VICTORIA

GOVERNMENT GAZETTE.

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No. 93] **THURSDAY, AUGUST 22.** **[1929**

No.	Number of Tenders.	Particulars of Contract.	Country of Manufacture or Production.	Amount.	Name of Contractor.
995	..	Railway Stores Suspense Account, Act 2716, Section 105—Supply and delivery of Stores, as ordered from 1st July, 1929, to 30th September, 1930	As per annex ..	Rates as per annex	As per annex.

Melbourne, 20th August, 1929.

(No. 2.)

Schedule of Rates Contracts

FOR THE

SUPPLY OF STORES

TO THE

VICTORIAN RAILWAYS,

Period 1.7.1929 to 30.9.1930.

E. C. EYERS,

By order of The Victorian Railways Commissioners.

SUPPLY AND DELIVERY OF STORES.

As ordered, from 1.7.1929 to 30.9.1930.

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.

SCHEDULE No. 2.

NAMES, ADDRESSES, ETC., OF CONTRACTORS.

In cases where no Deposit Security is shown, the amount involved is less than £20, and a contract has not been executed nor Deposit Security lodged, excepting Cuming Smith and Coy., who refuse to sign a contract.

In cases marked with a star (*) the value is over £20 and less than £100, and although the Deposit Security shown has been lodged, a contract has not been executed.

Name of Contractor.	Address.	Contract No.	Deposit Security.	Item Numbers.
			£	
Allen-Liversidge (Aust.) Ltd.	Laura-street, North Fitzroy, N.7	42927	73	2686A, 2687A, 2688A, 2689A
Alston Soap & Candle Manufg. Co. Pty. Ltd.	Storey-street, Rozelle, N.S.W.	42926	32	1533, 1537
Andrew Jack, Dyson & Co. Pty. Ltd.	594 Lonsdale-street, Melbourne, C.1	42929	7	2295–2308
Australian General Electric Co. Ltd.	cr. Queen and Little Collins streets, Melbourne, C.1	42931	12	2603, 2613, 2627, 2637A
Australian Glass Manufactures Co. Ltd.	Spotswood, W.14	42933	14	2642B, 2643B
Australian Oxygen & Indust. Gases Pty. Ltd.	550 Latrobe-street, Melbourne, C.1	42928	82	2194, 2690, 2691
Australian Paper Manufactures Ltd.	Prince's-bridge, Melbourne, S.C.4	42930	102	2352, 2353, 2365, 2384A, 2385–2389, 2397
Automatic Telephones Ltd. ..	Box 1883K, Sydney, N.S.W.	42932	..	2605, 2617, 2619, 2624, 2651
Baldwins & J.C.M. (Aust.) Pty. Ltd.	95 Queen-street, Melbourne, C.1	42937	8	2245, 2246
Barnet Glass Rubber Co. Ltd.	289 Swanston-street, Melbourne, C.1	42944	..	2446
Bevan, E.P. & Son Pty. Ltd.	117 King-street, Melbourne, C.1	42938	..	2112–2120
Brazenall Mining & Smelting Co. Ltd.	89 Pitt-street, Sydney, N.S.W.	42935	37	1688
*Briginshaw, E. P.	97 Elizabeth-street, Melbourne, C.1	42941	3	2434, 2452, 2454, 2456, 2457, 2459, 2461–2463, 2471
Briscoe & Co. Ltd.	391 Little Collins-street, Melbourne, C.1	42936	24	1539, 1741–1748, 1773, 1775, 1909–1926, 2190, 2468
British General Electric Co. Ltd.	590 Bourke-street, Melbourne, C.1	42939	5	2601, 2644, 2650, 2657, 2661, 2662, 2663
British Insulated Cables Ltd.	499 Little Collins-street, Melbourne, C.1	42940	12	2602, 2614–2616, 2675
Broken Hill Pty. Co. Ltd. ..	422 Little Collins-street, Melbourne, C.1	42943	593	1501, 1501A, 1839, 1858–1860, 1878, 1879, 1900, 1903–1906, 1959, 1960, 1961
*Brooks, Robinson & Co. Ltd.	59 Elizabeth-street, Melbourne, C.1	42942	4	1510, 1515
Bryce, R. & Co., Pty. Ltd. ..	482 Collins-street, Melbourne, C.1	42945	26	1569, 1596, 1597, 1605, 1606, 1621, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185
*Clark, N. G.	100 King-street, Melbourne, C.1	42949	2	1575, 1591, 1592
*Coates & Co. Pty. Ltd. ..	99 Queen-street, Melbourne, C.1	42947	4	2210
Coop, Walter	Knox-place, Melbourne, C.1	42946	15	1772
Cooper, E. H., Pty. Ltd. ..	59 William-street, Melbourne, C.1	42948	16	2326, 2335, 2345–2349, 2351, 2357, 2362, 2366–2368, 2370, 2396
Cuming Smith & Co. Pty. Ltd.	65 William-street, Melbourne, C.1	..	..	1580–1587
Dane, Taylor & Co. Pty. Ltd.	501 Latrobe-street, Melbourne, C.1	42951	23	1984–2001
Davies, Baird & Robertson Pty. Ltd.	29 Brunswick-road, Brunswick, No. 10	42956	287	2223–2228

SCHEDULE No. 2—NAMES, ADDRESSES, ETC., OF CONTRACTORS—*continued.*

Name of Contractor.	Address.	Contract No.	Deposit Security.	Item Numbers.
			£	
Dean, W. & G., Pty. Ltd. ..	Equitable-place, Melbourne, C.1	42953	18	1566–1568, 2276, 2277, 2280, 2282–2284
Del Cott, Herbert, Pty. Ltd.	422 Little Collins-street, Melbourne, C.1	42955	8	2664A
Dickinson, John & Co. (Aust.) Ltd.	337 Latrobe-street, Melbourne, C.1	42954	173	2329, 2330, 2339, 2344, 2360, 2361, 2371, 2384, 2390, 2391, 2398
Duckett, E., & Sons ..	374 Lonsdale-street, Melbourne, C.1	42950	346	1774, 1927–1958, 1973, 1977–1983, 2002–2011, 2238–2243, 2247–2271
*Dunlop Perdriau Rubber Co. Ltd.	108 Flinders-street, Melbourne, C.1	42952	2	2429–2432, 2555, 2556, 2569–2573
*Eagle & Globe Steel Co. Ltd.	342 Swanston-street, Melbourne, C.1	42959	2	1967–1970
Edinburgh Varnish Works Pty. Ltd.	Burrows-street, Middle Brighton, S.5	42958	73	1502A, 1503A, 1504, 1509, 1513, 1518
Edison Swan Elec. Co. Ltd. ..	368 Little Collins-street, Melbourne, C.1	42957	12	2648, 2649
Edmunds Bros. & Co. ..	187A Flinders-lane, Melbourne, C.1	42960	17	2171–2176, 2181A, 2182A, 2183A, 2184A, 2185A
Felton, Grimwade & Co. Pty. Ltd.	342 Flinders-lane, Melbourne, C.1	42961	15	1563–1565, 1570, 1572–1574, 1576–1579, 1588, 1590, 1593, 1595, 1598, 1603, 1604, 1607, 1608, 1610, 1613–1615, 1619, 1620, 1627, 1628, 1631–1633, 1638, 2492–2494, 2496–2500, 2502, 2503, 2508, 2512–2516, 2519–2521, 2523, 2526, 2528, 2529, 2531–2539, 2542, 2543, 2545, 2546, 2548–2554, 2557, 2559, 2562, 2564, 2565, 2567, 2568, 2574, 2575, 2578–2581, 2584, 2585, 2587
Foster, C. R.	588 Bourke-street, Melbourne, C.1	42963	22	2600, 2606, 2608A, 2610–2612, 2618, 2620–2623, 2625, 2639, 2640, 2646, 2647, 2660, 2673, 2676
Gabb, C. R., & Co. ..	88 Franklin-street Melbourne, C.1	42966	15	2285–2294
Gardner, Waern & Co. Pty. Ltd	481 Flinders-street Melbourne, C.1	42965	78	2189, 2686, 2687, 2688, 2689
Gibson & Son	66 Jeffcott-street, West Melbourne, C.1	42964	19	1524
Gollin & Co. Pty. Ltd. ..	561 Bourke-street, Melbourne, C.1	42969	22	1543
Gordon & Gotch (Aust.) Ltd.	511 Little Collins-street, Melbourne, C.1	42967	19	2325, 2341, 2359, 2380
Government Printer, N.S.W.	Phillip-street, Sydney, N.S.W.	42968	..	2317
Hardie Trading Pty. Ltd. ..	581 Little Collins-street, Melbourne, C.1	42974	8	1571, 1616, 1621A, 1622, 1630
Harston, Partridge & Co. Pty. Ltd.	455 Little Collins-street, Melbourne, C.1	42962	5	2401, 2402, 2405, 2406
*Harvey, Alfred Pty. Ltd. ..	527 Collins-street, Melbourne, C.1	42973	2	2626, 2641, 2658, 2659
Head, H. & Co., Pty. Ltd. ..	43 Eastwood-street, Kensington, W.1	42970	..	1532
Herbert, Alfred (Aust,) Ltd.	503 Kent-street, Sydney	42972	5	2143–2149
Hicks, Atkinson & Sons Pty. Ltd.	348 Collins-street, Melbourne, C.1	42971	12	2482, 2501, 2504–2506, 2541, 2558, 2576, 2577
Jones, Harold A.	115 Elizabeth-street, Melbourne, C.1	42975	5 +5	2683
Joseph, J.	335 Flinders-lane, Melbourne, C.1	42976	14	2642A, 2643A
Kennett, C. E.	265 City-road, South Melbourne, S.C.5	42980	5	2654
Kitchen, J., & Sons Pty. Ltd.	Ingles-street, Port Melbourne, S.C.7	42978	13	1529, 1535, 1536

SCHEDULE No. 2.—NAMES, ADDRESSES, ETC., OF CONTRACTORS—*continued.*

Name of Contractor.	Address.	Contract No.	Deposit Security.	Item Numbers.
			£	
*Kodak (A/sia) Pty. Ltd. ..	284 Collins-street, Melbourne, C.1	42979	4	1623
Knox, Schlapp & Co. ..	360 Collins-street, Melbourne, C.1.	42977	132	1643–1668, 2665, 2666
Lascelles, Parrington Ltd. ..	101 King-street, Melbourne, C.1	42982	7	2136, 2139–2141, 2186, 2187
Lempriere, O. T., & Co. ..	Collins House, Melbourne, C.1	42981	39	1669, 1687, 1771
Lion Rolling Mills Pty. Ltd.	Grant-street, South Melbourne, S.C.4	42983	966	1781–1810, 1832–1835, 1846–1857, 1861–1877, 1880–1899, 1907
McKenzie & Holland (Aust.) Pty. Ltd.	Newport, W.15	42988	5	2661A
McPherson's Pty. Ltd. ..	582 Collins-street, Melbourne, C.1	42987	19	2015–2050, 2093–2096, 2103–2111, 2121–2134, 2142, 2652, 2653
McPherson's Pty. Ltd. as agents for Aust. Iron & Steel Ltd.	582 Collins-street, Melbourne, C.1	42934	292	1840–1845, 1908, 1959A, 1960A, 1961A, 1966
Mitchell, T., & Co. Pty. Ltd.	360 Lonsdale-street, Melbourne, C.1	42985	..	1542
Mt. Lyell Mining & Railway Co. Ltd.	381 Little Collins-street, Melbourne, C.1	42986	21	1624–1626
Mowling, G., & Son ..	Whitehall-street, Footscray, W.11	42984	12	1530, 1540
Noyes Bros. (Melb.) Pty. Ltd.	495 Bourke-street, Melbourne, C.1	42989	455	1670–1679, 1689–1709, 1711–1740, 2661B
Oxymel Oil & Paint Co. Pty. Ltd.	35 Yarra Bank-road, South Melbourne, C.1	42991	5	1505, 1506, 1508
Oxygen Service & Manufacturing Co. Pty. Ltd.	67 Roden-street, West Melbourne, C.1	42990	80	2188, 2191–2193, 2691A
*Paterson, R. C., & Co. Pty. Ltd.	442 Little Collins-street, Melbourne, C.1	42993	2	2281
Patience & Nicholson Ltd. ...	Railway-street, Maryborough	42992	15	2054–2092, 2135, 2137, 2138, 2150–2165
Ramsay & Hall Pty. Ltd. ..	383 Johnston-street, Abbotsford, N.9	42995	19	2403, 2404, 2407–2427
Robertson, D.	262 King-street, Melbourne, C.1	42994	7	2208, 2209
Robertson & Mullens Ltd. ..	107 Elizabeth-street, Melbourne, C.1	42997	6	2445, 2466, 2470, 2472–2474, 2479
Ruwolt, Chas., Pty. Ltd. ..	Victoria-street, Richmond, E.1	42996	482	2217A, 2218A, 2219A, 2220A, 2221A, 2222A, 2229A, 2232
Safeguard Chemical Co. Pty. Ltd.	Coventry-street, South Melbourne, S.C.4	43001	9	1525, 1525A, 1526
Sands & McDougall Pty. Ltd.	365 Collins-street, Melbourne, C.1	42999	10	1555, 1556, 2197, 2315, 2433, 2435–2437, 2439–2444, 2447, 2449–2451, 2453, 2458, 2460, 2464, 2467, 2480, 2483, 2486
Sands Hill Manufacturing Co.	34 Queen-street, Melbourne, C.1	43000	12	2233, 2234
Selby, H. B., & Co. ..	393 Swanston-street, Melbourne, C.1	43008	..	1561, 1562, 1589, 1594, 1617, 1629, 1634–1637
Sewell, G. F., Pty. Ltd. ..	64 Cross-street, West Footscray, W.12	43006	..	2655, 2656
Simpson, G., & Son ..	129 Church-street, Hawthorn, E.2	43004	15	2211–2213
Spicers & Detmold Ltd. ..	377 Lonsdale-street, Melbourne, C.1	42998	12	1548, 1550–1554, 1557, 2310–2312, 2314, 2316, 2318, 2319, 2438, 2448, 2455, 2475–2478, 2481, 2485
Steel Co. of Aust. Pty. Ltd. ..	Frith-street, Brunswick, N.10	43007	437	2217B, 2218B, 2219B, 2220B, 2221B, 2222B, 2229B
*Sterling Soap Pty. Ltd. ..	36 Oakover-road, Preston, N.18	43002	1	1541

SCHEDULE No. 2.—NAMES, ADDRESSES, ETC., OF CONTRACTORS—*continued.*

Name of Contractor.	Address.	Contract No.	Deposit Security.	Item Numbers.
			£	
Sunshine Porcelain Potteries Pty. Ltd.	314 Collins-street, Melbourne, C.1	43005	16	2642, 2643
Surgical Manufg. Co. Ltd. ..	378 Lonsdale-street, Melbourne, C.1	43003	5	2507, 2509, 2510, 2517, 2527, 2530, 2560, 2561, 2586
Taubmans Ltd.	24 Lonsdale-street, Melbourne, C.1	43011	48	1502, 1503, 1516, 1517
Thompson's Engineering & Pipe Co. Ltd.	Nelson-place, Williamstown, W.16	43010	437	2217, 2218, 2219, 2220, 2221, 2222, 2229
Tilley, A.	3 Surrey-road, South Yarra, S.E.1	43009	10	1534, 1538
United Engineering & Malleable Co. Pty. Ltd.	Gordon-street, West Footscray, W.11	43012	2	2217C
Victoria Iron Rolling Co. Pty. Ltd.	Geelong-road, Brooklyn	43013	403	1811–1828, 1830, 1831, 1901, 1959B
*Victoria Varnish Co. ..	198 Latrobe-street, Melbourne, C.1	43014	4	1512, 1514
*Walker, James	378 Little Collins-street, Melbourne, C.1	43017	1	2051–2053B, 2097–2102, 2667–2672
Wallace, A. J.	382 Lonsdale-street, Melbourne, C.1	43022	15	2340
*Warner & Webster ..	240 Swanston-street, Melbourne, C.1	43016	2	2524, 2525, 2540, 2547, 2563, 2566, 2588
Waxman, H. A., & Co. ..	30 Ovens-street, Brunswick, N.10	43020	5	2198–2204
White, Geo., & Co. ..	280 Post Office-place, Melbourne, C.1	43015	44	1680, 1681, 1749–1770
White, H. O., & Co. ..	515 Collins-street, Melbourne, C.1	43026	5	1971, 1972
Widdis Diamond Dry Cells Pty. Ltd.	119 Hawke-street, West Melbourne, C.3	43024	12	2608
Wiggins, Teape, & Alex. Pirie (Export) Ltd.	206 Queen-street, Melbourne, C.1	43019	71	2279, 2327, 2328, 2343, 2350, 2363, 2364, 2369, 2372, 2373, 2379, 2381–2383, 2393, 2394
Woolcott, L. W.	456 Little Collins-street, Melbourne, C.1	43021	20	2342, 2374–2378
Woolcott & Mackie Pty. Ltd.	408 Latrobe-street, Melbourne, C.1	43023	23	2332–2334, 2336–2338, 2354, 2355, 2356, 2358, 2392, 2395A
Workshops Manager ..	Spotswood	43025	..	2664
Wurcker, Max., Ltd. ..	376 Flinders-street, Melbourne, C.1	43018	..	2278, 2465
Yencken, E. L., & Co. Pty. Ld.	384 Little Collins-street, Melbourne, C.1	43027	7	1507, 1511

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

BENZOL.

See Appendix "E" for Specification.

(1.7.1929 to 30.9.1930.)

Payment.—As regards Item No. 1501, the payment will be made on gallonage calculated on the net weight in containers after discharge from tank wagon, and the specific gravity ascertained in Victorian Railways Laboratory from samples drawn from each delivery. As regards Item No. 1501A, gallonage will be determined by a calibrated stick.

Delivery.—The Benzol shall be delivered from the Contractor's tanks into 40-gallon containers at the Metropolitan Receiving Depot or into departmental tank at Deepdene. (The 40-gallon containers, the property of the Contractor, shall be returnable.)

As the use of Benzol may be discontinued during the contract period, acceptance has been made conditional on the Corporation having the right to cancel the contract at any time during its currency.

The rates are subject to the fluctuations in the market price of Benzol.

1501	Benzol, Specification N.4, in Contractor's 40-gallon containers from bulk wagon	N.S.W.	80,000 gals.	gallon	0 1 10½	The Broken Hill Pty. Co. Ltd.
1501A	Benzol, Specification N.4, delivered into Departmental tank at Deepdene	,,		do.	0 1 10	

VARNISHES.

See Appendix "F" for Specifications.

(1.7.1929 to 30.9.1930.)

	Varnish, in ½-gallon or 1-gallon tins, as ordered—					
†1502	Carriage, Hard Drying, Specification D.1 ..	N.S.W.	2,000 gals.	Imp. gallon	0 11 9	Taubmans Pty. Ltd.
†1502A	Carriage, Hard Drying, Specification D.1 ..	Vict.			0 11 9	Edinburgh Varnish Works Pty. Ltd.
†1503	Durable (Wearing Body) ,, ..	N.S.W.	2,500 ,,	do.	0 15 6	Taubmans Pty. Ltd.
†1503A	Durable (Wearing Body) ,, ..	Vict.		do.	0 15 6	Edinburgh Varnish Works Pty. Ltd.
†1504	Copal, Specification D.2	,,	200 ,,	do.	0 7 9	
†1505	,, Superfine	,,	8 ,,	do.	0 8 0	Oxymel Oil & Paint Co. Pty. Ltd.
†1506	Oak, Specification D.3	,,	200 ,,	do.	0 7 3	
†1507	Gold Size, Specification D.4, "G. W. & Co."	,,	350 ,,	do.	0 9 6	E. L. Yencken & Co. Pty. Ltd.
†1508	Japan, Black, Specification D.5.. ..	,,	100 ,,	do.	0 7 0	Oxymel Oil & Paint Co. Pty. Ltd.
†1509	Liquid Japan Drier (Terebine), Specification D.6	,,	3,000 ,,	do.	0 5 8	Edinburgh Varnish Works Pty. Ltd.
†1510	Paper, Specification D.7, "United" ..	N.S.W.	5 ,,	do.	0 12 0	Brooks, Robinson & Co. Ltd.
†1511	Spirit, White or Brown, as ordered, Specification D.8, "G. W. & Co."	Vict.	30 ,,	do.	0 7 6	E. L. Yencken & Co. Pty. Ltd.
†1512	Knotting, Specification D.9	N.S.W.	50 ,,	do.	0 10 0	Victoria Varnish Co.
†1513	French Polish	Vict.	900 ,,	do.	0 9 9	Edinburgh Varnish Works Pty. Ltd.
†1514	,, ,, White	N.S.W.	80 ,,	do.	0 15 6	Victoria Varnish Co.
†1515	Insulating, Quick Air-drying, Black, "United"	,,	300 ,,	do.	0 5 9	Brooks, Robinson & Co. Ltd.
†1516	Insulating, Quick Air-drying, Clear, in 1-gallon tins	,,	40 ,,	do.	0 9 3	Taubmans Pty. Ltd.
†1517	Varnish, Insulating, Black, Stoving, to Specification, in 4-gallon tins	,,	450 ,,	do.	0 8 9	
†1518	Varnish, Bronzine	Vict.	15 ,,	do.	0 10 6	Edinburgh Varnish Works Pty. Ltd.
1519 to 1523	Nil					

LIQUID DISINFECTANTS.

(1.7.1929 to 30.9.1930.)

The Disinfectant to be supplied under Item 1524 shall have a Rideal Walker Coefficient of not less than 18; and that supplied under Item 1525 shall have a Rideal Walker Coefficient of not less than 3.

	Disinfectant, Liquid—					
†1524	High Grade, "Hopol" No. 1, in iron cylinders	U.K.	5,000 gals.	Imp. gallon	0 6 0	Gibson & Son
†1525	Low Grade, in 40-gal. drums	Vict.		do.	0 1 4	Safeguard Chemical Co. Pty. Ltd.
†1525A	,, in 4-gal. tins	,,		do.	0 1 5	
†1526	Oil, Disinfectant, for use in Urinals, in 4-gal. tins	,,	650 ,,	do.	0 2 0	
1527 to 1528	Nil					

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

CANDLES, MATCHES, SOAP, PARAFFIN WAX, ETC.

(1.7.1929 to 30.9.1930.)

As regards Item No. 1543, 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 inside cotton bags inside single gunny bags and delivered at the Newport Workshops. Each package shall contain 140 lb. net of Wax.

Orders for Paraffin Wax to be placed (approximately) monthly in lots of about 1½ tons., and sufficient time allowed for importation. The rates tendered do not include wharfage, and 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. Storekeeper, Newport, to arrange.

Duty included at 10 per cent. ad valorem. Statutory declaration to be furnished by Shipping Clerk to Contractor.

The Contractor has been advised in the letter of acceptance to arrange for immediate importation of 1½ tons. The Storekeeper, Newport, will arrange to issue a covering order for this quantity on 1st July, 1929.

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 Comptroller of Stores. 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 the orders.

†1529	Candles, Stearine, full weight or short chamber, as ordered, "Electrine"	Vict.	9,000 lb.	lb.	0	0	7½	J. Kitchen & Sons Pty. Ltd.
†1530	Glycerine, pure, in 56-lb. tins	,,	300 ,,	do.	0	1	0	G. Mowling & Son
†1531	Matches, Wood Safety	..	1,500 gross boxes	gross of boxes		..		Nil
†1532	Soap, Liquid Cleanser, in 4-gallon tins, for use in floor scrubbing	Vict.	100 gals.	gallon	0	1	11	H. Head & Co. Pty. Ltd.
†1533	,, "Snowshine," in 6¼-oz. tablets ..	N.S.W.	30 lb.	tablet	0	0	1½	Alston Soap & Candle Mfg. Co. Ltd.
†1534	,, Powdered, in ½-lb. or 1-lb. packets, as ordered	Vict.	7,000 ,,	lb.	0	0	7	A. Tilley
†1535	,, Sand, in boxes of 72 x 12 oz. bars, 54 lb. per box	,,	250 boxes	box	0	11	0	J. Kitchen & Sons Pty. Ltd.
†1536	,, "Solvol"	,,	1,000 cakes	dozen	0	2	1	
†1537	,, Soft	N.S.W.	900 cwt.	cwt.	1	8	0	Alston Soap & Candle Mfg. Co. Ltd.
†1538	,, Toilet, in cakes	Vict.	2,200 lb.	lb.	0	0	6	A. Tilley
†1539	,, "Preservene," Golden Cloud Quality, in lieu of "Velvet," in boxes of approximately 34 bars	,,	40 boxes	cwt.	1	13	6	Briscoe & Co. Ltd.
†1540	,, "Special," yellow, in bars, 32's ..	,,	230 cwt.	do.	1	10	0	G. Mowling & Son
†1541	Soda Crystals, Washing, in ½-cwt. or 1¼-cwt. bags	,,	90 ,,	do.	0	6	6	Sterling Soap Pty. Ltd.
†1542	Tapers, Wax, thick, 22" long, "Price's" Dropless	U.K.	120 lb.	lb.	0	1	10	T. Mitchell & Co. Pty. Ltd.
†1543	Wax, Paraffin, for Tarpaulin Dressing ..	Burmah	50,000 ,,	do.	0	0	4¼	Gollin & Co. Pty. Ltd.
1544 to 1547	Nil							

GUM AND INKS.

(1.7.1929 to 30.9.1930.)

†1548	Gum, liquid, in 10-gallon kegs; empty kegs will be returned to the contractor at the Metropolitan Receiving Depot	Vict.	100 gals.	Imp. gallon	0	4	6	Spicers & Detmold Ltd.
†1549	Office Paste, 10-oz. bottles	..	800 bots.	bottle		..		Nil
	Ink—							
†1550	Blue Black, in casks; empty casks will be returned to the contractor at the Metropolitan Receiving Depot	Vict.	350 gals.	Imp. gallon	0	2	0	Spicers & Detmold Ltd.
†1551	,, in bottles, Imperial quarts ..	,,	500 qrts.	Imp. quart	0	1	2½	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate. £ s. d.	Name of Contractor.
			£			
	GUM AND INKS—*continued.*					
	Ink—*continued.*					
†1552	Blue Black Copying, Imperial pints ...	Vict.	250 pints	Imp. pint	0 1 0	Spicers & Detmold Ltd.
†1553	Green, 12-oz. bottles	,,	150 bots.	bottle	0 0 7	
†1554	Violet, 12-oz. bottles	,,	20 ,,	do.	0 0 8	
†1555	Metal Stamp, blue, 3-oz. bottles ..	,,	15 ,,	do.	0 1 1½	Sands & McDougall Pty. Ltd.
†1556	,, black, 3-oz. bottles ..	,,	8 lb.	do.	0 1 1½	
†1557	Fountain Pen, 4 oz.	,,	500 bots.	bottle	0 0 4	Spicers & Detmold Ltd.
1558 to 1560	Nil					

DRYSALTERIES, CHEMICALS, ETC.

(See Appendix " G " for Specification.)

(1.7.1929 to 30.9.1930.)

As regards Items 1580 to 1587, 7s. each for jars and 7s. each 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, and the arrangement may be terminated by the Corporation at any time should it so desire.

The containers for the items shown below shall be charged for by the Contractors on delivery, but credited to the Department on return in good order and condition at the Metropolitan Receiving Depot :—

Bottles at 2s. each.—Items 1562, 1565, 1570, 1574, 1576, 1588, 1593, and 1594.
Bottles at 2s. 6d. each.—Item 1566.
Item 1625. 140-lb. drums, 20s. 7-9-cwt. drums, £10 each.

Jars at 7s. each, Crates at 7s. each.—Items 1567, 1568, 1569, 1571, 1572, 1573, 1577, 1578, 1579, 1606.

1561	Acetone, chemically pure, in 1-lb. bottles ..	Vict.	6 lb.	lb.	0 4 0	H. B. Selby & Co.
	Acid—					
1562	Acetic, chemically pure, glacial	,,	6 ,,	do.	0 3 6	Felton, Grimwade & Co. Pty. Ltd.
1563	Boracic	U.K.	30 ,,	do.	0 0 5½	
1564	Gallic	,,	500 ,,	do.	0 3 3	
1565	Hydrochloric, chemically pure, in Winchester quarts	Vict.	300 ,,	do.	0 1 6	
	Muriatic, Hydrochloric, or Spirits of Salts, as ordered—					
1566	In Winchester quarts	,,	16 cwt.	cwt.	1 6 0	W. & G. Dean Pty. Ltd.
1567	In lots of 6 jars or less	,,	70 ,,	do.	1 5 6	
1568	In lots of 7 to 18 jars	,,		do.	1 5 6	
1569	In lots over 18 jars	,,		do.	1 3 0	R. Bryce & Co. Pty. Ltd.
	Nitric—					
1570	In Winchester quarts	,,	300 lb.	lb.	0 1 0	Felton, Grimwade & Co. Pty. Ltd.
1571	In lots of 6 jars or less	,,	1,000 ,,	do.	0 0 8½	Hardie Trading Pty. Ltd.
1572	In lots of 7 to 18 jars	,,		do.	0 0 8	Felton, Grimwade & Co. Pty. Ltd.
1573	In lots over 18 jars	,,		do.	0 0 7½	
1574	Chemically pure	,,	200 ,,	do.	0 1 6	
1575	Oxalic, in 1 cwt. kegs	Norway	450 ,,	do.	0 0 5¼	N. G. Clark
	Sulphuric—					
1576	In Winchester quarts	Vict.	250 ,,	do.	0 0 4	Felton, Grimwade & Co. Pty. Ltd.
1577	In lots of 6 jars or less	,,	1,500 ,,	do.	0 0 1½	
1578	In lots of 7 to 18 jars	,,		do.	0 0 1½	
1579	In lots over 18 jars	,,		ton	10 0 0	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate. £ s. d.	Name of Contractor.
	DRYSALTERIES, CHEMICALS, ETC.—*continued.*					
	Acid—*continued.*					
	Sulphuric, for Storage Batteries, delivered ex Contractors' Works to Shelter Shed, North Melbourne, in 3-gallon jars. Plus cartage, 12s. per ton for ton lots; less than ton lots, cartage to be assessed based on Master Carrier Association rates—					
	S.G. 1·100 to 1·215—					
1580	In lots 6 to 18 jars	Vict.	35 tons	lb.	0 0 2	Cuming, Smith & Co. Pty. Ltd.
1581	In lots 19 to 35 jars	,,		do.	0 0 1¾	
1582	In lots 36 to 51 jars	,,		ton	15 0 0	
1583	In lots 52 jars and over	,,		do.	12 10 0	
	S.G. 1·216 to 1·300—					
1584	In lots 6 to 18 jars	,,		lb.	0 0 2½	
1585	In lot 19 to 35 jars	,,		do.	0 0 2	
1586	In lots 36 to 51 jars	,,		ton	16 0 0	
1587	In lots 52 jars and over	,,		do.	13 0 0	
1588	Sulphuric, chemically pure, in ½-gallon stoppered bottles each containing 9 lb.	,,	350 lb.	lb.	0 1 6	Felton, Grimwade & Co. Pty. Ltd.
1589	Tartaric	U.K.	2 ,,	do.	0 1 8	H. B. Selby & Co.
1590	Alcohol, 90 per cent.	N.S.W.	4 gals.	gallon	2 10 0	Felton, Grimwade & Co. Pty. Ltd.
1591	Alum, Lump, in 2½ cwt. casks ..	U.K.	400 lb.	lb.	0 0 1½	N. G. Clark
1592	,, Powdered, in 2½ cwt. casks	,,	3,000 ,,	do.	0 0 1⅝	
	Ammonia, Liquid, ·880 sp.—					
1593	In Winchester quarts	Vict.	250 ,,	do.	0 0 8	Felton, Grimwade & Co. Pty. Ltd.
1594	Chemically pure, in Winchester quarts ..	,,	5 quarts	Win. quart	0 7 0	H. B. Selby & Co.
1595	Ammon. Hydro. Sulph.	U.K.	2 lb.	lb.	0 2 0	Felton Grimwade & Co. Pty. Ltd.
1596	Borax, Lump	,,	20 cwt.	cwt.	1 4 6	R. Bryce & Co. Pty. Ltd.
1597	,, Powdered	,,	4,000 lb.	do.	1 5 6	
1598	,, ,, Glass	,,	60 ,,	lb.	0 0 9	Felton, Grimwade & Co. Pty. Ltd.
1599	Calcium Carbide, in about 5-cwt. drums ..	..	5 tons	ton	..	Nil
1600	,, Carbide, Lump, in about 5-cwt. drums, 50/80	..	80 ,,	do.	..	
1601	,, ,, Granulated, in drums, 4/7	..	2 ,,	do.	..	
1602	,, ,, ,, ,, 7/15	..	12 ,,	do.	..	
1603	Candles, Sulphur, Nances'	Vict.	20 doz.	dozen	0 3 8	Felton, Grimwade & Co. Pty. Ltd.
1604	Camphor	Japan	10 lb.	lb.	0 3 6	
1605	Carbon, Bi-Sulph., in 5-gallon tins.. ..	Vict.	750 gals.	gallon of 12 lb.	0 7 9	R. Bryce & Co. Pty. Ltd.
1606	Formalin, Liquid, in 3-gallon jars	,,	1,200 lb.	lb.	0 0 9	
1607	Gum, Arabic	Soudan	24 ,,	do.	0 0 6	Felton, Grimwade & Co. Pty. Ltd.
1608	Lime, Chloride of, in 7-lb. or 14-lb. jars, as ordered	U.K.	28 ,,	do.	0 1 1	
1609	Lime, Sheffield, in 14-lb. tins	..	15 tins	tin	..	Nil
1610	Oil, Carbolic	Vict.	10 lbs.	lb.	0 2 0	Felton, Grimwade & Co. Pty. Ltd.
†1611	Muriate of Ammonia (Sal Ammoniac) ..	..	10 cwt.	cwt.	..	Nil
†1612	Muriate of Ammonia (Voltoids), ¾" diameter	..	25 ,,	do.	..	
1613	Powder, Carbolic, 15 per cent.	,,	3 ,,	do.	1 5 0	Felton, Grimwade & Co. Pty. Ltd.
1614	,, Talcum	Japan	28 lb.	lb.	0 0 3	
1615	Potash, American, Lump	Germany	28 ,,	do.	0 0 11	
1616	,, Prussiate of	U.K.	1,120 ,,	do.	0 0 9	Hardie Trading Pty. Ltd.
1617	Potassa Sulphurata, in air-tight receptacles, containing not more than 3 lb.	,,	6 ,,	do.	0 0 10	H. B. Selby & Co.
1618	Quicksilver	..	25 ,,	do.	..	Nil
1619	Salt, Common White	Vict.	40 cwt.	cwt.	0 6 0	Felton, Grimwade & Co. Pty. Ltd.
1620	,, ,, ,, fine, for Case-hardening	,,		do.	0 8 0	
1621	Shellac, White	,,	750 lb.	lb.	0 2 9	R. Bryce & Co. Pty. Ltd.
1621A	,, Orange or Brown, as ordered ..	India		do.	0 2 5	Hardie Trading Pty. Ltd.
1622	,, Button, for French Polishing ..	,,	400 ,,	do.	0 2 5	

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

DRYSALTERIES, CHEMICALS, ETC.—*continued.*

1623	Silver, Nitrate of, Crystal	Vict.	48 lb.	lb.	1 10 8	Kodak (A/asia) Pty. Ltd.
†1624	Soda, Caustic, Lump, 75/76 per cent., in drums	„	50 tons	ton	25 0 0	Mt. Lyell Mining and Railway Co. Ltd.
†1625	„ „ Liquid, 32 per cent. Na_2O, in drums of 140 lb., or 7/9 cwt.	„		do.	9 0 0	
†1626	„ „ Powdered, 1-lb. tins, 98/99 % NaOH	„	300 tins	tin	0 0 7	
†1627	„ „ Pure	Germany	4 lb.	lb.	0 2 4	Felton, Grimwade & Co. Pty. Ltd.
1628	Sodium, Bi-Carbonate, chemically pure ..	U.K.	1,250 „	do.	0 0 1¾	
1629	Sulphur, Crude	„	200 „	do.	0 0 1½	H. B. Selby & Co.
1630	„ Flowers of	Sicily	180 „	do.	0 0 2	Hardie Trading Pty. Ltd.
1631	Tubes, Glass, charged with 90 per cent. Sulphuric Acid, with blue bead, for **Conical** Fire Extinguishers, to Litho. No. 148/25 amended 28/1/28	Vict.	1,250	each	0 1 3	Felton, Grimwade & Co. Pty. Ltd.
1632	Tubes, Glass, charged with 90 per cent. Sulphuric Acid, with red bead, for **Cylindrical** Fire Extinguishers, to Litho. No. 148/25 amended 28/1/28	„		do.	0 1 3	
1633	Vaseline, pure, in 5 lb. tins	U.S.A.	50 lb.	lb.	0 1 6	
1634	Beakers, Pyrex Squat, 600 ccs.	U.K.	5 doz.	dozen	0 19 0	H. B. Selby & Co.
	Crucibles, Berlin, Porcelain, without covers—					
1635	No. 00	Germany	2 „	do.	0 5 0	
1636	No. 1	„	2 „	do.	0 8 0	
1637	Dishes, Evaporating, fine Berlin porcelain, 3″ diameter	„	5 „	do.	0 11 0	
1638	Flasks, Pyrex, round bottoms, 400 ccs. capacity	Czec. Slov.	1 „	each	0 1 6	Felton, Grimwade & Co. Pty. Ltd.
1639 to 1642	Nil					

COPPER TUBING, COPPER PHOSPHOR, COPPER ROD AND SHEET.

(1.7.1929 to 30.9.1930.)

SPECIFICATION FOR COPPER TUBING.—*Items Nos.* 1643 *to* 1668.

The Copper Tubing shall be in accordance with Specification No. E12–1925T. of the Australian Commonwealth Engineering Standards Association, except that each tube shall be tested by the Manufacturer with an hydraulic pressure of not less than 500 lb. per square inch, and the Contractor shall supply a certificate of such test with every delivery under this Contract. All other inspections and tests shall be carried out by and at the cost of the Corporation at the Rolling Stock Workshops, Newport.

Rejection.—Should any tube or test piece taken from any tube in a delivery not comply in every respect with the terms of this Specification the whole of such delivery shall be liable to rejection.

SPECIFICATION FOR COPPER PHOSPHOR.—*Item No.* 1669.

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.

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	„

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

COPPER TUBING, ETC.—*continued.*

SPECIFICATION FOR COPPER ROD $\frac{7}{8}$" TO $1\frac{3}{8}$".—*Items Nos.* 1673 *to* 1679.

The copper Rod shall be in accordance with Specification No. E9–1925T. of the Australian Commonwealth Engineering Standards Association (except where shown otherwise in this Specification).

Rejection.—Should the test pieces not comply in every respect to the satisfaction of the Comptroller of Stores 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.

All materials 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. 1643 to 1668, the rates are based on the price of £80 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 17s. 6d. or part thereof by which the price of Wire Bars published in the *Argus* newspaper on the date of the receipt of an order is greater than £80 14s. 11d. per ton or less than £79 17s. 6d. per ton respectively.

** As regards Items Nos. 1643 to 1668, in the event of any quantity less than 200 lb. being ordered under any of these items, 2d. per lb. extra will be charged. If any of the tubes required to be annealed an extra 0.5d. per lb. will be charged. For supply in "dead" lengths up to and including 18 feet, an extra 1d. per lb. will be charged, and for supply in 16–18 foot lengths 0.7d. per lb. extra.

Time for Delivery.—Six to eight weeks shall be allowed for delivery.

The material shall be invoiced to the nearest 0.25 lb. up or down.

* As regards Items Nos. 1670 to 1679, the rates are based on Electrolytic Copper Wire Bars at £84 10s. per ton, and shall vary in accordance with the price published in the *Argus* for Electrolytic Copper Wire Bars on the date the order is received.

* As regards Items Nos. 1680 and 1681, the rates are based on the price of Electrolytic Copper Wire Bars at £84 10s. per ton, and shall be varied by one-tenth of a penny per lb. of Sheets up or down for each complete 17s. 6d. or part thereof by which the price of Electrolytic Copper Wire Bars published in the *Argus* on the date of receipt of an order is greater or less than £84 10s.

If on any date when an order under any of the above items is placed no price of Wire Bars is published the price last published shall apply.

Name of Manufacturers—

Knox Schlapp & Co. **Metal Manufactures Ltd.**, New South Wales.
Noyes Bros. (Melb.) **Pty. Ltd.** **Austral Bronze Co.**, New South Wales.
Geo. White & Co. **Pty. Ltd.** Austral Bronze Co., New South Wales.

**	Copper Tubing, Solid Drawn, in 14′ to 18′ lengths							
1643	20 S.W. gauge, $\frac{3}{16}$" outside diameter ..	N.S.W.	1 cwt.	lb.	*0	2	5·5	Knox, Schlapp & Co.
1644	18 " $\frac{5}{8}$" " " ..	"	1 "	do.	*0	1	10·4	
1645	16 " $\frac{1}{4}$" " " ..	"	1 "	do.	*0	2	0·0	
1646	16 " $\frac{5}{16}$" " " ..	"	1 "	do.	*0	2	0·0	
1647	16 " $\frac{3}{8}$" " " ..	"	3 "	do.	*0	1	10·1	
1648	16 " $\frac{1}{2}$" " " ..	"	1 "	do.	*0	1	9·8	
1649	14 " $\frac{1}{2}$" " " ..	"	25 "	do.	*0	1	9·1	
1650	14 " $\frac{5}{8}$" " " ..	"	30 "	do.	*0	1	8·5	
1651	14 " $\frac{3}{4}$" " " ..	"	30 "	do.	*0	1	8·5	
1652	14 " $1\frac{1}{2}$" " " ..	"	1 "	do.	*0	1	7·2	
1653	12 " 1" " " ..	"	60 "	do.	*0	1	7·5	
1654	12 " $1\frac{1}{4}$" " " ..	"	40 "	do.	*0	1	6·8	
1655	12 " $1\frac{1}{2}$" " " ..	"	1 "	do.	*0	1	6·5	
1656	10 " $1\frac{1}{2}$" " " ..	"	40 "	do.	*0	1	6·5	
1657	10 " $1\frac{3}{4}$" " " ..	"	7 "	do.	*0	1	6·5	
1658	10 " 2" " " ..	"	10 "	do.	*0	1	6·5	
1659	10 " $2\frac{1}{4}$" " " ..	"	10 "	do.	*0	1	6·5	
1660	10 " $2\frac{1}{2}$" " " ..	"	10 "	do.	*0	1	6·5	
1661	8 " 1" " " ..	"	15 "	do.	*0	1	7·8	
1662	$\frac{3}{16}$" thick x 4" outside diameter ..	"	10 "	do.	*0	1	7·2	
1663	$\frac{3}{16}$" " $5\frac{1}{4}$" " " ..	"	30 "	do.	*0	1	7·8	
1664	$\frac{3}{16}$" " $5\frac{1}{2}$" " " ..	"	30 "	do.	*0	1	7·8	
1665	$\frac{1}{4}$" " $4\frac{3}{4}$" " " ..	"	20 "	do.	*0	1	7·2	
1666	$\frac{1}{4}$" " $5\frac{1}{2}$" " " ..	"	20 "	do.	*0	1	7·8	
1667	$\frac{1}{4}$" " 6" " " ..	"	25 "	do.	*0	1	7·8	
1668	$\frac{5}{16}$" " $4\frac{1}{2}$" " " ..	"	150 "	do.	*0	1	7·2	
1669	Copper Phosphor, 15 per cent. (minimum lots of 5 cwt.)	U.K.	15 "	do.	0	1	$8\frac{3}{4}$	O. T. Lempriere & Co.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate. £ s. d.	Name of Contractor.
	COPPER TUBING, ETC.—*continued.*					
	Copper Rod, Electrolytic—					
1670	¼″ diameter	N.S.W.	56 lb.	cwt.	*7 6 0	Noyes Bros. (Melb.) Pty. Ltd.
1671	⅜″ ,, ...	,,	28 ,,	do.	*7 6 0	
1672	½″ ,, ...	,,	14 ,,	do.	*7 6 0	
	Copper Rod for Loco. Fire Boxes—					
1673	⅞″ diameter	,,	1 ton	ton	*146 0 0	Noyes Bros. (Melb.) Pty. Ltd.
1674	1″ ,, ...	,,	50 tons	do.	*146 0 0	
1675	1 1/16″ ,, ...	,,	12 ,,	do.	*146 0 0	
1676	1⅛″ ,, ...	,,	15 ,,	do.	*146 0 0	
1677	1 3/16″ ,, ...	,,	8 ,,	do.	*146 0 0	
1678	1¼″ ,, ...	,,	6 ,,	do.	*146 0 0	
1679	1⅜″ ,, ...	,,	10 cwt.	do.	*146 0 0	
1680	Copper Sheet, best hard rolled or soft cold rolled, in the following trade sizes :—12 to 26 gauge—8′ x 4′, 8′ x 3′, 6′ x 4′, 6′ x 3′, 6′ x 2½′, 6′ x 2′, and 4′ x 2′; 27 to 30 gauge—8′ x 3′, 6′ x 3′, 6′ x 2½′, 6′ x 2′, and 4′ x 2′; 31 to 34 gauge—in strip not over 15″ in width	,,	9 tons	lb.	*0 1 7¾	Geo. White & Co.
1681	Copper Sheet, soft or hot rolled, in the following trade sizes :—12 to 26 gauge—8′ x 4′, 8′ x 3′, 6′ x 4′, 6′ x 3′, 6′ x 2½′, 6′ x 2′, and 4′ x 2′; 27 to 30 gauge—8′ x 3′, 6′ x 3′, 6′ x 2½′, 6′ x 2′, and 4′ x 2′; 31 to 34 gauge—in strip not over 15″ in width	,,		do.	*0 1 6¾	

METALS—ALUMINIUM, ANTIMONY, BRASS (ROD, SHEET, AND TUBING), LEAD, AND ZINC.
(1.7.1929 to 30.9.1930.)

The Pig Lead (Item No. 1771) shall be paid for at the mean of the "spot" and "forward" cabled market price for Pig Lead and Zinc (Item No. 1773) at the latest cabled market spot price for Spelter quoted in the Melbourne morning daily newspapers prior to the service of the order (unless, in the judgment of the Comptroller of Stores, 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) minus or plus the sum set opposite to Items Nos. 1771 and 1773 in the Schedule, always provided that if, in the judgment of the Comptroller of Stores, 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 Comptroller of Stores on evidence satisfactory to him, and such determination by the Comptroller of Stores shall be final and binding, and the rate of payment for the Pig Lead or Zinc referred to on the particular order shall be in accordance with the price so determined by the Comptroller of Stores, minus or plus the sum set opposite to Items Nos. 1771 and 1773 as aforesaid as the case may be.

The Sheet Zinc to be supplied under Item 1775 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.

SPECIFICATION FOR BRASS ROD (HARD ROLLED)—*Items Nos.* 1689 *to* 1740.

The rods shall be of the best quality, workmanship, and materials.
The rods shall be sound and free from all surface defects.
The rods shall be straight and not more than .002″ over or under the specified diameter
The rods shall be within the following limits of chemical composition—

Copper	58 to 63 per cent.
Lead	1·5 to 2·0 per cent.
Zinc	Remainder.

Longitudinal test pieces, when cut from the bars and having length equal to the diameter of the Bar, shall stand flattening hot until reduced to 20 per cent. of their original length without cracking. The flattening shall be in a direction parallel to the length of the bar.

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. 1749 to 1770, the rates are based on the price of electrolytic copper wire bars at £84 per ton, and will vary up or down by 1/10th of a penny per lb. for each complete 17s. 6d. or part thereof by which the price of wire bars published in the *Argus* newspaper on the date of receipt of an order is greater or less than £84 per ton. If on any day no price of electrolytic copper wire bars is published, the price last published shall apply.

* As regards Items Nos. 1689 to 1709, and 1711 to 1740, the rates are based on electrolytic copper wire bars from £80 to £85 per ton, and will vary by 2s. 4d. per cwt. for every £5 or part per ton, variation in the published price of electrolytic copper wire bars on the date of receipt of an order. The rate published in the *Argus* on the date of receipt of an order or the most recent prior date shall be regarded as the published price.

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

METALS—*continued.*

Name of Manufacturers—

Items Nos. 1689–1709, 1711–1740.—Austral Bronze Co., New South Wales.
Items Nos. 1741 to 1748.—Kynoch Ltd., England.
Items Nos. 1749 to 1770.—Metal Manufacturers Ltd., New South Wales.

†1687	Aluminium, Ingot, minimum quantities of 10 cwt.	U.K.	50 cwt.	cwt.	5 7 9	O. T. Lempriere & Co.
†1688	Antimony, Ingot, Regulus of, 99·5 per cent. pure	N.S.W.	450 ,,	do.	3 5 0	Brazenall Mining & Smelting Co., Ltd.
	BRASS.					
	Brass, Rod, hexagon, hard rolled, in 6′ to 8′ lengths, Whitworth Standard, including Brass Rods of special alloy for drop forging work—					
1689	$\frac{3}{16}$″ width across flat	N.S.W.		cwt.	*6 15 0	
1690	$\frac{1}{4}$″ width across flat, max. ·255, min. ·250, for nuts	,,		do.	*5 12 0	
1691	$\frac{21}{64}$″ width across flat, max. ·338, min. ·333, for $\frac{1}{8}$″ nuts	,,		do.	*5 12 0	
1692	$\frac{7}{16}$″ width across flat, max. ·448, min. ·443, for $\frac{3}{16}$″ nuts	,,		do.	*5 12 0	
1693	$\frac{31}{64}$″ width across flat	,,		do.	*5 12 0	
1694	$\frac{33}{64}$″ width across flat, max. ·525, min. ·520, for $\frac{1}{4}$″ nuts	,,		do.	*5 12 0	
1695	$\frac{19}{32}$″ width across flat, max. ·600, min. ·595, for $\frac{5}{16}$″ nuts	,,		do.	*5 12 0	
1696	$\frac{45}{64}$″ width across flat, max. ·710, min. ·705, for $\frac{3}{8}$″ nuts	,,		do.	*5 12 0	
1697	$\frac{13}{16}$″ width across flat, max. ·820, min. ·815, for $\frac{7}{16}$″ nuts	,,		do.	*5 12 0	
1698	$\frac{29}{32}$″ width across flat, max. ·920, min. ·915, for $\frac{1}{2}$″ nuts	,,		do.	*5 12 0	
1699	$1\frac{1}{64}$″ width across flat, max. 1·010, min. 1·002, for $\frac{9}{16}$″ nuts	,,		do.	*5 12 0	
1700	$1\frac{3}{32}$″ width across flat, max. 1·1, min. 1·092, for $\frac{5}{8}$″ nuts	,,	500 cwt.	do.	*5 12 0	Noyes Bros. (Melb.) Pty. Ltd.
1701	$1\frac{13}{64}$″ width across flat, max. 1·200, min. 1·192, for $\frac{11}{16}$″ nuts	,,		do.	*5 12 0	
1702	$1\frac{19}{64}$″ width across flat, max. 1·300, min. 1·292, for $\frac{3}{4}$″ nuts	,,		do.	*5 12 0	
1703	$1\frac{25}{64}$″ width across flat, max. 1·390, min. 1·382, for $\frac{13}{16}$″ nuts	,,		do.	*5 12 0	
1704	$1\frac{31}{64}$″ width across flat, max. 1·480, min. 1·472, for $\frac{7}{8}$″ nuts	,,		do.	*5 12 0	
1705	$1\frac{43}{64}$″ width across flat, max. 1·670, min. 1·662, for 1″ nuts	,,		do.	*5 12 0	
1706	$1\frac{55}{64}$″ width across flat, max. 1·860, min. 1·850, for $1\frac{1}{8}$″ nuts	,,		do.	*5 12 0	
1707	$2\frac{3}{64}$″ width across flat, max. 2·050, min. 2·040, for $1\frac{1}{4}$″ nuts	,,		do.	*5 12 0	
1708	$2\frac{7}{32}$″ width across flat, max. 2·220, min. 2·200	,,		do.	*5 12 0	
1709	$2\frac{13}{32}$″ width across flat, max. 2·410, min. 2·390	,,		do.	*5 12 0	
1710	$2\frac{5}{8}$″ width across flat	,,		..	..	Nil
	Brass, Rod, round, hard rolled, in 6′ to 8′ lengths for general use, or drop forgings, as ordered—					
1711	$\frac{1}{8}$″ diameter	N.S.W.		do.	*6 15 0	
1712	$\frac{3}{16}$″ ,, ...	,,		do.	*6 10 0	
1713	$\frac{1}{4}$″ ,, ...	,,		do.	*6 6 0	
1714	$\frac{5}{16}$″ ,, ...	,,	See next page.	do.	*6 1 4	Noyes Bros. (Melb.) Pty. Ltd.
1715	$\frac{3}{8}$″ ,, ...	,,		do.	*5 5 0	
1716	$\frac{7}{16}$″ ,, ...	,,		do.	*5 5 0	
1717	$\frac{1}{2}$″ ,, ...	,,		do.	*5 5 0	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate. £ s. d.	Name of Contractor.
	METALS—*continued.*					
	BRASS—*continued.*					
	Brass, Rod, round, hard rolled, in 6′ to 8′ lengths, for general use or drop forgings—*continued.*					
1718	$\frac{9}{16}$″ diameter	N.S.W.		cwt.	*5 5 0	
1719	$\frac{5}{8}$″ ,, ...	,,		do.	*5 5 0	
1720	$\frac{11}{16}$″ ,, ...	,,		do.	*5 5 0	
1721	$\frac{3}{4}$″ ,, ...	,,		do.	*5 5 0	
1722	$\frac{13}{16}$″ ,, ...	,,		do.	*5 5 0	
1723	$\frac{7}{8}$″ ,, ...	,,		do.	*5 5 0	
1724	$\frac{15}{16}$″ ,, ...	,,		do.	*5 5 0	
1725	1″ ,, ...	,,		do.	*5 5 0	
1726	$1\frac{1}{8}$″ ,, ...	,,		do.	*5 5 0	
1727	$1\frac{3}{16}$″ ,, ...	,,		do.	*5 5 0	
1728	$1\frac{1}{4}$″ ,, ...	,,	250 cwt.	do.	*5 5 0	
1729	$1\frac{3}{8}$″ ,, ...	,,		do.	*5 5 0	Noyes Bros. (Melb.) Pty. Ltd.
1730	$1\frac{1}{2}$″ ,, ...	,,		do.	*5 5 0	
1731	$1\frac{5}{8}$″ ,, ...	,,		do.	*5 5 0	
1732	$1\frac{3}{4}$″ ,, ...	,,		do.	*5 5 0	
1733	$1\frac{7}{8}$″ ,, ...	,,		do.	*5 5 0	
1734	2″ ,, ...	,,		do.	*5 5 0	
1735	$2\frac{1}{4}$″ ,, ...	,,		do.	*5 5 0	
1736	$2\frac{1}{2}$″ ,, ...	,,		do.	*5 5 0	
1737	$2\frac{5}{8}$″ ,, ...	,,		do.	*7 0 0	
1738	$2\frac{3}{4}$″ ,, ...	,,		do.	*7 0 0	
1739	3″ ,, ...	,,		do.	*7 0 0	
	Brass Rod, square, hard rolled, in 6′ to 8′ lengths					
1740	1″	,,	15 cwt.	do.	*5 12 0	
	Brass, Sheet, Best, hard rolled—					
1741	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.		lb.	0 1 $1\frac{1}{4}$	
1742	6′ x 2′ x any of the following thicknesses as ordered :—$\frac{3}{16}$″, $\frac{1}{4}$″, or $\frac{5}{16}$″	,,	30 cwt.	do.	0 1 1	Briscoe & Co. Ltd.
1743	6′ x 3′ x any of the following gauges as ordered :—24, 20, 16, 18, 14, 12, or 10	,,		do.	0 1 $1\frac{3}{4}$	
1744	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 $1\frac{1}{4}$	
	Brass, Sheet, Best, soft rolled—					
1745	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	U.K.	20 cwt.	lb.	0 1 $1\frac{1}{4}$	Briscoe & Co. Ltd.
1746	6′ x 2′ x $\frac{3}{16}$″ or $\frac{1}{4}$″ thick as ordered ..	,,		do.	0 1 1	
1747	4′ x 1′ x $\frac{1}{2}$″, $\frac{5}{8}$″, $\frac{3}{4}$″, $\frac{7}{8}$″, or 1″ thick as ordered	,,		do.	0 1 1	
1748	6′ x 3′ x any of the following gauges as ordered :—22, 20, 18, 16, 14, 12, or 10	,,		do.	0 1 $1\frac{1}{2}$	
	Brass Tubing (except Boiler Tubes), solid drawn—any length ordered—					
1749	$\frac{1}{4}$″ x 22, 18, or 16 gauges as ordered ..	N.S.W.		do.	*0 2 8	
1750	$\frac{5}{16}$″ x 20, 18, or 16 gauges as ordered ..	,,		do.	*0 2 8	
1751	$\frac{3}{8}$″ x 20, 18, 16, 14, 12, or 10 gauges as ordered	,,		do.	*0 2 6	
1752	$\frac{7}{16}$″ x 20, 18, 16, or 14 gauges as ordered	,,		do.	*0 2 6	
1753	$\frac{1}{2}$″ x 20, 18, 16, 14, or 10 gauges as ordered	,,		do.	*0 2 4	
1754	$\frac{9}{16}$″ x 20, 18, or 16 gauges as ordered ..	,,		do.	*0 2 4	
1755	$\frac{5}{8}$″ x 20, 18, 16, 14, 12, or 10 gauges as ordered	,,	See next page	do.	*0 2 3	George White & Co.
1756	$\frac{3}{4}$″ x 20, 18, 16, 14, 12, or 10 gauges as ordered	,,		do.	*0 2 1	
1757	$\frac{13}{16}$″ x 22, 16, or 10 gauges as ordered ..	,,		do.	*0 2 1	
1758	$\frac{7}{8}$″ x 20, 18, 16, 14, 12, or 10 gauges as ordered	,,		do.	*0 2 1	
1759	1″ x 20, 18, 16, 14, 12, or 10 gauges as ordered	,,		do.	*0 2 1	
1760	$1\frac{1}{8}$″ x 20, 18, 16, 14, 12, or 10 gauges as ordered	,,		do.	*0 2 1	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate. £ s. d.	Name of Contractor.
	METALS—*continued.*					
	BRASS—*continued.*					
	Brass Tubing, &c.—*continued.*					
1761	1¼″ x 20, 18, 16, 14, 12, or 10 gauges as ordered	N.S.W.	10 cwt.	lb.	*0 2 2.5	George White & Co.
1762	1½″ x 20, 18, 16, 14, 12, or 10 gauges as ordered	,,		do.	*0 2 2.5	
1763	2″ x 18, 16, 14, 12, or 10 gauges as ordered	,,		do.	*0 2 2	
1764	2 3/16″ x 16 gauge	,,		do.	*0 2 2	
1765	2¼″ x 18 gauge	,,		do.	*0 2 4.5	
1766	2½″ x 16 gauge	,,		do.	*0 2 2.	
1767	3″ x 16 gauge	,,		do.	*0 2 3	
1768	3¼″ x 16 gauge	,,		do.	*0 2 3	
1769	3⅜″ x 16 gauge	,,		do.	*0 2 6	
1770	4″ x 16 gauge	,,		do.	*0 2 6	
	LEAD.				Mean of "Spot" and "Forward" market rates less	
1771	Lead, Pig, soft, remelted	Vict.	50 tons	ton	0 15 0	O. T. Lempriere & Co.
1772	,, Sheet, best rolled, of an even thickness throughout, smooth, and free from all defects, any thicknesses ordered, and cut to any sizes ordered	,,	15 ,,	do.	34 0 0	Walter Coop.
	ZINC.				Market Rate plus	
1773	Zinc, Electrolytic, 99·9 per cent.	Tas.	75 cwt.	cwt.	0 8 0	Briscoe & Co. Ltd.
1774	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.	1,000 sq. ft.	sq. ft.	0 0 2 7/16	E. Duckett & Sons.
1775	,, Sheet, Plain, any thicknesses ordered, No. 8 to No. 14 Zinc gauges	,,	4 cwt.	cwt.	2 8 0	Briscoe & Co. Ltd.
1776 to 1780	Nil.					

IRON.

(1.7.1929 to 30.9.1930.)

The Iron to be supplied under Items Nos. 1805 to 1810 inclusive shall be subject to the following specifications, 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 dimension, 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 1¼ 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 or by a succession of light blows, when they shall show a fibrous fracture free from slag or dirt.

(*g*) Rejection.—Should the material fail to comply in any 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.

IRON—*continued.*

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 £2 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, for the Victoria Iron Rolling Co. Pty. Ltd., and the rates set opposite to items numbered respectively 1830 to 1835 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 £3 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 Comptroller of Stores.

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.

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.

The Nut Ingot Iron shall have a sulphur content of ·12 per cent.

SPECIFICATION FOR ITEMS Nos. 1811–1829.

The Ingot Iron Billets shall show on analysis :—

Carbon	Maximum,	0·10 per centum
Sulphur	,,	0·07 ,,
Phosphorus	,,	0·07 ,,
Silicon	Minimum,	0·10 per centum ; Maximum, 0·30 per centum
Manganese	Maximum,	0·50 per centum

The Contractor shall submit analysis of each cast with each delivery of the Ingot Iron Billets.

Freedom from Defects.—The Ingot Iron Billets shall be free from cracks, surface flaws, laminations, and all other defects, cut square, and finished in a workmanlike manner. Sufficient discard shall be cropped to remove all pipe or contraction cavities. The Ingot Iron Billets and Bars shall be true to the dimensions as set opposite Items Nos. 1811 to 1829 inclusive within the following limits of tolerance :—

Billets { Section dimensions under 4 inches, not more than $\frac{1}{16}$ inch over or under.
Billets { Section dimensions 4 inches to 6 inches, not more than $\frac{3}{16}$ inch over or $\frac{1}{16}$ inch under.

Bars.—Plus or minus $2\frac{1}{2}$ per cent. of the calculated weight.

Branding and Painting.—Each Billet shall be distinctly stamped with the cast number, and shall be painted white with black band on the ends.

Impact Test.—A test piece, machined cold from the material as delivered, 10 mm. square, having a 45-degree notch 2 mm. deep, shall absorb not less than 60 ft./lb. of energy when broken in a standard izod impact testing machine.

Brinell Test.—Ingot Iron Billets shall show a hardness number of not less than 100 when measured by the Brinell test.

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

Weights.—All weights shall be ascertained by weighing the Ingot Iron Blooms on the weighbridge scales or other weighing machines of the Corporation at Newport, Victoria, and all such weights so ascertained by the Comptroller of Stores shall for all purposes be accepted by the parties to this Contract as correct and final and binding.

The Contractor shall, during the currency of this Contract, furnish the Comptroller of Stores, with the address or addresses of the place or places at which the Iron is being manufactured, and the Comptroller of Stores, 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.

Inspection of the material ordered on the Victoria Iron Rolling Co. Pty. Ltd. will be conducted at the Company's works. The Company is to provide transport of the inspector to and from Newport. Notwithstanding that the material shall have been inspected and passed at the Company's works, the Contractor shall replace any material found to be defective in the course of fabrication, if, in the opinion of the Comptroller of Stores, the material in question has been properly treated.

In the event of there being any reduction in the working hours due to any Arbitration Court Award, the rates tendered by the Victoria Iron Rolling Co. Pty. Ltd. shall be subject to review by the Comptroller of Stores.

The contract with this Company provides for delivery f.o.r. Little Brooklyn.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate. £ s. d.	Name of Contractor.
	IRON—*continued.*					
	Flat, any lengths ordered and in any of the following thicknesses and sizes as ordered—					
1781	$\frac{3}{4}$″ x $\frac{7}{10}$″ to $\frac{5}{8}$″, advancing by 1/32″ ..	Vict.		ton	16 0 0	
1782	$\frac{7}{8}$″ x $\frac{7}{10}$″ to $\frac{5}{8}$″ ,, ,, ..	,,		do.	16 0 0	
1783	1″ x $\frac{1}{4}$″ to $\frac{5}{8}$″ ,, ,, ..	,,		do	16 0 0	
1784	1$\frac{1}{8}$″ x $\frac{1}{4}$″ to $\frac{3}{4}$″ ,, ,, ..	,,		do.	16 0 0	
1785	1$\frac{1}{4}$″ x $\frac{1}{4}$″ to $\frac{7}{8}$″ ,, ,, ..	,,		do.	16 0 0	
1786	1$\frac{3}{8}$″ x $\frac{1}{4}$″ to 1″ ,, ,, ..	,,		do	16 0 0	
1787	1$\frac{1}{2}$″ x $\frac{1}{4}$″ to 1″ ,, ,, ..	,,		do.	16 0 0	
1788	1$\frac{3}{4}$″ x $\frac{1}{4}$″ to 1″ ,, ,, ..	,,		do.	16 0 0	
1789	2″ x $\frac{1}{4}$″ to 1$\frac{1}{4}$″ ,, ,, ..	,,		do.	16 0 0	
1790	2$\frac{1}{4}$″ x $\frac{1}{4}$″ to 1$\frac{1}{2}$″ ,, ,, ..	,,	50 tons	do.	16 0 0	
1791	2$\frac{1}{2}$″ x $\frac{1}{4}$″ to 1$\frac{1}{2}$″ ,, ,, ..	,,		do.	16 0 0	
1792	2$\frac{3}{4}$″ x $\frac{1}{4}$″ to $\frac{3}{4}$″ ,, ,, ..	,,		do.	16 0 0	
1793	3″ x $\frac{1}{4}$″ to 2″ ,, ,, ..	,,		do.	16 0 0	
1794	3$\frac{1}{2}$″ x $\frac{1}{4}$″ to 2″ ,, ,, ..	,,		do.	16 0 0	
1795	4″ x $\frac{1}{4}$″ to 2″ ,, ,, ..	,,		do.	16 0 0	
1796	4$\frac{1}{2}$″ x $\frac{1}{4}$″ to 2″ ,, ,, ..	,,		do.	16 0 0	
1797	5″ x $\frac{1}{4}$″ to 2$\frac{1}{2}$″ ,, ,, ..	,,		do.	16 0 0	
1798	5$\frac{1}{2}$″ x $\frac{1}{4}$″ to 2$\frac{1}{2}$″ ,, ,, ..	,,		do.	16 0 0	Lion Rolling Mills Pty Ltd.
1799	6″ x $\frac{1}{4}$″ to 2″ ,, ,, ..	,,		do.	16 0 0	
1800	Round, $\frac{1}{2}$″ diameter	,,		do.	17 0 0	
1801	,, $\frac{5}{8}$″ diameter	,,		do.	16 10 0	
1802	Round or Square, as ordered, $\frac{9}{16}$″ to 3″ in thickness or diameter as ordered, advancing by $\frac{1}{16}$″ (excluding $\frac{5}{8}$″)	,,	80 ,,	do.	16 0 0	
1803	Square, $\frac{1}{2}$″	,,		do.	17 0 0	
1804	Square, $\frac{5}{8}$″	,,		do.	16 10 0	
	Best Yorkshire, from English raw material—					
1805	Flat, any thickness ordered, and up to 6″ wide, as ordered	,,	10 ,,	do.	25 0 0	
1806	Round, $\frac{1}{2}$″ diameter	,,		do.	25 0 0	
1807	,, $\frac{5}{8}$″ diameter	,,		do.	25 0 0	
1808	Square, $\frac{1}{2}$″	,,	120 ,,	do.	25 0 0	
1809	,, $\frac{5}{8}$″	,,		do.	25 0 0	
1810	Round or Square, as ordered, $\frac{9}{16}$″ to 3″ in thickness or diameter as ordered, advancing by $\frac{1}{16}$″ (excluding $\frac{5}{8}$″)	,,		do.	25 0 0	
	Ingot Iron Billets, in trade lengths—					
1811	1$\frac{3}{4}$″ x 1$\frac{3}{4}$″	,,	30 ,,	do.	14 10 0	
1812	2″ x 2″	,,	5 ,,	do.	14 10 0	
1813	2$\frac{1}{4}$″ x 2$\frac{1}{4}$″	,,	15 ,,	do.	14 10 0	
1814	2$\frac{1}{2}$″ x 2$\frac{1}{2}$″	,,	10 ,,	do.	14 10 0	
1815	3″ x 3″	,,	10 ,,	do.	17 0 0	
1816	3$\frac{1}{2}$″ x 3$\frac{1}{2}$″	,,	20 ,,	do.	17 0 0	
1817	4″ x 4″	,,	20 ,,	do.	17 0 0	
1818	4$\frac{1}{2}$″ x 4$\frac{1}{2}$″	,,	15 ,,	do.	19 0 0	
1819	5″ x 5″	,,	10 ,,	do.	19 0 0	
1820	5$\frac{1}{2}$″ x 5$\frac{1}{2}$″	,,	10 ,,	do.	19 0 0	Victoria Iron Rolling Co. Pty. Ltd.
	Ingot Iron, in bars, trade lengths—					
1821	2$\frac{1}{2}$″ x 2″	,,	5 ,,	do.	17 0 0	
1822	3$\frac{1}{2}$″ x 1$\frac{1}{2}$″	,,	5 ,,	do.	17 0 0	
1823	4″ x 1″	,,	3 ,,	do.	17 0 0	
1824	4″ x 1$\frac{3}{8}$″	,,	10 ,,	do.	17 0 0	
1825	5″ x 2″	,,	10 ,,	do.	17 0 0	
1826	5$\frac{1}{2}$″ x 1$\frac{3}{4}$″	,,	15 ,,	do.	17 0 0	
1827	1$\frac{5}{8}$″ square	,,	5 ,,	do.	17 0 0	
1828	4″ round	,,	10 ,,	do.	25 0 0	
1829	Any other trade size other than mentioned above (provided for under Item 1830)	,,	10 ,,	do.	..	Nil
	ROLLED IRON.					
1830	Iron, Double Rolled, Plain Ingot, or Nut Ingot, from scrap purchased from the Corporation of the following sizes :—	,,				
	Double Rolled—					
	Rounds and Squares to any length up to 40′—	,,	See next page.	ton	17 0 0	Victoria Iron Rolling Co. Pty. Ltd.
	$\frac{5}{8}$″ to 1$\frac{1}{2}$″, advancing $\frac{1}{16}$″					

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate. £ s. d.	Name of Contractor.
	IRON—*continued.*					
	ROLLED IRON—*continued.*					
1830	Iron, Double Rolled—*continued.*					
	Rounds and Squares to any length up to 20′—					
	$1\frac{5}{8}$″ to $2\frac{1}{2}$″, advancing $\frac{1}{8}$″					
	Flats—					
	Any length ordered and in any of the thicknesses as ordered, advancing by $\frac{1}{32}$″—					
	1″ and $1\frac{1}{8}$″ x $\frac{1}{4}$″ to $\frac{5}{8}$″					
	$1\frac{1}{4}$″ x $\frac{1}{4}$″ to $\frac{7}{8}$″					
	$1\frac{3}{8}$″ and $1\frac{1}{2}$″ x $\frac{1}{4}$″ to 1″					
	$1\frac{3}{4}$″ and 2″ x $\frac{1}{4}$″ to $1\frac{1}{4}$″					
	Any length ordered and in any of the thicknesses as ordered, advancing by $\frac{1}{16}$″—					
	$2\frac{1}{4}$″, $2\frac{1}{2}$″, $2\frac{3}{4}$″, and 3″ x $\frac{1}{4}$″ to $1\frac{1}{2}$″ ..					
	$3\frac{1}{2}$″, 4″, $4\frac{1}{2}$″, 5″ x $\frac{3}{8}$″ to $1\frac{1}{2}$″ ..					
	6″ x $\frac{3}{8}$″ to $1\frac{1}{4}$″	Vict.	700 tons	ton	17 0 0	Victoria Iron Rolling Co. Pty. Ltd.
	Ingot Nut Iron—					
	For all sizes of nuts from $\frac{1}{2}$″ to 2″ ..					
	Ingot Iron in Bars—					
	Rounds or Squares from $\frac{5}{8}$″ to $1\frac{1}{2}$″, advancing by $\frac{1}{16}$″					
	Rounds or Squares from $1\frac{5}{8}$″ to $3\frac{5}{8}$″, advancing by $\frac{1}{8}$″					
	Flats—					
	All sizes mentioned in Double Rolled Iron with the following additions, advancing by $\frac{1}{16}$″:—					
	3″ x $1\frac{1}{2}$″ to 2″					
	$3\frac{1}{4}$″, $3\frac{1}{2}$″, $3\frac{3}{4}$″ x $1\frac{1}{2}$″ to $2\frac{1}{2}$″ ..					
	4″, $4\frac{1}{4}$″, $4\frac{1}{2}$″, $4\frac{3}{4}$″, 5″ x $1\frac{1}{2}$″ to 2″ ..					
	5″, $5\frac{1}{4}$″, $5\frac{1}{2}$″, $5\frac{3}{4}$″, 6″ x $1\frac{1}{4}$″ to $1\frac{3}{4}$″ ..					
1831	$\frac{1}{2}$″, Round or Square	,,		do.	18 0 0	
	Iron, Treble Rolled, from Scrap purchased from the Corporation of any sizes and sections ordered—					
1832	Under $\frac{3}{4}$″, Round or Square, excluding $\frac{1}{2}$″ and $\frac{5}{8}$″	Vict.		ton	23 0 0	
1833	$\frac{3}{4}$″ to 4″, Round or Square	,,	50 tons	do.	23 0 0	Lion Rolling Mills Pty. Ltd.
1834	$\frac{5}{8}$″, Round or Square	,,		do.	23 10 0	
1835	$\frac{1}{2}$″, Round or Square	,,		do.	24 0 0	

STEEL.

(1.7.1929 to 30.9.1930.)

DOGSPIKE STEEL (Item No. 1839).

The steel shall be in accordance with the Australian Standard Specification for Structural Steel, No. A. 1–1928, as applied to round and square bars (clause 5, paragraph "B"), for "A" class steel, and shall be inspected and tested in accordance with the specification relating to such steel.

FISHBOLT AND NUT STEEL (Items 1840 to 1845).

Process of Manufacture.—The steel shall be made by the Open Hearth Process.

Chemical Composition.—The steel shall conform to the following requirements as to chemical composition—Phosphorus shall not exceed 0·05 per cent.

Quality of Finished Steel.—The steel shall be well and cleanly rolled, shall be sound and free from cracks, surface flaws, laminations, rough, jagged, and imperfect edges, and all other defects, and shall be finished in a workmanlike manner. All bars shall have the bad ends cut off.

Tests.—Two tensile tests shall be taken from each heat of steel and shall be cut from each of any two ingots in each heat. Should either of such test pieces fail to comply with the test referred to, three additional pieces shall be taken from the same heat and tested in the same manner, and should more than one of the additional test pieces fail to fulfil such tests, all steel from the heat shall be rejected.

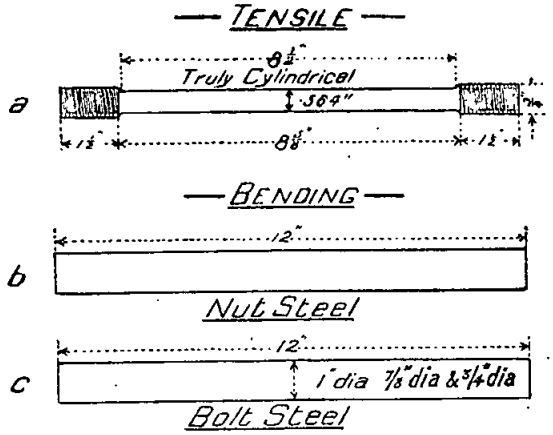
NUT STEEL.

Test bars of the shapes and dimensions shown by the following sketches, marked respectively "a" and "b," and every such test bar as per sketch "a" shall withstand a tensile stress of from 28 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.

STEEL—*continued.*

BOLT STEEL.

Test bars of the shapes and dimensions shown by the following sketches, marked respectively "a" and "c" shall be prepared by the Contractor, and every such test bar as per sketch "a" shall withstand a tensile stress of not less than 35 to 40 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.



Variation of Size.—The whole of the material ordered shall be of the same sizes, viz.: Fishbolt Steel $\frac{3}{4}$ in., $\frac{7}{8}$ in., and 1 in. diameter, and Nut Steel $1\frac{1}{4}$ in. x $\frac{3}{4}$ in., $1\frac{1}{4}\frac{3}{8}$ in. x $1\frac{1}{8}$ in., and $1\frac{9}{16}$ in. x $1\frac{3}{32}$ in. respectively, and the maximum permissible variation in the sizes of the bars from the specified size shall not exceed one sixty-fourth of an inch.

MILD STEEL.

(*Items Nos.* 1846 to 1900, and 1902 to 1908 inclusive.)

AND STEEL FLAT (*Item No.* 1901).

The **Mild Steel** Sections, Flats, Round, Square, and Rivet Bars, &c., as set opposite items Nos. 1846 to 1900, and 1902 to 1908 inclusive, shall be in accordance with Specification No. A1, 1928, of the Australian Commonwealth Engineering Standards Association as applied to Class "A" Steel.

The Steel Flat as set opposite item No. 1901 shall be manufactured by an approved process, and shall show on analysis not more than 0·04 per centum Sulphur or of Phosphorus, and a standard test piece "C" shall show a tensile breaking strength of 32 tons per sq. inch, with an elongation of 25 per cent. to 38 tons per sq. inch., with an elongation of 20 per cent. In all other respects it shall be in accordance with Specification No. A1, 1928, of the Australian Commonwealth Engineering Standards Association.

Rejection.—Should the material fail to comply in any particular with the above conditions it 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 Sections and Bars supplied under this contract shall be delivered in a straight condition, free from twist.

All Mild Steel Bars (Rivet Bars excepted), 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.

The Hoop Steel supplied under Items Nos. 1909 to 1926 shall be in accordance with the British and Australian Standard Specifications.

SPECIFICATION FOR MILD STEEL SHEETS (Items Nos. 1941 to 1958.)

The Mild Steel Sheets shall be manufactured from steel made from selected material by the open hearth or electrical process, and shall show on analysis not more than ·06 per centum of sulphur or phosphorus. The Contractor shall supply an analysis at his own expense when required to do so.

The Mild Steel Sheets, if required for Locomotives, shall be in accordance with Specification No. 17—1911 of Report No. 24 of the British Engineering Standards Association, and if required for Cars and Wagons, shall be in accordance with Specification No. 18—1911 of Report No. 24 of the British Engineering Standards Association as applied to Mild Steel Sheets, except that the rolling margin shall be not more than 7 per cent. over nor more than 3 per cent. under the specified thickness of the sheets at any part, and the shearing margin, except where otherwise stated shall not be under and not more than $\frac{1}{8}$ inch and $\frac{3}{8}$ inch over the specified length and width respectively.

Should the material fail to comply in any particular with this specification it shall be liable to rejection.

SPRING STEEL (Items 1959 to 1966).

The samples exhibited by the Corporation for Item 1959 are samples as regards shape only.

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:—

Flat Bars for Laminated Springs.	*Round, Rectangular, and Flat Bars for Volute and Helical Springs.*
Carbon—·5 to ·6 per cent.	Carbon—·85 to ·95 per cent.
Manganese—·55 to ·70 per cent.	Manganese—·55 to ·70 per cent.
Sulphur, Phosphorus: Not more than ·05 per cent.	Sulphur, Phosphorus: Not more than ·05 per cent.

STEEL—*continued.*

The Spring Steel shall be rolled to Australian Standard Specification No. E. 3—1925 T for Laminated Springs, and No. E. 5—1925 T for Volute and Helical Springs, together with amendments and conditions agreed to by the Locomotive Sectional Committee at its Conference in Melbourne in December, 1928.

The Contractor shall at his own expense supply a chemical analysis and work's certificate of all tests of each cast of steel represented in each delivery under each and every item, and such analysis sheets and work's certificate shall be forwarded to the Comptroller of Stores.

Weight.—An allowance of 2 per cent. in the weight of the bars over the calculated weight shall be permitted and paid for; but any of the 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.

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

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

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

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.

The calculated weight shall be on the basis that one cubic inch of Rolled Steel weighs 0·2833 lbs.

NICKEL STEEL.

The 1⅛ inch Nickel Steel shall be heat treated, suitable for machining, and the maximum stress shall be 50 to 60 tons to the square inch. The other sizes specified shall be in a normalized state.

Eagle and Globe Steel Co. Ltd.

Specification for items 1967 to 1970:—

Mechanical test—as rolled.
Maximum stress—35 tons per square inch.
Elastic limit—25 tons per square inch.
Elongation in 2 inches—20 per cent.
Reduction of area—52 per cent.
Brinell hardness—166.
Analysis—

Carbon—·15 per cent. to ·20 per cent.
Nickel—2 per cent. to 2·5 per cent.

H. O. White and Company.

The nickel steel to be supplied under items 1971 and 1972 shall be "Brown Bayleys" 3 N.S. quality, heat treated to the following analysis and tests:—

Carbon.	*Sil.*	*Mang.*	*Nickel.*
0·3 % to 0·4 % ..	0·1 % to 0·2 % ..	0·4 % to 0·6 % ..	3 % to 3·5 %.

Maximum stress, 50/60 tons, except for such sizes which are specified to be supplied in the normalized condition.

The Contracts for Steel are subject to the following conditions:—

Broken Hill Pty. Co. Ltd., and McPherson's Pty. Ltd., as agents for Australian Iron and Steel Limited.

Rates cover delivery c.i.f. Melbourne, but wherever practicable delivery will be given direct from the ship's slings into railway trucks, in order that cartage charges may be obviated.

Wharfage and stevedoring is to the Department's account, and copy of order to be forwarded to Shipping Clerk.

Contractor's Certificate of Inspection will be accepted, and such certificate shall be forwarded to the Comptroller of Stores covering each delivery.

In the event of such steel after delivery at Melbourne being found to be faulty during course of fabrication, provided the material has been properly treated by the Corporation, same shall be replaced free of charge to the Department c.i.f., Melbourne.

Weights as ascertained over the works weighbridge in the presence of the Inspecting Engineer, will be accepted, provided the full number of bars is received.

A copy of each order issued is to be forwarded to the Inspecting Engineer requesting him to witness weighing and forward certificate. (Inspection by Inspecting Engineer not required.)

Sufficient time for rolling and shipping is to be allowed for each order placed, and orders are to be placed in such a way as to make reasonable rolling tonnages.

The rates in the Contract with the Broken Hill Pty. Co. Ltd. are subject to adjustment in the event of there being any fall in the market price of steel products, or in the event of there being any fall in the market price of coal delivered at the steel works at Newcastle. In the event of the price of coal being decreased to the Company during the currency of the Contract, a proportionate reduction as certified to by the Company's accountant, shall be allowed on the price per ton of all material supplied in the various items rolled and delivered after the date of the last decrease in the price of coal to the Company.

The Contract with McPherson's Pty. Ltd., as agents for the Australian Iron and Steel Ltd., also provides that the Corporation shall receive the benefit of any fall in the market price of that Company's products.

Lion Rolling Mills Pty. Ltd.

The rates tendered are subject to adjustment by mutual arrangement between the Comptroller of Stores and the Contractor, should there be any alteration in the working hours or any alteration in wages due to Arbitration Court Awards.

The Contract rates include an anticipated reduction in the price of steel blooms and billets from the Broken Hill Pty. Co. Ltd., at 10s. per ton, and any fall in the cost of steel blooms and billets, plus 10 per cent. for waste over and above the 10s. per ton referred to, shall be to the Corporation's account.

H. O. White and Company.

Sufficient time is to be allowed to import quantities to meet initial orders.

Victoria Iron Rolling Co. Pty. Ltd.

Inspection is to be conducted at the works of the Contractor, provided transport of the Inspecting Engineer to and from Newport is arranged, and further, notwithstanding that such material shall have been passed by the Inspecting Engineer, in the event of it proving to be faulty during the course of fabrication at Newport, it shall be replaced by the Contractor free of charge.

Two tenders have been accepted for the supply and delivery of Spring Steel under items 1960 and 1961, but three tenders have been accepted for item 1959.

It is proposed to allot to the Australian Iron and Steel Ltd. 50 per cent. of the total tonnage of Spring Steel required, and for departmental purposes it is desired that steel required under items 1960 and 1960A and 1961 and 1961A should be obtained from the Australian Iron and Steel Ltd., provided satisfactory service is rendered.

The Broken Hill Pty. Co. Ltd. and the Victorian Iron Rolling Co. Pty. Ltd. are to divide the balance. This shall be confined to steel for Laminated Springs under items 1959 and 1959B.

Should it be necessary to allot any orders for steel for Laminated Springs to the Australian Iron and Steel Ltd. to equalize the tonnage, the orders should be placed for steel for Engine Springs.

As far as possible, the placing of orders on more than one Contractor for the same section, should be avoided.

The above is contingent on satisfactory service being rendered by each contractor.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
	STEEL—*continued.*					
	DOGSPIKE STEEL.					
1839	Steel, Dogspike, Bar, ¾", round, in 18′ to 20′ lengths, the maximum permissible variation in diameter not to exceed 1/64", cutting tolerance 2" over, nothing under	N.S.W.	600 tons	ton	12 12 6 c.i.f. Melb.	Broken Hill Pty. Co. Ltd.
	FISHBOLT AND NUT STEEL, IN 18′-20′ LENGTHS.					
	Steel, Fishbolt—					
1840	¾" diameter	N.S.W.	5 tons	ton	12 12 6 c.i.f. Melb.	McPherson's Pty. Ltd., as agents for Australian Iron & Steel Ltd.
1841	⅞" diameter	,,	100 ,,	do.	12 12 6 c.i.f. Melb.	
1842	1" diameter	,,	100 ,,	do.	12 12 6 c.i.f. Melb.	
	Steel, Fishbolt, Nut—					
1843	1¼" x ¾", for manufacture of ¾" nuts ..	,,	10 ,,	do.	12 12 6 c.i.f. Melb.	
1844	$1^{13}/_{32}$" x $^{15}/_{16}$", for manufacture of ⅞" nuts	,,	50 ,,	do.	12 12 6 c.i.f. Melb.	
1845	$1^{9}/_{16}$" x $1^{3}/_{32}$", for manufacture of 1" nuts	,,	100 ,,	do.	12 12 6 c.i.f. Melb.	
	(NOTE.—The maximum permissible variation in sizes for the above items not to exceed $^{1}/_{64}$".)					
	MILD STEEL.					
	Steel, Rivet, round, in 18′-20′ lengths—					
1846	$^{31}/_{64}$"	Vict.	25 tons	ton	16 17 0	
1847	$^{39}/_{64}$"	,,	25 ,,	do.	15 17 0	
1848	$^{47}/_{64}$"	,,	50 ,,	do.	15 17 0	
1849	$^{51}/_{64}$"	,,	10 ,,	do.	15 17 0	
1850	$^{59}/_{64}$"	,,	10 ,,	do.	15 17 0	
1851	$^{63}/_{64}$"	,,	10 ,,	do.	15 17 0	
	(NOTE.—The maximum permissible variation in diameters not to exceed $^{1}/_{64}$")					
	Mild Steel, Bevel, Channel, and Fishplate to sections specified and gauges supplied—					
*1852	Bevel, 1" x $^{3}/_{16}$", in lengths 17′ 8", or lengths to cut 8′ 10" without waste	,,	10 ,,	do.	29 12 0	Lion Rolling Mills Pty. Ltd.
1853	Bevel, 1" x $^{5}/_{32}$" x ⅛" in lengths to cut 8′ 10" or 8′ 4" without waste, as ordered	,,	10 ,,	do.	30 12 0	
*1854	Channel, 1¼" x $^{5}/_{16}$" x ½" x ¼", in lengths 17′ 4", or lengths to cut 8′ 8", without waste	,,	15 ,,	do.	25 0 0	
1855	Channel, 1¼" x ⅜" x $^{9}/_{16}$" x ½" x ¼", in lengths to cut 8′ 2", without waste	,,	10 ,,	do.	25 0 0	
*1856	Mild Steel Channel, in lengths from 12′ to 23′	,,	50 ,,	do.	19 12 0	
*1857	Fishplate, for Channel	,,	1 ,,	do.	19 12 0	
	Mild Steel Channels—					
1858	4" x 2", 20′ to 30′ in length 7·09 lb. ..	N.S.W.	16 ,,	do.	13 12 6 c.i.f. Melb.	Broken Hill Pty. Co. Ltd.
1859	6" x 3", 20′ to 35′ in length 12.41 lb. ..	,,	25 ,,	do.	13 0 0 c.i.f. Melb.	
1860	7" x 3", 20′ to 35′ in length 14·22 lb. ..	,,	12 ,,	do.	13 0 0 c.i.f. Melb.	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
	STEEL—*continued.*					
	MILD STEEL—*continued.*					
	Angle of equal and unequal sides of the following sizes, thicknesses, and lengths, advancing by 1/32" in thickness—					
1861	1" x 1" x 3/16" to 1/4" up to 35' long ..	Vict.		ton	16 0 0	
1862	1 1/8" x 1 1/8" x 3/16" to 1/4" up to 35' long ..	"		do.	16 0 0	
1863	1 1/4" x 1 1/4" x 1/4" to 3/8" up to 35' long ..	"		do.	16 0 0	
1864	1 1/2" x 1 1/2" x 1/4" to 3/8" up to 30' long ..	"		do.	16 0 0	
1865	1 3/4" x 1 3/4" x 1/4" to 3/8" up to 30' long ..	"		do.	16 0 0	
1866	2" x 2" x 1/4" to 1/2" up to 30' long ..	"		do.	16 0 0	
1867	2 1/4" x 2 1/4" x 1/4" to 3/8" up to 30' long ..	"		do.	16 0 0	
1868	2 1/2" x 2 1/2" x 1/4" to 1/2" up to 30' long ..	"		do.	16 0 0	
1869	3" x 3" x 1/4" to 5/8" up to 30' long ..	"		do.	16 0 0	Lion Rolling Mills Pty. Ltd.
1870	3 1/2" x 3 1/2" x 3/8" to 5/8" up to 30' long ..	"		do.	16 0 0	
1871	4" x 4" x 1/2" to 5/8" up to 25' long ..	"	500 tons	do.	16 0 0	
1872	1 1/2" x 1" x 1/4" up to 35' long	"		do.	16 0 0	
1873	3" x 2" x 1/4" to 1/2" up to 35' long ..	"		do.	16 0 0	
1874	3" x 2 1/2" x 1/4" to 1/2" up to 35' long ..	"		do.	16 0 0	
1875	3 1/2" x 3" x 3/8" to 1/2" up to 35' long ..	"		do.	16 0 0	
1876	4" x 3" x 3/8" to 1/2" up to 35' long ..	"		do.	16 0 0	
1877	5" x 2 1/2" x 3/8" to 5/8" up to 25' long ..	"		do.	16 0 0	
1878	6" x 4" x 3/8" up to 30' long	N.S.W.		do.	12 12 6 c.i.f. Melb.	Broken Hill Pty. Co. Ltd.
1879	6" x 4" x 1/2" up to 30' long	"		do.	12 12 6 c.i.f. Melb.	
	Flat, 1/4" thickness or over as ordered, from 3/4" to 9" wide, of the following thickness and sizes, and any lengths, as ordered					
1880	3/4" x 7/16" to 5/8", advancing by 1/32" ..	Vict.		ton	14 15 0	
1881	7/8" x 7/16" to 5/8" " " ..	"		do.	14 15 0	
1882	1" x 1/4" to 5/8" " " ..	"		do.	14 15 0	
1883	1 1/8" x 1/4" to 3/4" " " ..	"		do.	14 15 0	
1884	1 1/4" x 1/4" to 7/8" " " ..	"		do.	14 15 0	
1885	1 3/8" x 1/4" to 1" " " ..	"		do.	14 15 0	
1886	1 1/2" x 1/4" to 1" " " ..	"		do.	14 15 0	
1887	1 3/4" x 1/4" to 1" " " ..	"		do.	14 15 0	
1888	2" x 1/4" to 1 1/4" " " ..	"		do.	14 15 0	
1889	2 1/4" x 1/4" to 1 1/2" " " ..	"	1,000 tons	do.	14 15 0	Lion Rolling Mills Pty. Ltd.
1890	2 1/2" x 1/4" to 1 1/2" " " ..	"		do.	14 15 0	
1891	3" x 1/4" to 2" " " ..	"		do.	14 15 0	
1892	3 1/2" x 1/4" to 2" " " ..	"		do.	14 15 0	
1893	4" x 1/4" to 2" " " ..	"		do.	14 15 0	
1894	4 1/2" x 1/4" to 2" " " ..	"		do.	14 15 0	
1895	5" x 1/4" to 2 1/2" " " ..	"		do.	14 15 0	
1896	5 1/2" x 1/4" to 2 1/2" " " ..	"		do.	14 15 0	
1897	6" x 1/4" to 2" " " ..	"		do.	14 15 0	
1898	8" x 1/4" to 1" " " ..	"		do.	14 15 0	
1899	9" x 1/4" to 1" " " ..	"		do.	14 15 0	
1900	Flat, 12" x 1/2" x 30'	N.S.W.	7 "	do.	13 12 6 c.i.f. Melb.	Broken Hill Pty. Co. Ltd.
1901	Flat, Round Edge, to Drawing No. 7645, 5" x 1 1/8", in lengths of 17' 6", delivered at Little Brooklyn	Vict.	20 "	do.	17 10 0	Victoria Iron Rolling Co. Pty. Ltd.
1902	Flat, 7 1/2" x 7/8", maximum length 7' ..	..	3 "	do.	..	Nil
	Round, in trade lengths, 16' to 18'					
1903	1/4"	N.S.W.		do.	14 12 6 c.i.f. Melb.	
1904	5/16"	"	10 "	do.	14 2 6 c.i.f. Melb.	Broken Hill Pty. Co. Ltd.
1905	3/8"	"		do.	13 2 6 c.i.f. Melb.	
1906	7/16"	"		do.	13 2 6 c.i.f. Melb.	
1907	Round or Square, as ordered, from 1/2" to 3" in thickness or diameter as ordered, advancing by 1/16", any lengths ordered	"	400 "	do.	14 15 0	Lion Rolling Mills Pty. Ltd.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
	STEEL—*continued.*					
	MILD STEEL—*continued.*					
1908	Round or Square, any lengths ordered— Round, $3\frac{1}{4}''$ to $4''$, advancing by $\frac{1}{4}''$; Square, $3\frac{1}{4}''$ and $3\frac{1}{2}''$ *Delivery.*—For orders of 5 tons and over of any one section prompt delivery could be be given. For orders of less than 5 tons of any one section delivery could be given as the sections go into the mill for rolling. *Length Extras—* *Standard Lengths 10 to 35 feet.*—In respect of orders of less than 5 tons of any one section in any one set length, an additional sharge of 10s. per ton shall be paid. For orders of 5 tons and over of any one section in any one set length, no extra shall be payable. Provided a cutting margin of 2 feet is allowed, no length extra shall be payable irrespective of the quantity ordered. *Lengths under 10 feet or exceeding 35 feet.*—Lengths under 10 feet or exceeding 35 feet are subject to the following extras per ton in addition to that listed above :— Under 10′ and down to 6′ 20s. extra „ 6′ „ „ „ 4′ 30s. „ „ 4′ „ „ „ 2′ 40s. „ „ 2′ „ „ „ 1′ 60s. „ Over 35′ and up to 40′ 10s. „ „ 40′ „ „ „ 50′ 20s. „ Where set lengths are ordered the cutting margin shall be one inch over and under. *Minimum order per section—* If an order is given for less than 1 ton of any one section, an extra of 10s. shall be paid.	N.S.W.	30 tons	ton	13 12 6 c.i.f. Melb.	McPherson's Pty. Ltd., as agents for Australian Iron & Steel Ltd.
	HOOP STEEL.					
	Hoop, Black—					
1909	$\frac{1}{16}''$ x $1\frac{1}{4}''$ wide	U.K.		do.	14 10 0	
1910	$\frac{1}{16}''$ x $\frac{3}{4}''$ wide	„		do.	16 10 0	
1911	$\frac{1}{8}''$ x $3''$ wide	„		do.	14 10 0	
1912	$\frac{1}{8}''$ x $\frac{1}{2}''$ wide	„		do.	20 0 0	
1913	$\frac{1}{8}''$ x $\frac{5}{8}''$ wide	„		do.	20 0 0	
1914	$\frac{1}{8}''$ x $2''$ wide	N.S.W.		do.	15 0 0	
1915	$\frac{1}{8}''$ x $4''$ wide	U.K.		do.	15 0 0	
1916	10 B.W. gauge x $\frac{7}{8}''$ wide	„		do.	15 0 0	
1917	10 B.W. gauge x $1''$ wide	N.S.W.		do.	15 0 0	
1918	10 B.W. gauge x $1\frac{1}{4}''$ wide	„	25 tons	do.	15 0 0	Briscoe & Co. Ltd.
1919	10 B.W. gauge x $1\frac{1}{2}''$ wide	„		do.	15 0 0	
1920	10 B.W. gauge x $1\frac{3}{4}''$ wide	„		do.	15 0 0	
1921	10 B.W. gauge x $2''$ wide	„		do.	15 0 0	
1922	10 B.W. gauge x $2\frac{1}{4}''$ wide	U.K.		do.	14 10 0	
1923	10 B.W. gauge x $2\frac{1}{2}''$ wide	„		do.	14 10 0	
1924	10 B.W. gauge x $4''$ wide	„		do.	14 10 0	
1925	12 B.W. gauge x $1\frac{1}{2}''$ wide	„		do.	14 10 0	
1926	12 B.W. gauge x $1\frac{3}{4}''$ wide	„		do.	14 10 0	
	Hoop, Galvanized—					
1927	$1''$ x 20 gauge	U.K.		ton	23 19 11	
1928	$1''$ x 18 gauge	„		do.	23 4 11	
1929	$1''$ x 16 gauge	„		do.	22 19 11	
1930	$1\frac{1}{4}''$ x 16 guage	„		do.	22 19 11	
1931	$1\frac{1}{4}''$ x 14 gauge	„		do.	22 19 11	
1932	$1\frac{1}{4}''$ x 10 gauge	„		do.	25 9 11	
1933	$1\frac{1}{2}''$ x 16 gauge	„	30 tons	do.	22 19 11	E. Duckett & Sons
1934	$1\frac{1}{2}''$ x 12 gauge	„		do.	22 19 11	
1935	$1\frac{1}{2}''$ x 10 gauge	„		do.	25 9 11	
1936	$2''$ x 16 gauge	„		do.	22 9 11	
1937	$2''$ x 10 gauge	„		do.	25 9 11	
1938	$2\frac{1}{2}''$ x 16 gauge	„		do.	22 9 11	
1939	$2\frac{1}{2}''$ x 10 gauge	„		do.	25 9 11	
1940	$3''$ x 10 gauge	„		do.	25 9 11	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate. £ s. d.	Name of Contractor.
	STEEL—*continued.*					
	MILD STEEL, SHEET, BLACK.					
1941	·125″ x 8′ x 4′	U.K.		ton	14 10 0	
1942	·134″ x 6′ x 4′	,,		do.	14 10 0	
1943	·134″ x 12′ x 5′	,,		do.	15 10 0	
1944	·109″ x 7′ x 2′ 6″ or 7′ x 3′	N.S.W.		do.	19 14 11	
1945	·109″ x 8′ x 4′	U.K.		do.	19 0 0	
1946	·083″ x 6′ x 4′	,,		do.	20 6 11	
1947	·083″ x 8′ x 4′	,,		do.	20 14 11	
1948	·065″ x 6′ x 3′	N.S.W.		do.	19 14 11	
1949	·065″ x 6′ x 4′	U.K.		do.	20 14 11	E. Duckett & Sons
1950	·065″ x 8′ x 4′	,,	50 tons	do.	20 14 11	
1951	·049″ x 6′ x 3′	N.S.W.		do.	19 14 11	
1952	·049″ x 6′ x 4′	U.K.		do.	21 10 0	
1953	·049″ x 8′ x 3′	N.S.W.		do.	19 14 11	
1954	·035″ x 6′ x 3, ...	,,		do.	19 14 11	
1955	·028″ x 6′ x 2′	,,		do.	20 9 11	
1956	·028″ x 6′ x 2′ 6″	,,		do.	20 9 11	
1957	·022″ x 6′ x 3′	,,		do.	20 9 11	
1958	·014″ x 6′ x 3′	,,		do.	21 17 5	
	SPRING STEEL.					
*1959	Steel, Spring. Flat, Rolled Concave, for the purpose of making laminated springs for engines, carriages, and wagons, any lengths and sizes ordered	N.S.W.		do.	19 10 0 c.i.f. Melb.	Broken Hill Pty. Co. Ltd.
*1959A	Steel, Spring, Flat, Rolled Concave, for the purpose of making laminated springs for engines, carriages, and wagons of the following sizes, advancing by $\frac{1}{16}$″:— $1″ \times \frac{1}{4}″$ to $\frac{1}{2}″$; $1\frac{1}{8}″ \times \frac{1}{4}″$ to $\frac{1}{2}″$; $1\frac{1}{4}″ \times \frac{1}{4}″$ to $\frac{3}{4}″$; $1\frac{3}{8}″ \times \frac{1}{4}″$ to $\frac{3}{4}″$; $1\frac{1}{2}″ \times \frac{1}{4}″$ to $\frac{3}{4}″$; $1\frac{5}{8}″ \times \frac{1}{4}″$ to $\frac{3}{4}″$; $1\frac{3}{4}″ \times \frac{3}{16}″$ to $1″$; $1\frac{7}{8}″ \times \frac{3}{16}″$ to $1″$; $2″ \times \frac{3}{16}″$ to $1″$; $2\frac{1}{8}″ \times \frac{3}{16}″$ to $1″$; $2\frac{1}{4}″ \times \frac{3}{16}″$ to $1″$; $2\frac{3}{8}″ \times \frac{3}{16}″$ to $1″$; $2\frac{1}{2}″ \times \frac{3}{16}″$ to $1″$; $2\frac{5}{8}″ \times \frac{1}{4}″$ to $1″$; $2\frac{3}{4}″ \times \frac{1}{4}″$ to $1″$; $2\frac{7}{8}″ \times \frac{1}{4}″$ to $1″$; $3″ \times \frac{1}{4}″$ to $1″$; $3\frac{1}{4}″ \times \frac{1}{4}″$ to $1″$; $3\frac{1}{2}″ \times \frac{5}{16}″$ to $\frac{5}{8}″$; $3\frac{3}{4}″ \times \frac{3}{8}″$ to $\frac{1}{2}″$; $4″ \times \frac{5}{16}″$ to $\frac{5}{8}″$; $4\frac{1}{2}″ \times \frac{3}{8}″$ to $\frac{9}{16}″$; $5″ \times \frac{5}{16}″$ to $\frac{5}{8}″$; $5\frac{1}{2}″ \times \frac{5}{16}″$ to $\frac{9}{16}″$. Cut to length with usual cutting margin of 1″ over or under	,,	500 tons	do.	19 10 0 c.i.f. Melb.	McPherson's Pty. Ltd., as agents for Australian Iron and Steel Ltd.
*1959B	Steel, Spring, Flat, Rolled Concave, for the purpose of making laminated springs for engines, carriages, and wagons, any lengths ordered and any size not less than $\frac{1}{4}″$ thick and $1\frac{1}{2}″$ wide, and not larger than $\frac{5}{8}″$ thick and 6″ wide. All sizes over 4″ wide to have minimum thickness of not less than $\frac{3}{8}″$	Vict.		do.	20 0 0 f.o.r. Brooklyn	Victoria Iron Rolling Co. Pty. Ltd.
1960	Steel, Spring, Flat, for the purpose of making volute springs for engines, carriages, and wagons, any lengths and sizes ordered	N.S.W.	Included in Item 1959	do.	20 0 0 c.i.f. Melb.	Broken Hill Pty. Co. Ltd.
1960A	Steel Spring, Flat, for the purpose of making volute springs for engines, carriages, and wagons, in such sizes as may be ordered under item 1959A	,,		do.	20 0 0 c.i.f. Melb.	McPherson's Pty. Ltd., as agents for Australian Iron & Steel Co. Ltd.
1961	Steel, Spring, Round, in bars from $\frac{1}{2}″$ to 3″ inclusive, and cut to any lengths ordered	N.S.W.		do.	20 0 0 c.i.f. Melb.	Broken Hill Pty. Co. Ltd.
961A	Steel, Spring, Round, in bars of any size shown below, and cut to any lengths ordered :— $\frac{3}{8}″$, $\frac{7}{16}″$, $\frac{1}{2}″$, $\frac{9}{16}″$, $\frac{5}{8}″$, $\frac{11}{16}″$, $\frac{3}{4}″$, $\frac{13}{16}″$, $\frac{7}{8}″$, $\frac{15}{16}″$, $1″$, $1\frac{1}{16}″$, $1\frac{1}{8}″$, $1\frac{3}{16}″$, $1\frac{1}{4}″$, $1\frac{3}{8}″$, $1\frac{1}{2}″$, $1\frac{9}{16}″$, $1\frac{5}{8}″$ Cut to length with usual cutting margin 1″ over or under	,,	150 tons	do.	20 0 0 c.i.f. Melb.	McPherson's Pty. Ltd., as agents for Australian Iron and Steel Ltd.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate. £ s. d.	Name of Contractor.
	STEEL—*continued.*					
	SPRING STEEL—*continued.*					
	Steel, Spring, Round, in coils—					
1962	¼″ diameter	N.S.W.	1 ton	ton	..	Nil.
1963	⅜″ diameter	,,		do.	..	
1964	5/16″ diameter	,,		do.	..	
1965	7/16″ diameter	,,		do.	..	
	Steel, Spring, Volute, in any lengths ordered—					
1966	1¾″ x 1½″ x 1 3/16″	N.S.W.	10 tons	do.	20 0 0 c.i.f. Melb.	McPherson's Pty. Ltd., as agents for Australian Iron and Steel Ltd.
	Steel, Nickel, Round, in trade lengths—					
1967	9/16″ S.D. 16 Nickel Steel, to case harden ..	U.K.	4 cwt.	lb.	0 0 5¼	Eagle & Globe Steel Co. Ltd.
1968	¾″ ,, ,, ,, ..	,,	2 ,,	do.	0 0 5	
1969	⅞″ ,, ,, ,, ..	,,	6 ,,	do.	0 0 5	
1970	1⅛″ ,, ,, ,, ..	,,	2 ,,	do.	0 0 5	
1971	1⅝″, Brown Bayley	,,	40 ,,	cwt.	2 10 0	H. O. White & Co.
1972	2″ ,, ,, ...	,,	12 ,,	do.	2 10 0	
*1973	Steel, Crinoline, ¾″ or ⅞″ wide, as ordered, any gauge ordered	,,	40 ,,	do.	3 10 0	E. Duckett & Sons
1974 to 1976	Nil.					

SHAFTING.

(1.7.1929 to 30.9.1930.)

As regards Items Nos. 2004 to 2011, the rates tendered do not include Customs Duty. Statutory declarations that the material is to be used for manufacture of Nuts to be furnished to Contractor for Customs purposes, otherwise duty paid to be reimbursed to the Contractor by the Department. Copy of each order placed to be furnished to the Shipping Clerk who will arrange *re* declaration.

The shafting shall be supplied straight and true.

The measurement of the Bright Rolled Hexagon Shafting provided under Items Nos. 2004 to 2011 inclusive is the diameter across the flat.

The rates include wharfage, if to be imported, but 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 Nos. 1977–2002—H. V. McKay, Sunshine.

Items Nos. 2003–2011—Kirkstall Forge Co., England.

	Shafting, Bright, Rolled, Round—						
1977	3/16″ diameter	Vict.	1 cwt.	cwt.	1 17 0	E. Duckett & Sons	
1978	¼″ ,, ...	,,	8 ,,	do.	1 17 0		
1979	5/16″ ,, ...	,,	1 ,,	do.	1 12 0		
1980	⅜″ ,, ...	,,	10 ,,	do.	1 9 6		
1981	7/16″ ,, ...	,,	2 ,,	do.	1 6 0		
1982	½″ ,, ...	,,	10 ,,	do.	1 7 0		
1983	5/8″ ,, ...	,,	10 ,,	do.	1 6 0		
1984	¾″ ,, ...	,,	36 ,,	do.	1 4 0	Dane Taylor and Co. Pty. Ltd.	
1985	⅞″ ,, ...	,,	40 ,,	do.	1 4 0		
1986	1″ ,, ...	,,	100 ,,	do.	1 1 0		
1987	1⅛″ ,, ...	,,	120 ,,	do.	1 1 0		
1988	1¼″ ,, ...	,,	50 ,,	do.	1 1 0		
1389	1⅜″ ,, ...	,,	100 ,,	do.	1 1 0		
1990	1 7/16″ ,, ...	,,	4 ,,	do.	1 1 0		
1991	1½″ ,, ...	,,	70 ,,	do.	1 1 0		

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate. £ s. d.	Name of Contractor.
	SHAFTING—*continued.*					
	Shafting, Bright, Rolled, Round—*continued.*					
1992	$1\frac{3}{4}$" diameter	Vict.	10 cwt.	cwt.	1 1 0	Dane Taylor and Co. Pty. Ltd.
1993	2" ,, ...	,,	200 ,,	do.	1 1 0	
1994	$2\frac{1}{16}$" ,, ...	,,	1 ,,	do.	1 1 0	
1995	$2\frac{1}{8}$" ,, ...	,,	1 ,,	do.	1 1 0	
1996	$2\frac{1}{4}$" ,, ...	,,	20 ,,	do.	1 1 0	
1997	$2\frac{1}{2}$" ,, ...	,,	30 ,,	do.	1 1 0	
1998	3" ,, ...	,,	40 ,,	do.	1 1 0	
1999	$3\frac{1}{4}$" ,, ...	,,	25 ,,	do.	1 1 0	
2000	$3\frac{1}{2}$" ,, ...	,,	6 ,,	do.	1 1 0	
2001	4" ,, ...	,,	5 ,,	do.	1 1 0	
2002	$4\frac{1}{2}$" ,, ...	,,	5 ,,	do.	1 4 6	
2003	5" ,, ...	U.K.	5 ,,	do.	1 8 0	
	Shafting, Bright, Rolled Hexagon, Whitworth Standard—					
2004	$^{45}/_{64}$" width across flat, for $\frac{3}{8}$" nuts, max. ·710, min. ·705	,,	1 ,,	do.	1 2 3	E. Duckett & Sons
2005	$^{29}/_{32}$" width across flat, for $\frac{1}{2}$" nuts, max. ·920, min. ·915	,,	15 ,,	do.	1 2 3	
2006	$1^{3}/_{32}$" width across flat, for $\frac{5}{8}$" nuts, max. 1·100, min. 1·092	,,	50 ,,	do.	1 2 3	
2007	$1^{19}/_{64}$" width across flat, for $\frac{3}{4}$" nuts, max. 1·300, min. 1·292	,,	50 ,,	do.	1 2 3	
2008	$1^{31}/_{64}$" width across flat, for $\frac{7}{8}$" nuts, max. 1·480, min. 1·472	,,	80 ,,	do.	1 2 3	
2009	$1^{43}/_{64}$" width across flat, for 1" nuts, max. 1·670, min. 1·662	,,	150 ,,	do.	1 2 3	
2010	$1^{55}/_{64}$" width across flat, for $1\frac{1}{8}$" nuts, max. 1·860, min. 1·850	,,	50 ,,	do.	1 2 3	
2011	$2^{3}/_{64}$" width across flat, for $1\frac{1}{4}$" nuts, max. 2·050, min. 2·040	,,	200 ,,	do.	1 2 3	
2012 to 2014	Nil					

TAPS AND DIES.

(1.7.1929 to 30.9.1930.)

The Drawings referred to may be seen on application to the Comptroller of Stores (Contractors' Room).

Where a particular brand or make is specified, Tenderers may offer suitable alternatives.

The Dies under Items 2135 to 2142 shall be of High Speed Steel and suitable for use in "Landis" Rotary Dieheads.

The Dies under Items 2143 to 2149 shall be of High Speed Steel and suitable for use in "Herberts" Patent Self-opening Dieheads.

The Taps under Items 2054 to 2076 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. 2051 to 2053 shall be supplied in sets of Taper and Plug Taps.

Items Nos. 2150 to 2161 —The Chasers shall be of Carbon Steel, and shall if ordered be supplied in sets of 2 Chasers comprising Inside and Outside. The dimensions shall be in accordance with Drawing No. 309N.

Name of Manufacturers :—

Items Nos. 2015–2050, 2054–2096, 2103–2111, 2121–2135, 2137, 2138, 2150–2165.—Patience & Nicholson Ltd.
Items Nos. 2051–2053a, 2097–2102.—Lehmann, Archer & Co. Ltd.
Items Nos. 2112–2120.—Russell Manufg. Co.
Items Nos. 2136, 2139–2142.—Sutton Tool & Gauge Mfg. Co.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate. £ s. d.	Name of Contractor.
	TAPS AND DIES—*continued.*					
	Taps, Whitworth Thread, Hand—					
2015	1/8" Taper	Vict.	50	each	0 0 6¼	McPherson's Pty. Ltd.
2016	3/16" "	"	120	do.	0 0 6¼	
2017	7/32" "	"	10	do.	0 0 6¼	
2018	1/4" "	"	250	do.	0 0 6¼	
2019	5/16" "	"	65	do.	0 0 9	
2020	3/8" "	"	70	do.	0 0 10½	
2021	1/2" "	"	60	do.	0 1 4	
2022	5/8" "	"	25	do.	0 2 1	
2023	3/4" "	"	30	do.	0 2 9	
2024	7/8" "	"	30	do.	0 3 2½	
2025	1" "	"	15	do.	0 3 8	
2026	1¼" "	"	6	do.	0 6 8	
2027	1/8" Intermediate	"	40	do.	0 0 6¼	
2028	3/16" "	"	100	do.	0 0 6¼	
2029	7/32" "	"	6	do.	0 0 6¼	
2030	1/4" "	"	250	do.	0 0 6¼	
2031	5/16" "	"	50	do.	0 0 9	
2032	3/8" "	"	75	do.	0 0 10½	
2033	1/2" "	"	75	do.	0 1 4	
2034	5/8" "	"	30	do.	0 2 1	
2035	3/4" "	"	30	do.	0 2 9	
2036	7/8" "	"	30	do.	0 3 2½	
2037	1" "	"	12	do.	0 3 8	
2038	1¼" "	"	5	do.	0 6 8	
2039	1/8" Plug	"	50	do.	0 0 6¼	
2040	3/16" "	"	150	do.	0 0 6¼	
2041	7/32" "	"	6	do.	0 0 6¼	
2042	1/4" "	"	250	do.	0 0 6¼	
2043	5/16" "	"	65	do.	0 0 9	
2044	3/8" "	"	70	do.	0 0 10½	
2045	1/2" "	"	75	do.	0 1 4	
2046	5/8" "	"	35	do.	0 2 1	
2047	3/4" "	"	35	do.	0 2 9	
2048	7/8" "	"	40	do.	0 3 2½	
2049	1" "	"	20	do.	0 3 8	
2050	1¼" "	"	5	do.	0 6 8	
	Taps, Hand-working—					
2051	1/8", Gas Thread, two to set	U.K.	60 sets	set	0 2 4	James Walker
2051A	1/4", " "	"		do.	0 2 10	
2051B	3/8", " "	"		do.	0 3 2	
2052	1/2", " "	"		do.	0 4 4	
2052A	3/4", " "	"	15 "	do.	0 6 0	
2052B	1", " "	"		do.	0 8 0	
2053	1¼", " "	"		do.	0 13 0	
2053A	1½", " "	"	2 "	do.	0 14 3	
2053B	1¾", " "	"		do.	1 2 9	
	Taps, for "National" Nut-tapping Machines, to Drawing No. 8809, Whitworth Thread, Right-hand—					
2054	1/4"	Vict.		each	0 2 6	Patience & Nicholson Ltd.
2055	5/16"	"	6	do.	0 2 6	
2056	3/8"	"		do.	0 2 10	
2057	1/2"	"		do.	0 5 0	
2058	5/8"	"	120	do.	0 5 8	
2059	3/4"	"		do.	0 6 3	
2060	7/8"	"		do.	0 8 6	
2061	1"	"	200	do.	0 10 6	
2062	1⅛"	"		do.	0 13 3	
2063	1¼"	"		do.	0 16 8	
2064	1⅜"	"	5	do.	0 19 6	
2065	1½"	"		do.	1 2 0	
2066	1/2", Gas Thread	"		do.	0 9 0	
2067	3/4" "	"	5	do.	0 11 0	
2068	1" "	"		do.	0 16 6	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate. £ s. d.	Name of Contractor.
	TAPS AND DIES—*continued.*					
	Taps, for "National" Nut-tapping Machines, R.H.—*continued.*					
2069	1", 11 threads per inch	Vict.		each	0 10 9	
2070	1⅛", 11 " "	"		do.	0 13 3	
2071	1 3/16", 11 " "	"	70	do.	0 15 6	
2072	1¼", 11 " "	"		do.	0 16 6	
2073	1⅜", 11 " "	"		do.	0 19 6	
2074	1½", 11 " "	"	12	do.	1 2 0	
2075	¾", 16 " "	"	5	do.	0 8 0	
2076	1", 16 " "	"		do.	0 12 0	
	Taps, Horizontal, Tapping Machine, Right-hand—					
2077	1⅛"	"		do.	0 10 6	
2078	1¼"	"		do.	0 14 6	
2079	1⅜"	"		do.	0 19 6	
2080	1½"	"		do.	1 10 0	
2081	2"	"	6	do.	1 18 6	Patience & Nicholson Ltd.
2082	2¼"	"		do.	2 5 0	
2083	2⅜"	"		do.	2 13 6	
2084	2½"	"		do.	3 0 0	
	Taps, Horizontal, Tapping Machine, Left-hand—					
2085	1⅛"	"		do.	0 12 6	
2086	1¼"	"		do.	0 17 0	
2087	1⅜"	"		do.	1 7 0	
2088	1½"	"		do.	1 16 0	
2089	2"	"	6	do.	2 3 6	
2090	2¼"	"		do.	2 15 0	
2091	2⅜"	"		do.	3 2 6	
2092	2½"	"		do.	3 10 0	
2093	Taps, 2 B.A., Long Pattern, in lieu of "Lehmann Archer"	"	6	doz.	0 7 0	McPherson's Pty. Ltd.
2094	" 4 B.A., Long Pattern, in lieu of "Lehmann Archer"	"	5	do.	0 7 0	
2095	" 8 B.A., Long Pattern, in lieu of "Lehmann Archer"	"	4	do.	0 7 0	
2096	Dies, 6 B.A., Long Pattern, in lieu of "Lehmann Archer"	"	4	do.	0 8 0	
	Dies, Nut, Hexagon, Whitworth Thread—					
2097	3/8"	U.K.	6	each	0 2 0	James Walker
2098	7/16"	"	6	do.	0 2 4	
2099	1/2"	"	6	do.	0 3 0	
2100	9/16"	"	6	do.	0 3 6	
2101	5/8"	"	6	do.	0 4 8	
2102	1"	"	6	do.	0 5 11	
	Dies, Adjustable, 2 3/16" diameter, Whitworth Thread—					
2103	3/16"	Vict.	2	do.	0 8 0	McPherson's Pty. Ltd.
2104	1/4"	"	5	do.	0 8 0	
2105	5/16"	"	2	do.	0 8 0	
2106	3/8"	"	8	do.	0 8 0	
2107	7/16"	"	5	do.	0 8 6	McPherson's Pty. Ltd.
2108	1/2"	"	8	do.	0 9 8	
2109	9/16"	"	10	do.	0 10 2	
2110	5/8"	"	5	do.	0 12 3	
2111	1"	"	2	do.	0 13 3	
	Dies, Adjustable, 2¼" diameter, Whitworth Thread—Dies only—					
2112	1/4"	U.S.A.	2	do.	0 6 5	E. P. Bevan & Son Pty. Ltd.
2113	5/16"	"	1	do.	0 6 5	
2114	3/8"	"	2	do.	0 7 6	
2115	7/16"	"	3	do.	0 7 6	
2116	1/2"	"	4	do.	0 8 10	
2117	9/16"	"	4	do.	0 10 3	
2118	5/8"	"	5	do.	0 12 9	
2119	1"	"	1	do.	0 15 3	
2120	1¼"	"	1	do.	1 3 6	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate. £ s. d.	Name of Contractor.
	TAPS AND DIES—*continued*.					
	Dies, Hand, Lightning, Whitworth Thread—					
2121	$\frac{3}{16}$″ x 1½″ diameter	Vict.		each	0 5 9	
2122	$\frac{1}{4}$″ x 1½″ „	„		do.	0 5 9	
2123	$\frac{5}{16}$″ x 1½″ „	„		do.	0 5 9	
2124	$\frac{3}{8}$″ x 1½″ „	„		do.	0 6 0	
2125	$\frac{7}{16}$″ x 1 $\frac{11}{16}$″ „	„	30	do.	0 6 9	
2126	$\frac{1}{2}$″ x 1 $\frac{11}{16}$″ „	„		do.	0 6 9	
2127	$\frac{3}{4}$″ x 2 $\frac{3}{16}$″ „	„		do.	0 10 0	
2128	$\frac{7}{8}$″ x 2 $\frac{3}{16}$″ „	„		do.	0 12 3	McPherson's Pty. Ltd.
2129	1″ x 2 $\frac{3}{16}$″ „	„		do.	0 13 6	
	Dies, Hand, Lightning, Gas Thread—					
2130	$\frac{1}{4}$″ x 1 $\frac{9}{16}$″	„		do.	0 7 0	
2131	$\frac{3}{8}$″ x 1 $\frac{13}{16}$″	„		do.	0 8 9	
2132	$\frac{1}{2}$″ x 2 $\frac{3}{16}$″	„	15	do.	0 10 0	
2133	$\frac{3}{4}$″ x 2 $\frac{3}{4}$″	„		do.	0 12 9	
2134	1″ x 2 $\frac{3}{4}$″	„		do.	0 14 6	
	Dies, "Landis," Style "F," Whitworth Thread—					
2135	½″ to ⅝″, as ordered	„	12 sets	set	*2 10 6	Patience & Nicholson Ltd.
2136	¾″ to 1½″, as ordered	„	50 „	do.	2 9 9	Lascelles, Parrington Ltd.
	Dies, "Landis," Style "F," for 3″ Die-head Whitworth Thread—					
2137	1¾″	„	6 „	do.	*3 18 6	Patience & Nicholson Ltd.
2138	2¼″	„	6 „	do.	*4 2 6	
	Dies, "Landis," Style "F," for ½″ Die-head Whitworth Thread—					
2139	$\frac{5}{16}$″	„	3 „	do.	1 18 3	Lascelles, Parrington Ltd.
2140	$\frac{3}{8}$″	„	3 „	do.	1 18 3	
2141	½″	„	6 „	do.	1 18 3	
2142	Dies, "Landis," Pipes, 11 and 14 threads, as ordered	„	6 „	do.	1 18 6	McPherson's Pty. Ltd.
	Dies, "Herbert," to suit Herbert's Die Heads—					
2143	1,″ style "C," sizes $\frac{3}{16}$″ to 1″, for 1″ Die Head, as ordered, Whitworth Thread	U.K.	20 „	do	1 3 7	Alfred Herbert (Aust.) Ltd.
2144	1¼″, style "C," sizes $\frac{7}{16}$″ to 1¼″, as ordered, Whitworth Thread	„	20 „	do.	1 9 3	
2145	1¼″, style "A," sizes $\frac{3}{8}$″ to 1¼″, as ordered, Whitworth Thread	„	1 „	do.	1 9 3	
2146	2″, style "C," sizes ¾″ to 2″, as ordered, Whitworth Thread	„	5 „	do.	2 10 6	
2147	1″, style "C," sizes ¾″, ⅞″, 1″, and 1¼″, as ordered, 11 threads per inch	„	10 „	do.	1 3 7	
2148	1¼″, style "C," sizes 1″, 1⅛″ and 1¼″, as ordered, 11 threads per inch	„	50 „	do.	1 9 3	
2149	2″, style "C," sizes 1⅛″, 1¼″, 1⅜″, 1½″, and 1⅝″, as ordered, 11 threads per inch	„	5 „	do.	2 10 6	
	Chasers, Machine, Inside, to Drawing No. 309N—					
2150	3½ to 4½ threads per inch, as ordered ..	Vict.	4	each	0 9 0	Patience & Nicholson Ltd.
2151	5 to 9 „ „ „ ..	„	20	do.	0 8 6	
2152	10 to 14 „ „ „ ..	„	100	do.	0 8 0	
2153	16 to 18 „ „ „ ..	„	5	do.	0 7 6	
2154	19 to 26 „ „ „ ..	„	20	do.	0 7 0	
2155	28 to 30 „ „ „ ..	„	5	do.	0 7 0	
	Chasers, Machine, Outside, to Drawing No. 309N—					
2156	3½ to 4½ threads per inch, as ordered ..	„	4	do.	0 5 0	
2157	5 to 9 „ „ „ ..	„	20	do.	0 4 9	
2158	10 to 14 „ „ „ ..	„	100	do.	0 4 3	
2159	16 to 18 „ „ „ ..	„	5	do.	0 4 3	
2160	19 to 26 „ „ „ ..	„	20	do.	0 4 3	
2161	28 to 30 „ „ „ ..	„	5	do.	0 4 3	

* Less 2½% discount.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
	TAPS AND DIES—*continued.*					
	Chasers, Machine, Outside, 4" long—					
2162	11 threads per inch	Vict.	20	each	0 3 4	Patience & Nicholson Ltd.
2163	12 ,, ,, ...	,,		do.	0 3 4	
2164	14 ,, ,, ...	,,		do.	0 3 4	
2165	16 ,, ,, ...	,,		do.	0 3 4	
2166 to 2170	Nil					
	ELECTRODES AND WELDING WIRE.					
	(1.7.1929 to 30.9.1930.)					
	The Electrodes and Welding Wire shall be capable of depositing the material specified in connexion with welding. 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 Welding Wire shall be free from rust, oil, and grease.					
	As regards items 2181 to 2185, two tenders have been accepted in order that it may be definitely established having regard to price and quality, which is the more suitable electrode for use in this Department. Until this has been determined, the orders are, as nearly as possible, to be equally divided.					
	Electrodes, Mild Steel, suitable for ordinary general work, "E.M.F."—					
†2171	No. 4 S.W.G.	Vict.	4,000 feet	100 ft.	0 15 9	Edmunds Bros. & Co.
†2172	No. 6 S.W.G.	,,	2,000 ,,	do.	0 12 10	
†2173	No. 8 S.W.G.	,,	13,000 ,,	do.	0 10 5	
†2174	No. 10 S.W.G.	,,	70,000 ,,	do.	0 8 0	
	Electrodes, Mild Steel, suitable for sheet metal work, "E.M.F."—					
†2175	No. 12 S.W.G.	,,	5,000 ,,	do.	0 7 0	
†2176	No. 14 S.W.G.	,,	6,000 ,,	do.	0 7 0	
	Electrodes, Mild Steel, suitable for special work where strength and reliability are important, "Q.A."—					
†2177	No. 8 S.W.G.	,,	5,000 ,,	do.	0 12 10	Robert Bryce & Co. Pty. Ltd.
†2178	No. 10 S.W.G.	,,	10,000 ,,	do.	0 10 6	
	Electrodes, Mild Steel, suitable for overhead work, "Q.A." Overhead—					
†2179	No. 8 S.W.G.	,,	10,000 ,,	do.	0 18 11	
†2180	No. 10 S.W.G.	,,	15,000 ,,	do.	0 15 2	
	Electrodes, Mild Steel, suitable for work required to be forged hot—					
†2181	No. 8 S.W.G. "Q.A." Uranium ..	,,	2,000 ,,	do.	0 18 11	
†2181A	No. 8 S.W.G. "E.M.F."	,,		do.	0 14 0	Edmunds Bros. & Co.
†2182	No. 10 S.W.G. "Q.A." Uranium ..	,,	2,000 ,,	do.	0 15 2	Robert Bryce & Co. Pty. Ltd.
†2182A	No. 10 S.W.G. "E.M.F."	,,		do.	0 11 10	Edmunds Bros. & Co.
	Electrodes, Steel, to deposit 0.5 per cent. Carbon Steel—					
†2183	No. 6 S.W.G.	,,	3,000 ,,	do.	1 9 6	Robert Bryce & Co. Pty. Ltd.
†2183A	No. 6 S.W.G. "E.M.F."	,,		do.	1 5 11	Edmunds Bros. & Co.
†2184	No. 8 S.W.G.	,,	5,000 ,,	do.	1 5 0	Robert Bryce & Co. Pty. Ltd.
†2184A	No. 8 S.W.G. "E.M.F."	,,		do.	1 2 0	Edmunds Bros. & Co.
†2185	No. 10 S.W.G.	,,	5,000 ,,	do.	1 0 0	Robert Bryce & Co. Pty. Ltd.
†2185A	No. 10 S.W.G. "E.M.F."	,,		do.	0 17 4	Edmunds Bros. & Co.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate. £ s. d.	Name of Contractor.
	ELECTRODES AND WELDING WIRE—*continued.*					
	Wire, Electric Welding, in about 1-cwt. coils, "Rylands"—					
†2186	$\frac{3}{16}$" diameter	N.S.W.	15 cwt.	cwt.	1 5 3	Lascelles Parrington Ltd.
†2187	$\frac{1}{8}$" diameter	"	10 "	do.	1 3 6	
	Wire, Iron, Welding, in about 3' lengths, "Rylands"—					
†2188	10 gauge annealed	"	10 "	do.	1 5 0	Oxygen Service & Mfg. Co. Pty. Ltd.
†2189	$\frac{1}{16}$"	"	1 "	do.	2 0 0	Gardner, Waern & Co. Pty. Ltd.
†2190	$\frac{3}{16}$"	"	60 "	do.	1 9 6	Briscoe & Co. Ltd.
†2191	$\frac{1}{4}$"	"	30 "	do.	1 8 0	
	Wire, Welding—					
†2192	$\frac{1}{8}$" S.I.F. Bronze	U.K.	2 "	do.	11 10 0	Oxygen Service & Mfg. Co. Pty. Ltd.
†2193	$\frac{3}{16}$" "	"	2 "	do.	11 10 0	
†2194	$\frac{1}{4}$"	"	8 "	do.	15 0 0	Aust. Oxygen & Indust. Gases Pty. Ltd.
2195 to 2196	Nil					
	CORKS AND BOTTLING WAX. (1.7.1929 to 30.9.1930.)					
†2197	Wax, Bottling, in blocks, any colours ordered	Vict.	200 lb.	lb.	0 0 4	Sands & McDougall Pty. Ltd.
	Corks—					
*2198	Axle-box, large quart and extra tapers ..	"	1,500 gross	gross	0 1 8	H. A. Waxman & Co.
*2199	" small	"		do.	0 1 2	
*2200	Bungs, $1\frac{1}{4}$"	"		do.	0 7 3	
*2201	" $1\frac{3}{8}$" Tap Ends	"	40 "	do.	0 3 9	
*2202	" $1\frac{1}{4}$" " "	"		do.	0 3 7	
*2203	Phial	"	6 "	do.	0 1 0	
*2204	Roof Lamp, $1\frac{1}{8}$" Tap Ends	"	12 "	do.	0 2 10	
2205 to 2207	Nil.					
	SLATES. (1.7.1929 to 30.9.1930.)					
	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 the Spencer-street Railway Station, and be consigned thence as ordered, such loading, &c., to be to the satisfaction of the Receiving Officer.					
†2208	Slates, Roofing, 24" x 12"	France	5,000	100	3 10 0	D. Robertson
†2209	" " 20" x 10"	"	200	do.	2 10 0	
	WATER TROUGHS, ETC. (1.7.1929 to 30.9.1930.)					

Item 2210.—The Cattle Trough must 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 $\frac{1}{2}$-in. connexion for a ball cock. A suitable steel hood and padlock shall be provided to protect the ball cock. No crating required.

Item 2211.—The Pig Trough shall be 8 feet long, with a cross-section of approximately 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 $\frac{1}{2}$-in. connexion for a ball cock. A suitable steel hood and padlock shall be provided to protect the ball cock. The rate tendered shall include crating suitable for transport by rail.

Item 2212.—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 2213.—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.

Item No. 2210 will be delivered loaded into trucks at Springvale Railway Station.

Items Nos. 2211 to 2213 will be delivered loaded into trucks at Hawthorn Railway Station.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate. £ s. d.	Name of Contractor.
	WATER TROUGHS, ETC.—*continued.*					
	Trough, reinforced concrete—					
2210	12′ long, for Cattle (as specified) ..	Vict.	10	each	7 10 0	Coates and Co. Pty. Ltd.
2211	8′ long, for Pigs (as specified)	,,	10	do.	3 0 0	G. Simpson and Son
2212	Trough, Wash, reinforced cement (as specified)	,,	150	do.	1 6 6	
2213	Concrete Copper Stands (as specified) ..	,,	70	do.	3 19 0	
2214 to 2216	Nil.					

STEEL CASTINGS.

(1.7.1929 to 30.9.1930.)

The Contractor shall, during the currency of the Contract, furnish the Comptroller of Stores with the address or addresses of the place or places at which the Steel Castings are being manufactured, and the Comptroller of Stores 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 Comptroller of Stores, 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 Specification No. E7–1925 T of the Australian Commonwealth Engineering Standards Association.

The yield point of the steel test piece shall be at least 50 per cent. of its ultimate strength.

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.

After annealing or normalizing the Castings shall not be dipped in any coating preparation.

The Castings shall be delivered entirely free from sand and scale. In the event of any Casting proving unserviceable during the first six months' use, due, in the opinion of the Comptroller of Stores to some defect which could not reasonably have been discovered by visual or other examination of the rough casting, the Contractor shall at his own expense and at the discretion of the Comptroller of Stores replace or make good the defective casting.

The Corporation shall have the right to destroy or witness the destruction of any rejected casting.

Subject to the provisions of Note 11 following, 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 Comptroller of Stores 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.

Under Item No. 2217 it will be noted that the lowest Tender received is that of the United Engr. & Malleable Co. Pty. Ltd. A trial order is to be placed with this Company early in the contract period to determine whether future orders will be supplied by this Company. If satisfactory, this Contractor should receive the business where advantageous.

As regards the items for which three tenders have been accepted provided satisfactory service is rendered, the business is to be, as far as possible, equally divided, and the same class of Casting, as far as possible, ordered from the one Contractor.

Place of delivery—

Thompsons Engr. & Pipe Co.	Siding at Williamstown or Newport.
Steel Co. of Aust. Pty. Ltd. and Davies, Baird & Robertson Pty. Ltd.	South Brunswick or Spencer-street.
Chas. Ruwolt Pty. Ltd.	Burnley or Spencer-street.
United Eng. & Malleable Co. Pty. Ltd.	Spencer-street or Newport.

	Castings, Steel—					
2217	Under 2 lb., with or without wearing surfaces, as ordered	Vict.	2 tons	ton	112 0 0	Thompsons Engineering & Pipe Co. Ltd.
2217A	Under 2 lb., with or without wearing surfaces, as ordered	,,		do.	112 0 0	Chas. Ruwolt Pty. Ltd.
2217B	Under 2 lb., with or without wearing surfaces, as ordered	,,		do.	112 0 0	Steel Co. of Aust. Pty. Ltd.
2217C	Under 2 lb., with or without wearing surfaces, as ordered	,,		do.	92 10 0	United Engineering & Malleable Co. Pty. Ltd.
2218	2 lb. and up to 14 lb., with or without wearing surfaces, as ordered	,,	100 ,,	do.	60 0 0	Thompsons Engineering & Pipe Co. Ltd.
2218A	2 lb. and up to 14 lb., with or without wearing surfaces, as ordered	,,		do.	60 0 0	Chas. Ruwolt Pty. Ltd.
2218B	2 lb. and up to 14 lb., with or without wearing surfaces, as ordered	,,		do.	60 0 0	Steel Co. of Aust. Pty. Ltd.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate. £ s. d.	Name of Contractor.
	STEEL CASTINGS—*continued.*					
	Castings, Steel—*continued.*					
2219	Over 14 lb. and up to 1 cwt., with or without wearing surfaces, as ordered	Vict.	700 tons	ton	44 0 0	Thompsons Engineering & Pipe Co. Ltd.
2219A	Over 14 lb. and up to 1 cwt., with or without wearing surfaces, as ordered	,,		do.	44 0 0	Chas. Ruwolt Pty. Ltd.
2219B	Over 14 lb. and up to 1 cwt., with or without wearing surfaces, as ordered	,,		do.	44 0 0	Steel Co. of Aust. Pty. Ltd.
2220	Over 1 cwt., with or without wearing surfaces, as ordered	,,	250 ,,	do.	42 0 0	Thompsons Engineering & Pipe Co. Ltd.
2220A	Over 1 cwt., with or without wearing surfaces, as ordered	,,		do.	42 0 0	Chas. Ruwolt Pty. Ltd.
2220B	Over 1 cwt., with or without wearing surfaces, as ordered	,,		do.	42 0 0	Steel Co. of Aust. Pty. Ltd.
	Castings, Steel, with wearing surfaces—					
2221	Crossheads, Engine, A2, DD, C, K, and N, as ordered	,,	5 ,,	do.	62 0 0	Thompsons Engineering & Pipe Co. Ltd.
2221A	Crossheads, Engine, A2, DD, C, K, and N, as ordered	,,		do.	62 0 0	Chas. Ruwolt Pty. Ltd.
2221B	Crossheads, Engine, A2, DD, C, K, and N, as ordered	,,		do.	62 0 0	Steel Co. of Aust. Pty. Ltd.
2222	Crossheads, Engine, narrow gauge ..	,,	4 cwt.	cwt.	3 12 0	Thompsons Engineering & Pipe Co. Ltd.
2222A	Crossheads, Engine, narrow gauge ..	,,		do.	3 12 0	Chas. Ruwolt Pty. Ltd.
2222B	Crossheads, Engine, narrow gauge ..	,,		do.	3 12 0	Steel Co. of Aust. Pty. Ltd.
	Castings, Steel, without wearing surfaces—					
2223	Axle Boxes, Electric Motor	,,	200 tons	ton	62 0 0	Davies, Baird & Robertson Pty. Ltd.
2224	,, ,, Standard Car	,,		do.	62 0 0	
2225	,, ,, Wagons	,,		do.	58 0 0	
2226	,, ,, Engine	,,		do.	50 0 0	
2227	,, ,, Engine Bogie	,,		do.	50 0 0	
2228	,, ,, Engine Truck	,,		do.	62 0 0	
	Castings, Steel, over 1 cwt., with or without wearing surfaces, as ordered—					
2229	Frame Stays, Bogie Centres, and Striking Plates	,,	50 ,,	do.	58 0 0	Thompsons Engineering & Pipe Co. Ltd.
2229A	Frame Stays, Bogie Centres, and Striking Plates	,,		do.	58 0 0	Chas. Ruwolt Pty. Ltd.
2229B	Frame Stays, Bogie Centres, and Striking Plates	,,		do.	58 0 0	Steel Co. of Aust. Pty. Ltd.
2230 to 2231	Nil					

CAST STEEL JUNCTION FISHPLATES.

(1.7.1929 to 30.9.1930.)

SPECIFICATION.

Patterns.—The Corporation will supply all patterns to the Contractor at the Way and Works Branch Workshops, Spotswood, Victoria, upon requisition to the Comptroller of Stores.

The patterns shall be kept in proper repair by the Contractor, and shall be returned in good order and condition to the Workshops Manager, Spotswood, on completion of each service ordered.

Description.—The Cast Steel Junction Fishplates shall be of the classes and weights ordered from time to time.

Quality of Material.—The castings shall be manufactured from steel produced by an approved process, and must not show on analysis more than 0.07 per cent. of sulphur or phosphorus.

Heat Treatment.—All castings shall be thoroughly annealed by heating to a temperature not less than the normalizing temperature (not exceeding 900 degrees C.) and allowing to cool slowly from the maximum temperature in a practically uniform manner.

Moulding.—The castings shall be accurately moulded in accordance with the patterns supplied, with the letters and figures well defined (denoting the hand, &c., and weights of rails), and in addition shall have a test bar of ½ inch square section and 2 inches long cast thereto for the cold bend test.

The castings shall be of the highest quality and finish, free from shrinkage recesses, holes, sand, and scale, with smooth and straight bearing faces so that a perfect fit to the heads and flanges of the rails is always maintained.

Repairs to Defective Castings.—Any defects or unsound metal which a casting may have, from whatever cause arising shall be left bare and no filling with the object of obliterating such defects will be permitted.

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

CAST STEEL JUNCTION FISHPLATES—*continued.*

Cold Bend Test.—The test bar attached to each casting must withstand, without fracture, being bent double by striking with a 1¼-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 reasonable times during the course of manufacture of the castings. He shall be at liberty to inspect the castings at any stage, and to reject any casting or material that is unsound or does not otherwise conform to the terms of this Specification (even if they have withstood the cold bend test), and shall have the right to destroy or witness the destruction of any rejected fishplates. Every approved Cast Steel Junction Fishplate shall be indelibly stamped by the Superintending Officer at one end thus— (V R) (⅜ inch diameter), also a letter indicating the Manufacturer's initial; thus—R. The castings shall NOT be coated with any substance.

Delivery.—The Cast Steel Junction Fishplates shall be delivered, loaded into railway trucks by and at the cost of the Contractor at Spencer-street Railway Station, and consigned to the Workshops Manager, Spotswood, Victoria, on blue consignment notes, which will be supplied by the Superintending Officer.

2232	Cast Steel Junction fishplates (annealed) with wearing surfaces, as ordered from time to time	Vict.	40 tons	ton	45 0 0	C. Ruwolt Pty. Ltd.

BRASS AND GUNMETAL CASTINGS,

(1.7.1929 to 30.9.1930.)

YELLOW BRASS CASTINGS.—*Item* No. 2233.

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. 2234.

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 Comptroller of Stores or his representative. The chemical composition thus determined shall conform to the requirements specified in clause 7.

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 diameter of ·564 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 Comptroller of Stores 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 Comptroller of Stores or his representative shall agree upon another selection of another specimen in its stead.

Finish.—The castings shall be free from injurious defects, clean, free from sand, and with all fins removed.

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 Comptroller of Stores shall be paid by the Contractor, or may be deducted from any money due to the Contractor by the Corporation.

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 Sands Hill Manufacturing Co. when the Workshops' Manager is unable to meet demands.

2233	Castings, Brass, Yellow	Vict.	4,000 lb.	lb.	0 1 0½	Sands Hill Manufacturing Co.
2234	„ Gunmetal	„	1,500 „	do.	0 1 2½	
2235 to 2237	Nil					(See preceding note.)

GALVANIZED IRON.

(1.7.1929 to 30.9.1930.)

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, were lodged, and the galvanized iron delivered shall, as regards quality, be in accordance with the respective sample.

The rates 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 Comptroller of Stores of the Victorian Railways. Wharfage will be arranged by the Comptroller of Stores, and the amount involved deducted from the Contractor's invoice.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate. £ s. d.	Name of Contractor.
	Sheet, Corrugated, 26 gauge, "Orb"—					
2238	5′	N.S.W.	30 tons	ton	24 10 5	Edward Duckett & Sons
†2239	6′	,,		do.	24 10 5	
2240	7′	,,		do.	24 10 5	
2241	8′	,,		do.	24 10 5	
2242	9′	,,	4 ,,	do.	25 0 0	
2243	10′	,,	1 ,,	do.	25 9 9	
2244	6′, 1″ pitch (Baldwin's)	U.K.	8 ,,	do.	24 15 0	Baldwins & J.C.M. (Aust.) Pty. Ltd.
2245	7′, 1″ pitch ,,	,,		do.	24 15 0	
2246	8′, 1″ pitch ,,	,,		do.	24 15 0	
	Sheet, Corrugated, 24 gauge, "Orb"—					
2247	5′	N.S.W.	200 ,,	do.	23 1 11	
2248	6′	,,		do.	23 1 11	
2249	7′	,,		do.	23 1 11	
2250	8′	,,		do.	23 1 11	
2251	9′	,,	40 ,,	do.	23 11 6	
2252	10′	,,	30 ,,	do.	24 1 3	
	Sheet, Plain, 28 gauge, "Queen's Head"—					
2253	6′ x 2′	,,	1 ,,	do.	27 12 2	
2254	6′ x 2′ 6″	,,	1 ,,	do.	27 12 2	
2255	6′ x 3′	,,	2 ,,	do.	27 12 2	
	Sheet, Plain, 26 gauge, "Queen's Head"—					
2256	6′ x 2′ 6″	,,	40 ,,	do.	26 3 5	
†2257	6′ x 3′	,,		do.	26 3 5	
	Sheet, Plain, 24 gauge, "Queen's Head"—					
2258	6′ x 2′	,,	2 ,,	do.	24 15 2	Edward Duckett & Sons
2259	6′ x 2′ 6″	,,	6 ,,	do.	24 15 2	
2260	6′ x 3′	,,	60 ,,	do.	24 15 2	
	Sheet, Plain, 22 gauge, "Queen's Head"—					
2261	6′ x 2′ 6″	,,	1 ,,	do.	24 15 2	
2262	6′ x 3′	,,	1 ,,	do.	24 15 2	
	Sheet, Plain, 20 gauge, "Queen's Head"—					
2263	6′ x 2′	,,	2 ,,	do.	24 15 2	
2264	6′ x 2′ 6″	,,	2 ,,	do.	24 15 2	
2265	6′ x 3′	,,	12 ,,	do.	24 15 2	
	Sheet, Plain, 18 gauge, "Queen's Head"—					
2266	6′ x 2′	,,	6 ,,	do.	24 15 2	
2267	6′ x 2′ 6″	,,	1 ,,	do.	24 15 2	
2268	6′ x 3′	,,	12 ,,	do.	24 15 2	
	Sheet, Plain, 16 gauge, "Queen's Head"—					
2269	6′ x 2′	,,	3 ,,	do.	24 15 2	
2270	6′ x 2′ 6″	,,	5 ,,	do.	24 15 2	
2271	6′ x 3′	,,	6 ,,	do.	24 15 2	
2272 to 2275	Nil					

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

DRAWING PAPERS, PAPER BAGS, ETC.

(1.7.1929 to 30.9.1930.)

	Paper, Drawing—					
†2276	Antiquarian, hand-made, James Whatman, "N.O.T."	U.K.	12 quires	quire	3 15 0	W. & G. Dean Pty. Ltd.
†2277	Antiquarian, mounted on linen ..	Vict. & U.K.	60 yards	lin. yd.	0 9 0	
†2278	Double Elephant, hand-made, "James Whatman," or H.P.	U.K.	6 quires	quire	1 0 9	Max Wurcker Ltd.
†2279	Cartridge, 60″ wide, continuous, in rolls of 50 yards	,,	40 rolls	roll	1 5 0	Wiggins, Teape & A. Pirie (Export) Ltd.
†2280	Cartridge, 54″ wide, mounted on linen, in rolls of 50 yards	Vict. & U.K.	8 ,,	do.	12 10 0	W. & G. Dean Pty.Ltd.
†2281	Tenax, 60″ wide, continuous, in rolls of 50 yards, No, 62	U.K.	12 ,,	do.	3 0 0	R. C. Paterson & Co. Pty. Ltd.
	Cloth, Tracing—					
*2282	30″ wide, 24 yards in roll, "Sagars" ..	,,	80 ,,	do.	2 11 6	W. & G. Dean Pty. Ltd.
*2283	38″ wide, 24 yards in roll, "Sagars" ..	,,	80 ,,	do.	2 19 6	
†2284	Paper, Tracing, unoiled, continuous 40″ wide, 25 yards in roll	,,	36 ,,	do.	0 7 6	
	Bags, Paper, Brown, long or square, as ordered—					
†2285	½ lb.	Vict.	6,000	1,000	0 2 4½	C. R. Gabb & Co.
†2286	1 lb.	,,	300,000	do.	0 3 0½	
†2287	2 lb.	,,	500,000	do.	0 4 4	
†2288	3 lb.	,,	500,000	do.	0 5 11	
†2289	4 lb.	,,	500,000	do.	0 6 11	
†2290	6 lb.	,,	80,000	do.	0 8 9	
	Bags, Paper, Confectionery—					
†2291	4 oz.	,,	30,000	do.	0 1 9	
†2292	6 oz.	,,	6,000	do.	0 1 10½	
†2293	8 oz.	,,	90,000	do.	0 2 0	
†2294	16 oz.	,,	30,000	do.	0 2 9½	
	Bags, Paper, Kraft, Brown, heavy—					
†2295	6 lb.	,,	6,000	do.	0 17 6	Andrew Jack, Dyson & Co. Pty. Ltd.
†2296	8 lb.	,,	6,000	do	1 2 6	
†2297	10 lb.	,,	25,000	do.	1 6 0	
†2298	12 lb.	,,	50,000	do.	1 9 0	
†2299	16 lb.	,,	6,000	do.	1 17 6	
	Bags, Sugar, Pure Kraft—					
†2300	½ lb.	,,	3,000	1,000	0 6 8	Andrew Jack, Dyson & Co. Pty. Ltd.
†2301	1 lb.	,,	6,000	do.	0 7 0	
†2302	2 lb.	,,	6,000	do.	0 9 0	
†2303	3 lb.	,,	8,000	do.	0 11 0	
†2304	4 lb.	,,	6,000	do.	0 12 6	
†2305	6 lb.	,,	6,000	do.	0 17 6	
†2306	8 lb.	,,	6,000	do.	1 2 6	
†2307	10 lb.	,,	4,000	do.	1 6 0	
†2308	Bags, Coin, 5″ x 7″	,,	18,000	do.	0 6 8	
	Boxes, Cardboard—					
*2309	7¼″ x 4¼″ x 2½″	..	15 gross	gross	.. ..	Nil
	Envelopes—					
†2310	Glazed Manilla, Pocket, 2¾″ x 5¼″ ..	Vict.	20,000	1,000	0 4 9	Spicers & Detmold Ltd.
*2311	First Quality, White, Note, 5⅝″ x 3⅛″ ..	,,	30,000	do.	0 4 5	
†2312	Pence, M.G. Manilla, 3″ x 2¾″	,,	35,000	do.	0 4 1	
*2313	Window-faced, G. 101 B, 5¾″ x 3½″, printed on front and flap, to sample. Two electros supplied, and to be returned in good order and condition. The Envelopes to be banded in lots of 25, and boxed in lots of 500	..	600,000	do.	.. ..	Nil

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
	DRAWING PAPERS, PAPER BAGS, ETC.—*continued.*					
	Rolls of Paper—					
†2314	Burroughs Adding Machine Paper ..	Vict.	500 rolls	roll	0 0 10	Spicers & Detmold Ltd.
†2315	Paper, Brown, Gummed Adhesive, 1" wide, 800' to roll	Canada	300 ,,	do.	0 0 11	Sands & McDougall Pty. Ltd.
†2316	White News, 12" wide x 50 yards long ..	Vict.	700 ,,	do.	0 0 10	Spicers & Detmold Ltd.
*2317	Tabulating Rolls for Powers Machine ..	N.S.W.	1,800 ,,	do.	0 1 6 f.o.r. Sydney	Government Printer, Sydney
†2318	Tape, Telegraph Instrument	Vict.	1,000 lb.	lb.	0 0 10½	
	Visiting Cards—					
†2319	Cards, Gent's Visiting, round or square cornered, as ordered (boxes of 50's), "Rajah."	,,	300 boxes	box	0 0 3	Spicers & Detmold Ltd.
2320 to 2324	Nil.					

PRINTING AND WRITING PAPERS.

(1.7.1929 to 30.9.1930.)

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.

The rates shown for Wiggins, Teape & A. Pirie (Export) Ltd. and Woolcott and Mackie Pty. Ltd. are based on existing sea freight from Great Britain and Norway current at the time of tendering, and in the event of there being any increase or decrease and such increase or decrease is announced in the daily press, provided freight is arranged on the most satisfactory basis and documentary evidence of the amount of freight paid and that included in the tender is produced, the difference shall be to the Corporation's account. The Corporation will not be responsible for any additional sea freight except under these conditions.

As regards item 2384, the rate tendered by the Australian Paper Manufacturers Ltd. is within the measure of preference, and after it has been determined that the 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.

Woolcott and Mackie Pty. Ltd. to be allowed time to meet initial orders.

	Printing Papers—						
†2325	Quad. Crown, News, 44 lb.	U.K.	180 reams	ream	0 8 7½	Gordon & Gotch (A/asia.) Ltd.
†2326	,, M.G. Litho., 54 lb. ..	,,	30 ,,	do.	0 17 4	E. H. Cooper Pty. Ltd.
†2327	,, Art, 72 lb., 500's Perfect ..	,,	350 ,,	do.	1 15 6	Wiggins, Teape & A. Pirie (Export) Ltd.
†2328	,, Art, 120 lb., 500's ..	,,	36 ,,	do.	3 0 0	
†2329	,, White, 48 lb.	,,	1,200 ,,	do.	0 13 9	John Dickinson & Co. (A/asia.) Ltd.
†2330	,, Sup. Cal., 72 lb.	,,	1,500 ,,	do.	1 0 7½	
†2331	,, Imitation Art, 72 lb. ..		1,500 ,,	do.	..	Nil
†2332	Double Royal, Blue, 48 lb.	Norway	100 ,,	do.	0 11 5	
†2333	,, Cerise, 48 lb.	,,	60 ,,	do.	0 11 5	Woolcott & Mackie Pty. Ltd.
†2334	,, Green, 48 lb.	,,	60 ,,	do.	0 11 5	
†2335	,, Red, 48 lb.	Belgium	150 ,,	do.	0 15 6	E. H. Cooper Pty. Ltd.
†2336	,, Salmon, 48 lb.	Norway	70 ,,	do.	0 11 5	
†2337	,, Yellow, 48 lb.	,,	250 ,,	do.	0 11 5	Woolcott & Mackie Pty. Ltd.
†2338	,, Pink, 48 lb.	,,	200 ,,	do.	0 11 5	
†2339	,, White, 40 lb.	U.K.	1,800 ,,	do.	0 11 5½	John Dickinson & Co. (A/asia.) Ltd.
†2340	,, White, 50 lb.	,,	800 ,,	do.	0 13 10	A. J. Wallace
†2341	,, News, 37 lb.	,,	700 ,,	do.	0 7 3	Gordon & Gotch (A/asia.) Ltd.
†2342	,, M.G., 80 lb.	,,	60 ,,	do.	1 8 3	L. W. Woolcott
†2343	,, Art, 60 lb., 500's Perfect..	,,	50 ,,	do.	1 10 0	Wiggins, Teape & A. Pirie (Export) Ltd.
†2344	Quad. Foolscap, White, 37 lb.	,,	2,500 ,,	do.	0 10 7½	John Dickinson & Co. (A/asia.) Ltd.
†2345	,, Yellow, 40 lb. ..	Scand.	120 ,,	do.	0 9 7	
†2346	Double Medium, Cerise, 80 lb.	,,	10 ,,	do.	0 19 6	
†2347	,, Yellow, 80 lb. ..	,,	6 ,,	do.	0 19 6	E. H. Cooper Pty. Ltd.
†2348	,, Salmon, 80 lb. ..	,,	30 ,,	do.	0 19 6	
†2349	,, Blue, 80 lb.	,,	12 ,,	do.	0 19 6	
†2350	,, Art, 56 lb., 500's Perfect	U.K.	25 ,,	do.	1 8 0	Wiggins, Teape & A. Pirie (Export) Ltd.
†2351	,, Old Gold, 60 lb. ..	Scand.	60 ,,	do.	0 14 6	E. H. Cooper Pty. Ltd.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate. £ s. d.	Name of Contractor.
	PRINTING AND WRITING PAPERS—*continued.*					
	Printing Papers—*continued.*					
†2352	Glazed Cap, 36″ x 24″, 45 lb.	N.S.W.	500 reams	ream	0 16 0	Aust. Paper Manufacturers Ltd.
†2353	Smooth Cartridge, 20″ x 25″, 40 lb. ..	Vict.	170 „	do.	0 18 6	
†2354	Double Demy, Yellow, 40 lb.	Norway	400 „	do.	0 9 6	Woolcott & Mackie Pty. Ltd.
†2355	„ Green, 40 lb.	„	70 „	do.	0 9 6	
†2356	„ Pink, 40 lb.	„	120 „	do.	0 9 6	Woolcott & Mackie Pty. Ltd.
†2357	„ Red, 40 lb.	Belgium	40 „	do.	0 13 0	E. H. Cooper Pty. Ltd.
†2358	„ Salmon, 40 lb.	Norway	120 „	do.	0 9 6	Woolcott & Mackie Pty. Ltd.
†2359	„ News, 28 lb.	U.K.	1,500 „	do.	0 5 6	Gordon & Gotch (A/asia.) Ltd.
†2360	„ White, 40 lb.	„	300 „	do.	0 11 5½	John Dickinson & Co. (A/asia.) Ltd.
†2361	„ White, Sup. Cal., 40 lb. ..	„	30 „	do.	0 11 5½	
†2362	„ Green, 24 lb.	Scand.	60 „	do.	0 5 9	E. H. Cooper Pty. Ltd.
†2363	Demy, White, Gummed, 1st quality, 500's non-curling "Don"	U.K.	12 „	do.	0 17 3	Wiggins, Teape & A. Pirie (Export) Ltd.
†2364	„ „ „ 2nd quality, 500's non-curling	„	250 „	do.	0 14 0	
†2365	Double Crown, Manilla, Carte, 20″ x 30″, 100 lb.	Victoria	60 „	do.	1 17 6	Aust. Paper Manufacturers Ltd.
†2366	„ White Cap., 7-8 lb. ..	Scand.	600 „	do.	0 2 6½	E. H. Cooper Pty. Ltd.
†2367	„ Grease-proof, 16-17 lb. ..	„	250 „	do.	0 5 7½	
†2368	Paper, Striped Scaling or Brown Cap, 19″ x 29″, 8 lb.	„	30 „	do.	0 2 7½	
	Lithographic Papers—					
†2369	51″ x 31″, 160 lb. 75055	U.K.	36 „	do.	2 16 8	Wiggins, Teape & Alex. Pirie (Export) Ltd.
	Writing Papers—					
†2370	Double Large Post, Bank, White, 22 lb.	„	250 „	do.	0 7 3	E. H. Cooper Pty. Ltd.
†2371	„ „ White, 36 lb. ..	„	250 „	do.	0 10 9	J. Dickinson & Co. (A/asia) Ltd.
†2372	„ „ White, 46 lb. .. „ "Inverdon"	„	120 „	do.	0 18 2	Wiggins, Teape & A. Pirie (Export) Ltd.
†2373	„ „ Azure, 46 lb., "Inverdon"	„	25 „	do.	0 18 2	
†2374	„ Medium Bond, White, 36 lb. ..	Canada	600 „	do.	0 18 5	L. W. Woolcott
†2375	„ „ Blue, 36 lb. ..	„	25 „	do.	0 19 8	
†2376	„ „ Green, 36 lb. ..	„	25 „	do.	0 19 8	
†2377	„ „ Pink, 36 lb. ..	„	60 „	do.	0 19 8	
†2378	„ „ Yellow, 36 lb. ..	„	60 „	do.	1 0 0	
†2379	„ Medium, Azure, 68 lb. .. Standard Ledger	U.K.	60 „	do.	2 2 6	Wiggins, Teape & A. Pirie (Export) Ltd.
†2380	Quad. Foolscap, Bank, 15 lb. (Manifolding)	Scand.	60 „	do.	0 8 0	Gordon & Gotch (A/asia.) Ltd.
†2381	„ Azure Laid, 60 lb. .. Standard Ledger	U.K.	120 „	do.	1 17 6	Wiggins, Teape & A. Pirie (Export) Ltd.
†2382	„ Azure, 48 lb. 74828 ..	„	80 „	do.	0 17 0	
†2383	„ White, 48 lb. Wove .. „ "Inverdon"	„	1,000 „	do.	0 18 11	
†2384	„ Duplicating White, 48 lb. hard-sized	„	2,500 „	do.	1 2 9	John Dickinson & Co. (A/asia) Ltd.
†2384A	„ Duplicating White, 48 lb. hard-sized	Vict.		do.	1 4 0	Australian Paper Manftrs. Ltd.
†2385	„ Bank, White, 28 lb. ..	„		do.	0 12 3	Australian Paper Manfs. Ltd.
†2386	„ „ Cerise, 28 lb. ..	„		do.	0 12 3	
†2387	Double Royal, Bank, White, 30 lb. ..	„	3,000 „	do.	0 13 1½	
†2388	Double Demy, Bank, White, 25 lb. ..	„		do.	0 10 11¼	
†2389	„ Old Gold, 25 lb.	„		do.	0 10 11¼	
†2390	Double Foolscap, Blue, 24 lb.	U.K.	70 „	do.	0 11 11½	John Dickinson & Co. (A/asia) Ltd.
†2391	„ C.L., 28 lb. "Croxley Reliance"	„	180 „	do.	1 8 0	
†2392	„ 28 lb. "Motor Extra Strong,"	„	36 „	do.	0 15 2	Woolcott & Mackie Pty. Ltd.
†2393	Double Demy, Azure, 48 lb. .. .. Standard Ledger	„	100 „	do.	1 10 0	Wiggins, Teape & A. Pirie (Export) Ltd.
†2394	Royal Azure, 42 lb. Standard Ledger ..	„	12 „	do.	1 6 3	
†2395	Azure Laid, 16¾″ x 37″, 50-51 lb. ..	..	180 „	do.	.. ..	Nil.
†2395A	Azure, 17½″ x 40″ (Quad. Foolscap, Azure, 48 lb. substance)	U.K.	150 „	do.	0 18 6	Woolcott & Mackie Pty. Ltd.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate. £ s. d.	Name of Contractor.
	PRINTING AND WRITING PAPERS—*continued.*					
	Writing Paper—*continued.*					
†2396	27″ x 41″, White, 75 lb., 500's.	U.K.	36 reams	ream	1 4 6	E. H. Cooper Pty. Ltd.
	Blotting Paper—					
†2397	Demy, White, 36 lb.	Vict.	120 „	do.	0 19 6	Australian Paper Mnfrs. Ltd.
†2398	Demy, White, 46 lb. 1st quality, folded or flat; as ordered	U.K.	60 „	do.	2 2 2	John Dickinson & Co. (A/asia) Ltd.
2399 to 2400	Nil.					
	CARBON PAPER.					
	(1.7.1929 to 30.9.1930.)					
	As regards Items Nos. 2415, 2416, and 2417, the Carbon Paper shall be capable of taking five clear copies and of durable quality.					
	Paper, Carbon, blue, extra rich, two sides, 20 lb.					
†2401	Demy Folio, 17½″ x 11½″, Pencil ..	U.K.	36 reams	ream	2 6 8	Harston, Partridge & Co. Pty. Ltd.
†2402	Foolscap Folio, 13½″ x 8½″, Pencil ..	„	6 „	do.	1 11 6	
†2403	Paper, Carbon Billing blue, Brief, 16″ x 13,″ in boxes of 100 sheets, "Hall Mark"	Vic.	400 boxes	box	0 7 0	Ramsay & Hall Pty. Ltd.
	Paper, Carbon, Pen—					
†2404	Foolscap Quarto, 50 sheets per box ..	„	25 „	do.	0 2 0	
†2405	17½″ x 7½″	U.K.	3,000 sheets	100 sheets	0 3 9	Harston, Partridge & Co. Pty. Ltd.
†2406	17½″ x 10″	„	9,000 „	„	0 5 9	
	Paper, Carbon, Pencil, "Hall Mark"—					
†2407	Foolscap Folio, 13″ x 8″	Vic.	120,000 „	do.	0 2 9	
	Paper, Carbon, Typewriting, black (corner to to be cut off each sheet), "Hall Mark"—					
†2408	Foolscap Folio, 13″ x 8″, to produce up to 20 copies	„	30,000 „	do.	0 4 0	
†2409	„ Folio, 13″ x 8″, to produce up to 6 copies	„	65,000 „	do.	0 3 0	
†2410	„ Folio 16″ x 13″, to produce up to 20 copies	„	1,200 „	do.	0 8 0	
†2411	„ Folio 16″ x 13″, to produce up to 6 copies	„	23,000 „	do.	0 6 0	
	Paper, Carbon, Typewriting, "Hall Mark"—					
†2412	17½″ x 10″, to take 3 copies	„	3,000 „	do.	0 6 0	
†2413	17½″ x 7½″ „ „	„		do.	0 4 9	
†2414	10″ x 4″, for Addressograph Machine	„	6,000 „	do.	0 2 6	Ramsay & Hall Pty. Ltd.
	Paper, Carbon, Pencil, blue, one-sided, to be coated on 9-lb. paper, "Hall Mark"—					
†2415	24″ x 4½″, to take 5 copies	„	750 „	do.	0 3 3	
†2416	19″ x 9″ „ „	„	400 „	do.	0 6 6	
†2417	18″ x 5½″ „ „	„	10,000 „	do.	0 3 6	
†2418	27″ x 5″	„	400 „	do.	0 5 0	
†2419	15″ x 5″	„	400 „	do.	0 3 0	
†2420	15″ x 9″	„	700 „	do.	0 4 6	
†2421	15″ x 8″	„	500 „	do.	0 4 0	
†2422	13″ x 8″	„	15,000 „	do.	0 2 9	
†2423	13″ x 5″	„	1,000 „	do.	0 2 0	
†2424	12″ x 5″	„	150,000 „	do.	0 2 0	
†2425	11″ x 11″	„	500 „	do.	0 4 6	
†2426	11″ x 9″	„	2,000 „	do.	0 3 6	
†2427	11″ x 6″	„	10,000 „	do.	0 2 3	
2428	Nil.					
	OFFICE REQUISITES.					
	Bands, Elastic, extra strong, ½-gross boxes—					
*2429	No. 5	Victoria	15 boxes	box	0 2 9	Dunlop Perdriau Rubber Co. Ltd.
*2430	No. 6	„	4 „	do.	0 3 2	
†2431	Bands, Elastic, extra large, grey	„	30 doz.	dozen	0 1 4½	
†2432	„ „ thin, small	„	80 gross	gross	0 1 6½	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate. £ s. d.	Name of Contractor.
	OFFICE REQUISITES—*continued.*					
	Binders, Paper—"Premier"—					
†2433	No. 642	U.K.	220 gross	gross	0 1 9½	Sands & McDougall Pty. Ltd.
†2434	No. 643	„	70 „	do.	0 2 3	E. P. Briginshaw
†2435	No. 644	„	40 „	do.	0 2 11	Sands & McDougall Pty Ltd.
†2436	No. 645	„	80 „	do.	0 3 11	
†2437	Bodkins or Piercers, as ordered	„	200	each	0 0 8¼	
†2438	Bowls, Glass, 4" at top, with sponge ..	U.S.A.	120	do.	0 1 5	Spicers & Detmold Ltd.
†2439	Clips, Bulldog, 2½"	U.K.	1,800	dozen	0 1 9	Sands & McDougall Pty. Ltd.
	Crayons, Pencil, solid—					
†2440	Yellow	„	800 doz.	do.	0 1 8	
†2441	Crimson	„		do.	0 2 2½	
†2442	Green	„		do.	0 1 8	
†2443	Black	„		do.	0 1 8	
†2444	Blue	„		do.	0 1 8	
†2445	Crayons, School, white, "Bellco"	Victoria	250 boxes	box	0 1 3	Robertson & Mullens Ltd.
†2446	Erasers, Ink and Pencil, small	„	200 doz.	dozen	0 1 6	Barnet Glass Rubber Co. Ltd.
†2447	„ I.R., pink, pliable	„	100 lb.	lb.	0 2 2	Sands & McDougall Pty. Ltd.
†2448	„ „ green, small	U.S.A.	150 doz.	dozen	0 1 10	Spicers & Detmold Ltd.
	Fasteners, Paper, ordinary, in boxes of 1 gross—"Premier"—					
†2449	"Micro"	U.K.	2 boxes	box	0 0 2¾	Sands & McDougall Pty. Ltd.
†2450	S.00	„	2 „	do.	0 0 2¾	
†2451	S.0	„	12 „	do.	0 0 3¼	
†2452	S.1	„	15 „	do.	0 0 3¾	E. P. Briginshaw
†2453	S.2	„	80 „	do.	0 0 4¼	Sands & McDougall Pty. Ltd.
†2454	S.3	„	400 „	do.	0 0 5	E. P. Briginshaw
†2455	S.4	„	700 „	do.	0 0 5¾	Spicers & Detmold Ltd.
†2456	S.5	„	80 „	do.	0 0 6½	E. P. Briginshaw
†2457	S.6	„	250 „	do.	0 0 7	
†2458	S.7	„	4 „	do.	0 0 10½	Sands & McDougall Pty. Ltd.
†2459	S.8	„	20 „	do.	0 1 2	E. P. Briginshaw
†2460	S.9	„	4 „	do.	0 1 4	Sands & McDougall Pty. Ltd.
†2461	S.10	„	8 „	do.	0 1 10	E. P. Briginshaw
†2462	S.11	„	4 „	do.	0 2 0	
†2463	S.12	„	80 „	do.	0 2 6	
*2464	Files, Foolscap, clip	Victoria	250	each	0 1 7	Sands & McDougall Pty. Ltd.
†2465	Gum, Art, 2¼" x 1⅛" x 1⅛"	U.S.A.	70 doz.	dozen	0 3 6	Max Wurcker Ltd.
†2466	Holders, Pen, small H. 101	U.K.	80 gross	gross	0 4 10	Robertson & Mullens Ltd.
*2467	Inkstands, Glass, round, 4"	„	500	each	0 1 8	Sands & McDougall Pty. Ltd.
†2468	Knives, Desk "Rogers P 571"	„	100	do.	0 1 10	Briscoe & Co. Ltd.
2469	Pens, Lithographic, on card of 12, No. 659 ..	..	12 cards	card	..	Nil
	Pens, Nibs, in boxes of 1 gross—					
†2470	Hinks Well, No. 9, Steel, First quality ..	U.K.	1,200 boxes	box	0 0 11¾	Robertson & Mullens Ltd.
†2471	Brandeurs, "Times"	„	150 „	do.	0 3 11	E. P. Briginshaw
†2472	„ "Herald"	„	50 „	do.	0 1 11	Robertson & Mullens Ltd.
†2473	„ "Mail"	„	120 „	do.	0 3 11	
†2474	„ "Scribbler"	„	70 „	do.	0 2 10	
	Pens, Nibs, Gilt—					
†2475	Leonardts, 516 E.F.	„	160 „	do.	0 4 4	Spicers & Detmold Ltd.
†2476	„ 526 F.	„	120 „	do.	0 4 4	
†2477	Easterbrooks, "Relief"	U.S.A.	40 „	do.	0 3 8	
†2478	„ "Probate"	„	12 „	do.	0 3 8	
†2479	Pens, Manifold, 0505, Slip	U.K.	60 „	do.	0 2 4¼	Robertson & Mullens Ltd.
†2480	Pins, Best, Drawing, extra large, No. 494 ..	„	300 doz.	dozen	0 0 9	Sands & McDougall Pty. Ltd.
†2481	„ „ „ medium, No. 4, in boxes of 1 gross	Germany	70 boxes	box	0 0 7	Spicers & Detmold Ltd.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate. £ s. d.	Name of Contractor.
	OFFICE REQUISITES—*continued.*					
†2482	Pins, Best London, mixed, in packets of 1 oz.	U.K.	1,000 lb.	lb.	0 2 5½	Hicks Atkinson & Sons Pty. Ltd.
†2483	Rulers, Flat, 15", brass edge	U.S.A.	400	each	0 0 5½	Sands & McDougall Pty. Ltd.
†2484	Sponges, for 4" bowls	Europe	220	do.	0 0 4½	Felton, Grimwade & Co. Pty. Ltd.
†2485	Wax, Sealing, Red	Vict.	40 lb.	lb.	0 1 11	Spicers & Detmold Ltd.
†2486	Wells, Water	U.K.	24	each	0 4 3	Sands & McDougall Pty. Ltd.
2487 to 2491	Nil.					
	AMBULANCE MATERIAL.					
	(1.7.1929 to 30.9.1930.)					
	As regards Item No. 2553, Peroxide of Hydrogen, Felton, Grimwade & Co. Pty. Ltd., 3s. 6d. each will be charged for bottles, which amount will be credited if the bottles be returned in good order and condition.					
2492	Acid, Boracic	U.K.	20 lb.	lb.	0 0 7	Felton, Grimwade & Co. Pty. Ltd.
2493	Acid, Carbolic, Crystals (pure Welsh) ..	,,	4 ,,	do.	0 1 9	
2494	,, Picric	,,	5 ,,	do.	0 3 3	
2495	Ammonia, Liquid, 880 (bulk)	..	2 gals.	gallon	..	Nil
2496	,, Vaporole (12 in tin)	U.K.	4 doz.	dozen tins	1 9 0	Felton, Grimwade & Co. Pty. Ltd.
2497	Plastine, Hospital size (5-lb. tins)	Vict.	100 tins	tin	0 5 9	
2498	Arnica, Tincture of (bulk)	,,	4 lb.	lb.	0 4 3	
2499	Aspirin, 5-gr. tablets (500 in bottle) ..	,,	4 bots.	bottle	0 2 9	
2500	Balsam, Friar's, with Methylated Spirits (bulk)	,,	5 gals.	gallon	0 19 6	
	Bandages, Calico, Roller—					
2501	3 in. x 6 yds.	U.K.	800 doz.	dozen	0 2 9	Hicks, Atkinson & Sons Pty. Ltd.
2502	2 in. x 6 yds.	,,	400 ,,	do.	0 1 10	Felton, Grimwade & Co. Pty. Ltd.
2503	1 in. x 6 yds.	,,	200 ,,	do.	0 0 11	
	Bandages, Open Wove, Roller—					
2504	3 in. x 6 yds.	,,	500 ,,	do.	0 1 10	Hicks, Atkinson & Sons Pty. Ltd.
2505	2 in. x 6 yds.	,,	200 ,,	do.	0 1 3	
2506	1 in. x 6 yds.	,,	200 ,,	do.	0 0 8	
2507	Bandages, Calico, Triangular, in packets of 6 each	,,	1,000 pkts.	packet	0 1 10½	The Surgical Manufacturing Co. Ltd.
2508	Basins, Enamelled, 9 in.	Germany	6	each	0 1 1	Felton, Grimwade & Co. Pty. Ltd.
2509	,, Kidney, 6"	U.K.	12	do.	0 1 9	Surgical Manufacturing Co. Ltd.
2510	,, ,, 5"	,,	12	do.	0 1 6	
2511	Boracic Dusters 1-oz.	..	5 gross	dozen	..	Nil
	Bottles—					
2512	2 drs.	Japan	4 ,,	gross	0 3 9	Felton, Grimwade & Co. Pty. Ltd.
2513	1 oz. (square)	,,	10 ,,	do.	0 10 6	
2514	2 oz. (square)	Vict.	2 ,,	do.	0 16 0	
2515	4 oz. (flat)	,,	2 ,,	do.	1 2 6	
2516	8 oz. (flat)	,,	2 ,,	do.	1 7 0	
2517	Brushes, Camel Hair, Swan	U.K.	10 ,,	doz.	0 1 11½	The Surgical Manufacturing Co. Ltd.
2518	Chloroform, 2-oz. bottles, hermetically sealed	..	20 bots.	bottle	..	Nil
2519	Collodion (bulk)	N.S.W.	5 lb.	lb.	0 3 11	Felton, Grimwade & Co. Pty. Ltd.
2520	Chloride of Lime (1-lb. bottles)	U.K.	20 ,,	do.	0 1 0	
2521	Diarrhœa Mixture (1-lb. bottle)	Vict.	20 lb.	bottle	0 3 6	
2522	Embrocation, Elliman's	..	5 lb.	lb.	..	Nil
2523	Eye Droppers	Japan	2 doz.	dozen	0 3 6	Felton, Grimwade & Co. Pty. Ltd.
2524	Eye-shades (celluloid) Left	U.K.	50	each	0 0 1½	Warner and Webster
2525	,, ,, ,, Right	,,	50	do.	0 0 1½	
2526	Eye Baths, Glass	U.S.A.	2 doz.	dozen	0 4 3	Felton, Grimwade & Co. Pty. Ltd.
2527	Forceps, Artery	U.K.	12 pairs	pair	0 2 0	Surgical Manufacturing Co. Ltd.
2528	,, Splinter	Germany	5 doz.	do.	0 1 0	Felton, Grimwade & Co. Pty. Ltd.
2529	Gauze, Plain (Butter Cloth)	U.K.	3,000 yds.	dozen yards	0 2 0	
2530	,, compressed (1-yd. packets) ..	,,	1 gross	dozen pkts.	0 2 6	Surgical Manufacturing Co. Ltd.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
	AMBULANCE MATERIAL—*continued.*					
2531	Glass, Medicine	U.K.	2 doz.	doz.	0 4 0	
2532	Ginger, Tincture of (bulk), B.P.	Vict.	15 lb.	lb.	0 7 0	
2533	Glycerine	„	5 „	do.	0 1 8	
2534	Iodine Crystals	U.K.	5 „	do.	1 3 6	
2535	Jaconette	„	12 yds.	yard	0 2 0	
	Jars, Screw-top—					
2536	1 lb., square	Vict.	6 gross	dozen	0 2 9	Felton, Grimwade & Co. Pty. Ltd.
2537	½ lb., square	„	6 „	do.	0 2 4	
2538	Mason, quarts	„	2 doz.	do.	0 7 0	
	Lint—					
2539	1-oz. packets, plain	U.K.	2 gross	dozen pkts.	0 2 2	
2540	1-lb. packets, plain	„	120 lb.	lb.	0 2 0	Warner and Webster
2541	1-lb. packets, borated	„	50 „	do.	0 1 6	Hicks, Atkinson & Sons Pty. Ltd.
2542	Lysol, in 1-lb bottles	Vict.	30 lb.	lb.	0 1 3	Felton, Grimwade & Co.
2543	Magnesia Sulphate	Germany	30 „	do.	0 0 1½	Pty. Ltd.
2544	Mugs, Enamelled, ½ pint, brand V.R. over AMB	..	10 doz.	dozen	..	Nil
2545	Merc. Pot. Iod. Tabs, 25 in bottle (gr. 1.75)	Vict.	2 „	bottle	0 0 7	Felton, Grimwade &
2546	Methylated Spirits (Pure)	N.S.W.	16 gals.	gallon	0 4 9	Co. Pty. Ltd.
2547	Needles, Surgeons', Assorted (6 in packet), No. 9, half curved	U.K.	1 gross pkt.	packet	0 0 9	Warner and Webster
2548	Oil, Olive (in 1-gallon tins)	France	10 lb.	lb.	0 1 6	
2549	„ Carbolic (bulk)	Vict.	25 „	do.	0 2 0	
2550	„ Castor, pure (bulk)	U.K.	5 „	do.	0 1 6	
2551	Ointment, Boric (1-lb. pots)	Vict.	10 „	do.	0 2 5	
2552	Ointment, Zinc (in 1-lb. pots)	„	5 lb.	do.	0 3 0	Felton, Grimwade & Co.
2553	Peroxide of Hydrogen (bulk), in 1-gal. bottles (See note re Bottles)	„	70 „	do.	0 0 5½	Pty. Ltd.
	Plaster—					
2554	1 in. x 1 yd., "Z.O.," "St. Dalmas Co." ..	U.K.	6 gross	dozen	0 2 9	
2555	1 in. x 10 yds.	Vict.	10 doz.	do.	0 12 0	Dunlop Perdriau Rub-
2556	2 in. x 10 yds.	„	5 „	do.	1 0 0	ber Co. Ltd.
2557	Potash, Permanganate (bulk)	Germany	5 lb.	lb.	0 0 9	Felton, Grimwade & Co. Pty. Ltd.
2558	Pins, Safety (12 on card)	U.K.	5 gross cards	dozen cards	0 0 9	Hicks, Atkinson & Sons Pty. Ltd.
2559	Sal Volatile (in bulk)	Vict.	40 lb.	lb.	0 5 6	Felton, Grimwade & Co. Pty. Ltd.
2560	Scalpels	U.K.	12 pairs	pair	0 2 0	Surgical Manufg. Co.
2561	Scissors, Surgeons', 5 in.	„	1 gross	dozen	1 1 0	Ltd.
2562	Soda, Bi. Carb.	„	20 lb.	lb.	0 0 2	Felton, Grimwade & Co. Pty. Ltd.
2563	Silk Cards, Assorted	„	1 gross	dozen	0 13 6	Warner and Webster
2564	„ Oil, 36 in. wide	„	5 yds.	yard	0 4 9	Felton, Grimwade & Co.
2565	Soap, Carbolic, bars, "Wormalds" ..	Vict.	15 lb.	lb.	0 1 4	Pty. Ltd.
2566	Snake-bite Antidote, Lauder Brunton's (metal tubes)	U.K.	10 doz. tubes	tube	0 0 10½	Warner and Webster
2567	Stalls, Finger	„	3 gross	gross	1 19 0	Felton, Grimwade & Co.
2568	Sulph. Soda	Vict.	20 lb.	lb.	0 0 2	Pty. Ltd.
	Stoppers (red rubber), Soft—					
2569	No. 2	„	3 gross	gross	0 5 6¾	
2570	No. 3	„	5 „	do.	0 6 1½	
2571	No. 4	„	10 „	do.	0 6 10½	Dunlop Perdriau Rub-
2572	No. 5	„	7 „	do.	0 7 1½	ber Co. Ltd.
2573	No. 6	„	5 „	do.	0 8 1½	
2574	Vaseline, 5-lb. tins	U.S.A.	50 lb.	lb.	0 1 9	Felton, Grimwade & Co. Pty. Ltd.
	Wool, Surgeons', plain—					
2575	1-oz. cartons	U.K.	3 gross	dozen	0 1 6	
2576	4-oz. „	„	1 „	do.	0 4 6	Hicks, Atkinson & Sons
2577	1-lb. „	„	600 lb.	lb.	0 1 2	Pty. Ltd.
2578	Cocaine, 1 per cent., in 1-oz. bottles ..	Vict.	10 bots.	bottle	0 1 6	
2579	„ Chloratome, in 1-oz. bottles ..	„	10 „	do.	0 1 6	Felton, Grimwade &
2580	Calamine Lotion	„	5 lb.	lb.	0 1 5	Co. Pty. Ltd.
2581	Ethyl Chloride, in tubes of 100 c.c. ..	N.S.W.	1 „	tube	0 11 6	
2582	Esserine Sulph., 5 per cent.	..	2 doz.	bottle	..	Nil

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate. £ s. d.	Name of Contractor.
	AMBULANCE MATERIAL—*continued*:					
2583	Homatropine and Cocaine, 2 per cent., Mur., in Aqua Chloratine, in 1-oz. bottles	..	24 bots.	bottle	..	Nil
2584	Pulv. Soda Pot. Tart.	U.K.	5 lb.	lb.	0 1 0	Felton, Grimwade & Pty. Ltd.
2585	Red Lotion, 5 per cent.	Vict.	5 ,,	do.	0 1 1	
2586	Tubes, Test, 5″ x ¾″	U.K.	2 gross	dozen	0 0 7½	Surgical Mfg. Co. Ltd.
2587	Ung. Hydrarg. B.P.	Vict.	10 lb.	lb.	0 5 0	Felton, Grimwade & Co. Pty. Ltd.
2588	Electric Bulb for Ophthalmascope ..	U.K.	2 doz.	each	0 5 6	Warner and Webster
2589 to 2599	Nil					

TELEGRAPH AND TELEPHONE MATERIAL.

(1·7.1929 TO 30.9.1930.)

SPECIFICATION FOR COPPER TAPES AND BINDERS.—*Items Nos.* 2675 *and* 2602.

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.

TABLE 1.

TAPES.—(*Item No.* 2675.)

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. 3	lb. 150	inch. 9	inch. ¼	inch. 0·026	25	53

TABLE 2.

BINDERS.—(*Item No.* 2602.)

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. 3 ..	inches. 20½	inches. 7	inch. 0·112	inch. 5/16	inch. 0·056	20	17

SPECIFICATION FOR COPPER JOINTING SLEEVES.—*Items Nos.* 2665 *and* 2666.

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 ⅛ 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.

TELEGRAPH AND TELEPHONE MATERIAL—*continued.*

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
Designation.	Diameter of Wire for which Sleeve is required.		Length of Sleeve.	Thickness of Metal.	Minimum Internal Dimensions.		No. of Twists.
	Minimum.	Maximum.			Major Axis.	Minor Axis.	
	inch.	inch.	inch.	inch.	inch.	inch.	
Sleeves, Copper—							
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

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.* 2608.

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:—

(*a*) 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.

(*b*) 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.

SPECIFICATION FOR CARTRIDGE FUSES, 250 VOLTS, 0–30 AMPERES.—*Items Nos.* 2628 *to* 2637.

Fuses shall be 2 inches long and $\frac{7}{16}$ 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 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.* 2642 *to* 2643B.

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.

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

TELEGRAPH AND TELEPHONE MATERIAL—*continued.*

SPECIFICATION FOR 13-VOLT AND 6-VOLT 2½-WATT SIGNAL LAMPS.—*Items Nos.* 2648 *and* 2649.

Bulb must not exceed the following dimensions :—

Base of lamp to tip of bulb—3⅛ inches.

Diameter of bulb—1¾ inches.

Centre of filament must be between 2¼ inches and 2 5/16 inches above base of lamp.

Edison medium screw base to be provided.

Burning life of lamps at rated voltage to be not less than 1,000 hours.

SPECIFICATION FOR No. 2 POROUS POTS.—*Item No.* 2661 to 2661B.

Carbon plate to be of the 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 1/16 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.

Alternative tenders will be considered for positive elements of the air depolarizing type and if satisfactory these may be accepted. They shall comply with above Specification in so far as it applies.

MOUTHPIECES.—*Item No.* 2651.

All mouthpieces must be of the metal thread type.

As regards Item No. 2608, a trial order is to be placed on the Widdis Diamond Cells Pty. Ltd. to determine whether the Cells of Australian manufacture are now satisfactory. The test is to be conducted as promptly as possible, and unless they are certified to be unsuitable to the satisfaction of the Comptroller of Stores orders are not to be placed on C. R. Foster.

As regards Items Nos. 2642 and 2643, three tenders have been accepted. A trial order is to be placed on J. Joseph for 1,000 and the Australian Glass Manufacturers Co. Ltd. for 2,000 of No. 1 Insulator under Item No. 2642 to determine whether they are suitable for requirements. Until the Chief Engineer of Signals and Telegraphs certifies that these are suitable, further orders are not to be placed with these two companies. The Insulators under Items Nos. 2642B and 2643B shall be threaded in accordance with Drawing A.405, and otherwise to sample.

As regards Item No. 2661, three tenders have been accepted. Porous Pots offered by the British General Elec. Co. Ltd. are expected to be the most suitable for requirements, but a trial order is to be placed with the three firms as early as possible in order that it may be determined, having regard to price and quality, which company is to receive orders for future business.

As regards Items Nos. 2602 and 2675, the rates are based on the price of Electrolytic Copper Wire Bars at £84 10s. per ton, and are to be varied up or down by one-tenth of a 1d. per lb. of copper for each complete 17s. 6d. or part thereof by which the price of Electrolytic Copper Wire Bars published in the *Argus* on the date of receipt of an order is greater than £85 2s. 5d. or less than £84 5s. per ton respectively.

Time for delivery—

Items Nos. 2602 and 2675	Five weeks.
British General Elec. Co. Ltd.	Eight weeks to meet initial orders.
Aust. General Elec. Co. Ltd.	Sufficient time to meet initial orders.
Edison Swan Elec. Co. Ltd.	Sufficient time to meet initial orders.
Items Nos. 2665 and 2666	Six weeks.

Items Nos. 2665 and 2666 will be delivered at the Metropolitan Receiving Depot, Spencer-street.

As regards Items Nos. 2628 to 2637, the Australian General Elec. Co. Ltd. will supply Fuses as specified at 10d. each, provided an order is issued for 1,000 for delivery within sixteen weeks and that no less than 100 of any size is included in the order.

The Storekeeper at the Signal and Telegraph Storehouse shall review the position, and, if good stock, the question of ordering for indent should be considered ; meanwhile orders can be placed under the alternative offer delivered ex stock at 1s. 3d.

	Bells, Extension, Magneto type, mounted—					
†2600	2,500 ohms	N.S.W.	25	each	1 6 0	C. R. Foster
†2601	1,000 ohms, K.8302	U.K.	12	do.	0 16 0	British General Electric Co. Ltd.
*2602	Binders, Copper, to Specification No. 3 ..	N.S.W.	50,000	lb.	0 1 8·3	British Insulated Cables Ltd.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate. £ s. d.	Name of Contractor.
	TELEGRAPH AND TELEPHONE MATERIAL—*continued.*					
†2603	Buzzers, Bell, 2½ x 2½, 10 ohms, Edwards, No. 725, Dixie	U.S.A.	15	each	0 2 5½	Australian General Electric Co. Ltd.
†2604	Calling Devices for Auto. Telephones ..	..	25	do.	..	Nil
*2605	Caps, Ebonite, for Auto. Coy's. Receivers, D.67103	U.S.A.	20	do.	0 1 2	Automatic Telephones Ltd.
*2606	Cases, Ebonite, for W.E. Receivers ..	„	80	do.	0 2 0	C. R. Foster
*2607	„ „ for Kellog Receivers ..	..	20	do.	..	Nil
†2608	Cells, Dry, to specification	Victoria	11,000	do.	0 1 6	Widdis Diamond Dry Cells Pty. Ltd.
†2608A	„ „ „ "Columbia" ..	U.S.A.		do.	0 1 6¾	C. R. Foster
*2609	„ Glass, Leclanche Batteries	..	500	do.	..	Nil
	Coils, Induction—					
†2610	Standard Magneto type	N.S.W.	12	do.	0 3 9	C. R. Foster
†2611	For Selector Telephones, Special, Ind. No. 42	„	12	do.	0 19 3	
†2612	Coils, Telephone, Repeating, balanced, small, 4 windings	„	24	do.	2 9 6	
*2613	Clips, Universal Insulated Test, ·25, No. 10, half red, half black	U.S.A.	100 pairs	dozen pairs	1 7 0	Australian General Electric Co. Ltd.
	Condensers—					
*2614	Self-sealing, ½ M.F., No. 36	U.K.	60	each	0 2 0	British Insulated Cables Ltd.
*2615	2 M.F., approx. 5" x 2" x ⅝"	„	120	do.	0 2 4	
*2616	·25 M.F.	„	60	do.	0 1 10	
	Cords—					
†2617	Transmitter, 3-way, Auto. D.541844-A ..	U.S.A.	30	do.	0 4 2	Automatic Telephones Ltd.
†2618	Receiver, 2-conductor, 30"	U.K.	40	do.	0 1 3	C. R. Foster
†2619	„ for Auto. Coy's. Table Telephones	U.S.A.	50	do.	0 2 0	Automatic Telephones Ltd.
†2620	Switchboard, 5' long, 3-conductor, to fit Kellog plugs	U.K.	50	do.	0 2 9	C. R. Foster
†2621	Switchboard, 4' 6" long, 2-conductor, Red	„	50	do.	0 2 7	
†2622	„ 4' 6" long, 2-conductor, White	„	50	do.	0 2 7	
†2623	Diaphragms for Receivers, 2⅛" diameter ..	N.S.W.	60	dozen	0 2 6	
*2624	Discs, Enamel, numeral 1 to 0, to fit Auto. Coy's. calling devices D.53146	U.S.A.	50	each	0 2 4	Automatic Telephones Ltd.
	Earpieces, Ebonite—					
*2625	For W.E. Receivers	„	50	do.	0 0 11	C. R. Foster
*2626	For Kellog Receivers	„	50	do.	0 2 0	Alfred Harvey Pty. Ltd.
2627	Fittings, G.E. 805, with Hangers, complete, including necessary alterations to meet requirements	„	120	do.	1 5 0	
	Fuses; Cartridge, 250 volts, Non-renewable, "G.E." (see note *re* rates)—					
*2628	½ amp., non-indicating	„	50	do.	0 1 3	Australian General Electric Co. Ltd.
*2628A	½ amp. „ „	„		do.	0 0 10	
*2629	3 amp., No. 34949, indicating ..	„	2,500	do.	0 1 3	
*2629A	3 amp., No. 34949, indicating ..	„		do.	0 0 10	
*2630	6 amp., No. 59380, indicating ..	„	700	do.	0 1 3	
*2630A	6 amp., No. 59380, indicating ..	„		do.	0 0 10	
*2631	8 amp., No. 34951, indicating ..	„	50	do.	0 1 3	
*2631A	8 amp., No. 34951, indicating ..	„		do.	0 0 10	
*2632	10 amp., No. 34952, indicating ..	„	50	do.	0 1 3	
*2632A	10 amp., No. 34952, indicating ..	„		do.	0 0 10	
*2633	12 amp., No. 34953, indicating ..	„	50	do.	0 1 3	
*2633A	12 amp., No. 34953, indicating ..	„		do.	0 0 10	
*2634	15 amp., No. 34954, indicating ..	„	50	do.	0 1 3	
*2634A	15 amp., No. 34954, indicating ..	„		do.	0 0 10	
*2635	20 amp., No. 34955, indicating ..	„	50	do.	0 1 3	
*2635A	20 amp., No. 34955, indicating ..	„		do.	0 0 10	
*2636	25 amp., No. 34956, indicating ..	„	50	do.	0 1 3	
*2636A	25 amp., No. 34956, indicating ..	„		do.	0 0 10	
*2637	30 amp., No. 34957, indicating ..	„	50	do.	0 1 3	
*2637A	30 amp., No. 34957, indicating ..	„		do.	0 0 10	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate. £ s. d.	Name of Contractor.
	TELEGRAPH AND TELEPHONE MATERIAL—*continued.*					
*2638	Handles, for Kellog Generators	..	6	each	..	Nil
*2639	,, W.E. Generators	U.S.A.	15	do.	0 1 6	C. R. Foster
	Hooks, Switch—					
*2640	For W.E. Telephones	,,	80	do.	0 5 6	C. R. Foster
2641	For Kellog Telephones	,,	12	do.	0 5 9	Alfred Harvey Pty. Ltd.
	Insulators, Porcelain, to Specification and Drawing A.405—					
2642	No. 1	Victoria	50,000	do.	0 1 1	Sunshine Porcelain Potteries Pty. Ltd.
2642A	No. 1	W.A.		do.	0 0 8·99	J. Joseph
†2642B	No. 1 Glass	N.S.W.		do.	0 0 9	Australian Glass Manufacturers Co. Ltd.
2643	No. 2	Victoria		do.	0 0 5	Sunshine Porcelain Potteries Pty. Ltd.
2643A	No. 2	W.A.		do.	0 0 3·99	J. Joseph
†2643B	No. 2 Glass	N.S.W.		do.	0 0 4½	Australian Glass Manufacturers Co. Ltd.
*2644	Insulators, Porcelain, Cleat, 2½″ x 1″ x 2-wire	Japan	500	do.	0 0 1	British General Electric Co. Ltd.
*2645	Insulators, Porcelain, Knob	..	600 pairs	pair	..	See Item No. 1231
*2646	Jacks, Telephone, Metallic Circuit	U.K.	50	each	0 1 5	C. R. Foster
†2647	Jacks, Operators', 4-point	Belgium	12	do.	0 3 0	C. R. Foster
†2648	Lamps, 6-volt, 2½-watt, to Specification	U.K.	3,000	do.	0 2 1¼	Edison Swan Elec. Co. Ltd.
†2649	Lamps, 13-volt, 2½-watt, to Specification	,,	150	do.	0 2 1¼	Edison Swan Elec. Co. Ltd.
†2650	,, for Hand Torches "Osram" ..	,,	1,000	100	0 12 6	British General Electric Co. Ltd.
	Mouthpieces—					
†2651	Metal Thread for Auto. Telephones, D.38165	U.S.A.	20	each	0 1 0	Automatic Telephones Ltd.
	Pins, Queensland, Galvanized, to Drawing No. F.1465—					
2652	Large, No. 3	Victoria	12,000	1,000	41 9 2	McPherson's Pty. Ltd.
2653	Small, No. 4	,,	2,500	do.	37 5 10	McPherson's Pty. Ltd.
†2654	Pins, Telegraph, Yellow Stringybark, to Drawing I.F.2459, amended	,,	32,000	do.	4 5 0	C. E. Kennett
	Pins, Insulator, Galvanized, with Pat. B. Lead Head—					
*2655	Straight, ½″	,,	300	each	0 0 4 7/16	G. F. Sewell Pty. Ltd.
*2656	,, ¾″	,,		do.	0 0 8	G. F. Sewell Pty. Ltd.
*2657	Goose Neck, ½″	,,	150	do.	0 0 4¾	British General Elec. Co. Ltd.
	Plugs—					
2658	3-conductor, "Kellog"	U.S.A.	50	do.	0 6 6	Alfred Harvey Pty. Ltd.
2659	2-conductor, "Kellog"	,,	50	do.	0 4 3	Alfred Harvey Pty. Ltd.
†2660	2-conductor, W.E.	U.K.	80	do.	0 2 3	C. R. Foster
†2661	Pots, Porous, Leclanche, to Specification ..	,,	4,000	do.	0 0 11¾	British General Elec. Co. Ltd.
†2661A	,, ,, ,, (No. 245, "A.D." Carbon)	,,		do.	0 1 6	McKenzie & Holland (Aust.) Pty. Ltd.
†2661B	,, ,, ,, to Specification ..	,,		do.	0 0 10 9/10	Noyes Bros. (Melb.) Pty. Ltd.
†2662	Receivers, Polarized Bell Type, K.7615 ..	,,	30	do.	0 8 6	British General Electric Co. Ltd.
†2663	,, Electro-magnetic Bell Type, K.7617	,,	12	do.	0 8 6	British General Electric Co. Ltd.
*2664	Rods, Stay, Galvanized, with modified eye, nut, and washer	Victoria	500	do.	0 2 6	Workshops Manager, Spotswood
*2664A	Rods, Stay, Galvanized, 5½″ diameter screw and ⅝″ rod with eye end, 5′ long, for special purposes	,,	100	do.	0 13 6	Herbert Del Cott Pty. Ltd.
	Sleeves, Jointing, Copper, to Specification—					
2665	No. 5 (long)	N.S.W.	6,000	1,000	5 12 6	Knox Schlapp & Co.
2666	No. 6 ,, ...	,,	6,000	do.	4 15 10	Knox Schlapp & Co.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate. £ s. d.	Name of Contractor.
	TELEGRAPH AND TELEPHONE MATERIAL—*continued.*					
	Steel, Silver, in 13-in. lengths—					
2667	$\frac{1}{16}$" ..	U.K.	12 bars	dozen	0 0 5	James Walker
2668	$\frac{1}{8}$"	„	15 „	do.	0 0 10	
2669	$\frac{3}{16}$"	„	40 „	do.	0 1 8	
†2670	$\frac{1}{4}$"	„	100 „	do.	0 2 10	
2671	$\frac{5}{16}$"	„	36 „	do.	0 4 10	
2672	$\frac{3}{8}$"	„	24 „	do.	0 6 11	
	Telephones—					
†2673	Table type Magneto	„	6	each	4 16 0	C. R. Foster
†2674	„ „ Automatic	..	25	do.	..	Nil
*2675	Tapes, Copper, to Specification, No. 3 ..	N.S.W.	50,000	lb.	0 1 7·3	British Insulated Cables Ltd.
†2676	Transmitters, solid back, for Magneto Wall Telephones	U.K.	12	each	0 10 9	C. R. Foster
2677 to 2682	Nil					

ENGRAVING PERIODICAL TICKETS.

(1.7.1929 to 30.9.1930.)

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 engraving will be delivered to the Contractor at the office of the Auditor of Receipts in the Flinders-street Railway Building, and when engraved, they shall be delivered by the Contractor to the Auditor of Receipts. In the event of any tickets being spoilt or damaged whilst in the possession of the Contractor the value as assessed by the Comptroller of Stores shall be reimbursed to the Corporation by the Contractor.

In addition to the deposit lodged as security for the due performance of the Contract, the successful Tenderer shall lodge a further deposit of £5 as security for the safe return of the Gold and Silver Tickets delivered to him for engraving.

2683	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, and any repairs that may be required)	Victoria	1,400	Engraving	0 1 9	Harold A. Jones
2684 to 2685	Nil.					

ACETYLENE, CARBONIC ACID GAS, AND OXYGEN.

(1.7.1929 to 30.9.1930.)

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.

The Acetylene shall contain not more than .05 per cent. Phosphine.

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 re-acetoning of cylinders as required. The bulk of the Acetylene under Items Nos. 2686 and 2687 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

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

ACETYLENE, CARBONIC ACID GAS, AND OXYGEN—*continued.*

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 Comptroller of Stores may select, shall, when tested, fulfil the foregoing requirements.

Samples of Oxygen taken from such cylinders comprised in each and every delivery, as the Comptroller of Stores may select, shall, when subjected to analysis, contain not less than 98 per centum of oxygen.

As regards Items Nos. 2686 to 2689A, provided satisfactory service is rendered, the business should be equally divided.

As regards Items Nos. 2691 and 2691A, provided satisfactory service is rendered, the business should be divided in the following proportion, viz. :—60 per cent. to the Australian Oxygen & Industrial Gases Pty. Ltd. and 40 per cent. to the Oxygen Service & Manufacturing Co. Pty. Ltd.

As regards cylinders of Australian Oxygen & Industrial Gases Pty. Ltd., if any cylinders be not returned within six months, and if claim be made, a deposit will be lodged by the Corporation, which shall be refunded by the Contractor on the return of such cylinders to the Contractor in good order and condition, and that in the event of any cylinders or cylinder valves being damaged whilst in the possession of the Corporation, the Corporation will bear the cost of any repairs or replacements of such damage provided the charge is reasonable.

As regards Item No. 2690, the Contractor shall have the right to test before refilling with Carbonic Acid Gas any cylinders the property of the Corporation that have not previously been tested for a period of two years, and the cost of such test at 3s. 6d. per cylinder will be borne by the Corporation.

	Acetylene, Compressed, purified—					
2686	In Departmental Cylinders	Victoria	50,000 lb.	lb.	0 2 2	Gardner, Waern & Co. Pty. Ltd.
2686A	In Departmental Cylinders	,,		do.	0 2 2	Allen-Liversidge (Aust.) Ltd.
2687	In Cylinders supplied by the Contractor ..	,,		do.	0 2 3	Gardner, Waern & Co. Pty. Ltd.
2687A	In Cylinders supplied by the Contractor ..	,,		do.	0 2 3	Allen-Liversidge (Aust. Ltd.
2688	Acetylene, in Cylinders of 100 c. ft. capacity, suitable for Departmental flares in use at Overhead Depots	,,	1,000 ,,	do.	0 2 3	Gardner, Waern & Co. Pty. Ltd.
2688A	Acetylene, in Cylinders of 100 c. ft. capacity, suitable for Departmental flares in use at Overhead Depots	,,		do.	0 2 3	Allen-Liversidge (Aust.) Ltd.
2689	Acetylene, in Cylinders of 50 c. ft. capacity, suitable for Departmental flares in use at Overhead Depots	,,	2,000 ,,	do.	0 2 3	Gardner, Waern & Co. Pty. Ltd.
2689A	Acetylene, in Cylinders of 50 c. ft. capacity, suitable for Departmental flares in use at Overhead Depots	,,		do.	0 2 3	Allen-Liversidge (Aust.) Ltd.
2690	Gas, Carbonic Acid, not less than 99 per cent. purity; in steel cylinders, containing 56 lb. of gas each	,,	20,000 ,,	do.	0 0 3½	Australian Oxygen & Indust. Gases Pty. Ltd.
2691	Oxygen, not less than 99 per cent. ..	,,	3,000,000 c. ft.	100 c. ft.	0 3 9	Australian Oxygen & Indust. Gases Pty. Ltd.
2691A	Oxygen, not less than 99 per cent. ...	,,		do.	0 4 0	Oxygen Service & Manfg. Co. Pty. Ltd.
2692 to 2694	Nil					

APPENDIX "E".

BENZOL.

SPECIFICATION N.4.—*Item* 1501.

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 maximum freezing point of Benzol at 3° C. equals 37·4° F.

Freezing Point of a mixture of Benzol and 20% C.O.R. at 4·8° C. equals 23·4° F.

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 "F."

VARNISHES.

CARRIAGE VARNISH.—SPECIFICATION D.1.—*Items Nos.* 1502 and 1503.

The Varnish shall conform to the Tentative Australian Standards Specification for No. 1 Hard Drying Carriage Varnish No. K.14/1927 T., and No. 2 Durable Body Varnish No. K.15/1927 T.

COPAL VARNISH.—SPECIFICATION D.2.—*Item No.* 1504.

The Varnish shall conform to the Tentative Australian Standards Specification for No. 2 Hard Copal Varnish No. K.14/1927 T.

OAK VARNISH.—SPECIFICATION D.3.—*Item No.* 1506.

The Varnish shall conform to the Tentative Australian Standards Specification for No. 3 Oak Varnish No. K.14/1927-T.

GOLD SIZE.—SPECIFICATION D.4.—*Item No.* 1507.

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.* 1508.

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.

APPENDIX "F"—*continued.*

JAPAN BLACK—*continued.*

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. (⅛ 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.

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.* 1509.

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 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 of the Australian Railways—Testing of Paint Materials."

PAPER VARNISH.—SPECIFICATION D.7.—*Item No.* 1510.

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 the 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. (⅛ inch) in diameter.

Working Properties.—Varnish must have good brushing, flowing, covering, and levelling properties.

APPENDIX "F"—*continued.*

PAPER VARNISH—*continued.*

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.* 1511.

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.

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.* 1512.

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.* 1513.

To consist of pure orange shellac and 64 O.P. methylated spirits.

FRENCH POLISH, WHITE.—*Item No.* 1514.

To consist of finest bleached shellac and 64 O.P. methylated spirits.

SPECIFICATION FOR BLACK AIRDRYING VARNISH.—*Item No.* 1515.

General Particulars.—The varnish will be used for general work during the manufacture and repair of electrical machines and for the treatment of coils on parts too large to be baked.

Quality.—It shall be of the highest 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 high penetrative power and yield a good body when applied with a brush or with a spray. The dried varnish should have a good mechanical strength and long life under unfavorable atmospheric conditions.

Drying Time and Flexibility.—A film of varnish on Japanese paper of 1 mil thickness shall set to touch in from three to six hours at a temperature of 20° C. When dry the film shall remain flexible and may be bent back on itself without cracking.

Dielectic Strength.—A film of varnish covering Japanese paper 1 mil 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 applied shall have a high resistance to the effects of water, oil, acids, and alkalies ; and shall contain no free acids.

APPENDIX "F."—*continued.*

SPECIFICATION FOR BLACK AIRDRYING VARNISH—*continued.*

The Tenderer shall supply the following information :—

Specific gravity
Recommended thinning medium
Percentage of thinning medium
Dielectric strength
Drying period at 20° C.
} shown in original Contract.

Size of Containers.—Delivery shall be made in either four (4) or one (1) gallon containers as required.

VARNISH, INSULATING, QUICK AIRDRYING CLEAR.—TO SPECIFICATION.—*Item No.* 1516.

General Particulars.—The varnish shall be suitable for the treatment of coils of oil immersed transformers and other electric apparatus which are not capable of being baked.

Quality.—It shall be of the highest quality and be manufactured from the best varnish gums and pure linseed oil together with suitable driers and thinners.

Properties and Tests.—It shall possess high penetrative power and yield a good body when applied with a brush or spray.

Drying Time and Flexibility.—A film of varnish on Japanese paper 1 mil in thickness shall set to touch in from four to eight hours at a temperature of 20° C. When dry the film shall remain flexible and may be bent back on itself without cracking.

Dielectric Strength.—A film of varnish covering Japanese paper 1 mil in thickness to a total 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 shall have a high resistance to the effects of water, oil, acids, and alkalies and shall contain no free acid. Its resistance to the effect of hot transformer oil shall be determined by the length of time required for a film of varnish on a treated coil immersed in transformer oil at a temperature of 115° to 120° C. to show signs of sludging and disintegrating.

INFORMATION TO BE SUPPLIED.

The Tenderer shall supply the following information :—

Specific gravity
Recommended thinning medium
Percentage of thinning medium
Dielectric strength
Drying time at 20° C.
} shown in original Contract.

Size of Container.—The delivery shall be made in one (1) gallon containers.

INSULATING STOVING BLACK.—TO SPECIFICATION (IN 4-GALLON TINS).—*Item No.* 1517.

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 oil or tung oil, incorporated with suitable driers and thinners.

Properties.—It shall possess penetrative power when applied with a brush or in conjunction with a vacuum impregnating 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.—A film of varnish on Japanese paper of 1 mil thickness shall set to the touch in from six to fifteen 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, oils, acid and alkalies, 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 degrees C.
} shown in original Contract.

Size of Containers.—Delivery shall be made in four (4) gallon containers.

Samples.—The Tenderer shall submit a sample of not less than ½ gallon of the varnish which he proposes to supply.

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.

APPENDIX "G."

DRYSALTERIES, CHEMICALS, ETC.

SPECIFICATION OF ACID, SULPHURIC, FOR STORAGE BATTERIES.—

Items Nos. 1580 *to* 1587.

Specification for Sulphuric Acid—

Spec. grav. 1·100–1·300 at 15° C. as arranged required to conform to this Specification.
Chlorine not more than ·002 per cent. on H_2SO_4.
Iron not more than ·010 per cent. on H_2SO_4.
Total nitrogen, as nitric acid or ammonia, not more than ·010 per cent. on H_2SO_4.
Metals precipitated by H_2S except lead not more than ·010 per cent. on H_2SO_4.
Metals precipitated by NH_4HS not more than ·010 per cent. on H_2SO_4.

SPECIFICATION FOR CALCIUM CARBIDE.—*Items Nos.* 1600 *to* 1602.

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 avoir.) of the carbide, on the application of excess water thereto, shall yield not less than 250 litres (8·825 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 0·05% by volume thereof.

The Carbide supplied under Item 1600 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 1601 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. 1602 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 MURIATE OF AMMONIA.—*Items Nos.* 1611 *and* 1612.

GENERAL DESCRIPTION.—The material required under Item 1611 is Crystallized Ammonium Chloride (commonly termed Sal-Ammoniac or Muriate of Ammonia) containing not less than 99% NH_4Cl; and that required under Item 1612 is tabloid Ammonium Chloride, NH_4Cl of the same purity.

STANDARD OF PURITY.—The material shall conform with the following requirements :—

(*a*) The crystals and tabloids respectively shall be clean and free from odour.

(*b*) 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.

(*c*) The ash remaining after volatilization, by heating in a platinum dish 3 grammes of the material, should not amount to more than 0·75%.

(*d*) 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.

(*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 broached 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.

SAMPLES.—Samples shall be taken from each delivery of the items enumerated, and these samples when tested in the laboratory shall conform to the specification (if any) and the specific gravities (if any) set out in the Schedule.

The specific gravity at 60° F. of the acids shall be as shown hereunder :—

Item No.	Acid.	Specific Gravity at 60 deg. F.
1565	Hydrochloric	Not less than 1·725
1566–1569	Muriatic	Not less than 1·166
1570–1573	Nitric	Not less than 1·400
1574	Nitric C.P.	Not less than 1·400
1576–1579	Sulphuric	Not less than 1·820
1580–1583	Sulphuric for batteries	From 1·100 to 1·215
1584–1587	Sulphuric for batteries	From 1·216 to 1·300
1588	Sulphuric C.P.	Not less than 1·840

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