K.		do.	0	9	0	Eliza Tinsley Pty. Ltd.
4853	12" x $\frac{1}{2}$ " x 5", Roughing Hardened Steel, 46 M.	Switz.	2	do.	0	8	0	W. Bockli
4853A	12" x $\frac{1}{2}$ " x 5", Roughing Hardened Steel, 40 O.	U.K.		do.	0	9	0	Eliza Tinsley Pty. Ltd.
4854	12" x 1" x 5", Finishing for Grey Cast Iron, 36 K.	"	6	do.	0	14	6	Frank Vial & Sons Pty. Ltd.
4855	12" x 1" x 5", Roughing for Grey Cast Iron, 24 P.	"	6	do.	0	14	6	
4856	12" x $\frac{7}{8}$ " x 5", Finishing for Hardened Steel, 60 O.	"	4	do.	0	12	6	
4857	12" x $\frac{7}{8}$ " x 5", Roughing for Hardened Steel, 40 O.	"	4	do.	0	12	6	
4858	12" x $1\frac{1}{2}$ " x $1\frac{1}{2}$ ", Hardened Steel, 46 K-M.	Switz.	12	do.	0	17	5	W. Bockli
4858A	12" x $1\frac{1}{2}$ " x $1\frac{1}{2}$ ", Hardened Steel, 50 M.	U.K.		do.	0	19	2	Eliza Tinsley Pty. Ltd.
4859	12" x $1\frac{1}{2}$ " x $1\frac{1}{2}$ ", Twist Drills, 46 L.	Switz.	16	do.	0	17	5	W. Bockli
4859A	12" x $1\frac{1}{2}$ " x $1\frac{1}{2}$ ", Twist Drills, 50 M.	U.K.		do.	0	19	2	Eliza Tinsley Pty. Ltd.
4860	12" x $1\frac{1}{2}$ " x $1\frac{1}{2}$ ", Finishing B/S Castings, 24-36 Q.	"	12	do.	0	19	6	Frank Vial & Sons Pty. Ltd.
4861	12" x $\frac{1}{2}$ " x $\frac{3}{4}$ ", Wood Saws, 46-60 K-M.	"	16	do.	..	..	..	Nil
4862	12" x 2" x $1\frac{1}{4}$ ", 24-36 H.	Switz.	10	do.	1	2	1	W. Bockli
4862A	12" x 2" x $1\frac{1}{4}$ ", 24-36 H.	U.K.		do.	1	4	2	Eliza Tinsley Pty. Ltd.
4863	12" x 2" x 1", Edge Tool Cutters, &c., 46 L.	Switz.	4	do.	1	2	1	W. Bockli
4863A	12" x 2" x 1", Edge Tool Cutters, &c., 50 M.	U.K.		do.	1	4	2	Eliza Tinsley Pty. Ltd.
4864	12" x $\frac{3}{8}$ " x $\frac{3}{8}$ ", Edge Tools, 46-60 M.	"	10	do.	..	..	..	Nil
4865	12" x 2" x 1", General Use, 30-36 Grit	Switz.	8	do.	1	2	1	W. Bockli
4865A	12" x 2" x 1", General Use, 30 H.	U.K.		do.	1	4	2	Eliza Tinsley Pty. Ltd.
4866	12" x 1" x $1\frac{1}{8}$ ", Hardened Steel, Van Norman Machine, 36-46 Grit	"	4	do.	..	..	..	Nil
4867	12" x 1" x $1\frac{1}{8}$ " Cast Iron, Van Norman Machine, 36-46 Grit.	"	4	do.	..	..	..

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.		Name of Contractor.
					£	s. d.	
GRINDSTONES AND ABRASIVE WHEELS—continued.							
Wheels, Abrasive— <i>continued.</i>							
4868	12" x 2½" x 6", Slide Bars, 40 O.	U.K.	4	each	1	8 0	Eliza Tinsley Pty. Ltd.
4869	12" x 2½" x 6", C.I., Axle Boxes, 30 K-L. . . . .	..	4	do.	..	..	Nil
4870	12" x 1" x 1", H.S. Steel, General Use, 36 H.	U.K.	4	do.	0	14 1	} Eliza Tinsley Pty. Ltd.
4871	12" x 2" x 1½", H.S. Steel, General Use, 36 H.	"	4	do.	1	4 2	
4872	12" x 2" x 1½", General Use, 24 H.	"	4	do.	1	4 2	
4873	12" x 2" x 1½", Cast Iron, 30 P.	"	8	do.	1	4 6	
4874	14" x 5" x 2½", 16-20 K.	Switz.	20	do.	3	12 3	W. Bockli
4874A	14" x 5" x 2½", 20 M.	U.K.		do.	4	0 0	Eliza Tinsley Pty. Ltd.
4875	14" x 2" x 1½", 20 P.	"	32	do.	1	12 6	} Frank Vial & Sons Pty. Ltd.
4876	14" x 2" x 1½", Cast Iron, 24-30 Grit	"	12	do.	1	12 6	
4877	14" x 2" x 1½", C.I. Castings, 24 Grit	"	8	do.	1	12 6	
4878	14" x 2" x 1½", General Use, 30-36 Grit	"	8	do.	..	..
4879	16" x ¾" x ¾", Metal Hand Saws, 46 M.	Switz.	8	do.	0	12 0	W. Bockli
4879A	16" x ¾" x ¾", Metal Hand Saws, 46 M., 50 N.	U.K.		do.	0	14 3	} J. Danks & Son Pty. Ltd.
4880	16" x 2½" x 1½", Rail Grinding, 16-24 Q.R.	"	6	do.	2	8 0	
4881	18" x 3" x 5", for Piston Rods (Churchill Grinder), 24 C.L. . . . .	..	4	do.	..	..	Nil
4882	18" x 3¾" x 7 7/8" Cup, Steel Tools, 24 H. . . . .	..	4	do.	..	..	} J. Danks & Son Pty. Ltd.
4883	18" x 5" Cup, Slide Bars, 24 I.	U.K.	6	do.	4	8 9	
4884	Segments, Slide Bars	Switz.	20	100 lb.	9	10 0	W. Bockli
4884A	Segments, Slide Bars, 20 J.	U.K.		each	0	5 3	} J. Danks & Son Pty. Ltd.
4885	18" x 5", Cup, Cast Iron, 24 H.	"	6	do.	5	7 6	
4886	Segments, Cast Iron, 24 I.	"	20	do.	0	6 3	
4887	20" x 2½" x 1½", Steel Castings, 141 G.	Switz.	20	do.	3	11 7	
4887A	20" x 2½" x 1½", Steel Castings, 16 G.	U.K.	15	do.	3	19 2	Eliza Tinsley Pty. Ltd.
4888	20" x 2½" x 1½", Mild Steel Ferrules, 36 G.	Switz.		do.	3	11 7	W. Bockli
4888A	20" x 2½" x 1½", Mild Steel Ferrules, 36 G.	U.K.	do.	3	19 2	Eliza Tinsley Pty. Ltd.	
4889	20" x 2½" x 1½", High Speed Lathe Tools, 24 H.	Switz.	40	do.	3	11 7	W. Bockli
4889A	20" x 2½" x 1½", High Speed Lathe Tools, 24 H.	U.K.		do.	3	19 2	Eliza Tinsley Pty. Ltd.
4890	20" x 2½" x 8", Small Lathe Tools, 24 H.	Switz.	10	do.	3	11 7	W. Bockli
4890A	20" x 2½" x 8", Small Lathe Tools, 24 H.	U.K.		do.	3	16 0	Eliza Tinsley Pty. Ltd.
4891	20" x 2½" thick, Edge Tools, 24 H.	Switz.	8	do.	3	11 7	W. Bockli
4891A	20" x 2½" thick, Edge Tools, 24 H.	U.K.		do.	3	19 2	Eliza Tinsley Pty. Ltd.
4892	20" x 2½" x 1 7/8", Spelter off B/S Tube, 24 Q.	"	20	do.	4	1 0	} Frank Vial & Sons Pty. Ltd.
4893	20" x 2½" x 1½", Iron and Brass Castings, 24 Q.	"	14	do.	4	1 0	
4894	20" x 2½" x 1½", Iron and Brass Castings, 30-36 Q.	"	12	do.	4	1 0	Ltd.
4895	20" x 2½" x 9", 24-30 H.	Switz.	6	do.	3	11 7	W. Bockli
4895A	20" x 2½" x 9", 24 H.	U.K.		do.	3	15 6	Eliza Tinsley Pty. Ltd.
4896	20" x 2½" x 1½", Mall. Iron Castings, 16/20, 6/7 E.	Switz.	20	do.	3	11 7	W. Bockli
4896A	20" x 2½" x 1½", Mall. Iron Castings, 16 H.	U.K.		do.	3	19 2	Eliza Tinsley Pty. Ltd.
4897	20" x 2½" x 1½", Mall. Castings, 20/24, 6/7 E.	Switz.	4	do.	3	11 7	W. Bockli
4897A	20" x 2½" x 1½", Mall. Castings, 20 H.	U.K.		do.	3	19 2	Eliza Tinsley Pty. Ltd.
4898	20" x 2½" x 1½", Finishing Brass Castings.	"	6	do.	4	1 0	} Frank Vial & Sons Pty. Ltd.
4899	20" x 2½" x 1½", Coppersmiths' use, 24 P.	"	10	do.	4	1 0	
4900	20" x 2½" x 9", H.S. Tools, Wet, 24-30 Grit	Switz.	2	do.	3	11 7	W. Bockli
4900A	20" x 2½" x 9", H.S. Tools, Wet, 24 H.	U.K.		do.	3	15 6	Eliza Tinsley Pty. Ltd.
4901	20" x 2½" x 10", Steel Tools, 24 H.	"	4	do.	3	10 0	} Frank Vial & Sons Pty. Ltd.
4902	24" x 3" x 1½", Grinding Iron Casting, 20 R.	"	20	do.	6	15 0	
4903	24" x 3" x 1½", Grinding High Speed Steel Tools, 24-30 P.	"	10	do.	6	12 6	J. Danks & Sons Pty. Ltd.
4904	24" x 2½" x 10½", Sellars' Grinders, 24 M.	"	6	do.	5	6 8	Eliza Tinsley Pty. Ltd.
4905	24" x 2½" x 10½", Angle Face, Drills and Tools, 24-30 Grit	Switz.	8	do.	5	10 6	W. Bockli
4905A	24" x 2½" x 10½", Angle Face, Drills and Tools, 30 O.	U.K.		do.	5	16 8	Eliza Tinsley Pty. Ltd.
4906	24" x 3" x 2", Forgings and general purposes . . . . .	..	6	do.	..	..	Nil

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	

GRINDSTONES AND ABRASIVE WHEELS—continued.

4907	Wheels, Abrasive—continued. 24" x 3" x 2", H.S. Steel Tools	Switz.	4	each	6	3	6	W. Bockli
4907A	24" x 3" x 2", H.S. Steel Tools, 24/30 P. ..	U.K.		do.	6	15	0	J. Danks & Son Pty. Ltd.
4908	26" x 1½" x 6", High Speed Lathe Tools, 303 P. Nil.	"	2	do.	4	4	0	Eliza Tinsley Pty. Ltd.
4909								
4914								

TAPS AND DIES.

The Dies under Items 4986 to 4988 shall be of High Speed Steel and suitable for use in "Landis" Rotary Dieheads.

The Dies under Items 4989 to 4995 shall be of High Speed Steel and suitable for use in "Herberts" Patent Self-opening Dieheads.

The Taps under Items 4996 to 5017 shall be suitable for use upon a National Semi-Automatic Nut-Tapping Machine. The dimensions shall be in accordance with Drawing No. 75/24.

Items Nos. 4951 to 4953 shall be supplied in sets of Taper and Plug Taps.

Items Nos. 5037 to 5042.—The Chasers shall be of Carbon Steel, and shall be supplied in sets of 2 Chasers comprising Inside, and Outside. The dimensions shall be in accordance with Drawing No. 309N.

Name of Manufacturer—

Items to be supplied by T. Warburton—"Lehman Archer."

Taps, Whitworth Thread—									
4915	½" Taper	Aust.	100	each	0	0	6½	} Patience & Nicholson Ltd.	
4916	¾" "	"	180	do.	0	0	6½		
4917	1" "	"	20	do.	0	0	6½		
4918	1½" "	"	300	do.	0	0	6½		
4919	2" "	"	60	do.	0	0	9½		
4920	2½" "	U.K.	120	do.	0	0	10½		} Thos. Warburton
4921	3" "	"	100	do.	0	1	4½		
4922	3½" "	Aust.	60	do.	0	2	1		} Patience & Nicholson Ltd.
4923	4" "	"	40	do.	0	2	10		
4924	4½" "	U.K.	50	do.	0	3	3		} Thos. Warburton
4925	1" "	"	12	do.	0	3	9		
4926	1½" "	"	15	do.	0	6	9		
4927	1½" Intermediate	Aust.	100	do.	0	0	6½	} Patience & Nicholson Ltd.	
4928	1½" "	"	180	do.	0	0	6½		
4929	2" "	"	20	do.	0	0	6½		
4930	2½" "	"	250	do.	0	0	6½		
4931	3" "	"	48	do.	0	0	9½		
4932	3½" "	U.K.	120	do.	0	0	10½		} Thos. Warburton
4933	4" "	"	100	do.	0	1	4½		
4934	4½" "	Aust.	56	do.	0	2	1		} Patience & Nicholson Ltd.
4935	5" "	"	40	do.	0	2	10		
4936	5½" "	U.K.	48	do.	0	3	3		} Thos. Warburton
4937	1" "	"	10	do.	0	3	9		
4938	1½" "	"	15	do.	0	6	9		
1939	1½" Plug	Aust.	120	do.	0	0	6½	} Patience & Nicholson Ltd.	
4940	2" "	"	200	do.	0	0	6½		
4941	2½" "	"	20	do.	0	0	6½		
4942	3" "	"	280	do.	0	0	6½		
4943	3½" "	"	60	do.	0	0	9½		
4944	4" "	U.K.	140	do.	0	0	10½		} Thos. Warburton
4945	4½" "	"	100	do.	0	1	4½		
4946	5" "	Aust.	56	do.	0	2	1		} Patience & Nicholson Ltd.
4947	5½" "	"	40	do.	0	2	10		
4948	6" "	U.K.	50	do.	0	3	3		} Thos. Warburton
4949	1" "	"	10	do.	0	3	9		
4950	1½" "	"	15	do.	0	6	9		
Taps, Hand-working—Samuel Warren—									
4951	Sizes ½" to 1", as ordered, Gas Thread, two to set	"	60 sets	set	0	2	9	} F. Vial & Sons Pty. Ltd.	
4952	" ¾" to 1", as ordered, Gas Thread, two to set	"	20 "	do.	0	8	6		
4953	" 1½" to 1¾", as ordered, Gas Thread, two to set	"	3 "	do.	0	14	0		

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
TAPS AND DIES—continued.								
Dies, Adjustable, $2\frac{3}{16}$ " diameter, Whitworth Thread—								
4954	$\frac{3}{16}$ "	Aust.	10	each	0	8	0	
4955	$\frac{1}{4}$ "	"	20	do.	0	8	0	
4956	$\frac{5}{16}$ "	"	20	do.	0	8	0	
4957	$\frac{3}{8}$ "	"	30	do.	0	8	0	
4958	$\frac{7}{16}$ "	"	35	do.	0	8	6	
4959	$\frac{1}{2}$ "	"	16	do.	0	9	8	
4960	$\frac{3}{4}$ "	"	8	do.	0	10	2	
4961	$\frac{7}{8}$ "	"	6	do.	0	12	3	
4962	1"	"	15	do.	0	13	3	
Dies, Adjustable, $2\frac{3}{4}$ " diameter, Whitworth Thread—								
4963	$\frac{1}{4}$ "	"	15	do.	0	9	4	
4964	$\frac{5}{16}$ "	"	15	do.	0	9	4	
4965	$\frac{3}{8}$ "	"	15	do.	0	9	4	
4966	$\frac{1}{2}$ "	"	15	do.	0	10	0	
4967	$\frac{5}{8}$ "	"	40	do.	0	11	4	
4968	$\frac{3}{4}$ "	"	36	do.	0	12	6	
4969	$\frac{7}{8}$ "	"	10	do.	0	14	0	
4970	1"	"	15	do.	0	15	6	
4971	$1\frac{1}{4}$ "	"	15	do.	0	17	9	
Dies, Hand, Lightning, Whitworth Thread—								
4972	$\frac{3}{16}$ " x $1\frac{1}{2}$ " diameter	"	50	do.	0	5	9	Patience & Nicholson Ltd.
4973	$\frac{1}{4}$ " x $1\frac{1}{2}$ "	"		do.	0	5	9	
4974	$\frac{5}{16}$ " x $1\frac{1}{2}$ "	"		do.	0	5	9	
4975	$\frac{3}{8}$ " x $1\frac{1}{2}$ "	"		do.	0	5	9	
4976	$\frac{7}{16}$ " x $1\frac{1}{8}$ "	"		do.	0	6	9	
4977	1" x $1\frac{11}{16}$ "	"		do.	0	6	9	
4978	$\frac{1}{2}$ " x $2\frac{3}{16}$ "	"		do.	0	8	9	
4979	$\frac{3}{4}$ " x $2\frac{3}{16}$ "	"		do.	0	11	0	
4980	1" x $2\frac{3}{16}$ "	"		do.	0	12	4	
Dies, Hand, Lightning, Gas Thread—								
4981	$\frac{1}{4}$ " x $1\frac{9}{16}$ "	"	8	do.	0	7	0	
4982	$\frac{3}{8}$ " x $1\frac{13}{16}$ "	"		do.	0	8	0	
4983	$\frac{1}{2}$ " x $2\frac{3}{16}$ "	"		do.	0	9	0	
4984	$\frac{3}{4}$ " x $2\frac{3}{16}$ "	"		do.	0	12	0	
4985	1" x $2\frac{3}{16}$ "	"		do.	0	12	0	
Dies, "Landis," Style "F," Whitworth Thread—								
4986	$\frac{1}{2}$ " to $\frac{5}{8}$ ", as ordered	"	30 sets	set	2	15	0	
4987	$\frac{3}{4}$ " to $1\frac{1}{4}$ ", as ordered	"	100 "	do.	2	15	0	
4988	Dies, "Landis," Pipes, 11 and 14 threads, as ordered	"	12 "	do.	2	15	0	
Dies, "Herbert," to suit Herbert's Die Heads—								
4989	1", style "C," sizes $\frac{3}{16}$ " to $1\frac{1}{4}$ ", as ordered, Whitworth Thread	U.K.	6 "	do.	1	5	0	Alfred Herbert (Aust.) Ltd.
4990	$1\frac{1}{4}$ ", style "C," sizes $\frac{1}{2}$ " to $1\frac{1}{4}$ ", as ordered, Whitworth Thread	"	30 "	do.	1	11	0	
4991	$1\frac{1}{4}$ ", style "A," sizes $\frac{3}{8}$ " to $1\frac{1}{4}$ ", as ordered, Whitworth Thread	"	1 "	do.	1	11	0	
4992	2", style "C," sizes $\frac{3}{4}$ " to $1\frac{3}{4}$ ", as ordered, Whitworth Thread	Aust.	3 "	do.	2	15	0	
4993	1", style "C," sizes $\frac{3}{4}$ ", $\frac{7}{8}$ ", 1", and $1\frac{1}{4}$ ", as ordered, 11 threads per inch	U.K.	10 "	do.	1	5	0	Alfred Herbert (Aust.) Ltd.
4994	$1\frac{1}{4}$ ", style "C," sizes $1\frac{1}{8}$ " and $1\frac{1}{4}$ ", as ordered, 11 threads per inch	"	15 "	do.	1	11	0	
4995	2", style "C," sizes $1\frac{1}{8}$ ", $1\frac{1}{4}$ ", and $1\frac{3}{8}$ ", as ordered, 11 threads per inch	Aust.	8 "	do.	2	15	0	Patience & Nicholson Ltd.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.		
					£	s.	d.			
TAPS AND DIES—continued.										
Taps, for "National" Nut-tapping Machines, to Drawing No. 8809, Whitworth Thread—										
4996	1/4"	Aust.	50	each	0	2	6			
4997	5/16"	"		do.	0	2	6			
4998	3/8"	"		do.	0	2	10			
Taps for "National" Nut-tapping Machines, to Drawing No. 8809, Whitworth Thread										
4999	1"	"	250	do.	0	5	0			
5000	1 1/8"	"		do.	0	5	9			
5001	1 1/4"	"		do.	0	6	4			
5002	1 1/2"	"		do.	0	8	6			
5003	1 3/4"	"		do.	0	10	6			
5004	1 1/2"	"	400	do.	0	13	4			
5005	1 3/4"	"		do.	0	16	6			
5006	1 3/8"	"	12	do.	0	19	6			
5007	1 1/2"	"		do.	1	2	0			
5008	1 1/2", Gas Thread	"	6	do.	0	8	6			
5009	"	"		do.	0	11	0			
5010	1"	"		do.	0	16	0			
5011	1", 11 threads per inch	"	80	do.	0	11	0			
5012	1 1/8", 11	"		do.	0	13	4			
5013	1 1/4", 11	"		do.	0	15	6			
5014	1 1/2", 11	"		do.	0	16	6			
5015	1 3/8", 11	"		do.	0	19	6			
5016	1 1/2", 16	"		do.	0	7	6			
5017	1", 16	"	6	do.	0	11	0	Patience & Nicholson Ltd.		
Taps, Horizontal, Tapping Machine, Right-hand—										
5018	1 1/8"	"	10	do.	0	9	6			
5019	1 1/4"	"		do.	0	13	0			
5020	1 1/2"	"		do.	0	19	0			
5021	1 3/4"	"		do.	1	7	6			
5022	2"	"		do.	1	16	0			
5023	2 1/4"	"		do.	2	5	0			
5024	2 3/8"	"		do.	2	13	6			
5025	2 1/2"	"		do.	3	0	0			
Taps, Horizontal, Tapping Machine, Left-hand—										
5026	1 1/8"	"		140	do.	0	11		6	
5027	1 1/4"	"	do.		0	15	6			
5028	1 1/2"	"	do.		1	4	6			
5029	1 3/4"	"	do.		1	13	6			
5030	2"	"	do.		2	1	6			
5031	2 1/4"	"	do.		2	15	0			
5032	2 3/8"	"	do.		3	2	6			
5033	2 1/2"	"	do.		3	10	0			
5034	Taps, 4 B.A., "Lehmann Archer"	U.K.	72		do.	0	0	7 1/2	Thos. Warburton	
5035	" 8 B.A.	"	20		do.	0	0	7 1/2		
5036	Dies, 6 B.A.	"		do.	0	1	0			
Chasers, Machine (Inside and Outside), to Drawing No. 309N—										
5037	3 1/2 to 4 1/2 threads per inch, as ordered	Aust.	4 sets	set	0	8	6	Patience & Nicholson Ltd.		
5038	5 to 9	"	6	do.	0	7	6			
5039	10 to 14	"	140	do.	0	6	4			
5040	16 to 18	"	50	do.	0	6	8			
5041	19 to 26	"	30	do.	0	6	8			
5042	28 to 30	"	8	do.	0	6	8			
Chasers, Machine (Outside), 4" long—										
5043	11 threads per inch	"	6	each	0	3	4			
5044	12	"		do.	0	3	4			
5045	14	"		do.	0	3	4			
5046	16	"		do.	0	3	4			
5047 to 5050	Nil.	"								

ELECTRODES AND WELDING WIRE.

The Electrodes and Electric Welding Wire shall be capable of depositing mild steel in connexion with the electric arc welding of mild steel. The material shall be made by an approved process, and shall be of uniform homogeneous structure, free from segregations, oxides, pipes, seams, &c., and shall comply with such tests as the Department may deem necessary to determine suitability.

The Electrodes shall be 18 inches long. The covering shall not easily chip or break off, and shall not be affected by atmospheric conditions.

The Electric Welding Wire shall be free from rust, oil, and grease.

The Tenderer shall state the chemical composition of the material.

In connexion with those items where more than one tender has been accepted, in any case where Requisitioning Officers desire to order Electrodes other than those offered at the lowest rates the matter must be submitted to the Chief Storekeeper for direction. In such case Requisitioning Officers, to enable a decision to be given, must clearly show on the requisition the purpose or class of work on which the Electrodes are to be used.

				£ s. d.		
Electrodes, Mild Steel, suitable for ordinary general work, "E.M.F." ordinary—						
5051	No. 4 S.W.G.	.. .. .	Aust.	500 feet	100 ft.	0 19 8
5052	No. 6 S.W.G.	.. .. .	"	3,000 "	do.	0 16 0
5053	No. 8 S.W.G.	.. .. .	"	25,000 "	do.	0 13 0
5054	No. 10 S.W.G.	.. .. .	"	50,000 "	do.	0 10 8
} Edmunds Bros. & Co.						
Electrodes, Mild Steel, suitable for special work where strength and reliability are important—						
5055	No. 8 S.W.G.	.. .. .			
5055A	No. 8 S.W.G.	.. .. .			
5056	No. 10 S.W.G.	.. .. .			
5056A	No. 10 S.W.G.	.. .. .			
Electrodes, Mild Steel, suitable for sheet metal work, "E.M.F." ordinary—						
5057	No. 12 S.W.G.	.. .. .	Aust.	5,000 "	do.	0 8 4
5057A	No. 14 S.W.G.	.. .. .	"	5,000 "	do.	0 7 6
} Edmunds Bros. & Co.						
Electrodes, Mild Steel, suitable for overhead work—						
5058	No. 8 S.W.G.	.. .. .			
5058A	No. 8 S.W.G.	.. .. .			
5058B	No. 8 S.W.G.	.. .. .			
5059	No. 10 S.W.G.	.. .. .			
5059A	No. 10 S.W.G.	.. .. .			
5059B	No. 10 S.W.G.	.. .. .			
Wire, Electric Welding, in about 1-cwt. coils—						
5060	$\frac{3}{16}$ " diameter .. .. .	.. .. .	Aust.	5 cwt.	cwt.	1 7 6
5061	$\frac{1}{8}$ " diameter .. .. .	.. .. .	"	5 "	do.	1 7 6
} Briscoe & Co. Ltd.						
Wire, Welding, in about 3-ft. lengths—						
†5062	10 gauge, annealed, Mild Steel .. .. .	.. .. .	U.K.		do.	1 10 0
†5063	$\frac{1}{16}$ " Iron .. .. .	.. .. .	"		do.	2 0 0
†5064	$\frac{3}{16}$ " Mild Steel .. .. .	.. .. .	Aust.		do.	1 11 0
} Aust. Oxygen & Industrial Gases Pty. Ltd. Briscoe & Co. Ltd.						

APPENDIX "A."

LOCOMOTIVE CYLINDER OIL.—SPECIFICATION L.1.—Items 2241 and 2242.

Scope.—This Specification covers the grade of petroleum oil required for the lubrication of the Cylinders and Valves of Superheated and Saturated Locomotive Steam-engines, using either mechanical lubricators or those operating on the hydrostatic principle.

Manufacture.—The oil shall be a refined petroleum product, with the addition of acidless animal oil.

Properties and Tests.—The oil shall be free from mineral acids and alkali, and asphaltic, tarry, or suspended matter, and in other respects shall comply with the conditions mentioned hereunder:—

Constants.	Superheated Steam.		Saturated Steam.	
	Maximum.	Minimum.	Maximum.	Minimum.
Viscosity at 212° F., dynes per sq. cm.	0.40	0.25	0.32	0.24
Fire Point, degrees Fahr. .. .. .	.. .. .	580	.. .. .	580
Pour Point, degrees Fahr.	50	.. .. .	50	.. .. .
Saponifiable Matter, per cent.	6	.. .. .	8	.. .. .
Carbon Residue	3	.. .. .	3	.. .. .

APPENDIX "A"—continued.

LOCOMOTIVE CYLINDER OIL—continued.

Oils submitted under this Specification will be subjected to tests to determine the following properties:—

Specific Gravity, 15.5° C./15.5° C.,	Volatility* at 400° F.,
Viscosity at 100° F., dynes per sq. cm.,	" *at 500° F.,
" 140° F. " "	" *at 600° F.,
" 212° F. " "	Precipitation Number or Gasolene Test
Fire Point,	after heating one hour at 600° F.,
Pour Point,	Carbon Residue,

and consideration will be given to the results obtained in deciding the oil to be accepted. It is desirable that the volatility loss and precipitation number should be as low as possible.

Constants obtained on Tests.—In the event of the Tender being accepted, the results of the above tests as determined in the Departmental Laboratory shall be incorporated in the Contract, and all deliveries shall reasonably agree therewith.

Sampling and Testing.—A composite sample (at least 2 quarts) shall be taken from each delivery, drawn from at least 5 (five) containers, and in no case from less than ten (10) per cent. of the containers. Such sample shall be accepted as accurately representing the quality of each delivery.

Testing.—With the exception of the Volatility Tests, the sample shall be tested according to methods set out in "Circular of the Australian Railways: Testing of Lubricating, Illuminating, and Fuel Oils, &c."

LOCOMOTIVE BEARING OIL.—SPECIFICATION L.2.—Items 2243 and 2244.

Scope.—This Specification covers the grade of Petroleum Oil required for use on the Bearings and Motions of Steam Locomotives. Two grades are specified—the one for summer, the other for winter use.

Manufacture.—The oil shall be a refined petroleum product. The Tenderer shall state whether a straight Mineral or Compounded Oil is offered; if the latter, he shall indicate the nature and percentage of the compound used in the manufacture of the Bearing Oil.

Properties and Tests.—The oil shall be free from mineral acid or alkali, and from asphaltic, or tarry, or suspended matter, and in other respects shall comply with the conditions mentioned hereunder:—

	Summer.		Winter.	
	Maximum.	Minimum.	Maximum.	Minimum.
Viscosity at 140° F., dynes per sq. cm.	1.0	0.80	0.80	0.65
Fire Point, degrees Fahr. . . . .	..	400	..	375
Pour Point, degrees Fahr.	40	..	25	..
Syphon Test, cubic centimetres at 140° F. . . . .	..	3.0	..	4.0
Saponifiable Matter, per cent.	20	..	20	..

Oils submitted under this Specification will be subjected to tests to determine the following properties:—

Specific Gravity, 15.5° C./15.5° C.,	Fire Point,
Viscosity at 100° F., dynes per sq. cm.,	Pour Point,
" 140° F. " "	Syphon Test,
" 212° F. " "	Saponifiable Matter,

and consideration will be given to the results obtained in deciding the oil to be accepted.

Constants obtained on Tests.—In the event of the Tender being accepted, the results of the above tests as determined in the Departmental Laboratory shall be incorporated in the Contract, and all deliveries shall reasonably agree therewith.

Sampling.—A composite sample (at least 2 quarts) shall be taken from each delivery, drawn from at least five (5) containers, and in no case from less than ten (10) per cent. of the containers. Such sample shall be accepted as accurately representing the quality of the delivery.

Testing.—The sample shall be tested according to the methods described in "Circular of the Australian Railways: Testing of Lubricating, Illuminating, and Fuel Oils, &c."

CAR AND WAGON OIL (BLACK OIL).—SPECIFICATION L.3.—Item 2245.

Scope.—This Specification covers the grade of Petroleum Oil required for the lubrication of the Axle Journals of Railway Carriages and Wagons.

Manufacture.—The oil shall be a refined petroleum product, free from admixture with any compounding material whatsoever.

Properties and Tests.—The oil shall be free from mineral acid and alkali, and asphaltic, tarry, or suspended matter, and in other respects shall comply with the conditions mentioned hereunder:—

	Maximum.	Minimum.
Viscosity at 140° F., dynes per sq. cm. . . . .	..	..
Fire Point, degrees Fahr.	0.52	0.48
Pour Point, degrees Fahr. . . . .	..	400
Syphon Test, cubic centimetres at 140° F.	25	..
	..	5.0

* The volatility loss, after heating the oil for one hour at the temperatures given, will be determined in the V.R. Laboratory Apparatus, designed generally on the lines of Conradson's Apparatus. See *J. Ind. Eng. Chem.* 4 (1912); also Hamor and Pagett, *The Examination of Petroleum* (1922).

APPENDIX "A"—continued.

CAR AND WAGON OIL—continued.

Oils submitted under this Specification will be subjected to tests to determine the following properties :—

Specific Gravity, 15·5° C./15·5° C.,	|	Fire Point,
Viscosity at 70° F., dynes per sq. cm.,		Pour Point,
" 100° F. " "		Syphon Test,
" 140° F. " "		Saponifiable Matter,

and consideration will be given to the results obtained in deciding the oil to be accepted.

Constants obtained on Tests.—In the event of the Tender being accepted, the results of the above tests as determined in the Departmental Laboratory shall be incorporated in the Contract, and all deliveries shall reasonably agree therewith.

Sampling.—A composite sample (at least 2 quarts) shall be taken from each delivery, drawn from at least five (5) containers, and in no case from less than ten (10) per cent. of the containers. Such sample shall be accepted as accurately representing the quality of the delivery.

Testing.—The sample shall be tested according to the methods set out in "Circular of the Australian Railways : Testing of Lubricating, Illuminating, and Fuel Oils, &c."

CAR OIL (RED OIL).—SPECIFICATION L.3A.—Item 2246.

Scope.—This Specification covers the grade of Petroleum Oil required for the lubrication of the Axle Journals of Railway Carriages.

Manufacture.—The oil shall be a refined filtered petroleum oil, free from admixture with any compounding material whatsoever.

Properties and Tests.—The oil shall be free from mineral acid and alkali, and asphaltic, tarry, or suspended matter, and in other respects shall comply with the conditions mentioned hereunder :—

	Maximum.	Minimum.
Viscosity at 140° F., dynes per sq. cm.	0·35	0·25
Fire Point, degrees Fahr. .. .. .	..	370
Pour Point, degrees Fahr.	5	..
Syphon Test, cubic centimetres at 140° F. .. .. .	..	7·0

Oils submitted under this Specification will be subjected to tests to determine the following properties :—

Specific Gravity, 15·5° C./15·5° C.,	|	Four Point,
Viscosity at 70° F., dynes per sq. cm.,		Syphon Test,
" 100° F. " "		Saponifiable Matter,
" 140° F. " "		Carbon Residue,

and consideration will be given to the results obtained in deciding the oil to be accepted.

Constants obtained on Tests.—In the event of the Tender being accepted, the results of the above tests as determined in the Departmental Laboratory shall be incorporated in the Contract, and all deliveries shall reasonably agree therewith.

Sampling.—A composite sample (at least 2 quarts) shall be taken from each delivery, drawn from at least five (5) containers, and in no case from less than ten (10) per cent. of the containers. Such sample shall be accepted as accurately representing the quality of the delivery.

Testing.—The sample shall be tested according to the methods set out in "Circular of the Australian Railways : Testing of Lubricating, Illuminating, and Fuel Oils, &c."

APPENDIX "B."

MOTOR ENGINE OILS.—SPECIFICATION L.4.—Items 2249 to 2252.

Scope.—This Specification covers the grade of petroleum oil required for the lubrication of Internal Combustion Engine Cylinders and Refrigerating Machinery.

Four grades are specified, known as extra light, light, medium, and extra heavy, and the order or contract shall state the grade of oil required and the purpose for which it is to be used.

Manufacture.—The oil shall be a thoroughly refined, filtered petroleum oil, without the admixture of fatty oils, resins, soaps, and other compounds.

Properties and Tests.—The oil shall be free from mineral acids and alkali, and asphaltic, tarry, or suspended matter, and in other respects shall comply with the conditions mentioned hereunder :—

	Viscosity at 140° F., dynes per sq., cm.		Fire Point, degrees Fahr.	Pour Point, degrees Fahr.	Carbon Residue, per cent.
	Maximum.	Minimum.	Minimum.	Maximum.	Maximum.
Extra Light	0·15	0·12	370	0	·05
Light	0·25	0·18	380	10	·10
Medium	0·35	0·28	390	15	·40
Extra Heavy	0·80	0·65	410	35	1·00

APPENDIX "B"—continued.

MOTOR ENGINE OILS—continued.

Special Tests.—The oils submitted under this Specification will be submitted to tests to determine the following properties:—

Specific Gravity, 15·5° C./15·5° C.,	Pour Point,
Viscosity at 70° F., dynes per sq. cm.,	Volatility,
" 100° F. "	Carbon Residue,
" 140° F. "	Ash,
Fire Point,	Organic Acidity,

and consideration will be given to the results obtained in deciding the oil to be accepted.

In the event of the tender being accepted, the results of the above tests as determined in the Departmental Laboratory shall be incorporated in the Contract, and all deliveries shall agree therewith.

Sampling and Testing.—A composite sample (at least 2 quarts) shall be taken from each delivery drawn from at least five (5) containers, and in no case from less than ten (10) per cent. of the containers. Such sample shall be accepted as accurately representing the quality of each delivery.

Method of Testing.—The sample shall be tested according to the methods described in "Circular of the Australian Railways: Testing of Lubricating, Illuminating, and Fuel Oils, &c."

KEROSENE ENGINE OILS.—SPECIFICATION L.4A.—Item 2253.

Scope.—This Specification covers the grade of petroleum oil required for the lubrication of Kerosene Engine Cylinders.

Manufacture.—The oil shall be a thoroughly refined, filtered petroleum oil with the addition of acidless animal oil.

Properties and Tests.—The oil shall be free from mineral acids and alkali, and asphaltic, tarry, or suspended matter, and in other respects shall comply with the conditions mentioned hereunder:—

Grade.	Viscosity at 140°.		Fire Point.	Sapon. Matter.	Pour Point.	Carbon Residue.
	Maximum.	Minimum.	Minimum.	Maximum.	Maximum.	Maximum.
Medium ..	0·35	0·28	390	8		

Special Tests.—The oils submitted under this Specification will be submitted to tests to determine the following properties:—

Specific Gravity, 15·5° C./15·5° C.,	Volatility,
Viscosity at 70° F., dynes per sq. cm.,	Carbon Residue,
" 100° F. "	Ash,
" 140° F. "	Organic Acidity,
Fire Point,	Saponifiable Matter,
Pour Point,	

and consideration will be given to the results obtained in deciding the oil to be accepted.

In the event of the tender being accepted, the results of the above tests as determined in the Departmental Laboratory shall be incorporated in the Contract, and all deliveries shall agree therewith.

Sampling and Testing.—A composite sample (at least 2 quarts) shall be taken from each delivery, drawn from at least five (5) containers, and in no case from less than ten (10) per cent. of the containers. Such sample shall be accepted as accurately representing the quality of each delivery.

Method of Testing.—The sample shall be tested according to the methods described in "Circular of the Australian Railways: Testing of Lubricating, Illuminating, and Fuel Oils, &c."

MACHINERY OILS.—SPECIFICATION L.5—Items 2254 to 2259.

Scope.—This Specification covers the grade of petroleum oil required for the lubrication of Bearings of Machinery. This oil is not to be used for steam cylinder lubrication.

Six grades are specified, known as extra light, light, medium, heavy, extra heavy, and extra heavy special.

Manufacture.—The oil shall be a refined petroleum oil, without the admixture of fatty oils, resins, soaps, or other compounds not derived from crude petroleum, and must be entirely free from fillers.

Properties and Tests.—The oil shall be free from mineral acid and alkali, and asphaltic, tarry, or suspended matter, and in other respects shall comply with the conditions mentioned hereunder:—

	Viscosity at 140° F., dynes per sq. cm.		Fire Point, degrees Fahr.	Pour Point, degrees Fahr.
	Maximum.	Minimum.	Minimum.	Maximum.
Extra Light	0·15	0·12	370	30
Light	0·25	0·18	380	30
Medium	0·35	0·28	390	30
Heavy	0·50	0·38	400	30
Extra Heavy	0·80	0·55	410	40
Extra Heavy Special	1·50	0·85	450	40

APPENDIX "B"—continued.

MACHINERY OILS—continued.

Special Tests.—The oils submitted under this Specification will be subjected to tests to determine the following properties :—

Specific Gravity at 15·5° C./15·5° C.,	Fire Point,
Viscosity at 70° F., dynes per sq. cm.	Pour Point,
„ 100° F. „	„
„ 140° F. „	„

and consideration will be given to the results obtained in deciding the oil to be accepted.

In the event of the tender being accepted, the results of the above tests as determined in the Departmental Laboratory shall be incorporated in the Contract, and all deliveries shall agree therewith.

Sampling and Testing.—A composite sample (at least 2 quarts) shall be taken from each delivery drawn from at least five (5) containers, and in no case from less than ten (10) per cent. of the containers. Such sample shall be accepted as accurately representing the quality of each delivery.

Method of Testing.—The sample shall be tested according to the methods described in "Circular of the Australian Railways: Testing of Lubricating, Illuminating, and Fuel Oils, &c."

TURBINE AND COMPRESSOR OILS.—SPECIFICATION L.6.—Item 2260.

Scope.—This Specification covers the grade of petroleum oil required for the lubrication of Turbines, Air Compressors, and Machinery on which the circulating system of lubricating is employed.

Manufacture.—The oil shall be a thoroughly refined filtered petroleum oil, without the admixture of fatty oils, resins, soaps, and other compounds.

The Tenderer shall state what compounding matter has been used.

Properties and Tests.—The oil shall be free from mineral acid and alkali, and asphaltic, tarry, or suspended matter, and in other respects shall comply with the conditions mentioned hereunder :—

	Viscosity at 140° F., dynes per sq. cm.		Fire Point, degrees Fahr.	Pour Point, degrees Fahr.	Carbon Residue, per cent.
	Maximum.	Minimum.	Minimum.	Maximum.	Maximum.
Medium	0·35	0·23	390	25	·30

Special Tests.—Oils submitted under this Specification will be subjected to tests to determine the following properties :—

Specific Gravity, 15·5° C./15·5° C.,	Pour Point,
Viscosity at 100° F., dynes per sq. cm.,	Volatility,
„ 140° F. „	Ash,
„ 212° F. „	Organic Acidity,
Fire Point,	Demulsibility.

and consideration will be given to the results obtained in deciding the oil to be accepted.

In the event of the tender being accepted, the results of the above tests as determined in the Departmental Laboratory shall be incorporated in the Contract, and all deliveries shall agree therewith.

Sampling and Testing.—A composite sample (at least 2 quarts) shall be taken from each delivery drawn from at least five (5) containers, and in no case from less than ten (10) per cent. of the containers. Such sample shall be accepted as accurately representing the quality of the delivery.

Method of Testing.—The sample shall be tested according to the methods described in "Circular of the Australian Railways: Testing of Lubricating, Illuminating, and Fuel Oils, &c."

TRANSFORMER AND SWITCH OILS.—SPECIFICATION L.7.—Item 2261.

Scope.—This Specification covers the grades of petroleum oil required for use in Transformers and Oil Switches.

Two grades are specified, the one for use in Transformers, the other for use in Oil Switches.

Manufacture.—The oil shall be a thoroughly refined, filtered petroleum oil, without the admixture of fatty oils, resins, soaps, or other compounds. It shall be light in colour.

Properties and Tests.—The oil shall be free from mineral acids and alkali, asphaltic, tarry, or suspended matter, and moisture or corrosive sulphur compounds, and in other respects shall comply with the conditions mentioned hereunder :—

	Transformer Oil.		Switch Oil.	
	Maximum.	Minimum.	Maximum.	Minimum.
Viscosity at 100° F., dynes per sq. cm. ..	0·18	..	0·20	..
Fire Point, degrees Fahr. .. .. .	..	360	..	370
Pour Point, degrees Fahr.	25	..	25	..
Volatility, 8 hours at 212° F., per cent. ..	2·0	..	..	..

APPENDIX "B"—*continued.*TRANSFORMER AND SWITCH OILS—*continued.*

Special Tests.—Oils submitted under this Specification will be subjected to tests to determine the following properties :—

Specific Gravity, 15·5° C./15·5° C.,	Pour Point,	Saponification Value,
Viscosity at 70° F., dynes per sq. cm.,	Volatility,	Ageing and Sludging,
" 100° F. "	Carbon Residue,	Corrosion,
" 140° F. "	Ash,	Dielectric Strength,
Fire Point,	Organic Acidity,	

and consideration will be given to the results obtained in deciding the oil to be accepted.

Corrosion.—A copper strip shall not appear discoloured when heated in the oil to 150° F.

Ageing and Sludging.—The oil when heated to and maintained at 300° F. in the presence of air and copper for 45 hours shall not show more than 0·1 per cent. of sludge in Transformer Oil.

Dielectric Strength.—When tested between spherical electrodes 0·5 in diameter, 0·15 in. apart, the oil must withstand a pressure of 30,000 volts without breakdown.

In the event of the tender being accepted, the results of the above tests as determined in the Departmental Laboratory shall be incorporated in the Contract, and all deliveries shall agree therewith.

Sampling and Testing.—A composite sample (at least 2 quarts) shall be taken from each delivery, drawn from at least five (5) containers, and in no case from less than ten (10) per cent. of the containers. Such sample shall be accepted as accurately representing the quality of the sample.

When sampling, scrupulous care must be taken to use only clean containers, &c., and to avoid any contamination of the sample.

Method of Testing.—With the exception of the volatility test the sample shall be tested according to the methods described in "Circular of the Australian Railways: Testing of Lubricating, Illuminating, and Fuel Oils, &c."

CASTOR OIL.—SPECIFICATION L.8.—*Item 2262.*

Scope.— This Specification covers Castor Oil required for use as a lubricant.

Manufacture.—The oil shall be a pure oil extracted from castor seed, refined and clarified by an approved process.

Properties and Tests.—The oil shall be clear and free from sediment and flocs, and in other respects shall comply with the condition mentioned hereunder :—

Acidity, per cent. Oleic Acid, maximum 3·0

Sampling and Testing.—A composite sample (at least 2 quarts) shall be taken from each delivery, drawn from at least five (5) containers, and in no case from less than ten (10) per cent. of the containers. Such sample shall be accepted as accurately representing the quality of the delivery.

Method of Testing.—The sample shall be tested according to the methods described in "Circular of the Australian Railways: Testing of Lubricating, Illuminating, and Fuel Oils, &c."

APPENDIX "C."

KEROSENE—ILLUMINATING OIL.—SPECIFICATION N.1.—*Items 2273 and 2278.*

Scope.—This Specification covers the grade of kerosene required for ordinary Illuminating Purposes and also as a Fuel for Kerosene Engines.

Manufacture.—The kerosene shall be a pure petroleum product.

Properties and Tests.—The kerosene shall be free from mineral acid or alkali, water and suspended matter, and in other respects shall comply with the conditions mentioned hereunder :—

Flash Point (Closed Test).—Shall not be less than 105° F.

Colour.—Shall be water white.

Fractional Distillations.—The residue at 300° C. shall not be more than 6 per cent. by vol.

Cloud Test.—The kerosene shall not show a cloud at 5° F.

Flock Test.—The kerosene shall show no sediment when heated at 250° F. for six hours.

Specific Gravity.—The Tenderer shall submit with his sample a statement showing the Specific Gravity (at 15·5° C./15·5° C.) of the oil offered, and the sample and future deliveries (in the event of the tender being accepted) shall agree therewith within the limits of $\pm 0\cdot5$ per cent.

Burning Test.—The kerosene shall burn freely and steadily in a lamp for a period of eighteen hours without marked diminution of intensity, and without smoking or forming "ears" or "toadstools" on the wick. The chimney must be only slightly clouded or stained at the end of the test.

APPENDIX "C"—continued.

KEROSENE—ILLUMINATING OIL—continued.

Special Test.—The kerosene submitted under this Specification will be subjected to tests to determine its Sulphur Content, and consideration will be given to the results obtained in deciding the oil to be accepted.

Sampling and Testing.—A composite sample (at least 2 quarts) shall be taken from each delivery, drawn from at least five (5) containers, and in no case from less than one (1) per cent. of the containers. Such sample shall be accepted as accurately representing the quality of the delivery.

Method of Testing.—The sample shall be tested according to the methods described in the "Circular of the Australian Railways—Testing of Lubricating, Illuminating, and Fuel Oils, &c."

KEROSENE—LONG-TIME BURNING OIL.—SPECIFICATION N.2.—Item 2274.

Scope.—This Specification covers the grade required for use in Signal Lamps and other places where a long-time burning oil is required.

Manufacture.—The kerosene shall be a pure petroleum product.

Properties and Tests.—The kerosene shall be free from mineral acid or alkali, water or suspended matter, and in other respects shall comply with the conditions mentioned hereunder:—

Flash Point (Closed Test).—Shall not be less than 105° F.

Colour.—Shall be water white.

Fractional Distillation.—The residue at 300° C. shall not be more than 4 per cent.

Cloud Test.—The kerosene shall not show a cloud at 0° F.

Flock Test.—The kerosene shall show no sediment when heated at 250° F. for six hours.

Specific Gravity.—The Tenderer shall submit with his sample a statement showing the Specific Gravity (at 15.5° C./15.5° C.) of the oil offered, and the sample and future deliveries (in the event of the tender being accepted) must agree therewith within the limits of ± 0.5 per cent.

Burning Test.—The kerosene shall burn freely and steadily for 120 hours or until all the oil is consumed, without marked diminution in intensity. The wick shall not be readjusted after the first hour of the test.

Special Test.—The kerosene submitted under this Specification will be subjected to tests to determine the Sulphur Content, and consideration will be given to the results obtained in deciding the oil to be accepted.

Sampling and Testing.—A composite sample (at least 2 quarts) shall be taken from each delivery, drawn from at least five (5) containers, and in no case from less than one (1) per cent. of the containers. Such sample shall be accepted as accurately representing the quality of the delivery.

Method of Testing.—The sample shall be tested according to the methods described in "Circular of the Australian Railways—Testing of Lubricating, Illuminating, and Fuel Oils, &c."

KEROSENE—300° HIGH TEST.—SPECIFICATION N.3.—Item 2275.

Scope.—This Specification covers the grade of kerosene required for Illuminating Purposes where a high-flash illuminant is required.

Manufacture.—The kerosene shall be a pure petroleum product.

Properties and Tests.—The kerosene shall be free from mineral acid or alkali, water or suspended matter, and in other respects shall comply with the conditions mentioned hereunder:—

Flash Point (Closed Test).—Shall not be less than 250° F.

Colour.—Shall be water white.

Cloud Test.—The kerosene shall show no cloud at 32° F.

Flock Test.—The kerosene shall show no sediment when heated at 450° F. for fifteen minutes.

Specific Gravity.—The Tenderer shall submit with his sample a statement showing the Specific Gravity (at 15.5° C./15.5° C.) of the oil offered, and the sample and future deliveries (in the event of the tender being accepted) must agree therewith within the limits of ± 0.5 per cent.

Burning Test.—The kerosene shall burn continuously, without readjustment of the wick, till all the oil is consumed. The flame shall remain symmetrical and free from smoke throughout, and there shall be no appreciable hard incrustation on the wick, nor any marked diminution of intensity.

Special Test.—The kerosene submitted under this Specification will be subjected to tests to determine the Sulphur Content, and consideration will be given to the results obtained in deciding the oil to be accepted.

Sampling and Testing.—A composite sample (at least 2 quarts) shall be taken from each delivery drawn from at least five (5) containers, and in no case from less than one (1) per cent. of the containers. Such sample shall be accepted as accurately representing the quality of the delivery.

Method of Testing.—The sample shall be tested according to the methods described in "Circular of the Australian Railways—Testing of Lubricating, Illuminating, and Fuel Oils, &c."

MOTOR SPIRIT.—SPECIFICATION N.4.—Items 2279 to 2281.

Scope.—This Specification covers the grade of motor spirit required for use in Internal Combustion Engines.

Manufacture.—The motor spirit shall be a pure petroleum or other approved product.

APPENDIX "C"—*continued.*MOTOR SPIRIT—*continued.*

Properties and Tests.—The motor spirit shall be free from mineral acid or alkali, water and suspended matter, and in other respects shall comply with the conditions mentioned hereunder :—

Colour.—Shall be water white.

Fractional Distillation—	Not less than
	%
Up to 167° F.	5·0
Up to 205° F.	25·0
Up to 240° F.	50·0
Up to 270° F.	75·0
Up to 320° F.	90·0
Up to 350° F.	95·0
Not higher than 395° F.	End point
*Spontaneous ignition	575° F.

Residue.—Shall not show acid reaction.

Doctor Test.—The Doctor test shall be negative.

Corrosion.—A copper strip shall not appear discoloured when heated in the spirit to 150° F.

Gumming Residue.—When evaporated to dryness in a porcelain dish there shall be no weighable amount of gummy matter.

Unsaturated Hydrocarbons.—The motor spirit offered will be tested for unsaturated hydrocarbons, and consideration will be given to the results obtained in deciding the spirit to be accepted.

Acid Heat Test.—The motor spirit will be tested for rise of temperature when mixed with sulphuric acid.

Sampling and Testing.—A composite sample (at least 2 quarts) shall be taken from each delivery drawn from at least five (5) containers, and in no case from less than one (1) per cent. of the containers such sample shall be accepted as accurately representing the quality of the delivery.

Methods of Testing.—The sample shall be tested according to the methods described in "Circular of the Australian Railways—Testing of Lubricating, Illuminating, and Fuel Oils, &c."

SPECIFICATION FOR BENZINE.—*Item 2283.*

The Benzine shall be a pure petroleum product of the very best quality for the purpose, water-white in colour, free from mineral, acid, or alkali water, suspended matter, and in other respects shall comply with the conditions mentioned hereunder—

Fractional Distillation—	Not less than
	%
Up to 100° Cent.	20
Up to 150° Cent.	60
Up to 200° Cent.	90

Residue.—Shall not show acid reaction.

When evaporated to dryness in a porcelain dish, there shall be no weighable amount of gumming matter.

The Doctor test shall be negative.

A copper strip shall not appear discoloured when heated in the Benzine to 150° Fahr.

The Benzine offered will be tested for unsaturated hydrocarbons, and consideration will be given to the results obtained in deciding the Benzine to be accepted.

The Benzine will be tested for rise of temperature when mixed with Sulphuric Acid.

FUEL OIL.—SPECIFICATION O.1.—*Item 2284.*

Scope.—This Specification covers the grade of petroleum product used for Fuel Purposes, and also coal tar oil and mixtures of coal tar oil and coal tar.

Properties and Tests.—The oil shall be free from grit, acid, fibrous or other matter, and in other respects shall comply with the conditions mentioned hereunder :—

Flash Point (Closed Test).—Shall not be less than 150° F.

Calorific Value, Gross B.T.U. per lb.

Petroleum Oil.—Not less than 18,000.

Coal Tar Oil or Mixtures.—Not less than 16,000.

Water and Sediment.—Not greater than 1 per cent.

Sulphur.—When tested in the bomb calorimeter the oil must be reasonably low in sulphur.

The oil must flow freely from the containers or receptacles at 60° F.

Other things being satisfactory, the choice of oil will be largely determined by low sulphur content and high calorific value.

Excess of water and sediment over the 1·0 per cent. specified may either be subtracted from the gross volume of oil to be paid for, or may be regarded as a contributory reason for rejection.

Sampling and Testing.—A composite sample (at least 2 quarts) shall be taken from each delivery, drawn from at least ten (10) per cent. of the containers.

If Fuel Oil be delivered to the Corporation in bulk each delivery will be sampled on the following basis :—A composite sample made up of samples drawn from every 1,000 gallons or part thereof of each delivery shall be accepted as accurately representing the quality of the delivery.

* Spontaneous ignition will be determined in the V.R. Laboratory Apparatus designed on lines similar to Professor Moore's Apparatus. See J.S.C.I., XXXVI, 103, 1917.

APPENDIX "C"—continued.

FUEL OIL—continued.

A second sample shall be taken from the bottom of the container or containers with a "thief" having a valve in the lower end. The thief, with valve open, shall be lowered gradually into the container, and the valve closed at the instant of touching the bottom. The sample thus obtained shall be tested for water and sediment.

Method of Testing.—The samples shall be tested according to the methods described in "Circular of the Australian Railways—Testing of Lubricating, Illuminating, and Fuel Oils, &c."

OIL FOR THE MANUFACTURE OF PINTSCH GAS.—SPECIFICATION O.I.—Item 2285.

Scope.—This Specification covers the grade of petroleum product used for the manufacture of Pintsch Gas.

Properties and Tests.—This oil shall be free from grit, acid, water, and fibrous or other deleterious matter and in other respects shall comply with the conditions mentioned hereunder:—

	Maximum.	Minimum.
Specific Gravity at 60 degrees Fahr. . . . .	.895	.910
Flash, open, degrees Fahr.	174	220
" Fire, degrees Fahr.	230	250
Boiling Point, degrees Fahr.	400	450
Sulphur, per cent. . . . .	..	1.200
Viscosity. Dynes per Sq. Cm. at—		
70 degrees Fahr. . . . .	.580	.725
100 degrees Fahr. . . . .	.210	.300
140 degrees Fahr. . . . .	.103	.120
Carbon	As low as possible	
Distillation	60 per cent. shall distil over below 720° Fahr.	

APPENDIX "D"

BENZOL.—SPECIFICATION N.4.—Item 2290.

Scope.—This Specification covers the grade of spirit required for use in Rail Motors.

Manufacture.—The Benzol shall be a pure aromatic hydro-carbon.

Properties and Tests.—The Benzol shall be entirely free from mineral acid, alkali, water, and suspended matter, and in other respects shall comply with the conditions mentioned hereunder:—

Colour.—The Benzol shall be water white.

Distillation.—Ninety-six per cent. (96 %) of the Benzol shall distil at the temperature of boiling water; final temperature 250 degrees Fahr. The residue shall not show acid reaction.

Doctor Test.—The doctor test shall be negative.

Sulphur.—The sulphur content shall be as low as possible.

Specific Gravity.—The specific gravity of the Benzol at 60 degrees Fahr. shall be .879-.883.

Freezing Point.—The Benzol shall not freeze at a higher temperature than 20 degrees Fahr.

The Corporation reserves the right to submit deliveries of Benzol to any additional test or tests which it deems necessary.

Sampling.—The samples shall be collected from the first and last discharge of the Benzol from the tank wagon. Intermediate samples from the flow will be selected as required.

Method of Testing.—The sample shall be tested according to the methods described in "Circular of the Australian Railways—Testing of Lubricating, Illuminating, and Fuel Oils."

APPENDIX "E"

GEAR GREASE.—SPECIFICATION M.1.—Item No. 2291.

Scope.—This Specification covers the grade of grease required for the lubrication of Gears and Conveyors.

Manufacture.—The grease shall be a well-manufactured product, composed of a lime-soap made from high-grade animal or vegetable oils, or fatty acids, and a highly-refined mineral oil, or a mineral oil compounded with high-grade animal fat.

Properties and Tests.—The grease shall comply with the conditions mentioned hereunder:—

	Soap Content, per cent. approximate.	Ash, per cent.	Melting Point.	
			Soft.	Drop.
		Maximum.	Minimum.	Minimum.
Dark Gear Grease	18	7.0	148°	163°

APPENDIX "E"—continued.

GEAR GREASE—continued.

Mineral Oil.—When mineral oil alone is used for dissolving the soap, it shall be a well-refined mineral oil.

Saponifiable Matter.—When a compounded oil is used for dissolving the soap, it shall contain about 20 per cent. Saponifiable Matter.

Free Alkali.—The grease shall contain no free alkali.

Moisture.—The moisture present shall not be greater in quantity than one-half the dry soap content.

Corrosion.—A clean copper plate shall not be discoloured when submerged in the grease for 24 hours at room temperature.

Special Tests.—Greases submitted under this Specification will be subjected to tests to determine the following properties :—

Consistency,
Melting and Dropping Points.

Sampling and Testing.—A composite sample shall be taken from each delivery. It shall be at least one (1) lb. in weight, and shall be drawn from at least five (5) per cent. of the containers. Such sample shall be accepted as accurately representing the quality of the delivery.

Method of Testing.—The sample shall be tested according to the methods described in "Circular of the Australian Railways—Testing of Lubricating, Illuminating, and Fuel Oils, &c."

GREASE.—SPECIFICATION M.2.—Items Nos. 2293 to 2294.

Scope.—This Specification covers the grade of grease required for the lubrication of Gears, and of such parts of Motor Equipment and other Machinery as are lubricated by means of compression cups, Grade No. 4 to be used for Pantograph Collectors.

Two grades are specified, and the order shall state which grade is required and the purpose for which it is to be used.

Manufacture.—The grease shall be a well-manufactured product, composed of a calcium soap made from high-grade animal or vegetable oils, or fatty acids, and a highly-refined mineral oil.

Properties and Tests.—The grease shall be smooth and uniform, and, in other respects, shall comply with the conditions mentioned hereunder :—

	Soap Content, per cent. approximate.	Ash, per cent.	Melting Point.	
			Soft.	Drop.
			Minimum.	Minimum.
No. 3 Cup Grease	18	2.5	146°	165°
No. 4 Cup Grease	23	3.5	170°	188°

Mineral Oil.—The mineral oil used in reducing the soaps shall be a straight, well-refined mineral oil.

Consistency.—The greases shall be similar in consistency to the approved trade standards for No. 3 and No. 4 grease.

Moisture.—The grease shall be a boiled grease, and shall contain a minimum of water when finished.

Corrosion.—A clean copper plate shall not be discoloured when submerged in the grease for 24 hours at room temperature.

Fillers.—The grease shall contain no fillers, such as resin, resinous oils, soapstone, wax, talc, powdered mica or graphite, sulphur, clay, asbestos, or the like.

Special Tests.—Greases submitted under this Specification will be subjected to tests to determine the Melting and Dropping Points.

Sampling and Testing.—A composite sample shall be taken from each delivery. It shall be at least one (1) lb. in weight, and shall be drawn from at least five (5) per cent. of the containers. Such sample shall be accepted as accurately representing the quality of the delivery.

Method of Testing.—The sample shall be tested according to the methods described in "Circular of the Australian Railways—Testing of Lubricating, Illuminating, and Fuel Oils, &c."

ANTI-FRICTION GREASE.—SPECIFICATION M.3.—Item No. 2295.

Scope.—This Specification covers the grade of grease required for the lubrication of Rough Machinery, of Rails at Switches and Curves, and for other similar purposes.

Manufacture.—The grease shall be a well-manufactured product, composed of a calcium soap made from rosin oil, and mineral oil, or other oils.

APPENDIX "E"—*continued.*ANTI-FRICTION GREASE—*continued.*

Properties and Tests.—The grease shall be smooth and uniform, and, in other respects, shall comply with the conditions mentioned hereunder :—

					Maximum.
Water	..	..	..	..	6·5 per cent.
Ash	..	..	..	..	8·0 per cent.

Consistency.—The grease shall be of such a consistency as to be suitable for the purpose for which it is required.

Sampling and Testing.—A composite sample shall be taken from each delivery. It shall be at least one (1) lb. in weight, and shall be drawn from at least five (5) per cent. of the containers. Such sample shall be accepted as accurately representing the quality of the delivery.

Method of Testing.—The sample shall be tested according to the methods described in "Circular of the Australian Railways—Testing of Lubricating, Illuminating, and Fuel Oils, &c."

SPECIFICATION FOR PETROLEUM JELLY.—*Item No. 2296.*

The Petroleum Jelly shall be a purified mixture of semi-solid hydrocarbons of the very best quality obtained from petroleum, free from odour, mineral acid, or alkali, fixed oils, fats, rosin, and other additions. It shall be completely soluble in Heavy Benzine.

The Petroleum Jelly shall have a melting point of about 100° F.

On incineration in a porcelain crucible, not more than 0·05 per cent. of mineral matter shall remain in the crucible.

The Tenderer shall indicate the specific gravity at 15·5° C./15·5° C.

APPENDIX "F."

TURPENTINE.—SPECIFICATION A.5—*Item No. 2303.*

I.—SCOPE AND MANUFACTURE.

This Specification applies both to the Turpentine that is distilled from pine oleoresins commonly known as "gum spirits" or "spirits of turpentine," and to Turpentine commonly known as "wood turpentine," which is obtained from resinous wood, whether by steam or by destructive distillation.

When ordering under these Specifications, it shall be stated whether (a) gum spirits or (b) wood turpentine is desired. When wood turpentine is specified, it may be stated whether steam or destructively distilled wood turpentine shall be furnished.

II.—PROPERTIES AND TESTS.

Turpentine shall be pure and conform to the following requirements :—

			Maximum.		Minimum.
Specific Gravity at 15·5° C.	..	..	0·875	..	0·862
Refractive Index at 20° C.	..	..	1·478	..	1·465
Residue after Polymerization with 38NH ₂ SO ₄ —					
Gum Spirits—					
Volume, per cent.	..	..	10·0	..	..
Refractive Index at 20° C.	..	..	..	..	1·500
Wood Turpentine—					
Volume, per cent.	..	..	2·5	..	..
Refractive Index at 20° C.	..	..	..	..	1·480
Initial Boiling Point at 760 mm. pressure	..	..	160° C.	..	150° C.
Distilling below 170° C. at 760 mm. pressure, per cent.	..	..	..	..	90

The Turpentine shall be clear and free from suspended matter and water.

The Colour shall be "Standard" or better.

III.—DETECTION AND REMOVAL OF SEPARATED WATER.

Draw a portion by means of a glass or metal container with a removable stopper or top or with a "thief," from the lowest part of the container. If water is found to be present draw it all out, record the quantity, and deduct it from the total volume of liquid delivered.

IV.—SAMPLING AND TESTING.

A composite sample of not less than two (2) quarts shall be taken from each delivery. It shall be drawn from at least five (5) packages (from all when fewer), and in no case from less than 2 per cent. of the packages.

The Turpentine shall be tested in accordance with the methods described in "Circular of the Australian Railways—Testing of Paint Materials."

APPENDIX "F"—*continued.*VOLATILE MINERAL SPIRIT PAINT THINNERS.—SPECIFICATION A.6.—*Item No. 2304.*

I.—SCOPE.

The Specification applies only to petroleum distillates known as Mineral Spirits or Turpentine Substitutes.

II.—PROPERTIES AND TESTS.

The Oil delivered under these Specifications shall be genuine petroleum distillate, and shall conform to the following requirements :—

Appearance.—Shall be clear and free from suspended matter and water.

Colour.—Shall be "Standard" or better.

Flash Point.—Shall not be lower than 30° C. (86° F.) when tested in the closed cup tester.

Sulphur.—Shall be absent, as determined by the white-lead test.

Distillation.—

Distillate below 130° C. (266° F.) shall not exceed 5 per cent.

Distillate below 200° C. (392° F.) shall not be less than 97 per cent.

Reaction.—Shall be neutral.

When tested by the spot test the oil shall evaporate completely from the filter paper.

III.—DETECTION AND REMOVAL OF SEPARATED WATER.

Draw a portion by means of a glass or metal container with a removable stopper, or with a "thief," from the lowest part of the container. If water is found to be present draw it all out, record the quantity, and deduct it from the total volume of liquid delivered.

IV.—SAMPLING AND TESTING.

A composite sample of not less than two (2) quarts shall be taken from each delivery. It shall be drawn from at least five (5) packages (from all when fewer), and in no case from less than 2 per cent. of the packages.

The Mineral Spirit shall be tested in accordance with the methods described in "Circular of the Australian Railways—Testing of Paint Materials."

TURPENTINE SUBSTITUTE.—SPECIFICATION A.7.—*Item No. 2305.*

I.—SCOPE.

This Specification applies to Turpentine Substitute other than petroleum distillates.

II.—PROPERTIES AND TESTS.

The Substitute shall conform to the following requirements :—

Appearance.—Shall be clear and free from suspended matter.

Colour.—Shall be "Standard" or better.

Flash Point.—Shall not be lower than 50° C. (122° F.) when tested in closed cup tester.

Moisture.—Shall not be present in greater quantities than 2 per cent.

Distillation.—Distillate below 220° C. (428° F.) shall not be less than 95 per cent.

Residue after polymerization.—Shall not be greater in volume than 3½ per cent.

III.—SAMPLING AND TESTING.

A composite sample of not less than two (2) quarts shall be taken from each delivery. It shall be drawn from at least five (5) packages (from all when fewer), and in no case from less than 2 per cent. of the packages.

The Substitute shall be tested in accordance with the methods described in "Circular of the Australian Railways—Testing of Paint Materials."

SPECIFICATION FOR THE SUPPLY OF METHYLATED SPIRITS.—*Item No. 2306.*

The Methylated Spirits required by these Specifications shall consist mainly of ethyl alcohol which has been denatured to conform with the regulations of the Customs and Inland Revenue Department of the Commonwealth of Australia.

The Methylated Spirits shall be of the strength known as 64 overproof, and shall contain not less than 90 per cent. of alcohol by weight.

The Methylated Spirits shall be clear and free from suspended matter and shall not be perceptibly coloured.

The Methylated Spirits shall be suitable for dissolving shellac and similar resins.

A composite sample of not less than two quarts shall be taken from each delivery, and it shall be drawn from at least five packages (from all when fewer), and in no case from less than 2 per cent. of the packages.

This sample when subjected to test shall conform to all the requirements of the above Specifications.

APPENDIX "G."

CARRIAGE VARNISH—SPECIFICATION D.1.—*Items Nos. 2310 and 2311.*

I.—SCOPE.

This Specification covers Varnishes known as Hard Drying Varnish and Durable Body Varnish for exterior carriage work.

II.—MANUFACTURE.

The Varnishes shall be made from the best grades of hard varnish gums, pure linseed oil, and volatile thinners, with the minimum amount of suitable driers necessary to insure the proper drying of the varnish.

III.—PROPERTIES AND TESTS.

The varnish shall be clear and transparent, and free from suspended matter and adulterants. It shall contain no added rosin.

(a) Hard Drying Varnish.—This varnish shall conform to the following requirements:—

Colour.—Not darker than a solution of 6 gm. of potassium dichromate in 100 c.c. of pure sulphuric acid, specific gravity 1.84.

The volatile thinner shall consist of Genuine Turpentine or Mineral Turpentine or a mixture of both.

Drying Test.—Shall set to touch in from 6 to 12 hours, and shall dry hard within 24 hours when maintained at 70° F. in dust-proof atmosphere.

Toughness.—A film on metal shall stand rapid bending over a rod 3 mm. ($\frac{1}{8}$ inch) in diameter Working Properties.—Shall have good brushing, flowing, covering, and levelling properties.

Durability.—The right is reserved to subject the varnish offered under these Specifications to durability tests. In cases where the Testing Laboratory has previous data on the same brand of varnish, acceptance or rejection may be provisionally based on the last completed test of the brand of varnish in question.

(b) Durable Body Varnish.—This varnish shall conform to the following requirements:—

Colour.—Not darker than a solution of 6 gm. of potassium dichromate in 100 c.c. of pure sulphuric acid, specific gravity 1.84.

The volatile thinner shall consist of Genuine Turpentine or Mineral Turpentine, or a mixture of both.

Drying Test.—Shall dry hard in from 24 to 48 hours, when maintained at 70° F. in dust-free atmosphere.

Toughness.—A film on metal shall stand rapid bending over a rod 3 mm. ($\frac{1}{8}$ inch) in diameter. Water Resistance.—Dried film must withstand cold water for eighteen hours and boiling water for twenty minutes without whitening or dulling.

Working Properties.—Shall have good brushing, flowing, covering, and levelling properties.

Durability.—The right is reserved to subject the varnish offered under these Specifications to durability tests. In cases where the Testing Laboratory has previous data on the same brand of varnish, acceptance or rejection may be provisionally based on the last completed test of the brand of varnish in question.

IV.—SAMPLING AND TESTING.

One unopened package shall be taken at random from each delivery.

The varnish shall be tested according to the methods described in "Circular of the Australian Railways—Testing of Paint Materials."

COPAL VARNISH.—SPECIFICATION D.2.—*Item No. 2312.*

I.—SCOPE.

This Specification covers the varnish known as "Pale Copal" Varnish for interior work.

II.—MANUFACTURE.

The varnish shall be made from the best grades of hard varnish gums, pure linseed oil, and volatile thinners, with the minimum amount of suitable driers necessary to insure the proper drying of the varnish.

III.—PROPERTIES AND TESTS.

The varnish shall be clear and transparent and free from suspended matter and adulterants. It shall contain no added rosin.

The varnish shall conform to the following requirements:—

The volatile thinner shall consist of Genuine Turpentine or Mineral Turpentine, or a mixture of both.

Drying Test.—Shall set to touch in from six to eight hours, and shall dry hard within twenty-four hours when maintained at 70° F. in dust-free atmosphere.

Working Properties.—Varnish must have good brushing, flowing, covering, and levelling properties.

IV.—SAMPLING AND TESTING.

One unopened package shall be taken at random from each delivery.

The varnish shall be tested according to the methods described in "Circular of the Australian Railways—Testing of Paint Materials."

APPENDIX "G"—continued.

OAK VARNISH.—SPECIFICATION D.3.—Item No. 2313.

I.—SCOPE.

This Specification covers the varnish known as "Oak" Varnish, used for cabinet and interior work.

II.—MANUFACTURE.

The varnish shall be made from pure varnish gums, pure linseed oil, and suitable thinners and driers.

III.—PROPERTIES AND TESTS.

The varnish shall be clear and transparent and free from suspended matter and adulterants. It shall contain no added rosin.

The varnish shall conform to the following requirements:—

The volatile thinner shall consist of Genuine Turpentine or Mineral Turpentine, or a mixture of both.

Drying Test.—Shall dry hard within twelve hours when maintained at 70° F. in dust-free atmosphere.

Working Properties.—Varnish must have good brushing, flowing, covering, and levelling properties.

IV.—SAMPLING AND TESTING.

One unopened package shall be taken at random from each delivery.

The varnish shall be tested according to the methods described in "Circular of the Australian Railways—Testing of Paint Materials."

GOLD SIZE.—SPECIFICATION D.4.—Item No. 2314.

I.—SCOPE.

This Specification covers the varnish known as Japanners' Gold Size or Japan Gold Size.

II.—MANUFACTURE.

The gold size shall be made from the best grades of hard varnish gums, pure linseed oil, and volatile thinners, with suitable driers.

III.—PROPERTIES AND TESTS.

The gold size shall be clear and transparent and free from suspended matter and adulterants. It shall contain no added rosin.

The gold size shall conform to the following requirements:—

The volatile thinner shall consist of Genuine Turpentine or Mineral Turpentine, or a mixture of both.

Drying Test.—Shall set to touch in from 15 to 30 minutes when maintained at 70° F. in dust-free atmosphere.

IV.—SAMPLING AND TESTING.

One unopened package shall be taken at random from each delivery.

The gold size shall be tested according to the methods described in "Circular of the Australian Railways—Testing of Paint Materials."

JAPAN BLACK.—SPECIFICATION D.5.—Item No. 2315.

I.—SCOPE.

This Specification covers the varnish known as Japan Black.

II.—MANUFACTURE.

The japan shall be made from pure, best quality asphaltum, pure linseed oil, and volatile thinners, with suitable driers.

III.—PROPERTIES AND TESTS.

The japan shall be free from adulterants, and shall contain no added rosin.

The japan shall conform to the following requirements:—

The volatile thinner shall consist of Genuine Turpentine or Mineral Turpentine, or a mixture of both.

Drying.—Shall set to touch in from 1½ to 2½ hours and shall dry hard in less than 20 hours when maintained at 70° F. in dust-free atmosphere. The film must be perfectly smooth and of full body.

Toughness.—Film on metal must stand rapid bending over a rod 3 mm. ($\frac{1}{8}$ inch) in diameter.

Stoving.—When stoved at 400° F. the japan shall show no signs of discolouration, burning, blistering, or cracking, and the film shall be sufficiently elastic to allow of being bent at right angles without cracking.

When rubbed vigorously with the ball of the finger the film shall show no signs of "Rubbing" or "Dusting."

Working Properties.—The japan must have good brushing, flowing, covering, and levelling properties.

APPENDIX "G"—*continued.*JAPAN BLACK—*continued.*

IV.—SAMPLING AND TESTING.

One unopened package shall be taken at random from each delivery.

The japan shall be tested according to the methods described in "Circular of the Australian Railways—Testing of Paint Materials."

LIQUID JAPAN DRIER.—SPECIFICATION D.6.—*Item No. 2316.*

I.—SCOPE.

This Specification covers the Liquid Japan Drier (containing gums) known as Terebine.

II.—MANUFACTURE.

The drier shall be composed of lead, manganese or cobalt, or a mixture of any of these elements combined with a suitable fatty oil, varnish gums, and mineral spirits or turpentine or a mixture of these solvents.

III.—PROPERTIES AND TESTS.

The drier shall be clear and free from suspended matter and sediment. It shall contain no added rosin or other adulterants.

It shall conform to the following requirements :—

Colour.—When mixed with eight parts by volume of raw linseed oil the resulting mixture shall be no darker than a solution of 6 grm. potassium dichromate in 100 c.c. of pure sulphuric acid of specific gravity 1.84.

The volatile thinner shall consist of Genuine Turpentine or Mineral Turpentine, or a mixture of both.

Mixing with Linseed Oil.—It shall mix with pure raw linseed oil in the proportion of 1 volume of drier to 19 volumes of oil without curdling.

Drying.—When mixed with 19 parts of raw linseed oil and flowed on glass, the film shall dry hard in not more than 18 hours, when maintained at 70° F. in dust-free atmosphere.

Baking.—When flowed on metal and baked for two hours at 100° C. (212° F.) the drier shall leave an elastic film.

IV.—SAMPLING AND TESTING.

One unopened package shall be taken at random from each delivery.

The drier shall be tested according to the methods described in "Circular to the Australian Railways—Testing of Paint Materials."

PAPER VARNISH.—SPECIFICATION D.7.—*Item No. 2317.*

I.—SCOPE.

This Specification covers the spirit varnish known as Paper Varnish, used for varnishing maps and similar purposes.

II.—MANUFACTURE.

The varnish shall be made from best quality Damar or other gums, digested cold in a suitable solvent. It shall be thoroughly settled.

III.—PROPERTIES AND TESTS.

The varnish shall be clear and free from suspended matter, and shall contain no rosin, mineral matter, or other adulterants.

It shall conform to the following requirements :—

Colour.—Water white.

Drying.—Shall set to touch in not more than 30 minutes, and shall dry hard and elastic when maintained at 70° F. in dust-free atmosphere.

Toughness.—Film on metal must stand rapid bending over a rod 3 mm. ($\frac{1}{8}$ inch) in diameter.

Working Properties.—Varnish must have good brushing, flowing, covering, and levelling properties.

IV.—SAMPLING AND TESTING.

One unopened package shall be taken at random from each delivery.

The varnish shall be tested according to the methods described in "Circular of the Australian Railways—Testing of Paint Materials."

SPIRIT VARNISH.—SPECIFICATION D.8.—*Item No. 2318.*

I.—SCOPE.

This Specification covers varnishes known as Spirit Varnishes, both Brown and White.

II.—MANUFACTURES.

Spirit Varnish shall be made from hard varnish gums, digested cold in methylated spirits.

The order shall state whether White or Brown Varnish is required.

III.—PROPERTIES AND TESTS.

The varnish shall be clear and of satisfactory colour. It shall be free from suspended matter or sediment, and shall contain no rosin or other adulterants.

The varnish shall conform to the following requirements :—

Methylated Spirits.—Shall be at least 64 overproof.

Drying Test.—Shall set to touch in not more than 30 minutes, when maintained at 70° F. in a dust-free atmosphere.

APPENDIX "G"—*continued.*SPIRIT VARNISH—*continued.*

IV.—TESTING AND SAMPLING.

One unopened package shall be taken at random from each delivery.

The varnish shall be tested according to the methods described in "Circular of the Australian Railways—Testing of Paint Materials."

KNOTTING VARNISH.—SPECIFICATION D.9.—*Item No. 2319.*

I.—SCOPE.

This Specification covers the Spirit Varnish known as Knotting Varnish.

II.—MANUFACTURE.

Knotting Varnish shall be made of pure shellac, digested cold in methylated spirits.

III.—PROPERTIES AND TESTS.

The varnish shall be clear and free from suspended matter and sediment. It shall contain no added rosin or other adulterants.

The varnish shall conform to the following requirements:—

Methylated Spirits.—Shall be at least 64 overproof.

Drying Test.—Shall dry to touch in not more than 20 minutes when maintained at 70° F. in dust-free atmosphere.

IV.—SAMPLING AND TESTING.

One unopened package shall be taken at random from each delivery.

The varnish shall be tested according to the methods described in "Circular of the Australian Railways—Testing of Paint Materials."

FRENCH POLISH.—*Item No. 2320.*

To consist of pure orange shellac and 64 O.P. methylated spirits.

FRENCH POLISH, WHITE.—*Item No. 2321.*

To consist of finest bleached shellac and 64 O.P. methylated spirits.

BLACK STOVING INSULATING VARNISH.—*Item No. 2325.*

General Particulars.—The varnish must be entirely suitable for the impregnation and insulation of armature and field coils of all types of motors, including traction motors with operating voltages up to 1,500 volts.

Quality.—It shall be of the highest baking quality and manufactured from the best grades of varnish gums or asphaltum, pure linseed, or tung oil incorporated with suitable driers and thinners.

Properties and Tests.—It shall possess penetrative power when applied with a brush or in conjunction with a vacuum impregnation plant. The varnish shall have a long life when maintained at an operating temperature of 90° C. and shall exhibit no sign of softening at temperatures under 110° C.

Drying Time and Flexibility.—A film of varnish on Japanese paper of 1 mil thickness shall set to the touch in from 6 to 15 hours when stoved at a temperature of 90° to 95° C. When dry the film shall remain flexible and may be bent back on itself without cracking.

Dielectric Strength.—A film of varnish when covering Japanese paper 1 mil thick to a thickness of 4 to 5 mils shall have when dry a dielectric strength of not less than 1,000 volts per mil.

Resistivity.—The varnish supplied shall have a high resistance to the effects of water, oil, acids, and alkalis; and shall contain no free acid.

The Tenderer shall furnish the following information:—

Specific gravity.

Percentage of thinning medium.

Recommended thinning medium.

Dielectric strength.

Baking period at 90° C.

Life when baked continuously at 90° C.

APPENDIX "H."

COLOURS, PIGMENTS, AND DYES.

BASIC CARBONATE WHITE LEAD.—SPECIFICATION B.1.—Item No. 2354.

I.—SCOPE.

This Specification covers what is commonly known as "White Lead" used as a pigment, purchased as a dry pigment.

II.—MANUFACTURE.

(a) Dry Pigment.—The dry pigment shall be the product made from metallic lead having the composition corresponding approximately to the formula $2\text{PbCO}_3 \cdot \text{Pb}(\text{OH})_2$.

It shall be thoroughly washed after corroding, and shall be free from impurities and adulterants and show no trace of crystalline structure.

III.—PROPERTIES AND TESTS.

(a) Dry Pigment.—The pigment shall conform to the following requirements:—

	Maximum.
Coarse particles retained on Standard No. 200 screen, per cent.	0
Lead Carbonate, per cent.	75
Lead Acetate, expressed as Absolute Acetic Acid, per cent.	0.15
Total impurities, including moisture, per cent.	2.0

IV.—SAMPLING AND TESTING.

A composite sample shall be taken from each delivery from at least five (5) packages (from all when fewer) and in no case from less than two (2) per cent. of the packages.

The White Lead shall be tested according to the methods described in "Circular of the Australian Railways—Testing of Paint Materials."

BASIC CARBONATE WHITE LEAD IN OIL.—SPECIFICATION B.1A.—Item No. 2355.

I.—SCOPE.

This Specification covers what is commonly known as Basic Carbonate White Lead ground in oil to form a paste.

II.—MANUFACTURE.

(a) Dry Pigment.—The pigment shall be the product made from metallic lead having the composition corresponding approximately to the formula $2\text{PbCO}_3 \cdot \text{Pb}(\text{OH})_2$. It shall be thoroughly washed after corroding, and shall be free from impurities and adulterants; it shall show no trace of crystalline structure, and shall meet the requirements given in section 3 (a).

(b) Paste.—The paste shall be made by thoroughly grinding the specified pigment (Basic Carbonate White Lead) Specification B.1 with Raw Linseed Oil, conforming to the requirements of Specification A.1, Paint Vehicles, as shown in section 3 (b).

III.—PROPERTIES AND TESTS.

(a) Dry Pigment.—The pigment freed from oil shall conform to the following requirements:—

	Maximum.
Coarse Particles retained on Standard 200 screen, per cent.	0
Lead Carbonate	75
Lead Acetate, expressed as absolute Acetic Acid	0.15
Total impurities, including moisture, per cent.	2.0

(b) The Raw Linseed Oil must conform to the following requirements:—

	Maximum.	Minimum.
Specific Gravity at 15.5 degrees C.	0.935	0.931
Acid Number	5	..
Saponification Number	192	189
Unsaponifiable matter, per cent.	1.5	..
Refractive Index at 25 degrees C.	1.4805	1.4790
Iodine Number	190	175

(c) Paste.—The paste as received shall not be caked in the container and shall break up readily in oil to form a smooth paint of brushing consistency. The paste shall consist of:—

	Maximum.	Minimum.
Pigment (as specified above), per cent. . . . .	..	90
Linseed Oil, per cent.	10	8
Moisture and other volatile matter, per cent.	0.5	..
Coarse particles and skins (total residue retained on Standard Number 200 screens, based on pigment), per cent.	0.5	..

APPENDIX "H"—*continued.*COLOURS, PIGMENTS, AND DYES—*continued.*BASIC CARBONATE WHITE LEAD IN OIL—*continued.*

IV.—SAMPLING AND TESTING.

A composite sample shall be taken from each delivery from at least five (5) packages (from all when fewer) and in no case from less than two (2) per cent. of the packages.

The White Lead in Oil shall be tested according to the methods described in "Circular of the Australian Railways—Testing of Paint Materials."

ZINC OXIDE.—SPECIFICATION B.2.—*Item No. 2330.*

I.—SCOPE.

This Specification covers the pigment commonly known as Zinc White or Zinc Oxide, purchased either as a dry pigment or ground in oil to form a paste.

II.—MANUFACTURE.

(a) Dry Pigment.—The pigment may be made either direct from the ore or by the French process from spelter.

(b) Paste.—The paste shall be made by thoroughly grinding the specified pigment with raw linsced oil conforming to the requirements of Specification A.1, Paint Vehicles.

III.—PROPERTIES AND TESTS.

(a) Dry Pigment.—The pigment shall conform to the following requirements :—

	Direct Process.		French Process.	
	Maximum.	Minimum.	Maximum.	Minimum.
Coarse particles retained on a Standard No. 200 screen, per cent.	0·0	..	0·0	..
Zinc Oxide, per cent. .. .. .	..	96	..	99
Total Sulphur, per cent.	0·2	..	0·1	..
Total impurities, including moisture, per cent. ..	4·0	..	1·0	..

(b) Paste.—The paste as received shall not be caked in the container and shall break up readily in oil to form a smooth paint of brushing consistency. The paste shall consist of :—

	Maximum.	Minimum.
Pigment (as specified above), per cent. .. .. .	..	82·0
Linseed Oil, per cent.	18·0	..
Moisture and other volatile matter, per cent. ..	0·5	..
Coarse particles and skins (total residue retained on Standard No. 200 screen, based on pigment), per cent. ..	0·5	..

IV.—SAMPLING AND TESTING.

A composite sample shall be taken from each delivery from at least five (5) packages (from all when fewer) and in no case from less than two (2) per cent. of the packages.

The Zinc Oxide shall be tested according to the methods described in "Circular of the Australian Railways—Testing of Paint Materials."

RED LEAD.—SPECIFICATION B.5.—*Item No. 2353.*

I.—SCOPE.

This specification covers Red Lead to be used as a pigment, purchased as a dry pigment.

II.—MANUFACTURE.

The pigment shall be made by roasting litharge or lead, or compounds of lead which yield litharge on heating.

III.—PROPERTIES AND TESTS.

The pigment shall consist entirely of oxides of lead, free from all adulterants, and shall conform to the following requirements :—

Coarse particles remaining on Standard No. 200 screen, per cent. maximum	0·3
True Red Lead (Pb ₃ O ₄), per cent. minimum	80·0
Total impurities, including moisture, matter soluble in water, and matter insoluble in mixture of Nitric Acid and Hydrogen Peroxide, per cent, maximum	1·0

Remainder shall be Lead Monoxide (PbO).

When mixed with Raw Linseed Oil, Turpentine, and Liquid Drier in the proportions :—

		Per cent. by weight.
Dry Red Lead	pounds	24 .. 78
Raw Linseed Oil	Imperial pints	5 .. 19
Turpentine	" gills	2 .. 1·5
Terebine	"	2 .. 1·5

and applied to a smooth, vertical iron surface, the resulting film shall dry hard and elastic, without running, streaking, or sagging.

APPENDIX "H"—*continued.*COLOURS, PIGMENTS, AND DYES—*continued.*RED LEAD—*continued.*

IV.—SAMPLING AND TESTING.

A composite sample shall be taken from each delivery from at least five (5) packages (from all when fewer) and in no case from less than two (2) per cent. of the packages.

The Red Lead shall be tested according to the methods described in "Circular of the Australian Railways—Testing of Paint Materials."

INDIAN RED.—SPECIFICATION B.6.—*Items Nos. 2362 and 2363.*

I.—SCOPE.

This Specification covers the ferrous pigment known as Indian Red, purchased either as a dry pigment or ground in oil to form a paste.

II.—MANUFACTURE.

(a) Dry Pigment.—The dry pigment shall consist of mixtures of oxide of iron (Fe_2O_3) with silica or silicates, and shall be free from alkali and organic colouring matter.

(b) Paste.—The paste shall be made by thoroughly grinding the specified pigment with raw linseed oil, conforming to the requirements of Specification A.1, Paint Vehicles.

III.—PROPERTIES AND TESTS.

(a) Dry Pigment.—The pigment shall conform to the following requirements:—

	Maximum.	Minimum.
Coarse particles retained on Standard No. 200 screen, per cent.	0	..
Oxide of Iron, per cent.	..	95·0
Sulphur in any other form than Calcium Sulphate, per cent.	0·25	..
Organic colouring matter shall be absent.		

(b) Paste.—The paste as received shall not be caked in the container, and shall break up readily in oil to form a smooth paint of brushing consistency. The paste shall consist of:—

	Maximum.	Minimum.
Pigment (as specified above), per cent.	..	78
Linseed Oil, per cent.	22·0	..
Moisture and other volatile matter, per cent.	0·7	..
Coarse particles and skins (total residue retained on Standard No. 200 screen, based on pigment), per cent.	0·5	..

IV.—SAMPLING AND TESTING.

A sample shall be drawn from one unopened package, selected at random, from each delivery.

The Indian Red shall be tested according to the methods described in "Circular of the Australian Railways—Testing of Paint Materials."

VENETIAN RED.—SPECIFICATION B.7.—*Items Nos. 2365 and 2366.*

I.—SCOPE.

This Specification covers the ferrous pigment known as Venetian Red, purchased either as a dry pigment or ground in oil to form a paste.

II.—MANUFACTURE.

(a) Dry Pigment.—The dry pigment shall consist of oxide of iron (Fe_2O_3), and compounds of calcium, silicon, and aluminium, free from acid and alkali and organic colouring matter.

(b) Paste.—The paste shall be made by thoroughly grinding the specified pigment with raw linseed oil, conforming to the requirements of Specification A.1, Paint Vehicles.

III.—PROPERTIES AND TESTS.

(a) Dry Pigment.—The pigment shall conform to the following requirements:—

	Maximum.	Minimum.
Coarse particles retained on Standard No. 200 screen, per cent.	0	..
Oxide of Iron, per cent.	..	20

The remainder shall consist of Calcium Sulphate, Calcium Carbonate, Silica, or Silicates.

(b) Paste.—The paste as received shall not be caked in the container and shall break up readily in oil to form a smooth paint of brushing consistency. The paste shall consist of:—

	Maximum.	Minimum.
Pigment (as specified above), per cent.	..	70·0
Linseed Oil, per cent.	30·0	..
Moisture and other volatile matter, per cent.	0·7	..
Coarse particles and skins (total residue retained on Standard No. 200 screen, based on pigment), per cent.	0·5	..

IV.—SAMPLING AND TESTING.

A sample shall be drawn from one unopened package, selected at random, from each delivery.

The Venetian Red shall be tested according to the methods described in "Circular of the Australian Railways—Testing of Paint Materials."

APPENDIX "H"—continued.

COLOURS, PIGMENTS, AND DYES—continued.

IRON OXIDE.—SPECIFICATION B.8.—Items Nos. 2357 and 2358

I.—SCOPE.

This Specification covers Iron Oxide (Hæmatite) pigments of red and brown colours, purchased either as dry pigment or ground in oil to form a paste.

II.—MANUFACTURE.

(a) Dry Pigment.—The pigment shall be very finely ground iron oxide siliceous materials. Different grades shall be specified, and the order shall state which grade is required.

(b) Paste.—The paste shall be made by thoroughly grinding the specified pigment in raw linseed oil, conforming to the requirements of Specification A.1, Paint Vehicles.

III.—PROPERTIES AND TESTS.

(a) Dry Pigment.—The pigment shall conform to the following requirements:—

	Maximum.	Minimum.
Coarse particles retained on Standard No. 200 screen, per cent.	0·0	..
Ferric Oxide, per cent. . . . .	..	..
Material other than Ferric Oxide, insoluble siliceous matter and loss on ignition, per cent.	} To be filled in after tender is accepted.	
Organic colouring matter shall be absent.		

(b) Paste.—The paste as received and for three months thereafter shall not be caked in the container, and shall break up readily in oil to form a smooth paint of brushing consistency. It shall mix readily without curdling with linseed oil, turpentine, or volatile mineral spirits, or any combination of these.

The paste shall consist of:—

	Maximum.	Minimum.
Pigment (as specified above), per cent.	82·0	75·0
Linseed Oil, per cent.	25·0	18·0
Moisture and other volatile matter, per cent.	0·7	..
Coarse particles and skins (total residue retained on Standard No. 200 screen, based on pigment), per cent.	0·5	..

IV.—SAMPLING AND TESTING.

A sample shall be drawn from one unopened package, selected at random, from each delivery.

The Iron Oxide shall be tested according to the methods described in "Circular of the Australian Railways—Testing of Paint Materials."

OCHRE.—SPECIFICATION B.9.—Item No. 2356.

I.—SCOPE.

This Specification covers ferrous earthy pigments included under the general term "Ochre," purchased either as a dry pigment or ground in oil to form a paste.

II.—MANUFACTURE.

(a) Dry Pigment.—The pigment shall be a Hydrated Oxide of Iron permeating a siliceous base and shall be free from impurities and organic colouring matter.

(b) Paste.—The paste shall be made by thoroughly grinding the specified pigment in raw linseed oil conforming to the requirements of Specification A.1, Paint Vehicles.

III.—PROPERTIES AND TESTS.

(a) Dry Pigment.—The pigment shall conform to the following requirements:—

	Maximum.	Minimum.
Coarse particles retained on Standard No. 200 screen, per cent.	0·0	..
Iron Oxide, per cent. . . . .	..	17
Lime (CaO), per cent.	5	..
Lead Chromate	None*	..
Organic colouring matter shall be absent.		

(b) Paste.—The paste as received shall not be caked in the container, and shall break up readily in oil to form a smooth paint of brushing consistency. The paste shall consist of:—

	Maximum.	Minimum.
Pigment (as specified above), per cent.	71	69
Linseed Oil, per cent.	31	29
Moisture and other volatile matter, per cent.	0·7	..
Coarse particles and skins (total residue retained on Standard No. 200 screen, based on pigment), per cent.	0·5	..

IV.—SAMPLING AND TESTING.

A sample shall be drawn from one unopened package, selected at random, from each delivery.

The Ochre shall be tested according to the methods described in "Circular of the Australian Railways—Testing of Paint Materials."

* Oxford Ochres may contain Lead Chromate.

APPENDIX "H"—continued.

COLOURS, PIGMENTS, AND DYES—continued.

CHROME (YELLOW).—SPECIFICATION B.10.—Items Nos. 2348 and 2349.

I.—SCOPE.

This Specification covers the pigments known as Yellow Chromes, including Lemon, Middle, and Orange Chromes, purchased either as a dry pigment or ground in oil to form a paste.

II.—MANUFACTURE.

(a) Dry Pigment.—The pigment shall consist of Lead Chromate, together with lead compounds in such proportions as are appropriate to the shade of Chrome in question.

The order shall state whether Lemon, Middle, or Orange Chrome is desired.

(b) Paste.—The paste shall be made by thoroughly grinding the specified pigment in raw linseed oil, conforming to the requirements of Specification A.1, Paint Vehicles.

III.—PROPERTIES AND TESTS.

(a) Dry Pigment.—The pigment shall conform to the following requirements:—

	Maximum.
Coarse particles retained on Standard No. 200 screen, per cent ..	0
Material other than Chromates, Oxide, and Sulphate of Lead, per cent.	4

(b) Paste.—The paste as received shall not be caked in the container and shall break up readily in oil to form a smooth paint of brushing consistency. The paste shall consist of:—

	Maximum.	Minimum.
Pigment (as specified above), per cent. . . . .	..	..
Linseed Oil, per cent. . . . .	..	..
Moisture and other volatile matter, per cent.	0·7	..
Coarse particles and skins (total residue retained on Standard No. 200 screen, based on pigment), per cent.	0·5	..

IV.—SAMPLING AND TESTING.

A sample shall be drawn from one unopened package, selected at random, from each delivery.

The Chrome shall be tested according to the methods described in "Circular of the Australian Railways—Testing of Paint Materials."

GREEN.—SPECIFICATION B.11.—Item No. 2352.

I.—SCOPE.

This Specification covers the pigments known as Brunswick Green, Light, Middle, and Deep purchased as dry pigment.

II.—MANUFACTURE.

The pigment shall consist of Lead Chromate, Lead Sulphate, and Prussian Blue; combined with barytes and siliceous material without the addition of organic colouring matter. The order shall state what shade is required.

III.—PROPERTIES AND TESTS.

The pigment shall conform to the following requirements:—

	Maximum.	Minimum.
Coarse particles retained on Standard No. 200 screen, per cent.	0·0	..
Total Lead Chromate, Lead Sulphate, } Light and Middle and insoluble Prussian Blue (colour), } Deep .. .. .	..	15·0 9·0
per cent. . . . .	..	..
Material soluble in water, including soluble Prussian Blue, per cent.	0·5	..
Acid soluble, or water soluble Calcium in any form, calculated as CaO, per cent.	2·0	..
Material other than Colour and Barium Sulphate, per cent.	15·0	..

The remainder shall be Barium Sulphate.

IV.—SAMPLING AND TESTING.

A sample shall be drawn from one unopened package, selected at random, from each delivery.

Green pigments shall be tested according to the methods described in "Circular of the Australian Railways—Testing of Paint Materials."

APPENDIX "H"—continued.

COLOURS, PIGMENTS, AND DYES—continued.

SIENNA AND UMBER.—SPECIFICATION B.12.—Items Nos. 2367 to 2376.

I.—SCOPE.

This Specification covers those pigments known as Sienna and Umber, both Raw and Burnt purchased either as dry pigment or ground in oil to form a paste.

II.—MANUFACTURE.

(a) Dry Pigment.—The pigment shall be a Hydrated Oxide of Iron, with presence of Manganese, permeating an earthy base. It shall be free from acid and alkali and organic colouring matter. The order shall state whether Raw or Burnt Sienna or Umber is required.

(b) Paste.—The paste shall be made by thoroughly grinding the specified pigment in raw linseed oil, conforming to the requirements of Specification A.1, Paint Vehicles.

III.—PROPERTIES AND TESTS.

(a) Dry Pigment.—The pigment shall conform to the following requirements:—

	Sienna.		Umber.	
	Maximum.	Minimum.	Maximum.	Minimum.
Coarse particles retained on Standard No. 200 screen, per cent.	0.0	..	0.0	..
Manganese dioxide, per cent.	2.0	trace	..	7.0

The remainder shall consist of compounds of Iron, Silicon, and Aluminium.

(b) Paste.—The paste as received shall not be caked in the container and shall break up readily in oil to form a smooth paint of brushing consistency.

IV.—SAMPLING AND TESTING.

A sample shall be drawn from one unopened package, selected at random, from each delivery.

Sienna and Umber shall be tested according to the methods described in "Circular of the Australian Railways—Testing of Paint Materials."

CALCIUM CARBONATE.—SPECIFICATION C.1.—Item No. 2378.

I.—PROPERTIES AND TESTS.

The Calcium Carbonate shall conform to the following requirements:—

	Maximum.	Minimum.
Coarse particles retained on Standard No. 200 screen, per cent.	0.0	..
Calcium Carbonate, per cent.	..	95
Impurities, including moisture, per cent.	5	..

II.—SAMPLING AND TESTING.

A sample shall be drawn from one unopened package, selected at random, from each delivery.

Calcium Carbonate shall be tested according to the methods described in "Circular of the Australian Railways—Testing of Paint Materials."

SPECIFICATION FOR DRY TAN PIGMENT.—Item No. 2359.

The pigment shall consist of hydrated ferric oxide and silica of such a degree of fineness that when it is mixed with water and rubbed on a glass plate with a steel palette knife, no rasping shall be felt against the glass.

The pigment must be of good colour and must be free from acid, alkalies, sulphides, aniline colours, lakes, and colouring matter other than ferric oxide.

SPECIFICATION FOR B.A. AND S.F. DYE.—Items Nos. 2382 to 2385.

The Dye required shall be solutions of dyestuff in a suitable solvent, and shall be of the colours ordered.

The solutions of dyestuffs shall be of such a nature that they shall be suitable for mixing with other, and with shellac, and other resins dissolved in methylated spirits.

When used for colouring such varnish solutions the films resulting from its application shall have good covering power, shall be fast to light, water, and rubbing, and shall not impair any leather or other upholstery furnishings to which they have been applied.

APPENDIX "I."

SPECIFICATION FOR ACID, SULPHURIC, FOR STORAGE BATTERIES.—

Items Nos. 3665 to 3672.

DENSITY.—The acid shall have a density of 1·200 at a temperature of 15° Centigrade.

PURITY.—The acid shall not contain any trace of the following impurities:—Copper, platinum arsenic, or antimony, and shall be perfectly free from organic substances.

With regard to the following impurities, the quantities expressed in percentage of H_2SO_4 present shall not exceed:—

Iron	..	..	..	..	..	..	..	..	·01	per cent.
Chlorine	..	..	..	..	..	..	..	..	·002	„
Nitrogen (Total), as nitric acid, nitrate or ammonia	..	..	..	..	..	..	..	..	·01	„

Metals precipitated by sulphuretted Hydrogen except lead not more than 0·010 per cent.

Metals precipitated by Ammonium Sulphide not more than 0·010 per cent.

In addition to the above, the acid shall satisfy the following test:—On adding a small pellet of chemically pure zinc to a sample of acid, the evolution of gas after a quarter of an hour shall be very slight.

Tests to determine the purity of the acid shall be conducted at the Contractor's works before delivery.

SPECIFICATION FOR CALCIUM CARBIDE.—*Items Nos. 3685 to 3687.*

The Calcium Carbide required under these items shall be delivered in air-tight metal containers, and shall be reasonably free from dust and fine particles.

The Calcium Carbide shall be reasonably free from deleterious or inert impurities, and when tested shall be of such purity that one kilogram (35·3 ounces avoird.) of the carbide, on the application of excess water thereto, shall yield not less than 270 litres (9·5 cub. ft.) of acetylene gas when collected over water saturated with sodium chloride and at temperature of 15·5 deg. C.

The acetylene gas obtained, as described in clause 3, shall be tested for purity when it shall contain over 99% by volume of acetylene gas (C_2H_2), and moreover, when further tested for phosphine gas (PH_3), shall contain not more than 0·04% by volume thereof.

The Carbide supplied under Item 3685 shall be in lumps of the size known as 50/80 millimetres, and not less than 95% of the Carbide shall be of that size.

The Carbide supplied under Item 3686 shall be granulated, of the size known as 4/7 millimetres, and not less than 95% of the Carbide shall be of that size.

The Carbide supplied under Item No. 3687 shall be granulated of the size known as 7/15 millimetres, and not less than 95% of the Carbide shall be of that size.

SPECIFICATION FOR COPPER SULPHATE (TELEGRAPHIC CRYSTALS).—

Item No. 3692.

The Copper Sulphate shall contain not less than 99% of pure crystalline sulphate of copper, not more than 0·15% of sulphate of iron, and not more than 0·85% of extraneous water (not water of crystallization).

Tenderers must submit a sample of copper sulphate tendered with his tender.

Sample to be not less than one pound in weight.

The Copper Sulphate shall be chemically pure and suitable for use in Daniell Gravity Batteries.

(See also specification at head of schedule.)

SPECIFICATION FOR MURIATE OF AMMONIA.—*Items Nos. 3698 and 3699.*

GENERAL DESCRIPTION.—The material required under Item 3698 is Crystallized Ammonium Chloride (commonly termed Sal-Ammoniac or Muriate of Ammonia) containing not less than 99% NH_4Cl ; and that required under Item 3699 is tabloid Ammonium Chloride, NH_4Cl of the same purity.

STANDARD OF PURITY.—The material shall conform with the following requirements:—

- The crystals and tabloids respectively shall be clean and free from odour.
- 10 grammes of the material, added to 30 cubic centimetres of distilled water at 20° C., should rapidly dissolve with occasional shaking to a clear solution.
- The ash remaining after volatilization, by heating in a platinum dish 3 grammes of the material, should not amount to more than 0·75%.
- Lead, copper, and other metals. 10 cubic centimetres of 10% solution of the material in distilled water should show no appreciable darkening on the addition of an equal volume of hydrogen sulphide solution.

APPENDIX "I"—*continued*.SPECIFICATION FOR MURIATE OF AMMONIA—*continued*.

(e) The material shall contain—

- (i) Not more than 0·2 per cent. of sulphates, calculated in the forms of sulphuric anhydride SO_3 .
- (ii) Not more than 0·01 per cent. of iron, calculated in the form of oxide Fe_2O_3 .
- (iii) Not more than 0·001 per cent. of compounds of arsenic, calculated as the element As.

PACKING.—The material shall be packed in strong, sound kegs or cases, each containing 1 cwt. The kegs or cases must be made of dry well-seasoned new wood, of sufficient strength and suitably secured to prevent any loss of contents by leakage. The kegs or cases shall be well lined with strong brown paper.

Any delivery of second-hand, repaired, damaged, or brached kegs or cases will be liable to rejection.

MARKING.—All containers shall be legibly marked in stencil, with the name of the material the net weight of the contents, the brand or brand name, if any, and the name of the manufacturer.



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[1927.

Factories and Shops Acts.

DETERMINATION OF THE ENGINEERS AND BRASSWORKERS (SKILLED) BOARD.

IN accordance with the provisions of the Factories and Shops Acts, the Special Board appointed to "determine the lowest prices or rates which may be paid to any *skilled* persons employed in the process, trade, or business of—

(a) a brassfounder or brassfinisher, or in the process, trade, or business of a brassfounder or brassfinisher of any electrical apparatus or machinery or parts thereof :

(b) a mechanical engineer, including—

(1) a patternmaker,
(2) an iron and brass turner,
(3) a fitter,

(4) a blacksmith,
(5) a coppersmith,
(6) a planer,

(7) a slotter,
(8) a borer,
(9) a milling machiner,"

has made the following Determination :—

(1) That on the 19th November, 1927, the last previous Determination of this Board shall be revoked and replaced by this Determination.

(2) **APPRENTICES AND IMPROVERS.**

Wages per Week of 44 Hours.						Proportionate Number (by any Employer).	
BRASSWORKERS' SECTION.						BRASSWORKERS' SECTION.	
<i>Apprentices and Male Improvers.</i>						<i>Apprentices.</i>	
	<i>s. d.</i>	<i>s. d.</i>	<i>s. d.</i>	<i>s. d.</i>	<i>s. d.</i>	One apprentice to every three or fraction of three workers receiving not less than 93s. 6d. per week of 44 hours.	
1st year's experience	.. .. 17 6	.. .. 23 0	.. .. 37 0	.. .. 55 0	.. .. 70 0	<i>Improvers.</i>	
2nd " "	.. .. 19 0	.. .. 22 6	.. .. 30 0	.. .. 42 0	.. .. 50 0	Two improvers to every four or fraction of four workers receiving not less than 93s. 6d. per week of 44 hours.	
3rd " "	.. .. 24 6	.. .. 35 0	.. .. 42 0	.. .. 50 0	.. .. 58 0	ENGINEERS' SECTION.	
4th " "	.. .. 35 0	.. .. 42 0	.. .. 50 0	.. .. 58 0	.. .. 66 0	<i>Apprentices.</i>	
5th " "	.. .. 42 0	.. .. 50 0	.. .. 58 0	.. .. 66 0	.. .. 74 0	One apprentice to every three or fraction of three workers receiving not less than 96s. 6d. per week of 44 hours.	
<i>Female Improvers.</i>						Excepting in motor garages and places where the work of assembling and repairing motor vehicles is done, the proportion shall be one apprentice to each worker receiving not less than 96s. 6d. per week of 44 hours.	
ENGINEERS' SECTION.						<i>Improvers.</i>	
<i>Apprentices or Improvers.</i>						One improver to every five or fraction of five workers receiving not less than 96s. 6d. per week of 44 hours.	
	<i>s. d.</i>	<i>s. d.</i>	<i>s. d.</i>	<i>s. d.</i>	<i>s. d.</i>		
1st year's experience	.. .. 17 6	.. .. 23 0	.. .. 37 0	.. .. 55 0	.. .. 70 0		
2nd " "	.. .. 19 0	.. .. 22 6	.. .. 30 0	.. .. 42 0	.. .. 50 0		
3rd " "	.. .. 24 6	.. .. 35 0	.. .. 42 0	.. .. 50 0	.. .. 58 0		
4th " "	.. .. 35 0	.. .. 42 0	.. .. 50 0	.. .. 58 0	.. .. 66 0		
5th " "	.. .. 42 0	.. .. 50 0	.. .. 58 0	.. .. 66 0	.. .. 74 0		
Apprentices to patternmaking shall be paid 2s. 6d. per week more each year.							

(3)

Other Employees.	Day shift.			
	Wages per Week of 44 Hours.			
	Within a radius of 20 miles of G.P.O., Melbourne; Mildura and Gippsland Districts.	Geelong and Warrnambool Districts.	Ballarat, Bendigo, and Castlemaine Districts.	Other parts of Victoria where this Determination applies.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Forger or faggotter	6 6 6	6 8 0	6 0 6	6 4 0
Patternmaker	6 3 6	6 5 0	5 17 6	6 1 6
Electrical or oxy-acetylene welder	5 18 6	6 0 0	5 12 6	5 16 6
Toolmaker engaged in making or completing special precision tools which require greater skill to make or complete than is possessed by an ordinary fitter or turner	5 17 6	5 19 0	5 11 6	5 15 6
Gaugemaker or die sinker				
Toolsmith	5 14 6	5 16 0	5 8 6	5 12 6
Spring fitter	5 17 6	5 19 0	5 11 6	5 15 6
Fitter on marking-off table	5 17 6	5 19 0	5 11 6	5 15 6
Fitter on turbine blading				
Fitter on water meters				
Pipe fitter engaged in fitting or turning or bending work on metal pipes meant for carrying air or steam or water or ammonia, not including faucet or spigot jointing				
Other fitters				
Annealer or case-hardener or bulldozer				
Ajax forger, blacksmith, coppersmith, drop-hammersmith, beadley hammer-smith, oliver smith, general smith, or motor smith	5 14 6	5 16 0	5 8 6	5 12 6
Brassfinisher (engineering or other first class)				
Brassmoulder—jobbing only (other than stove moulders or those engaged in repetition work)				
Motor car mechanic, or tuner and tester				
Turner, borer, driller (cutter-bar), gear-cutter using milling machine, lapper or grinder using precision tools, miller (general or universal), planer, shaper, or slotter				
Brass moulders—not jobbing only—engaged in repetition work done on the plate system, or by moulding machines where not less than twenty articles are moulded consecutively				
Brassfinisher, not engineering or other first class				
Gear-cutter not using precision tools				
Lapper or grinder not using precision tools	5 6 6	5 8 0	5 0 6	5 4 6
Key-seating driller				
Planer—rail or plate edge				
Pipe fitter other than those engaged on high-pressure work, high-pressure air, ammonia or hydraulic work				
Casting dresser (brass)	4 19 6	5 1 0	4 13 6	4 17 6
Coremaker, female	2 15 4	2 16 2	2 12 1	2 14 3
Coremaker, male				
Driller, radial or multiple				
Driller, plain or twist drill				
Furnaceman				
Machinist making nuts, bolts, rivets, or dog spikes	5 2 6	5 4 0	4 16 6	5 0 6
Machinist (hydraulic or power press)				
Screwing machinist				
Sheetmetal or coppersmith's machinist				
Tapping machinist				
Brass polisher				

Leading hands—

- In charge of not less than three, and not more than ten employees 6s. per week extra
- In charge of more than ten employees 12s. per week extra

The following additional rates shall be paid to persons working—

- (a) where the artificial temperature is 130° F. or over 2s. per hour
- (b) where the artificial temperature is 115° F. or over 1s. per hour
- (c) where the artificial temperature is below zero, 1d. per hour for the first two hours, and thereafter 2d. per hour on the same day.

(4) OTHER SHIFTS.

The following percentages shall be added to the rates fixed for the day shift for persons employed on any of the following shifts:—

Afternoon or night shift—

- During first month's employment on such shift 25 per cent.
- Thereafter 5 per cent.
- Shift workers in a continuous process employed on a shift other than a day shift 5 per cent.

(5) SHIFTS.—That—

(a) The hour of beginning and the hour of ending each shift shall be between :—

				Where one Shift is Worked.	
				Time of Beginning.	Time of Ending.
Monday to Friday .. .. .	..	..	(Day shift)	7 a.m.	5 p.m.
Saturday .. .. .	..	..	(Day shift)	7 a.m.	12 noon
When two Shifts are Worked.					
Monday to Saturday .. .. .	..	..	(Day shift)	7 a.m.	3 p.m.
Monday to Saturday .. .. .	..	..	(Afternoon shift)	3 p.m.	11 p.m.
Where three Shifts are Worked.					
Monday to Saturday .. .. .	..	..	(Day shift)	7 a.m.	3 p.m.
Monday to Saturday .. .. .	..	..	(Afternoon shift)	3 p.m.	11 p.m.
Monday to Saturday .. .. .	..	..	(Night shift)	11 p.m.	7 a.m.

Any of the above times of beginning and ending may be varied on any job by mutual consent of the employer and the majority of the employees concerned, but in no case shall the total length of any shift be increased without payment for overtime.

(b) The higher rate to be paid for each hour or fraction of an hour worked by any employee other than a shift worker in a continuous process before or after his shift shall be time and a half for the first four hours, and thereafter double time.

(c) The higher rate to be paid for each hour or fraction of an hour worked by a shift worker in a continuous process before or after his shift shall be at the rate of double time.

But this does not apply to cases of arrangement between employees themselves, or to cases due to rotation of shifts or when the relief does not come on duty at the proper time, provided that where not less than eight hours' notice has been given to the employer by the employee that he will be absent from work and the employee whom he should relieve is not relieved, such employee unrelieved shall be paid time and a half for all time on duty after he has finished his ordinary shift.

For all time of duty on Sundays or holidays, even if in due course of rotation of shifts, such an employee shall be paid at the rate of time and a half.

(6) ALLOWANCES.—All employees working in a place where water is continually dripping from overhead, so that their clothing becomes saturated, or where there is water underfoot, in which the employee has to stand, to a depth exceeding 2 inches, so that the feet of the employee become wet, shall receive 1s. per day in addition to the rates prescribed in clause (3) for each day they are so employed.

All employees called upon to work in a compartment or place not properly ventilated, where access to it is through a manhole or similar opening, the dimensions of which compartment or place are such that, in order to do the work, it is necessary for the employee to work in a stooping, sitting, or otherwise cramped position, and in any case includes, in the case of a ship, the double-bottom tanks and bilges, shall be paid 3d. an hour extra whilst so engaged.

All employees working at ships bilges or in boiling-down works, lead works, sanitary works, and slaughter yards, shall be paid 1d. per hour beyond the ordinary wages payable to them.

Patternmakers, when engaged on lignum-vitae outside the workshop or fitting same to stern bushes, shall be paid 3d. per hour extra for all time so worked.

(7) TIME WAGES.—Any person employed on time wages for less than the number of hours fixed for an ordinary week's work shall for each hour worked up to one-half the number of hours fixed be paid at the ordinary wages rate with an addition of thirty-three and a third per centum.

(8) TRAVELLING TIME.—Persons employed on work away from the workshop, shall receive :—

(a) The fares necessarily expended in going to and fro.

(b) For time occupied in travelling either during or outside the usual working hours—

Payment at rates fixed in clause (3) up to a maximum of twelve hours, except on Sundays when time and a half shall be paid.

(9) SUNDAYS AND HOLIDAYS.—For all time of duty on Sundays or holidays, employees not in a continuous process shall be paid at double rate, except in the case of employees effecting repairs to or renewals to plant or machinery—which it is necessary to effect on Sundays or holidays to enable work to be safely resumed on Monday or the earliest working day—in which case payment shall be made at the rate of time and a half. This exception does not apply to work installing new machinery. Holidays mentioned in this determination shall include :—New Year's Day, Foundation Day (26th January), Good Friday, Easter Saturday, Easter Monday, King's Birthday, Eight Hours Day (21st April), Christmas Day, and Boxing Day; but if any other day be by Act of Parliament or Proclamation substituted for any of the above-named holidays, the special rate shall only be payable for work done on the day so substituted.

(10) PIECE-WORK.—The Board determines, under the provisions of section 144 of the *Factories and Shops Act 1915*, that any employer may fix and pay piece-work prices to any person or persons or classes of persons employed at any work for which the Board has fixed the minimum wage, provided that any such employer shall base such piece-work prices on the earnings of an average worker working under like conditions, and such piece-work prices shall be fixed so that an average worker can earn not less than the wages that are fixed by the Board for such work.

(11) DEFINITION.—"Continuous process," means a process in which the men are usually employed seven days every week or not less than eight hours per day for an unbroken period of not less than six days in the week.

(12) GRINDING TOOLS.—Each Patternmaker, at the end of his employment, shall be allowed an hour at ordinary rates for the purpose of grinding his tools.

(13) CARTING TOOLS.—The employer shall pay the cost of carting all patternmakers' tools to the shop or job (if any), not exceeding 3s., unless the worker is employed for at least two consecutive full weeks.

(14) EXTRA RATES NOT CUMULATIVE.—Extra rates in this determination prescribed, including rates for dirty work, confined spaces, wet, hot and cold places, are not cumulative so as to exceed the maximum of double the ordinary rates.

W. W. HARRIS,
Chairman.

A. G. ALLEN,
Secretary.

4th November, 1927.

