

[2089]



VICTORIA  
GOVERNMENT GAZETTE.

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No. 159]

THURSDAY, SEPTEMBER 15.

[1932

No.	Number of Tenders.	Particulars of Contract.	Country of Manufacture or Production.	Amount.	Name of Contractor.
119	..	Railway Stores Suspense Account, Act 3759, Section 105— Supply and delivery of Stores, as ordered, from 1st July 1932, to 30th June, 1933.	As per annex ..	Rates as per annex	As per annex

Melbourne, 9th September, 1932.

Schedule of Rates Contracts

FOR THE

SUPPLY OF STORES

TO THE

VICTORIAN RAILWAYS,

Period 1.7.1932 to 30.6.1933.

E. O. EYERS,

By order of The Victorian Railways Commissioners.

## SUPPLY AND DELIVERY OF STORES.

As ordered, from 1.7.1932 to 30.6.1933.

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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 a State of Australia are to be wholly or partly manufactured in such State.

No subletting will be allowed.

All rates are exclusive of Sales Tax.

SHIP CHANDLERY, TAR, ETC.

(See Appendix "A" for Specification.)

Fifteen per centum will be deducted from the gross weight of the Rosin supplied under Item 2810, as an allowance for packages.

Item No. 2801.—*Containers*.—The material shall be packed in suitable containers capable of transporting the material without loss or inconvenience in handling as follows:—

	Gross.	Tare.	Net.
Iron drums .. .. .	396 lb.	30 lb.	366 lb.
Wooden barrels .. .. .	376 "	21 "	355 lb.

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

*Delivery*.—Delivery to be given at the Metropolitan Receiving Depot, Melbourne, properly loaded into railway trucks at Newport or Melbourne, or at any point within 10 miles radius of G.P.O., Melbourne.

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

As regards Items Nos. 2811 to 2814 payment will be made on the following basis, providing receptacles are full:—

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

As regards Items Nos. 2813 and 2814, the rate includes spraying if desired, or if straight out delivery required, can be pumped from Contractor's wagons into departmental containers or Contractor's tar carts used.

Specific gravity of tar, 11.4 lb. per gallon.

\* Plus ruling rates of T.T. Exchange on date of delivery on 80 per cent.

\*\* The rate to be paid shall be the company's lowest wholesale market price ruling on the date of delivery, which on 1st July, 1932, was £9 per ton, including exchange.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
†2801	Bitumen (Asphaltic Cement) .. .. .	Mexico	60 tons	ton	**9	0	0	Shell Coy. of Aust. Ltd.
†2802	Bunting, 18", red or green, as ordered ..	U.K.	1,000 l. yd.	l. yd.	*0	0	9½	Evan Evans Pty. Ltd.
	Chalk—							
†2803	Blue .. .. .	..	40 lb.	lb.	..	..	..	} Nil
†2804	Red .. .. .	..	40 "	do.	..	..	..	
†2805	White, Lump .. .. .	Vict.	20 cwt.	cwt.	0	7	6	Paul and Gray Ltd. (in liq.)
†2806	French, Powdered .. .. .	..	84 lb.	lb.	..	..	..	Nil
†2807	Eyelets and Washers, Brass, 1½" .. .. .	Vict.	150 gross	gross	0	5	10	Eyelets Pty. Ltd.
						less 5%		
*2808	Felt, Tarred, 32" x 40" .. .. .	U.K.	100 sheets	sheet	*0	0	9½	} Paul and Gray Ltd. (in liq.)
†2809	Palms, Sewing or Roping, as ordered .. .. .	..	5	each	*0	3	0	
2810	Rosin, Common .. .. .	..	12 cwt.	cwt.	..	..	..	Nil
2811	Tar, Distilled, in steel drums supplied by the Corporation at Metropolitan Receiving Depot—and delivered at Spencer-street	Vict.		gal.	0	0	6½	} Jas. Forbes (Tar Distillers) Pty. Ltd.
2811A	" " in steel drums supplied by the Corporation to the Contractor's works, Port Melbourne, in lots of 14 or multiples, delivered Spencer-street	"	5,000 gals.	do.	0	0	6	
2811B	" " in steel drums supplied by the Corporation to the Contractor's works, Port Melbourne, in lots of other than multiples of 14, delivered Spencer-street	"		do.	0	0	6¼	
2812	" " in Departmental tanks in Contractor's yard	"	5,000 "	do.	0	0	6	
2813	" " in fire carts on the site of works along St. Kilda-Brighton Electric Street Railway track	"	12,000 "	do.	0	0	6½	
814	" " in fire carts on the site of works along the Sandringham-Black Rock Electric Street Railway track	"	5,000 "	do.	0	0	6¾	
2815	" Stockholm, in 4-gallon tins .. .. .	..	32 "	do.	..	..	..	} Nil
2816	Thimbles, Iron, Black, to take 2½" wire rope—size to be branded on thimble	..	70	each	..	..	..	
2817 to 2825	} Nil							

## COLOURS, PIGMENTS, AND DYES.

(See Appendix "B" for Specification.)

The Brown Oxide, Item 2847, will be accepted subject to inspection after delivery at Newport, loaded into railway trucks at Ballarat Railway Station.

## CONTAINERS.

For those items where material is delivered in Metal Containers, such containers shall be sound and to the satisfaction of the Comptroller of Stores.

The rates for Items Nos. 2826, 2829, 2830, 2849, 2863, and 2865 are firm as regards Exchange.

\* Plus ruling rate of T.T. Exchange current at date of delivery on 80 per cent.

Items 2868 to 2872 are firm respecting conversion between Great Britain and Germany.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
†2826	Black Drop, dry, in 1-cwt. kegs or casks ..	U.K.	560 lb.	lb.	0	0	5	E. L. Yencken & Co. Pty Ltd.
†2827	„ Vegetable, in 1-lb. packets "Mirror"	Vict.	10 cwt.	do.	0	0	9	} S. Smith & Co. Pty. Ltd.
†2828	Blue, Prussian, in oil, in 1-lb. tins "Mirror"	„	20 lb.	do.	0	2	0	
†2829	„ Ultramarine, dry, in 7 or 28 lb. pkgs.	U.K.	112 „	do.	0	0	8½	E. L. Yencken & Co. Pty. Ltd.
†2830	Brown, Bismarck, dry, in 7 or 28 lb. pkgs. "Mirror"	„	56 „	do.	0	3	0	S. Smith & Co. Pty. Ltd.
†2831	„ Purple, dry, in 7 lb. parcels ..	„	7 „	do.	0	0	3¼	H. J. Corder Pty. Ltd.
†2832	„ Spanish, dry, in 7 lb. parcels ..	„	7 „	do.	..	..	..	Nil
2833 to 2835	Nil							
†2836	Carmilion, in 7 or 28 lb. parcels ..	„	84 „	do.	..	..	..	Nil
†2837	Chrome, Dry Yellow, any shades ordered, Specification B.10, in 7 or 14 lb. pkgs. "Coloro Co."	Vict.	14 „	do.	0	0	10	Briscoe & Co. Ltd.
†2838	„ in oil, Yellow, any shades ordered, Specification B.10, in 7-lb. tins "United"	S. Aust.	672 „	do.	0	0	9½	Brooks, Robinson Pty. Ltd.
†2839	Green, Bronze, or Quaker, dry, any shades, in 14 lb. pkgs.	Vict.	14 „	do.	0	0	5	C. Atkins & Son Pty. Ltd.
†2840	„ Brunswick, dry, any shades ordered, in 14-lb. and 28-lb. packages, as ordered, Specification B.11, "Coloro Co."	„	6 cwt.	cwt.	1	13	0	Briscoe & Co. Ltd.
†2841	Lead, Red, dry, Specification B.5, in 1-cwt. iron drums	„	100 „	do.	2	1	6	} Blyth Chemicals Ltd.
†2842	„ „ „ „ in 5-cwt. wooden casks	„	125 „	do.	2	1	6	
†2843	„ White (Basic Carbonate) dry, genuine, Specification B.1, in 1-cwt. kegs,	„	15 „	do.	..	..	..	Nil
†2844	Ochre, Dry, any shades ordered, excluding Yellow, Specification B.9, in 14 or 28-lb. pkgs. "Mirror"	Vict.	3 „	do.	1	0	0	S. Smith & Co. Pty. Ltd.
†2845	„ Dry, Yellow, Specification B.9, in 1-cwt. bags	N.S.W.	80 „	do.	0	9	0	Norman Macleod & Co. Pty. Ltd.
†2846	Oxide, Red, in oil, Specification B.8, in 56-lb. drums "Mirror"	Vict.	100 „	do.	1	6	0	S. Smith & Co. Pty. Ltd.
†2847	„ of Iron, Brown, dry, Specification B.8 Ground delivered f.o.r. Ballarat	„	50 tons	ton	3	18	6	Primary Producers Chemicals Ltd.
2848	Nil.							
†2849	Red, Indian, dry, Specification B.6, in 28-lb. pkgs. "Mirror"	U.K.	2 cwt.	cwt.	1	15	6	S. Smith & Co. Pty. Ltd.
†2850	„ Mail, dry, in 14 and 28 lb. pkgs. "Goodlass Wall"	Vict.	336 lb.	lb.	0	1	0	E. L. Yencken & Co. Pty. Ltd.
†2851	„ Venetian, dry, Specification B.7, in 7 and 14 lb. pkgs.	„	} 1 cwt.	cwt.	1	5	0	} C. Atkins & Son Pty Ltd.
†2852	„ „ in oil, Specification B.7, in 28-lb. kegs	„			do.	1	10	
†2853	Sienna, Burnt— Dry, Specification B.12, in 7-lb. pkgs. "Mirror"	„	336 lb.	lb.	0	0	3	S. Smith & Co. Pty. Ltd.
†2854	In oil, in 1-cwt. packages, Specification B.12	N.S.W.	} 17 cwt.	cwt.	3	3	0	} Wm. Docker
†2855	„ in 14-lb. and 28-lb. packages, as ordered, Specification B.12	„			do.	3	8	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
<b>COLOURS, PIGMENTS, AND DYES—continued.</b>						
†2856	In pulp, Specification B.12, in 28-lb. pkgs. "Goodlass Wall"	Vict.	56 lb.	lb.	0 0 4	E. L. Yencken & Co. Pty. Ltd.
†2857	Sienna, Raw— In oil, in 1-cwt. packages, Specification B.12. "Mirror"	"	50 cwt.	cwt.	2 2 0	} S. Smith & Co. Pty. Ltd.
†2858	" in 14-lb. and 28-lb. packages, as ordered, Specification B.12. "Mirror"	"		do.	2 5 0	
†2859	In pulp, Specification B.12, in 28-lb. pkgs. "Goodlass Wall"	"	168 lb.	lb.	0 0 4½	E. L. Yencken & Co. Pty. Ltd.
†2860	Umber, Burnt— Nil					
†2861	In oil, in 1-cwt. packages, Specification B.12	N.S.W.	30 cwt.	cwt.	2 10 6	} Norman Macleod & Co. Pty. Ltd.
†2862	" in 14-lb. and 28-lb. packages, as ordered, Specification B.12	"		do.	2 13 6	
†2863	Vermilion, Pure, deep, in 1 and 7 lb. tins ..	"	140 lb.	lb.	0 9 6	George Russell Ltd.
†2864	Whiting (Calcium Carbonate), Specification C.1, in approx. 3-cwt. casks Marked D/C	Vict.	120 cwt.	cwt.	0 7 6	S. N. Rodda Pty. Ltd.
†2865	Zinc, Sulphate .. .. .	U.K.	28 lb.	lb.	0 0 3	E. L. Yencken & Co. Pty. Ltd.
†2866	" Oxide (Zinc White), in Oil, Specification B.2, in 1-cwt. kegs or drums	Vict.	1 cwt.	cwt.	2 8 0	C. Atkins & Son Pty. Ltd.
<b>DYES.</b>						
†2867	Dye, Aniline, fast red, in 1-cwt. kegs Dye, B.A. and S.F., or any suitable alternative, in 10-lb. containers—	..	560 lb.	lb.	..	Nil
†2868	Black .. .. .	Germany	600 "	do.	*0 5 6	} Henry H. York & Co. Pty. Ltd.
†2869	Blue .. .. .	"	200 "	do.	*0 5 6	
†2870	Blue-greenish .. .. .	"	50 "	do.	*0 5 6	
†2871	White .. .. .	"	30 "	do.	*0 5 6	
†2872	Yellow .. .. .	"	300 "	do.	*0 5 6	
†2873 to 2880	Nil					

**PAINT, ENAMEL, BOILER COMPOUND, ETC.**

The Black Bituminous Paint, Item 2892, will be used for impregnating stranded wire and painting fittings on the overhead equipment on the Melbourne and Suburban Electric Railways, and shall be of the highest quality.

The Anti-corrosive Grey Paint, Item No. 2894, will be used for painting steel structures of the overhead equipment of the Melbourne and Suburban Electric Railways, and shall be of the highest quality. Any purchase of Anti-corrosive Paint for purposes other than for painting steel structures of the overhead equipment of the Melbourne and Suburban Electric Railways shall *not* be regarded as an infringement of this contract.

The Anti-corrosive Compound, Item No. 2899, shall be similar to "Apexior" Compound and shall prevent corrosion taking place, and shall withstand the various degrees of heat it will be subjected to when applied to the inside of steam boilers for a period guaranteed by the Tenderer at end of Schedule.

The Titanium Zinc Paint mixture supplied under Item No. 2889 shall be of the best quality for the purpose, ground in oil suitable for the manufacturing of paint for use in spray painting machines, and shall be supplied in suitable metal containers with the net weight marked on each.

For those items where material is delivered in Metal Containers, such containers shall be sound and to the satisfaction of the Comptroller of Stores.

Paint, Acid Resisting, for Urinals—						
†2881	Black, in 4-gal. tins .. .. .	N.S.W.	50 gals.	gal.	0 4 10	} Taubmans Pty. Ltd.
†2882	Red, in 4-gal. tins .. .. .	"	50 "	do.	0 9 3	
†2883	Paint, Car Cement, in cases of 2 x 4-gal. tins	"	1,500 "	do.	0 7 0	
Paint, Distemper, Washable—						
†2884	White, "Seagull" .. .. .	Vict.	112 lb.	lb.	0 0 3½	} Selm Mineral Products Co.
†2885	Buff, "Seagull" .. .. .	"	112 "	do.	0 0 4	
†2886	Paint, Enamel, any tints ordered, in ¼ gallon tins (partly)	"	150 gals.	gal.	0 16 0	Permalac Paint & Varnish Products
†2887	" " Stoving, White, in ½ gallon tins, "Goodlass Wall"	"	1 "	do.	0 16 0	E. L. Yencken & Co. Pty. Ltd.
†2888	" " " Black, in ½ gallon tins, "United"	S. Aust.	1 "	do.	0 10 6	Brooks, Robinson Pty. Ltd.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
PAINT, ENAMEL, BOILER COMPOUND, ETC.— <i>continued.</i>								
†2889	Paint, Titanium Zinc Mixture .. .. .	N.S.W.	100 cwt.	cwt.	2	12	6	Taubmans Pty. Ltd.
†2890	„ Enamel, Black, Finishing, suitable for use on locomotives, in 1-gallon tins, "Mirror"	Vict.	400 gals.	gal.	0	9	6	} S. Smith & Co. Pty. Ltd.
†2891	„ Under coating, for Item No. 2890, "Mirror"	„	200 „	do.	0	10	0	
†2892	„ Black, Bituminous, Enamel, in 4-gallon tins as specified	N.S.W.	200 „	do.	0	7	9	Taubmans Pty. Ltd.
†2893	„ Black, Bituminous, for coating insides of galv. corr. wrought iron tanks, and similar metal containers, "United," in 4 gallon tins	S. Aust.	156 „	do.	0	4	0	Brooks, Robinson Pty. Ltd.
†2894	„ Grey, Anti-corrosive, in 4, gallon tins, C.171	N.S.W.	200 „	do.	0	10	9	} Taubmans Pty. Ltd.
†2895	Thinners, Summer, for use with Item No. 2894	„	100 „	do.	0	6	3	
†2896	„ Winter, for use with Item No. 2894	„	72 „	do.	0	6	6	} S. Smith & Co. Pty. Ltd.
†2897	Paint, Cold Water, "Mirror" .. .. .	Vict.	80 cwt.	cwt.	1	5	0	
†2898	Paint, in lieu of "Bon Accord" .. .. .	Vict. (partly)	3 gals.	gal.	1	1	0	Permalac Paint & Varnish Products
†2899	Compound, Anti-corrosive, in 1 gallon tins, "Apexior" or suitable alternative	„	60 „	do.	..	..	..	Nil
†2900	Compound, Anti-corrosive, for coating structural steel work, "Atlas," "Ruskilla," in 5-gallon departmental drums, to be picked up by Contractor at the Spotswood General Storehouse	Vict.	150 „	do.	0	4	6	Hobson's Bay Dock & Engineering Co. Pty. Ltd.

## ROOFING FELT, ETC.

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

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

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

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

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

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

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

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

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

The Bituminous Paint for use on Roofing Felt shall consist of Bitumen thinned with mineral turpentine.

The Bitumen shall have a melting point of not less than 200 degs. Fahrenheit and shall contain not more than 2 per cent. of mineral matter.

The rate for item 2903 is firm as regards T.T. Exchange.

†2902	Roofing, Felt, bituminous sheeting, 3-ply, 36" wide, in rolls of 72', with tacks and cement for fixing, "Ormonoid"	N.S.W.	100 rolls	roll	1	15	10	J. Danks & Son Pty. Ltd.
†2903	Bitumen Roofing Felt (asphalt saturated Felt), 1 ply, 36" wide, in rolls of 144'	U.K.	30 „	do.	0	16	6	E. L. Yencken & Co. Pty. Ltd.
†2904	Pitch, roofing, in barrels .. .. .	„	10 cwt.	cwt.	..	..	..	Nil
†2905	Plastic Cement, in 12-lb. containers, black, "Duraseal"	N.S.W.	60 lb.	tin	0	8	4½	J. Danks & Son Pty. Ltd.

LIME AND LIMESTONE, ETC.

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

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
†2906	Lime, "Kawa," for general building purposes, in bags 39" x 20", in trucks at Kawarren	Vict.	500 bags	bag	0	3	0	Alkemade Bros.
†2906A	" " "Snowflake," for plaster work, in bags 36" x 23", in trucks at Platina	"		do.	0	4	0	Evans Bros. Pty. Ltd.
†2907	" " for Pintsch Gas purification, "Kawa," in bags 39" x 20", in trucks at Spencer-street	"	250 "	do.	0	4	0	Alkemade Bros.
†2908	Limestone, Marble, pure, in trucks at Lilydale	"	100 tons	ton	0	14	0	David Mitchell Estate
2909 to 2912	Nil							

FOUNDRY MATERIAL.

†2913	Blacking, Moulders' .. .. .	Vict.	50 cwt.	cwt.	0	7	6	Proud Bros. Pty. Ltd.
†2914	Crucibles— "Smith's No. 70 Super" or suitable alternative	..	50	each	..			Nil
†2915	Crucibles, T.P. 191—Drawing No. 2639/15 (for "Morgan's" Tilting-Furnace)	..	6	do.	..			
†2916	Pedestals for Crucibles (Item No. 2915)	..	1	do.	..			Proud Bros. Pty. Ltd.
†2917	Facing, white .. .. .	Vict.	150 cwt.	cwt.	0	7	6	
†2918	Furnace Lining, "Silacene," or suitable alternative	..	20 "	do.	..			Nil
†2919	Graphite, Pure Flake, in 5-lb. tins, "Foundry Supplies Co."	Vict.	600 lb.	tin	0	2	1	Wm. Shaw
2920	" " Pipe Joint Compound, 3 H brand, in 1-lb. tins	Vict. (partly)	200 "	lb.	0	1	3	H. Hill Harris Pty. Ltd.
†2921	Plumbago, Fine .. .. .	Vict.	80 cwt.	cwt.	0	18	0	Proud Bros. Pty. Ltd.
2922	"Smooth On" Yellow Label, No. 4, in 5-lb. tins, or any suitable alternative	..	130 lb.	lb.	..			
†2923	Wire Wax— No. 3, 1/8" .. .. .	..	100 lb.	do.	..			Nil
†2924	No. 4, 1/8" .. .. .	..			do.	..		
†2925	No. 6, 1/4" .. .. .	..			do.	..		
†2926	No. 8, 1/2" .. .. .	..			do.	..		
2927 to 2936	Nil							

PLATERS' MATERIAL.

As regards Items Nos. 2937 to 2941, the Anodes shall consist of 99 per cent. nickel, and shall be free from Copper and Zinc.

\*As regards Items 2960 and 2961 the rates are plus T.T. Exchange ruling on date of delivery on 80 per cent.

2937	Anodes, Cast Nickel, 99 per cent.— 18" .. .. .	..	70 lb.	lb.	..			
2938	24" .. .. .	..	40 "	do.	..			
2939	Anodes, Rolled Nickel, 99 per cent.— 18" .. .. .	..	40 "	do.	..			
2940	20" .. .. .	..	18 "	do.	..			
2941	24" .. .. .	..	40 "	do.	..			
*2942	Brushes, Scratch, 553p .. .. .	..	15	each	..			
*2943	" " Steel Wire Circular, S.318 .. .. .	..	2	do.	..			Nil
*2943A	Brushes, Scouring Bristle .. .. .	..	80	do.	..			
†2944	Compo, White, in tins of approx. 30 oz. .. .. .	..	100 tins	tin	..			
†2945	Crocus, Compo, No. 2 .. .. .	..	30 lb.	lb.	..			
*2946	Felt Bobs, 1 1/2" thick, 6" diameter .. .. .	..	1 "	do.	..			
*2947	" " 1 1/2" thick, 9" diameter .. .. .	..	1 "	do.	..			
†2948	Lacquer, Colourless, Celluloid, in 1-quart sealed tins .. .. .	..	2 tins	tin	..			
†2949	" " Thinner, in 1-gallon sealed tins .. .. .	..	2 "	do.	..			

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
<b>PLATERS' MATERIAL—continued.</b>						
†2950	Lacquer, Clear, Cellulose, in 1-quart sealed tins	..	2 tins	tin	..	} Nil
†2951	„ Clear, Cellulose, Thinner, in 1-quart sealed tins	..	2 „	do.	..	
†2952	Mops, Calico, Grey, 9" x 50B	Vict. (partly)	52	each	0 4 3	} A. L. Campbell & Co. Pty. Ltd.
†2953	„ „ White, 12" x 105H, with leather binding washers	„	20	do.	0 9 2	
†2954	„ „ „ 9" x 100H, with leather binding washers	..	2	do.	..	} Nil (Items 2952 or 2953 to be used)
2955	Potassium, Cyanide, 100 per cent., in 1-cwt. cases	..	112 lb.	lb.	..	
†2956	Rouge, Compo, AZ	..	9 „	do.	..	} Nil
†2957	Salts, Nickel, best, double	..	80 „	do.	..	
†2958	„ Nickel, best, single	..	40 „	do.	..	
*2959	Swabs, Potash	..	3	each	..	} Boyes Bros.
†2960	Tape, Emery, 1", in pieces of 36 yards each, Goldsworthy's "Britannia"	U.K.	30 doz. yds.	doz. yds.	*0 5 6	
†2961	„ „ 1½", in pieces of 36 yards each, Goldsworthy's "Britannia"	„	3 doz. yds.	do.	*0 7 6	
†2962	Tripoli, Compo, Lustre	Vict. (partly)	600 lb.	lb.	0 0 5	A. L. Campbell & Co. Pty. Ltd.
2963 to 2976	Nil.					

**DRAPERY, ETC., No. 2.**

As regards Items Nos. 2985 to 2987, the Sponge Cloths shall be whipped and folded and tied in bundles of 72's. They shall be of the following sizes and approximate weights:—

Item No. 2985—22 inches x 18 inches	..	..	14 lb. per gross
Item No. 2986—24 inches x 24 inches	..	..	17½ "
Item No. 2987—28 inches x 28 inches	..	..	25 "

The rates for items 2985-2987 are based on the Commonwealth Government's announcement of its intention to withdraw the bounty on cotton yarn as from 1st July, 1932. In the event of this not becoming operative, the rates shall be subject to review by the Comptrollers of Stores, or, alternatively, the Contract may be cancelled.

As regards Items 2993 and 2994 orders are to be placed for the Australian made material unless the Chief Mechanical Engineer certifies that it is unsatisfactory—four weeks to be allowed for delivery. Minimum quantity to be ordered 50 yards.

As regards Item No. 3031 the Webbing to be supplied is said to be suitable for ordinary requirements only. If the purchase of special Webbing be necessary, such purchase shall not be an infringement of the Contract.

\* Plus ruling rate of T.T. Exchange on date of delivery on 80 per cent.

As regards Items 2997, 2998, 3002, 3007, the rates are firm as regards T.T. Exchange and Conversion.

†2977	Blanketing, Dark Grey, in rolls	..	1,000 lb.	lb.	..	Nil
*2978	Buttons, Metal, black, large	Vict.	200 gross	gross	0 4 0	} Stokes & Sons Pty. Ltd.
†2979	Buttons, Steel, Clinch, black, 1¼", without washers	„	100 „	do.	0 4 0	
†2980	Nil					
†2981	Calico, Unbleached, 72" wide	U.K.	120 l. yds.	l. yd.	*0 1 2½	The Gair Manufacturing Co. Pty. Ltd.
†2982	Calico, Signwriters', 36" wide	..	750 „	do.	..	Nil
†2983	Calico, White, 36" wide	U.K.	1,200 „	do.	*0 0 5½	The Gair Manufacturing Co. Pty. Ltd.
2984	„ „ 72" wide	..	80 „	do.	..	Nil
†2985	Cloths, Sponge, 22" x 18"	Vict. (partly)	500 gross	gross	1 4 2	Frank Wells Pty. Ltd.
†2986	Cloths, Sponge, 24" x 24"	N.S.W.	50 „	do.	†1 11 0	} Manchester Dyeing and Bleaching Co.
†2987	Cloths, Sponge, 28" x 28"	„	300 „	do.	†2 2 6	
†2988	Cord, Blind, White, "Downs"—2 lb.	Vict.	6 dozen yards	gross yards	0 7 2	} Briscoe & Co. Ltd.
†2989	2½ lb.	„	40 „	do.	0 8 2	
†2990	3 lb.	„	50 „	do.	0 8 8	

† Less 3¼ per cent.—7 days. Less 2¼ per cent.—30 days.



Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
DRAPERY, ETC., No. 2— <i>continued.</i>						
*2991	Cord for Holland Blinds, Green .. ..	Vict.	100 yards	dozen yards	0 0 8½	Evan Evans Pty. Ltd.
†2992	Cotton, in reels of 300 yards, white or black, any Nos. ordered	..	18 dozen	dozen	..	Nil
	Duck, Japanned, 1st quality, in pieces of 12 yards—					
†2993	Claret, 50" wide, "G.P." Fabrex ..	Vict.	} 1,000 l. yds.	l. yd.	0 6 6	Leathercloth Pty. Ltd.
†2993A	Claret, 50" wide, "Crocketts" ..	U.K.		do.	*0 7 4	Effee Electrical Co. Pty. Ltd.
†2994	Green, 50" wide, "G.P." Fabrex ..	Vict.	} 2,000 "	do.	0 6 6	Leathercloth Pty. Ltd.
†2994A	Green, 50" wide, "Crocketts" ..	U.K.		do.	*0 7 3	Effee Electrical Co. Pty. Ltd.
†2995	Black, 50" wide, "G.P." Fabrex ..	Vict.	240 "	do.	0 6 6	Leathercloth Pty. Ltd.
†2996	Nil .. .. .	..	25 "	do.	..	Nil
	Elastic, White, Cotton—					
†2997	¾" .. .. .	U.K.	100 yards	dozen yards	0 2 6	} Myer Emporium Ltd.
†2998	¾" .. .. .	"	24 "	do.	0 5 0	
	Felt in sheets—					
†2999	½" thick .. .. .	N.S.W.	50 lb.	lb.	0 6 0	} Felt & Textiles of Australia Ltd.
†3000	½" thick .. .. .	"	50 "	do.	0 6 0	
†3001	½" thick .. .. .	"	50 "	do.	0 6 0	
†3002	Flannelette, 27", for floor cloths, P.F. 502 ..	U.K.	1,500 l. yds.	l. yd.	0 0 5½	Myer Emporium Ltd.
†3003	Nil .. .. .	..	..	..	..	..
†3004	Muslin, Butter, 36", for triple valves ..	..	1,800 "	do.	..	Nil
†3005	Silk, Sewing Machine, in 1-oz. reels, any Nos. and colours ordered	..	2 lb.	lb.	..	Nil
†3006	Skins, Chamois .. .. .	..	200	each	..	..
†3007	Sponge, Large, Carriage, perfectly dry, free from sand and all impurities, No. 500	North Africa	200 lb.	do.	0 2 7	J. E. Stone & Co.
†3008	Swansdown, 30" wide .. .. .	..	10 l. yds.	l. yd.	..	..
†3009	Tape, Cotton, Black, 1" .. .. .	..	100 dozen yards	dozen yards	..	..
	Tape, Cotton, Red—					
†3010	No. 16, 9 yards, per piece .. .. .	..	30 dozen pieces	dozen pieces	..	} Nil
†3011	No. 24, 9 yards, per piece .. .. .	..	30 "	do.	..	
†3011A	No. 32, 9 yards per piece .. .. .	..	8 "	do.	..	
	Tape, Cotton, White, Indian, 9 mils thick, in reels of 1,000 yards—					
†3012	Width, ¾" .. .. .	U.K.	14 gross yds.	gross yds.	*0 2 4	} British General Electric Co. Ltd.
†3013	Width, 1" .. .. .	"	6 "	do.	*0 2 9	
	Tape, Cotton, Egyptian, superfine, natural colour—					
†3014	Width ¾" x 7 mils thick, in reels of 1,000 yards	U.K.	7 "	do.	*0 2 1	} Mica and Insulating Supplies Co.
*†3015	Width ¾" x 7 mils thick, in reels of 1,000 yards	"	14 "	do.	*0 2 6½	
†3016	Width ¾" x 7 mils thick, in reels of 72 yards	"	600 "	do.	*0 2 6	
†3017	Width 1" x 7 mils thick, in reels of 1,000 yards	"	7 "	do.	*0 3 2½	
†3018	Tape, Cotton, Indian Grey, natural colour— Width 1" x 9 mils thick, in reels of 72 yards, Tape, Linen, White, 10 mils thick, in coils of 144 yards—	"	7 "	do.	*0 2 7	
	Width ¾" .. .. .	..	4 "	do.	..	} Nil
*†3020	Width ½" .. .. .	..	14 "	do.	..	
†3021	Width ¼" .. .. .	..	4 "	do.	..	
†3022	Width 1" .. .. .	..	3½ "	do.	..	
	Thread, Machine, in 2-oz. reels, any colours ordered—"Knox," best quality linen—					
†3023	No. 12 .. .. .	U.K.	150-reels	reel	*0 1 0	} Frank & Bryce Ltd.
†3024	No. 18 .. .. .	"	75 "	do.	*0 1 1	
†3025	No. 20 .. .. .	"	250 "	do.	*0 1 2	
†3026	No. 30 .. .. .	"	50 "	do.	*0 1 4½	
†3027	No. 40 (in 1 oz. reels) .. .. .	"	50 "	do.	*0 0 9½	
†3028	No. 50 (in 1 oz. reels) .. .. .	"	100 "	do.	*0 0 10	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
<b>DRAPERY, ETC., No. 2—continued.</b>						
†3029	Velvet, Utrecht, 24" wide, green .. ..	..	200 l. yds.	l. yd.	..	Nil
†3030	Wadding, Cotton, sheet, large size, unbleached, approx. 2' 6" wide x 12 yards long	Vict.	200 dozen sheets	roll of dozen yards	0 2 11	Federal Felters Pty. Ltd.
†3031	Webbing, Brown, up to 2½", as ordered ..	U.K.	500 yards	100 yards	*1 1 6	J. Gadsen Pty. Ltd.
	Webbing, Cotton, Natural Colour, 20 mils thick, in 24 yard or longer length coils—					
3032	Width ¾" .. .. .	"	6 gross yards	gross yards	*0 2 9	Mica & Insulating Supplies Co.
*3033	Width 1" .. .. .	"	100 "	do.	*0 3 8	
†3034	Width 1¼" .. .. .	"	5 "	do.	*0 4 5½	
3035	Width 1½" .. .. .	"	3½ "	do.	*0 6 3	
	Webbing, Natural Colour, in 24 yard length coils—					
*3036	Width 1" x 20 mils thick, Linen, "Bond's No. 1"	"	28 "	do.	*1 2 6	W. G. Sleightholm
†3037	Width 1½" x 22 to 33 mils thick, Cotton, in 24 yard or longer lengths	"	3½ "	do.	*0 18 0	Mica & Insulating Supplies Co.
*3038	Webbing, White, Cotton, 1" .. .. .	..	12,000 yards	100 yards	..	Item 3033 to be used
†3039	Wool, Fingering .. .. .	..	150 lb.	lb.	..	Nil

**PAINTERS' AND GRAINERS' SUNDRIES.**

The Putty—Items 3067 and 3068 shall conform to Australian Standard Specification, No. K, 27—1929.

\* Plus ruling rate of T.T. Exchange on date of delivery on 80 per cent.

The rates for Items 3042, 3049, 3050, 3055, 3056, 3061, 3062, 3064, and 3066 are firm as regards T.T. Exchange and Conversion.

†3040	Aluminium Powder, best quality, in 1-lb. packets	..	84 lb.	lb.	..	Nil
†3041	Beeswax .. .. .	Vict.	700 "	do.	0 1 6	W. & G. Dean Pty. Ltd.
†3042	Cutters, Glass, turret head, No. 1 ..	U.S.A.	72	each	0 1 0½	
	Dabs, Gilders', Bear Hair—					
3043	No. 2 .. .. .	..	10	do.	..	Nil
3044	No. 4 .. .. .	..	10	do.	..	
†3045	No. 6 .. .. .	..	10	do.	..	
3046	No. 8 .. .. .	..	10	do.	..	
3047	No. 10 .. .. .	..	10	do.	..	
3048	No. 12 .. .. .	..	20	do.	..	
†3049	Filling, Patent .. .. .	U.K.	56 lb.	lb.	0 0 6	W. & G. Dean Pty. Ltd.
†3050	Fitches, Hog Hair Lining, ¼" to 1", as ordered	"	12	each	0 1 2	E. L. Yencken & Co. Pty. Ltd.
†3051	Knives, Palette, 6" blade, "Tyzack D15" ..	"	6	do.	*0 1 6	Briscoe & Co. Ltd.
†3052	" " 7" blade .. .. .	"	6	do.	*0 1 10	
†3053	" Putty, any sizes ordered, "Tyzack D57"	"	50	do.	*0 1 7	
†3054	" Stopping, 6" blade .. .. .	..	150	do.	..	Nil
	Knives, Stripping—					
†3055	1½" blade, "Perigo Bros." .. .. .	U.K.	20	do.	0 1 3	E. L. Yencken & Co. Pty. Ltd.
†3056	2" blade x 5" long, "Perigo Bros." ..	"	100	do.	0 1 4	
†3057	3" blade x 5" long .. .. .	"	100	do.	..	
	Pencils, Sable, Writers' or Liners' Best Red—					
3058	Lark .. .. .	..	5	do.	..	Nil
3059	Crow .. .. .	..	12	do.	..	
3060	Duck .. .. .	..	30	do.	..	
†3061	Goose .. .. .	U.K.	10	do.	0 2 3	E. L. Yencken & Co. Pty. Ltd.
3062	Mid Swan .. .. .	Germany	6	do.	0 5 6	W. & G. Dean Pty. Ltd.
3063	Large Swan .. .. .	..	6	do.	..	Nil
†3064	Pumice Dust, Superfine .. .. .	Italy	3 cwt.	cwt.	0 14 0	W. & G. Dean Pty. Ltd.
†3065	" " No. 3 .. .. .	..	30 "	do.	..	Nil
†3066	" " Stone .. .. .	Italy	1 "	do.	2 2 0	E. L. Yencken & Co. Pty. Ltd.
†3067	Putty in Oil, in 28-lb. tins .. .. .	..	..	..	..	Nil
†3068	" " in drums .. .. .	..	..	..	..	
†3069	Softening Fluid, in pint tins .. .. .	..	14 pints	pint	..	

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

PAINTERS' AND GRAINERS' SUNDRIES—*continued.*

†3070	Stones, rubbing .. .. .	.. .. .	400	each	..	Nil
†3071	Wood, plastic, in 1-lb. tins .. .. .	.. .. .	75 lb.	lb.	..	To be obtained from Newport
3072	Nil					

GLASS.

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

The Trimidical Glass under Item No. 3112 shall be so cut that when it is placed in position the base of the triangle in pattern shall be horizontal.

The rates for Items 3073, 3077, 3078, 3106, 3107, and 3108 are firm as regards T.T. Exchange and Conversion.

Names of Manufacturers—

Items 3074-3076, 3083-3085, 3088, 3102-3104, 3109, and 3110—Aust. Window Glass Coy.

Items 3106-3108—Comptoir, Belgium.

†3073	Glass— Amber, any shades ordered .. .. .	Belgium	30 sq. ft.	sq. ft.	0 0 11½	E. L. Yencken & Co. Pty. Ltd.	
†3074	Arctic, White .. .. .	N.S.W.	50 "	do.	0 0 10	} Brooks, Robinson Pty. Ltd.	
†3075	" Coloured .. .. .	"	50 "	do.	0 1 1		
†3076	Flemish, any colours ordered .. .. .	"	150 "	do.	0 1 1	} E. L. Yencken & Co. Pty. Ltd.	
†3077	Opal, 16 oz. .. .. .	Belgium	2 "	do.	0 0 9		
†3078	" 21 oz. .. .. .	"	2 "	do.	0 0 11		
	Plate, Polished, level, clear and free from blemish, as ordered—						
3079	1/8" .. .. .	..	1,000 "	do.	..	} Nil	
3080	3/16" square feet, 0 to 10 .. .. .	..	1,600 "	do.	..		
3081	1/4" square feet, 0 to 10 .. .. .	..	2,400 "	do.	..		
3082	5/8" .. .. .	..	25 "	do.	..		
	Plate, Rolled, ribbed—						
3083	1/8" .. .. .	N.S.W.	500 "	do.	0 0 9	} Brooks, Robinson Pty. Ltd.	
3084	3/16" .. .. .	"	1,000 "	do.	0 0 10		
3085	1/4" .. .. .	"	600 "	do.	0 0 10½	} Nil	
3086	Plate, Silvered, 1/4" bevelled up to 1", as ordered	..	50 "	..	..		
3087	" " 5/16" bevelled up to 1", as ordered	..	250 "	..	..		
†3088	" Wire cast .. .. .	N.S.W.	600 "	do.	0 1 3	E. L. Yencken & Co. Pty. Ltd.	
†3089	" Wire rolled .. .. .	..	600 sq. ft.	sq. ft.	..		
	Glass—						
3090	Sheet, 16 oz., United inches, 0 to 40 .. .. .	..	400 "	do.	..	} Nil	
3091	" 16 oz., " over 40 to 50 .. .. .	..	100 "	do.	..		
3092	" 21 oz., " 0 to 40 .. .. .	..	3,000 "	do.	..		
3093	" " " over 40 to 50 .. .. .	..	3,000 "	do.	..		
3094	" " " " 50 to 70 .. .. .	..	2,000 "	do.	..		
3095	" " " " 70 to 80 .. .. .	..	2,500 "	do.	..		
3096	" " " " 80 to 90 .. .. .	..	500 "	do.	..		
3097	" " " " 90 to 100 .. .. .	..	250 "	do.	..		
	Sheet, Glass, 21 oz.—						
3098	12" x 10" .. .. .	..	200 sheets	sheet	..		
3099	16" x 12" .. .. .	..	250 "	do.	..		
3100	16" x 14" .. .. .	..	150 "	do.	..		
3101	18" x 12" .. .. .	..	200 "	do.	..		
3102	Sheet, 26 oz., United inches, 0 to 40 .. .. .	N.S.W.	15,000 sq. ft.	sq. ft.	0 0 6½	} Brooks, Robinson Pty. Ltd.	
3103	" " " over 40 to 50 .. .. .	"	10,000 "	do.	0 0 6¾		
3104	" " " " 50 to 70 .. .. .	"	600 "	do.	0 0 7¼	} Nil	
3105	" " " " 70 to 80 .. .. .	"	150 "	do.	..		
3106	" " " " 80 to 90 .. .. .	Belgium	30 "	do.	0 0 7½	} E. L. Yencken & Co. Pty. Ltd.	
3107	" " " " 90 to 100 .. .. .	"	100 "	do.	0 0 8¼		
3108	" Ground, 21 oz. .. .. .	..	200 "	do.	0 0 8½	} Brooks, Robinson Pty. Ltd.	
3109	" " 26 oz. .. .. .	N.S.W.	1,000 "	do.	0 1 0		
†3110	" Signal green, 16 oz. .. .. .	..	100 "	do.	..	} Nil	
†3111	" " red, 16 oz. .. .. .	..	200 "	do.	..		
†3112	Trimidical .. .. .	..	1,000 "	do.	..		
3113	} Nil.						
to							
3115							

GRINDSTONES AND ABRASIVE WHEELS.

All Wheels with bores up to 2 inches in diameter shall be lead bushed.

† "Aloxite," Rates quoted less 50 per cent.

‡ "Carborundum," Rates quoted less 40 per cent.

§ "Rubber," Rates quoted less 32½ per cent.

\* Plus ruling rate of T.T. Exchange at date of delivery on 80 per cent.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
3116	Discs, "Aloxite," Standard, 24" x 8"— For Grinding Steel	U.K.	16	each	*1	14	0	Eliza Tinsley Pty. Ltd.
3117	For Grinding Brass "Carborundum"	"	16	do.	*1	14	0	
3118	Grindstones of approved grit, soft, medium, or hard, as ordered— 4" thick x 24" diameter, "Saunders"	N.S.W.	4	do.	0	19	9	Hardware Co. of Aust. Pty. Ltd.
3119	5" thick x 30" diameter	"	1	do.	2	3	6	
3120	7" thick x 48" diameter	"	3	do.	..	..	..	Nil
3121	12" thick x 84" diameter	"	2	do.	..	..	..	
3122	Wheels, Abrasive—"Carborundum Coy."— ¾" x 1½" x ⅜", Lapping C.H. Pin Holes, Grit 40, Grade N, R.P.M. 19,100	U.K.	14	do.	*†0	4	0	Eliza Tinsley Pty. Ltd.
3123	¾" x ¼" x ¼", High Speed Tools, Grit 40, Grade O, R.P.M. 19,100	"	2	do.	*†0	1	9	
3124	1" x ¼" x ¼", High Speed Tools, Grit 40, Grade N, R.P.M. 19,100	"	12	do.	*†0	1	9	
3125	1" x 1" x ¼" (Cup) for "Keller" Portable Grinder, Grit 60, Grade M, R.P.M. 19,100	"	12	do.	*†0	3	3	
3126	1½" x 1½" x ⅜", for Lapping Machine, Grit 40 and 50, Grade N and L, R.P.M. 15,000	"	25	do.	*†0	4	6	
3127	1½" x 1½" x ⅜", for Lapping Machine, Grit 40, Grade N, R.P.M. 11,000	"	10	do.	*†0	4	6	
3128	1½" x 1½" x ⅜", for Lapping Machine, Grit 40, Grade N, R.P.M. 10,000	"	4	do.	*†0	5	9	
3129	2" x ¾" x ½" for Churchill Universal Grinders, Grit 60, Grade M, R.P.M. 9,500	"	2	do.	*†0	3	9	
3130	2" x ¾" x ½" for Churchill Universal Grinders, Grit 40, Grade K, R.P.M. 9,500	"	2	do.	*†0	3	9	
3131	2½" x 1½" x ⅜" Lapping C.H. Pin Holes, Grit 40, Grade N; R.P.M. 9,000	"	4	do.	*†0	6	3	
3132	2½" x 1½" x ⅜", for Lapping Machine, Grit 40, Grade N, R.P.M. 6,750	"	4	do.	*†0	6	3	
3133	3" x ¼" x ¼" Sawco Electric Grinder, Grit 40, Grade M, R.P.M. 6,350	"	4	do.	*†0	3	3	
3134	3" x 1½" x ⅜", for Lapping Machine, Grit 40, Grade N, R.P.M. 6,350	"	2	do.	*†0	7	3	
3135	3¼" x 1¼" x ½", Taper Cup, Grit 40, Grade O, R.P.M. 6,000	"	5	do.	*†0	7	3	
3136	3⅝" x ¾", recessed for internal grinding (cast iron), diameter of recess 2⅝", depth of recess ⅜", bore 1⅝", Grit 40, Grade P, R.P.M. 6,000 Carbo	"	6	do.	*†0	5	6	
3137	4" x ⅜" x ½", High Speed Tools, Grit 60, Grade K6, R.P.M. 9,500	"	2	do.	*§0	3	9	
3138	5" x 1½" x ½", Straight Cup, Grit 40, Grade O, R.P.M. 3,500	"	3	do.	*†0	12	9	
3139	6" x ½" x ½", High Speed Tools, Grit 60, Grade K6, R.P.M. 5,700	"	1	do.	*§0	6	3	
3140	6" x ¼" x ½", High Speed Tools, Grit 50, Grade O, R.P.M. 3,183	"	3	do.	*†0	7	3	
3141	6" x ½" x ½", Grit 50, Grade P., R.P.M. 3,183	"	3	do.	*†0	9	0	
3142	6" x ⅝" x ½", Saucer Wheel, H.S. Tools, Grit 50, Grade O, R.P.M. 2,865	"	2	do.	*†0	11	9	
3143	6" x 1" x ½", Portable Grinders, Grit 30, Grade G, R.P.M. 3,183	"	150	do.	*†0	12	9	
3144	6" x 2" x ¾" (Cup), Universal Grinder, Grit 50, Grade O, R.P.M. 2,865	"	4	do.	*†1	0	0	
3145	6" x 2" x ¾", Taper Cup, Grit 40, Grade O, R.P.M. 2,865	"	4	do.	*†1	0	0	
3146	7½" x 1½" x ¼", Recessed, Grit 40, Grade M, R.P.M. 2,500	"	1	do.	*†1	6	0	

Less discount shown at head of Schedule.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
GRINDSTONES AND ABRASIVE WHEELS—continued.								
	Wheels, Abrasive—"Carborundum Coy."— <i>continued.</i>							
3147	7½" x 2" x ¾", Recessed, Grit 100, Grade J, R.P.M. 2,500	U.K.	1	each	*†1	12	0	Eliza Tinsley Pty. Ltd.
3148	8" x 1" x 1", Grit 30, Grade H, R.P.M. 2,387	"	3	do.	*†0	19	6	
3149	8" x 1¼" x ¾", Radial and Hand Grinder, Grit 24, Grade G, R.P.M. 2,387	"	50	do.	*†1	3	0	
3150	8" x 1½" x 1¼", Portable Grinders, Grit 30, Grade G, R.P.M. 2,387	"	18	do.	*†1	6	0	
3151	9½" x 1¾" x 1½", Recessed, dia. of recess 7½" x ¾" deep, Grit 40, Grade M, R.P.M. 1,800	"	3	do.	*†1	18	0	
3152	9½" x 1½" x 1½", Twist Drills, Recessed, Grit 40, Grade M, R.P.M. 1,800	"	2	do.	*†1	18	0	
3153	10" x ¼" x ¾", Fluting Taps, Grit 80, Grade M, R.P.M. 1,910	"	2	do.	*†0	13	6	
3154	10" x ¼" x ¾", H.S. Tools, Taps, &c., Universal, Grit 50, Grade M, R.P.M. 1,910	"	2	do.	*†0	13	6	
3155	10" x ½" x ¾", H.S. Steel, Dies, &c., Grit 40, Grade M, R.P.M. 1,910	"	4	do.	*†0	18	6	
3156	10" x ¼" x ¾", Edge Tools, Grit 40, Grade M, R.P.M. 1,910	"	2	do.	*†0	13	6	
3157	10" x ¼" x ¾", Edge Tools, Grit 40, Grade M, R.P.M. 1,910	"	1	do.	*†0	13	6	
3158	10" x ⅜" x ¾", Edge Tools, Grit 60, Grade M, R.P.M. 1,910	"	4	do.	*†0	16	3	
3159	10" x ⅜" x 1¼", Edge Tools, Grit 40, Grade M, R.P.M. 1,910	"	3	do.	*†0	16	3	
3160	10" x ½" x ¾", Edge Tools, Grit 40, Grade M, R.P.M. 1,910	"	1	do.	*†0	18	6	
3161	10" x ½" x 1¼", Edge Tools, Grit 40, Grade M, R.P.M. 1,910	"	3	do.	*†0	18	6	
3162	10" x ¾" x ¾", Edge Tools, Grit 40, Grade M, R.P.M. 1,910	"	5	do.	*†1	3	0	
3163	10" x ¾" x 1¼", Edge Tools, Grit 40, Grade M, R.P.M. 1,910	"	4	do.	*†1	3	0	
3164	10" x 1" x 1¼", Edge Tools, Grit 40, Grade M, R.P.M. 1,910	"	3	do.	*†1	8	0	
3165	10" x 2" x 1¼", Edge Tools, Grit 40, Grade M, R.P.M. 1,910	"	3	do.	*†2	9	0	
3166	10" x ⅜" x ¾", Milling Cutters, Taps, &c., Grit 40, Grade O, R.P.M. 1,910	"	10	do.	*†0	16	3	
3167	10" x ⅜" x ¾", Fluting Taps, Grit 80, Grade M, R.P.M. 1,910	"	2	do.	*†0	16	3	
3168	10" x ½" x ¾", Fluting Taps, Grit 80, Grade M, R.P.M. 1,910	"	1	do.	*†0	18	6	
3169	10" x ½" x 1", Milling Cutters, Taps, &c., Grit 40, Grade O, R.P.M. 1,910	"	3	do.	*†0	18	6	
3170	10" x ½" x 1", Forming Tools, Grit 80, Grade M, R.P.M. 1,910	"	4	do.	*†0	18	6	
3171	10" x 1" x 1¼", Milling Cutters, Taps, &c., Grit 40, Grade O, R.P.M. 1,910	"	2	do.	*†1	8	0	
3172	10" x 1" x 4¾", recessed, Hardened Steel, Jones and Shipman's Machine, Grit 365, Grade O, R.P.M. 1,910	"	2	do.	*†1	8	0	
3173	12" x ½" x 2", Edge Tool Cutters, &c., Grit 40, Grade M, R.P.M. 1,590	"	2	do.	*†1	3	0	
3174	12" x ½" x ¾", Circular Saw Gulleting Machine, Grit 365, Grade L, R.P.M. 1,590	"	4	do.	*†1	3	0	
3175	12" x ¾" x 2", Edge Tool Cutters, &c., Grit 40, Grade M, R.P.M. 1,590	"	2	do.	*†1	9	0	
3176	12" x 1" x 2", Edge Tool Cutters, &c., Grit 40, Grade M, R.P.M. 1,590	"	2	do.	*†1	16	0	
3177	12" x 1" x 1½", High Speed Tools, Grit 40, Grade M, R.P.M. 1,590	"	2	do.	*†1	16	0	
3178	12" x 1" x 1", H.S. Steel, General use, Grit 40, Grade J, R.P.M. 1,590	"	1	do.	*†1	16	0	
3179	12" x 1¼" x 5" for Churchill Universal Grinder, Grit 50, Grade O, R.P.M. 1,590	"	1	do.	*†2	3	0	

Less discount shown at head of Schedule.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.	
					£	s.	d.		
GRINDSTONES AND ABRASIVE WHEELS— <i>continued.</i>									
	Wheels, Abrasive, "Carborundum Coy."— <i>continued.</i>								
3180	12" x 1½" x 5", for Churchill Universal Grinder, Grit 50, Grade O, R.P.M. 1,590	U.K.	1	each	*†2	3	0	Eliza Tinsley Pty. Ltd.	
3181	12" x 1½" x 5", for Churchill Universal Grinder, Grit 50, Grade P, R.P.M. 1,590	"	1	do.	*†2	3	0		
3182	12" x 1½" x 5", for Churchill Universal Grinder, Grit 50, Grade P, R.P.M. 1,590	"	2	do.	*†2	3	0		
3183	12" x 2" x 2", Edge Tool Cutters, &c., Grit 40, Grade M, R.P.M. 1,590	"	3	do.	*†3	2	0		
3184	12" x 2" x 1", Edge Tool Cutters, &c., Grit 40, Grade M, R.P.M. 1,590	"	1	do.	*†3	2	0		
3185	12" x 2" x 1", General Use, Grit 36, Grade H, R.P.M. 1,590	"	1	do.	*†3	2	0		
3186	12" x 2" x 1½", General use, Grit 36, Grade H, R.P.M. 1,590	"	2	do.	*†3	2	0		
3187	12" x 2" x 1½", Cast Iron, Grit 24, Grade Gx, R.P.M. 1,590	"	4	do.	*†3	2	0		
3188	12" x 2" x 1½" for Steel Castings, Grit 24, Grade H, R.P.M. 1,590	"	6	do.	*†3	2	0		
3189	12" x 10" x 6" x 5½" Cup, for Lumsden No. 1 Oscillating (New Type) Grinder, Grit 30, Grade N, R.P.M. 1,432	"	3	do.	*†8	3	0		
3190	14" x 2" x 1½", Cast Iron, Grit 20, Grade Gx, R.P.M. 1,364	"	12	do.	*†4	5	0		
3191	14" x 2" x 1½", General use, Grit 24, Grade H, R.P.M. 1,364	"	1	do.	*†4	5	0		
3192	14" x 2" x 2" for Steel Castings, Grit 20, Grade H, R.P.M. 1,364	"	2	do.	*†4	5	0		
3193	14" x 5" x 2½", Grit 141, Grade N, R.P.M. 1,364	"	3	do.	*†10	5	0		
3194	16" x 1½" x 5", Grit 365, Grade M, R.P.M. 1,194	"	1	do.	*†4	7	0		
3195	18" x 1½" x 2½", Grit 24, Grade H, R.P.M. 1,061	"	1	do.	*†6	3	0		
3196	20" x 2½" x 1½", Steel Castings, Grit 16, Grade G, R.P.M. 955	"	6	do.	*†10	3	0		
3197	20" x 2½" x 1½", Mild Steel Ferrules, Grit 36, Grade H, R.P.M. 955	"	3	do.	*†10	3	0		
3198	20" x 2½" x 1½", High Speed Lathe Tools, Grit 30, Grade H, R.P.M. 955	"	12	do.	*†10	3	0		
3199	20" x 2½" x 1½", Spelter off B/S Tube, Grit 20, Grade J, R.P.M. 955	"	1	do.	*†10	3	0		
3200	20" x 2½" x 1½", Iron and Brass Castings, Grit 16, Grade H, R.P.M. 955	"	4	do.	*†10	3	0		
3201	20" x 2½" x 1½", Iron and Brass Castings, Grit 20, Grade H, R.P.M. 955	"	3	do.	*†10	3	0		
3202	20" x 2½" x 1½", Mall. Castings, Grit 24, Grade H, R.P.M. 955	"	2	do.	*†10	3	0		
3203	20" x 2½" x 1½", Finishing Brass Castings, Grit 36, Grade H, R.P.M. 955	"	3	do.	*†10	3	0		
3204	20" x 2½" x 1½", Copper Smiths' use, Grit 24, Grade H, R.P.M. 955	"	1	do.	*†10	3	0		
3205	20" x 2½" x 9", H.S. Tools, Wet, Grit 24, Grade H, R.P.M. 955	"	1	do.	*†9	13	6		
3206	24" x 2½" x 10½", Sellars Grinders, Recessed and angular face, Grit 24, Grade J, R.P.M. 796	"	1	do.	*†13	13	6		
3207	24" x 3" x 2", H.S. Steel Tools, Grit 20 and 24, Grade H, R.P.M. 796	"	2	do.	*†17	10	0		
3208	24" x 3" x 1½", Grinding High Speed Steel Tools, Grit 30, Grade H, R.P.M. 796	"	2	do.	*†17	10	0		
3209	Any Standard Abrasive Wheels, as may be ordered; not provided for under Items 3122-3208	"	15	do.	*†As per price list				
3210 to 3229	Nil								

Less discount shown at head of Schedule.

BURNERS, LAMPWARE.

The wicks delivered under Items Nos. 3335 to 3338 must be true to size.

\* Plus ruling rate of T.T. Exchange on date of delivery on 80 per cent.

As regards Items Nos. 3336 and 3337, the rates are firm for contract period regarding exchange.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.	
					£ s. d.		
Burners—							
+3330	Kerosene, Cosmo, No. 14 .. ..	..	4 doz.	dozen	..	} Nil	
+3331	„ 1", "Victor No. 2," or any alternative	..	30 „	do.	..		
+3332	Lamps, Paint, burning off, 1 pint ..	..	20	each	..		
3333	Prickers, for Primus Burners .. ..	..	10 doz.	dozen	..	} Briscoe & Co. Ltd.	
+3334	Wick, Ball, Lamp .. ..	..	6 cwt.	cwt.	..		
+3335	Wick, Cosmo, 8" long, No. 14 .. ..	U.K.	30 doz.	dozen	*0 1 3	} E. Duckett & Sons	
	Wick, Cotton, Kerosene, 3" long—						
3336	1" .. ..	..	2,000 „	do.	0 0 1 1/2		
3337	3/8" .. ..	..	250 „	do.	0 0 2 1/2		
3338	1/8" .. ..	..	20 „	do.	..	} Nil	
LAMP GLASSES, ETC.							
Chimneys—							
*3339	Cosmo Lamp, No. 14 .. ..	Vict.	50 doz.	dozen	0 7 7	} Dott & Co. Pty. Ltd.	
*3340	„ „ Short .. ..	..	144 „	do.	0 8 1		
*3341	Lamp, large slip .. ..	..	500 „	do.	0 7 4		
*3342	Roof Lamp .. ..	..	40 „	do.	0 4 10		
*3343	Adlake Lamp "A" .. ..	..	200 „	do.	0 5 10		
Glasses, Lamp—							
3344	Bent, Green, 4 1/4" diameter .. ..	..	100 „	do.	..	} Nil	
*3345	„ „ 5 1/4" diameter .. ..	..	16 „	do.	..		
+3346	„ Lux Lamp .. ..	..	9 „	do.	..		
3347	„ Ruby, 4 1/4" diameter .. ..	..	35 „	do.	..	} Dott & Co. Pty. Ltd.	
*3348	„ „ 5 1/4" diameter .. ..	..	25 „	do.	..		
*3349	Bottom, for Roof Lamps .. ..	Vict.	20 „	do.	2 6 10	} Brooks Robinson Pty. Ltd.	
Front, for Hand Signal Lamps—							
3350	Clear Circles, 5" diameter .. ..	..	60 „	do.	0 8 0		
*3351	„ „ 5 1/2" diameter .. ..	(partly)	15 „	do.	0 8 6		
*3352	Gate, Ruby, 6" .. ..	..	4 „	do.	..		
*3353	Hurricane, Ruby .. ..	..	3 „	do.	..	} Nil	
*3354	„ White .. ..	Vict.	8 „	do.	0 7 10		
Globes—							
3355	Pintsch Gas, 6", clear .. ..	..	8 „	do.	1 0 0	} Dott & Co. Pty. Ltd.	
3356	„ „ 6", frosted .. ..	..	40 „	do.	1 2 5		
*3357	„ „ 8", clear .. ..	..	30 „	do.	1 14 5		
3358	„ „ 8", frosted .. ..	..	72 „	do.	1 16 4		
3359	„ „ 10", clear .. ..	..	8 „	do.	2 1 0		
3360	„ „ 10", frosted .. ..	..	8 „	do.	2 3 6		
*3361	Bland, large .. ..	..	20 „	do.	0 6 10	} Nil	
Lenses—							
*3362	Ruby, 4" .. ..	..	2 „	do.	..		
3363	Clear, 2" .. ..	..	18 „	do.	..		
*3364	„ 4" .. ..	..	18 „	do.	..		
3365	„ 6" .. ..	..	3 „	do.	..		
3366 to 3386	Nil.						

NUTS, RIVETS, AND SPIKES, ETC.

SPECIFICATION.

The screw threads of all nuts shall be in accordance with B.S. Specification No. 92-1919.

The nuts shown opposite Items Nos. 3339 to 3411 (inclusive), 3418 to 3424 (inclusive), and 3428 to 3432 (inclusive), shall be in accordance with B.S. Specification No. 190-1924.

The square nuts shown opposite Item No. 3415 shall be in accordance with that shown for hexagon nuts, in regard to the width across the flats and the height, and to the quality of steel, in B.S.S. No. 190/1924.

The hexagon portion of the nuts shown opposite the Items Nos. 3433, 3434, and 3435 shall be in accordance with Table II. from B.S.S. No. 28/1908.

The castellated portion, the slots of the nuts, and the quantity of the steel under these three items shall be in accordance with B.S.S. No. 190/1924.

The dimensions of the Brass Nuts shown opposite Items Nos. 3418 to 3424 (inclusive) shall be in accordance with B.S.S. No. 190-1924.

The rates for Items Nos. 3437, 3442-3447 are firm as regards T.T. Exchange.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
<b>NUTS, RIVETS, AND SPIKES, ETC.—continued.</b>						
<b>NUTS.</b>						
† 3387	Nuts, Bright, Steel, Hexagon, Pressed and Finished, "Nettlefold's"—					
3388	5/32", thick .. .. .	Vict.	4 gross	gross	0 1 3	} E. Duckett & Sons
	3/16" .. .. .	"	2 "	do.	0 1 5	
	Nuts, Bright, Steel, Hexagon, Pressed and Finished, British Standard, "Duly & Hansford," thick—					
3389	1/2" .. .. .	N.S.W.	20 "	do.	0 3 8	} McPherson's Pty. Ltd.
3390	5/16" .. .. .	"	22 "	do.	0 4 2	
3391	3/8" .. .. .	"	36 "	do.	..	} Nil
3392	1/2" .. .. .	N.S.W.	4 "	do.	0 7 4	
3393	5/16" .. .. .	"	20 "	do.	0 8 4	} McPherson's Pty. Ltd.
3394	3/8" .. .. .	"	50 "	do.	0 13 7	
3395	1/2" .. .. .	"	20 "	do.	1 0 11	} McPherson's Pty. Ltd.
3396	5/16" .. .. .	"	30 "	do.	1 9 10	
3397	1" .. .. .	"	10 "	do.	1 19 8	} McPherson's Pty. Ltd.
3398	1 1/2" .. .. .	"	4 "	do.	2 17 6	
3399	1 1/4" .. .. .	"	4 "	do.	..	} Nil
3400	1 1/8" .. .. .	"	1 "	do.	..	
3401	1 1/2" .. .. .	"	1 "	do.	..	} Nil
3402	1", Lock (thin) .. .. .	N.S.W.	1 "	do.	0 3 8	
3403	" .. .. .	"	1 "	do.	0 5 3	} McPherson's Pty. Ltd.
3404	" .. .. .	"	6 "	do.	0 7 10	
3405	" .. .. .	"	10 "	do.	0 12 6	} Nil
3406	" .. .. .	"	6 "	do.	..	
3407	" .. .. .	N.S.W.	7 "	do.	1 6 2	} McPherson's Pty. Ltd.
3408	1" .. .. .	"	3 "	do.	1 14 6	
3409	1 1/2" .. .. .	"	1 "	do.	..	} Nil
3410	1 1/4" .. .. .	"	1 "	do.	..	
3411	1 3/8" .. .. .	"	1 "	do.	..	
	Nuts, Bright, Steel, Square, Pressed, "Nettlefold's"—					
3412	1/2" .. .. .	Vict.	6 gross	gross	0 0 10	} McPherson's Pty. Ltd.
† 3413	5/32" .. .. .	"	1 "	do.	0 0 10	
3414	3/16" .. .. .	"	12 "	do.	0 1 0	
3415	1/4" .. .. .	"	8 "	do.	0 1 4	
	Nuts, Brass, Hexagon, Thick, Pressed—					
3416	1/2" .. .. .	"	12 gross	gross	..	} Nil
† 3417	3/8" .. .. .	"	50 "	do.	..	
3418	1/4" .. .. .	"	18 "	do.	..	} Nil
3419	5/16" .. .. .	"	7 "	do.	..	
3420	3/8" .. .. .	"	10 "	do.	..	} Nil
3421	1/2" .. .. .	"	5 "	do.	..	
3422	5/16" .. .. .	"	5 "	do.	..	} Nil
3423	3/8" .. .. .	"	5 "	do.	..	
3424	1/2" .. .. .	"	5 "	do.	..	} Nil
3425	Nuts, Brass, Butterfly, 1/2" .. .. .	Vict.	12 doz.	dozen	0 1 6	
† 3426	" .. .. .	"	6 doz.	do.	0 2 11	} McPherson's Pty. Ltd.
3427	Nil.	"				
	Nuts, Bright, Steel, Castle, Hexagon, Finished, "Duly and Hansford"—					
3428	1/2" .. .. .	N.S.W.	1 gross	gross	0 17 8	} McPherson's Pty. Ltd.
3429	3/8" .. .. .	"	2 "	do.	1 8 8	
3430	1/4" .. .. .	"	1 "	do.	1 19 8	} McPherson's Pty. Ltd.
3431	5/16" .. .. .	"	2 "	do.	2 15 0	
3432	1" .. .. .	"	1 "	do.	3 17 0	} McPherson's Pty. Ltd.
3433	Nuts, Black, Steel, Castle, 1" .. .. .	Vict.	2 "	do.	4 0 0	
3434	Nuts, Black, Steel, Slotted, Hexagon, 3/4" .. .. .	"	5 "	do.	2 2 6	} Nil
3435	" .. .. .	"	2 "	do.	2 17 6	
3436	Rivets, Copper, with or without burrs, any sizes, as ordered .. .. .	"	300 lb.	lb.	..	} Nil
3437	" .. bifurcated, No. 9, in boxes of approx. 9 dozen .. .. .	U.K.	4 boxes	box	0 0 6	
3438	" .. Iron, tinned, any sizes ordered .. .. .	Vict.	1,200 lb.	lb.	0 0 6 1/2	} E. Duckett & Sons
*3439	Shoes, Pile .. .. .	"	60	each	0 7 7	
3440	Spikes, round, chisel, or diamond pointed, as ordered, any sizes ordered .. .. .	"	150 cwt.	cwt.	0 18 0	} A. J. Read
3441	" .. drift, any sizes ordered .. .. .	"	3 "	do.	0 17 3	



Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
NUTS, RIVETS, AND SPIKES, ETC.— <i>continued.</i>						
	Washers, Bright Steel, Finished, Round Plate—					
3442	$\frac{3}{16}$ " round hole .. .. .	U.K.	12 gross	gross	0 0 11	} McPherson's Pty. Ltd.
3443	$\frac{1}{4}$ " .. .. .	"	80 "	do.	0 1 1	
3444	$\frac{5}{16}$ " .. .. .	"	1 "	do.	0 1 7	
3445	$\frac{3}{8}$ " .. .. .	"	10 "	do.	0 1 8	
3446	$\frac{1}{2}$ " .. .. .	"	10 "	do.	0 2 9	
3447	$\frac{3}{4}$ " .. .. .	"	1 "	do.	0 9 3	
3448 to 3449	Nil.					
PLUMBERS' MATERIAL.						
	CAST IRONWARE.					
	Bends, Soil Pipe, $\frac{5}{8}$ " Metal, any angles ordered—					
3450	3" .. .. .	Vict.	2	each	0 5 6	J. & T. Muir Pty. Ltd.
3451	4" .. .. .	"	30	do.	0 7 6	J. Danks & Son Pty. Ltd.
	Branches, Soil Pipe, $\frac{5}{8}$ " Metal, looking up or down, any angles ordered—					
3452	3" x 2" (spigot ends to be 10" longer than standard size)	"	2	do.	0 8 7	} J. & T. Muir Pty. Ltd.
3453	3" x 3" .. .. .	"	1	do.	0 6 2	
3454	4" x 3" .. .. .	"	2	do.	0 10 0	
3455	4" x 4" .. .. .	"	16	do.	0 10 0	
3456 to 3457	Nil.					
3458	Covers, Boundary Top, No. 197 .. .. .	Vict.	6	do.	0 2 5	J. Danks & Son Pty. Ltd.
3459	" " " " No. 198 .. .. .	"	1	do.	0 8 1	} J. & T. Muir Pty. Ltd.
3460	Fittings, No. 215, with straight or oval branch, as ordered	"	4	do.	0 9 6	
	Gratings, Galvanized—					
3461	No. 24A .. .. .	"	24	do.	.. .. .	} Nil
3462	No. 61 .. .. .	"	24	do.	.. .. .	
3463	For Floor Traps .. .. .	Vict.	6	do.	0 0 9	J. & T. Muir Pty. Ltd.
3464 to 3465	Nil.					
	Pieces, Extension, Closet—					
3466	4" diameter x 9" .. .. .	Vict.	2	each	0 4 7	} J. Danks & Son Pty. Ltd.
3467	4" diameter x 12" .. .. .	"	2	do.	0 4 10	
3468 to 3478	Nil.					
	Pipe, Soil, $\frac{5}{8}$ " Metal—					
3479	3" x 6' lengths .. .. .	Vict.	2 lengths	length	0 11 0	J. Danks & Son Pty. Ltd.
3480	4" x 3' lengths .. .. .	"	7 "	do.	0 11 5	J. & T. Muir Pty. Ltd.
3481	4" x 6' lengths .. .. .	"	15 "	do.	0 15 3	J. Danks & Son Pty. Ltd.
3482	4" x 9' lengths .. .. .	"	2 "	do.	1 0 6	J. & T. Muir Pty. Ltd.
3483	4" x 3' lengths, with inspection opening ..	"	2 "	do.	0 13 11	J. Danks & Son Pty. Ltd.
3484	Nil.					
3485	Sockets, 4" diameter .. .. .	Vict.	15	each	0 2 7	J. & T. Muir Pty. Ltd.
3486	Tops, Adjustable, 2" out of 4" to 4" out of 4", as ordered	"	4	do.	0 8 9	J. Danks & Son Pty. Ltd.
3487	Nil.					
3488	Tops, Gully, square, No. 24A .. .. .	Vict.	4	do.	0 10 6	J. & T. Muir Pty. Ltd.
3489	Nil.					
3490	Traps, Floor, 2", with grating, for cast pipe ..	Vict.	2	do.	0 6 6	} J. Danks & Son Pty. Ltd.
3491	" " " " " wrought pipe ..	"	2	do.	0 8 6	
3492	Nil.					
3493	Traps, Silt, 6", with 4" outlet, with bucket and round or square grating (light), as ordered	Vict.	6	do.	1 18 6	J. Danks & Son Pty. Ltd.
3494	" Urinal, 3", with spigot ends .. .. .	"	3	do.	0 16 9	J. & T. Muir Pty. Ltd.
	LEADWARE, ETC.					
3495	Coues, No. 8 .. .. .	Vict.	84	do.	0 0 3 $\frac{1}{2}$	} J. Danks & Son Pty. Ltd.
3496	" No. 10 .. .. .	"	12	do.	0 0 5 $\frac{1}{2}$	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
<b>PLUMBERS' MATERIAL—continued.</b>						
<i>LEADWARE, ETC.—continued.</i>						
3497	Pipe, Lead, any sizes ordered .. ..	..	20 cwt.	cwt.	..	Nil
3498	} Nil.					
to						
3499	} Nil.					
to						
3500	Pipe Lead, Tin lined, heavy beer, any sizes ordered	Vict.	10 lbs.	lb.	0 0 10½	J. McIlwraith & Co. Pty. Ltd.
<i>Traps, solid drawn, with wiped trap screws—</i>						
3501	P., 1½" .. ..	..	20	each	..	Nil
3502	P., 2" .. ..	Vict.	30	do.	0 3 6	J. Danks & Son Pty. Ltd.
3503	S., 2" .. ..	..	10	do.	0 4 4	J. McIlwraith & Co. Pty. Ltd.
3504	} Nil.					
to						
3514						

**PLUMBERS' GOODS (BRASSWARE).**

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

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

<b>Brassware—</b>						
<b>Bends, plain, any angles ordered—</b>						
3515	(M) 1½" .. ..	Vict.	12	each	0 1 3½	Galliers & Klaerr Pty. Ltd.
3516	(BE) 1½" .. ..	..	2	do.	..	} Nil
3517	(BA) 1½" .. ..	..	2	do.	..	
3518	(M) 1½" .. ..	Vict.	6	do.	0 1 9	Galliers & Klaerr Pty. Ltd.
3519	(BE) 1½" .. ..	..	2	do.	..	} Nil
3520	(BA) 1½" .. ..	..	2	do.	..	
3521	(M) 2" .. ..	Vict.	12	do.	0 2 2	Galliers & Klaerr Pty. Ltd.
3522	(BE) 2" .. ..	..	6	do.	..	} Nil
3523	(BA) 2" .. ..	..	6	do.	..	
<b>Bends, with inspection opening, any angles ordered—</b>						
3524	(M) 1½" .. ..	Vict.	12	do.	0 1 9	Galliers & Klaerr Pty. Ltd.
3525	(BE) 1½" .. ..	..	2	do.	..	} Nil
3526	(BA) 1½" .. ..	..	4	do.	..	
3527	(M) 1½" .. ..	Vict.	8	do.	0 2 0	Galliers & Klaerr Pty. Ltd.
3528	(BE) 1½" .. ..	..	2	do.	..	} Nil
3529	(BA) 1½" .. ..	..	2	do.	..	
3530	(M) 2" .. ..	Vict.	40	do.	0 2 6	Galliers & Klaerr Pty. Ltd.
3531	(BE) 2" .. ..	..	6	do.	..	} Nil
3532	(BA) 2" .. ..	..	10	do.	..	
<b>Bushes—</b>						
3533	½" x ¾", gas threads .. ..	Vict.	20	do.	0 0 4	John Danks & Son Pty. Ltd.
3534	¾" x 1", gas threads .. ..	..	..	..	..	} Nil
3535	1" x 1½", gas threads .. ..	..	..	..	..	
3536	1½" x 1½", gas threads .. ..	..	..	..	..	
3537	1½" x 2", gas threads .. ..	..	..	..	..	
*3538	1" x ¾", brass threads .. ..	..	..	..	..	
<b>Caps and Linings—</b>						
3539	(M) 1½", plain .. ..	Vict.	4	each	0 1 1	Galliers & Klaerr Pty. Ltd.
3540	(BE) 1½" .. ..	..	2	do.	..	} Nil
3541	(BA) 1½" .. ..	..	2	do.	..	
3542	(M) 1½" .. ..	..	..	..	..	
3543	(BE) 1½" .. ..	..	..	..	..	
3544	(BA) 1½" .. ..	..	..	..	..	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
<b>PLUMBERS' GOODS (BRASSWARE)—continued.</b>								
	Caps and Linings— <i>continued.</i>							
3545	(M) 2", plain .. .. .	Vict.	2	each	0	1	6	Galliers & Klaerr Pty. Ltd.
3546	(BE) 2" .. .. .	..	3	do.	..	..	..	} Nil
3547	(BA) 2" .. .. .	..	3	do.	..	..	..	
3548	(M) 3" .. .. .	..	..	..	..	..	..	
3549	(M) Cocks, Ball, Automatic, ½" .. .. .	..	24	each	..	..	..	
*3550	Cocks, Ball, high or low pressure, as ordered— (M) ½", long levers, for cisterns .. .. .	Vict.	75	do.	0	4	6	Galliers & Klaerr Pty. Ltd.
*3551	(M) ¾", standard tested .. .. .	..	30	do.	0	6	9	} J. Danks & Son Pty. Ltd.
*3552	(M) 1", Croydon .. .. .	..	1	do.	0	8	0	
†3553	Cocks, Ball— (M) ½", standard tested .. .. .	..	2	do.	0	5	0	} Nil
†3554	¾", Croydon 154 .. .. .	..	2	do.	0	5	8	
3555	1", Croydon 154 .. .. .	..	..	..	..	..	..	
3556	1½", Croydon 154 .. .. .	..	..	..	..	..	..	
3557	(M) 1½", Lambert's pattern .. .. .	Vict.	2	each	1	2	6	} J. Danks & Son Pty. Ltd.
3558	(M) 1½", Lambert's pattern .. .. .	..	10	do.	1	9	0	
3559	(M) 2", Lambert's pattern .. .. .	..	5	do.	1	16	0	
3560	(M) 3", Lambert's pattern .. .. .	..	2	do.	3	10	0	
†3561	(M) Cocks, Bib, Gully, H.P., ½" .. .. .	..	..	..	..	..	..	Nil
†3562	Cocks, Range, with brass keys and nuts— ½" .. .. .	S.A.	15	each	0	1	10½	} Briscoe & Co. Ltd.
†3563	¾" .. .. .	..	200	do.	0	1	11½	
3564	1" .. .. .	..	..	..	..	..	..	
3565	Cocks, Mill, Brass— (M) "A" design to Litho. No. L.884/11 .. .. .	Vict.	12	each	2	17	0	} Davies Shephard Pty. Ltd.
3566	(M) "B" design to Blue Print No. 1090/08 .. .. .	..	8	do.	2	17	0	
3567	(M) "C" design to Blue Print No. 1090/08 .. .. .	..	..	..	..	..	..	
3568	Cocks, Ferruled, Stop, for Lead or Iron, as ordered— (M) ½", tested .. .. .	Vict.	6	each	0	2	6	J. McIlwraith & Co. Pty. Ltd.
*3569	(M) ¾", medium .. .. .	..	2	do.	..	..	..	Nil
3570	(M) ¾", .. .. .	Vict.	6	do.	0	4	1	J. McIlwraith & Co. Pty. Ltd.
*3571	(M) ¾", medium .. .. .	..	2	do.	..	..	..	Nil
3572	(M) 1" .. .. .	Vict.	4	do.	0	8	3	Galliers & Klaerr Pty. Ltd.
3573	(M) Over 1", as ordered .. .. .	..	40 lb.	lb.	0	2	6	} J. McIlwraith & Co. Pty. Ltd.
3574	Cocks, Fullway, H. P.— (M) ½" .. .. .	..	15	each	0	1	7½	
3575	(M) ¾" .. .. .	..	7	do.	0	3	0½	} W. Adams & Co. Ltd.
3576	(M) 1" .. .. .	..	40	do.	0	5	4	
3577	(M) 1½" .. .. .	..	6	do.	0	8	0	} J. Danks & Son Pty. Ltd.
3578	(BE) 1½", f.o.r. Bendigo .. .. .	..	2	do.	0	8	6	
3579	(BA) 1½", f.o.r. Ballarat .. .. .	..	2	do.	0	8	6	} J. Danks & Son Pty. Ltd.
3580	(M) 1½" .. .. .	..	10	do.	0	9	3	
3581	(M) 2" .. .. .	..	7	do.	0	12	3	} J. McIlwraith & Co. Pty. Ltd.
3582	(M) 3", brass gate valves .. .. .	..	2	do.	1	19	0	
†3583	Cocks, Stop, with Unions, H. P.— (M) ½" .. .. .	..	100	do.	0	2	6	Currie & Richards Pty. Ltd.
3584	(BE) ½", f.o.r. Bendigo .. .. .	..	6	do.	0	3	2	} J. Danks & Son Pty. Ltd.
3585	(BA) ½", f.o.r. Ballarat .. .. .	..	6	do.	0	3	2	
†3586	(M) Cocks, Toilet, Nickelplated, H.P., ½" .. .. .	..	1	do.	0	4	9	Galliers & Klaerr Pty. Ltd.
†3587	Cocks, Bib or Stop, Nickelplated, H.P., labelled Hot or Cold, as ordered, for Iron— (M) ½" .. .. .	..	6	do.	0	3	9	McPherson's Pty. Ltd.
†3588	(M) ¾" .. .. .	..	6	do.	0	6	0	} J. Danks & Son Pty. Ltd.
†3589	Cocks, Water, H.P., Bib or Stop, for Lead or Iron, as ordered— (M) ½" .. .. .	..	100	do.	0	1	8	
3590	(BE) ½", f.o.r. Bendigo .. .. .	..	2	do.	0	2	0	} Nil
3591	(BA) ½", f.o.r. Ballarat .. .. .	..	6	do.	0	2	0	
*3592	(M) ¾" .. .. .	..	..	..	..	..	..	} Galliers & Klaerr Pty. Ltd.
†3593	(M) ¾" .. .. .	Vict.	100	each	0	3	3	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
<b>PLUMBERS' GOODS (BRASSWARE)—continued.</b>								
Cocks, Water, H.P., &c.— <i>continued.</i>								
3594	(BE) $\frac{3}{4}$ " .. .. .	..	3	each	..	..	..	} Nil
3595	(BA) $\frac{3}{4}$ " .. .. .	..	6	do.	..	..	..	
*3596	$\frac{3}{4}$ " .. .. .	..	..	..	..	..	..	} Galliers & Klaerr Pty. Ltd.
†3597	(M) 1" .. .. .	Vict.	12	each	0	5	6	
3598	(BE) 1" .. .. .	..	2	do.	..	..	..	} Nil
3599	(BA) 1" .. .. .	..	2	do.	..	..	..	
*3600	1" .. .. .	..	..	..	..	..	..	} J. Danks & Son Pty. Ltd.
†3601	(M) Over 1", as ordered	Vict.	24 lb.	lb.	0	2	9	
Connexions, Lead to Iron—								
3602	(M) $1\frac{1}{4}$ " .. .. .	..	12	each	0	2	3	J. McIlwraith & Co. Pty. Ltd.
3603	(M) $1\frac{1}{2}$ " .. .. .	..	6	do.	0	3	0	Galliers & Klaerr Pty. Ltd.
3604	(M) 2", Sewerage .. .. .	..	24	do.	0	3	9	J. Danks & Son Pty. Ltd.
3605	(M) 3" .. .. .	..	2	do.	..	..	..	Nil
*3606	Couplings or Unions, except Fire Hose Couplings, any sizes and threads ordered	Vict.	150 lb.	lb.	0	2	11	J. Danks & Son Pty. Ltd.
3607	Directors, Water, with nozzles only, $\frac{1}{2}$ " .. .. .	..	..	each	0	0	9 $\frac{1}{2}$	Hardware Co. of Aust. Pty. Ltd.
3607A	" " " " " $\frac{3}{4}$ " .. .. .	..	50	do.	0	1	2	J. Danks & Son Pty. Ltd.
3607B	" " " " " 1" .. .. .	..	..	do.	0	2	6	Galliers & Klaerr Pty. Ltd.
*3608	" " Fire Brigade pattern, any sizes and threads ordered	..	5	do.	..	..	..	Nil
*3609	Elbows, Brass, 1" brass threads .. .. .	Vict.	25	do.	0	1	1	J. Danks & Son Pty. Ltd.
Ferrules, Straight Union, for Lead or Iron, as ordered—								
3610	(M) $\frac{1}{2}$ " .. .. .	..	6	do.	0	1	2	} J. McIlwraith & Co. Pty. Ltd.
3611	(M) $\frac{3}{4}$ " .. .. .	..	12	do.	0	1	10	
3612	(M) 1" .. .. .	..	2	do.	0	4	3	} J. Danks & Son Pty. Ltd.
†3613	(M) Over 1", as ordered	..	10 lb.	lb.	0	2	9	
*3614	Gratings, Urinal, Brass .. .. .	..	9	each	0	7	6	Ltd.
Junctions, any angles ordered—								
3615	(M) $1\frac{1}{4}$ " x $1\frac{1}{4}$ ", plain .. .. .	..	4	do.	0	2	3	} Galliers & Klaerr Pty. Ltd.
3616	(M) $1\frac{1}{4}$ " x $1\frac{1}{4}$ ", with inspection opening .. .. .	..	4	do.	0	2	9	
3617	(BE) $1\frac{1}{4}$ " x $1\frac{1}{4}$ ", with inspection opening .. .. .	..	3	do.	..	..	..	} Nil
3618	(BA) $1\frac{1}{4}$ " x $1\frac{1}{4}$ ", with inspection opening .. .. .	..	6	do.	..	..	..	
3619	(M) $1\frac{1}{2}$ " x $1\frac{1}{2}$ ", plain .. .. .	..	..	..	..	..	..	} Nil
3620	(BE) $1\frac{1}{2}$ " x $1\frac{1}{2}$ ", plain .. .. .	..	..	..	..	..	..	
3621	(BA) $1\frac{1}{2}$ " x $1\frac{1}{2}$ ", plain .. .. .	..	..	..	..	..	..	
3622	(M) $1\frac{1}{2}$ " x $1\frac{1}{2}$ ", with inspection opening .. .. .	..	..	..	..	..	..	
3623	(BE) $1\frac{1}{2}$ " x $1\frac{1}{2}$ ", with inspection opening .. .. .	..	..	..	..	..	..	
3624	(BA) $1\frac{1}{2}$ " x $1\frac{1}{2}$ ", with inspection opening .. .. .	..	..	..	..	..	..	
3625	(M) $1\frac{1}{2}$ " x $1\frac{1}{2}$ ", plain .. .. .	..	..	..	..	..	..	
3626	(BE) $1\frac{1}{2}$ " x $1\frac{1}{2}$ ", plain .. .. .	..	..	..	..	..	..	
3627	(BA) $1\frac{1}{2}$ " x $1\frac{1}{2}$ ", plain .. .. .	..	..	..	..	..	..	
3628	(M) $1\frac{1}{2}$ " x $1\frac{1}{2}$ ", with inspection opening .. .. .	..	..	..	..	..	..	
3629	(BE) $1\frac{1}{2}$ " x $1\frac{1}{2}$ ", with inspection opening .. .. .	..	..	..	..	..	..	
3630	(BA) $1\frac{1}{2}$ " x $1\frac{1}{2}$ ", with inspection opening .. .. .	..	..	..	..	..	..	
3631	(M) 2" x $1\frac{1}{2}$ ", plain .. .. .	..	..	..	..	..	..	
3632	(M) 2" x $1\frac{1}{2}$ ", with inspection opening .. .. .	..	..	..	..	..	..	
3633	(M) 2" x $1\frac{1}{2}$ ", plain .. .. .	..	..	..	..	..	..	
3634	(BE) 2" x $1\frac{1}{2}$ ", plain .. .. .	..	..	..	..	..	..	
3635	(BA) 2" x $1\frac{1}{2}$ ", plain .. .. .	..	..	..	..	..	..	
3636	(M) 2" x $1\frac{1}{2}$ ", with inspection opening .. .. .	..	..	..	..	..	..	
3637	(BE) 2" x $1\frac{1}{2}$ ", with inspection opening .. .. .	..	..	..	..	..	..	
3638	(BA) 2" x $1\frac{1}{2}$ ", with inspection opening .. .. .	..	..	..	..	..	..	
3639	(M) 2" x 2", plain .. .. .	..	..	..	..	..	..	
3640	(BE) 2" x 2", plain .. .. .	..	..	..	..	..	..	
3641	(BA) 2" x 2", plain .. .. .	..	..	..	..	..	..	
3642	(M) 2" x 2", with inspection opening .. .. .	..	..	..	..	..	..	
3643	(BE) 2" x 2", with inspection opening .. .. .	..	..	..	..	..	..	
3644	(BA) 2" x 2", with inspection opening .. .. .	..	..	..	..	..	..	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
<b>PLUMBERS' GOODS (BRASSWARE)—continued.</b>						
	<b>Nipples—</b>					
3645	½", Plain .. .. .	Vict.	35	each	0 0 3½	J. Danks & Son Pty. Ltd.
3645A	½", Hexagon .. .. .	"	20	do.	0 0 6	
3646	¾", Plain .. .. .	"	3	do.	0 0 6	
3646A	¾", Hexagon .. .. .	"	3	do.	0 0 8	
	<b>Nuts, Rings and Tails, in sets—</b>					
*3647	½" .. .. .	"	9 sets	set	0 0 10	Galliers & Klaerr Pty. Ltd.
*3648	¾" .. .. .	"	40 "	do.	0 1 1	
*3649	1" .. .. .	"	6 "	do.	0 1 8	
3650	(M) Pieces, Extension, 2" diameter, any lengths ordered	"	50 in.	inch	0 0 5	Galliers & Klaerr Pty. Ltd.
	<b>Plugs, Brass, long taper—</b>					
3651	½" .. .. .	"	6	each	0 0 5	J. Danks & Son Pty. Ltd.
3652	¾" .. .. .	"	8	do.	0 0 8	Davies Shephard Pty. Ltd.
3653	1" .. .. .	"	10	do.	0 0 10	
*3654	(M) Plugs and Washers, round or square, any sizes, as ordered†	"	..	..	..	Nil
3655	(M) Plugs and Washers, bath, fullway, 2", screwed.	Vict.	6	each	0 4 3	Galliers & Klaerr Pty. Ltd.
3656	Rings, Hose, ½" .. .. .	"	2	do.	0 0 3	J. Danks & Son Pty. Ltd.
3657	" " ¾" .. .. .	"	30	do.	0 0 4	
3658	" " 1" .. .. .	"	6	do.	0 0 9	
	<b>Sleeves, Beaded—</b>					
3659	(M) 3" .. .. .	"	..	..	..	Nil
3660	(M) 4" .. .. .	"	..	..	..	Nil
*3661	Spargers, Urinal, Brass, ¾", brass threads	Vict.	12	each	0 1 7	J. Danks & Son Pty. Ltd.
3662	Tail, Cistern, Brass reducing, screwed for 1" gas thread	"	12	do.	..	Nil
*3663	Tees, Brass, 1", brass threads	Vict.	15	do.	0 1 3	J. Danks & Son Pty. Ltd.
*3664	Tees, Brass, Reducing, 1½" x 1", 1" gas thread and 1" brass thread	"	6	do.	..	Nil
	<b>Traps, with trap screw—</b>					
3665	(M) P., 2" .. .. .	Vict.	6	do.	0 5 0	Galliers & Klaerr Pty. Ltd.
3666	(BE) P., 2" .. .. .	"	3	do.	..	Nil
3667	(BA) P., 2" .. .. .	"	10	do.	..	Nil
3668	(M) S., 2" .. .. .	Vict.	2	do.	0 6 0	Galliers & Klaerr Pty. Ltd.
3669	(M) P., 1½" .. .. .	"	1	do.	0 3 6	Nil
3670	(BE) P., 1½" .. .. .	"	..	..	..	Nil
3671	(M) S., 1½" .. .. .	"	..	..	..	Nil
3672	(BE) P., 1½" .. .. .	"	2	each	..	Nil
	<b>Tube, Brass, Solid Drawn, 16 gauge—</b>					
3673	¾" .. .. .	"	25 lb.	lb.	..	Nil
3674	1" .. .. .	"	60 "	do.	..	See Items 1757, 1760, and 1762
3675	1½" .. .. .	"	15 "	do.	..	
	<b>Tube, Copper, Solid Drawn, 16 gauge—</b>					
3676	¾" .. .. .	Vict.	90 lin. ft.	lin. ft.	0 0 9½	Currie & Richards Pty. Ltd.
3677	1" .. .. .	"	140 "	do.	0 1 2	
3678	1½" .. .. .	"	70 "	do.	0 1 5	
*3679	Unions, Brass Barrel, 1", M. and F., brass threads	"	6	each	0 1 9	J. Danks & Son Pty. Ltd.
	<b>Unions, Royle's Pattern, without rubbers—</b>					
3680	½" .. .. .	"	6	do.	0 0 7	Hardware Co. of Aust. Pty. Ltd.
3681	¾" .. .. .	"	9	do.	0 1 0	
3682	1" .. .. .	"	..	..	..	Nil
	<b>Valves, Flap, for lead or iron, as ordered—</b>					
3683	(M) 1½" .. .. .	Vict.	4	each	0 1 9	Galliers & Klaerr Pty. Ltd.
3684	(BE) 1½" .. .. .	"	2	do.	..	Nil
3685	(BA) 1½" .. .. .	"	2	do.	..	
3686	(M) 2" .. .. .	Vict.	4	each	0 2 0	Galliers & Klaerr Pty. Ltd.
3687	(BE) 2" .. .. .	"	..	..	..	Nil
3688	(BA) 2" .. .. .	"	..	..	..	
	<b>Valves, Steam, "Jenkins," renewable disc type—</b>					
3689	½" .. .. .	"	40	each	..	Nil
3690	¾" .. .. .	"	10	do.	..	
3691	1" .. .. .	"	12	do.	..	
3692	1½" .. .. .	"	2	do.	..	
3693	1" .. .. .	"	6	do.	..	
3694	2" .. .. .	"	2	do.	..	
3695	2½" .. .. .	"	..	..	..	



WIRE, WIRE WORK, ETC.

The sample exhibited by the Corporation for Item No. 3800 is for description only. Nets shall be made from hard drawn bright iron wire, 14 B.W.G., free from rust and scale, one edge to be arranged to fit around  $\frac{3}{8}$ " diameter Tubing (tube not required). The other edge and both ends to be formed of  $\frac{3}{8}$ " diameter wire. Standard mesh to be woven. Nets shall be formed to suit brackets in accordance with sample. No tinning required.

\* Plus ruling rate of T.T. Exchange on date of delivery on 80 per cent.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
WIRE.						
Wire, Brass, Hard or Soft Rolled, as ordered— " S. Cooke Pty. Ltd."—						
3741	6 gauge .. .. .	Vict.	896 lb.	lb.	0 0 11 $\frac{1}{4}$	E. Duckett & Sons
3742	7 " .. .. .	"	25 "	do.	0 1 0	
3743	8 " .. .. .	"	5 "	do.	0 0 10 $\frac{1}{4}$	
3744	10 " .. .. .	"	5 "	do.	0 1 0 $\frac{3}{4}$	
3745	11 " .. .. .	"	7 "	do.	0 1 0 $\frac{7}{8}$	
3746	12 " .. .. .	"	100 "	do.	0 1 1	
3747	13 " .. .. .	"	3 "	do.	0 1 1 $\frac{1}{4}$	
3748	14 " .. .. .	"	7 "	do.	0 1 1 $\frac{3}{4}$	
3749	16 " .. .. .	"	20 "	do.	0 1 3	
3750	$\frac{1}{4}$ " .. .. .	"	24 cwt.	do.	0 0 11 $\frac{1}{4}$	
Wire, Phosphor, Bronze—Hard or Soft Rolled, as ordered—						
3751	9 gauge .. .. .	"	75 lb.	do.	..	Nil
3752	11 " .. .. .	"	25 "	do.	..	
3753	13 " .. .. .	"	14 "	do.	..	
3754	18 " .. .. .	"	7 "	do.	..	
3755 to 3756	Nil					
Wire, Copper—Soft Rolled, "Metal Manufacturers Ltd." or "S. Cooke"—						
3757	$\frac{1}{4}$ " .. .. .	Vict. or N.S.W.	450 "	do.	0 1 0 $\frac{3}{16}$	E. Duckett & Sons
3758	14 gauge .. .. .	"	200 "	do.	0 1 0 $\frac{11}{16}$	
3759	16 " .. .. .	"	480 "	do.	0 1 0 $\frac{11}{16}$	
3760	18 " .. .. .	"	420 "	do.	0 1 1 $\frac{3}{16}$	
3761	19 " .. .. .	"	12 "	do.	0 1 1 $\frac{3}{16}$	
3762	20 " .. .. .	"	4 "	do.	0 1 1 $\frac{3}{16}$	
3763 to 3765	Nil.					
Wire, Spring Steel, Hard Drawn—						
3766	2 gauge .. .. .	U.K.	10 "	do.	*0 1 3	Melbourne Wire Works
3767	5 " .. .. .	"	250 "	do.	*0 1 0	
3768	6 " .. .. .	"	250 "	do.	*0 1 0	
3769	7 " .. .. .	"	7 "	do.	*0 1 0	
3770	10 " .. .. .	"	6 "	do.	*0 1 0	
3771	14 " .. .. .	"	7 "	do.	*0 1 0	
3772	16 " .. .. .	"	25 "	do.	*0 1 0	
3773	18 " .. .. .	"	2 "	do.	*0 1 0	
3774 to 3776	Nil.					
Wire, Steel, Music, Hard or Soft Tempered, "Jonas & Colver." (Novo)—						
3777	10 gauge .. .. .	"	70 "	do.	*0 1 3	Gilbert Lodge & Co. Ltd.
3778	11 " .. .. .	"	10 "	do.	*0 1 3	
3779	12 " .. .. .	"	60 "	do.	*0 1 3	
3780	13 " .. .. .	"	14 "	do.	*0 1 3	
3781	14 " .. .. .	"	20 "	do.	*0 1 3	
3782	15 " .. .. .	"	150 "	do.	*0 1 8	
3783	16 " .. .. .	"	7 "	do.	*0 1 8	
3784	18 " .. .. .	"	75 "	do.	*0 2 0	
3785	19 " .. .. .	"	10 "	do.	*0 2 2	
3786	20 " .. .. .	"	30 "	do.	*0 2 2	
3787	21 " .. .. .	"	5 "	do.	*0 2 5	
3788	23 " .. .. .	"	7 "	do.	*0 3 1	
3789	24 " .. .. .	"	7 "	do.	*0 3 0	
3790 to 3791	Nil.					

Item No.	Description:	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
WIRE, WIRE WORK, ETC.—continued.						
WIRE WORK, ETC.						
*3792	Fasteners, Dropper, Fencing . . . . .	Vict.	100 cwt.	cwt.	0 17 6	Commonwealth Barbed Wire Nail Works Pty. Ltd.
*3793	Gauze, Brass, any gauges and meshes-ordered Grips, Spring—	„	1,500 sq. ft.	sq. ft.	0 1 2	Melbourne Wire Works
*3794	A .. .. .	N.S.W.	50 gross	gross	0 8 3	} F.R.S. Ideal Spring Co. Ltd.
*3795	W .. .. .	„	50 „	gross	0 4 0	
3796	Nil.					
Guards—						
*3797	Galvanized Wire, for Booking Windows ..	Vict.	100 sq. ft.	sq. ft.	0 3 3	} Peter Young
*3798	Brass Wire, for Booking Windows ..	„	12 „	do.	0 4 6	
†3799	Mattresses, Wire; 6' 6" x 2' 6" x 3 ply ..	„	10	each	..	Nil
*3800	Nets, Carriage, Hat .. .. .	Vict.	150 sq. ft.	sq. ft.	0 2 0	Greer & Ashburner
†3801	Net, Galvanized, for Window Screens, $\frac{1}{16}$ " mesh, 26 gauge	„	7,000 „	do.	0 0 3½	} Melbourne Wire Works
3801A	Net, Bronze, for Window Screens, $\frac{1}{16}$ " mesh, 26 gauge	„	1,000 „	do.	0 1 0	
3802	Sieves, Brass, $\frac{1}{4}$ " mesh or less, and any sizes and meshes ordered	„	200 ins.	per 1" dia.	0 0 8½	Peter Young.
3803	„ Iron, 22" diameter, $\frac{1}{8}$ ", $\frac{1}{4}$ ", or $\frac{1}{2}$ " mesh, as ordered	„	600 „	do.	..	} Nil
3804	„ Iron, 24" diameter x 1" mesh, 12 gauge	„	2	each	..	
Springs, Steel, Black—						
*3805	9" x 9 gauge (half) .. .. .	N.S.W.	7 gross	gross	1 9 0	} F.R.S. Ideal Spring Co. Ltd.
*3806	7" x 11 gauge (half) .. .. .	„	10 „	do.	0 17 6	
*3807	6" x 12 gauge (full) .. .. .	„	10 „	do.	0 13 0	
*3808	6" x 11 gauge (half) .. .. .	„	10 „	do.	0 15 0	
*3809	4" x 11 gauge (half) .. .. .	„	5 „	do.	0 12 0	
*3810	5" x 11 gauge (half) .. .. .	„	5 „	do.	0 13 0	
*3811	5" x 14 gauge (full) .. .. .	„	15 „	do.	0 9 6	
3812	Nil	„	..	..	..	
Wires, Galvanized Iron, in bundles of 250, for Gerrard Wire Tying Machine—						
3813	2' 6" No. 2 Grade .. .. .	„	12 b'dles.	bundle of 250	..	} Nil
3814	4' .. .. .	„	6 „	do.	..	
3815	5' .. .. .	„	40 „	do.	..	
*3816	Wires for tying on labels, 9" .. .. .	„	500,000	1,000	..	
3817	Gates, Black Iron, tubular frame, 1 inch internal diameter, 8 feet wide hung, folding in two leaves, 5 ft. and 3 ft., 3 ft. 10 in. high, with galvanized chain wire filling, 13 gauge $\frac{1}{2}$ in. mesh, each mesh of chain wire to be properly tied on to frame and not laced; with all fittings complete; Gate to be painted one coat in colour of Battleship Grey.	Vict.	5 sets	set	2 3 0	} Melbourne Wire Works
	Netting, Galvanized, Chain Wire, double knuckled—					
†3818	In widths of 3 ft. or 3 ft. 6 in., as ordered, $\frac{1}{2}$ -in. mesh x 12 gauge	„	220 sq. yds.	sq. yd.	0 1 2	
†3819	Up to 6 ft. wide, as ordered, 2-in. mesh x 8 gauge	„	6 „	do.	..	Nil
†3820	Up to 6-ft. wide as ordered, 2-in. mesh x 12 gauge	Vict.	72 „	do.	0 1 0	Melbourne Wire Works
Netting, Galvanized, any widths ordered; "Lysaghts"—						
3821	$\frac{1}{2}$ " mesh x 20 gauge .. .. .	N.S.W.	400 „	do.	0 0 8	} E. Duckett & Sons
3822	$\frac{1}{2}$ " mesh x 16 gauge .. .. .	„	3,000 „	do.	0 0 6½	
3823	Netting, Galvanized; 17 gauge— 1½" x 36" wide .. .. .	„	150 l. yds.	l. yd.	0 0 5½	
3824	1½" x 42" wide .. .. .	„	50 „	„	0 0 5	
†3825	Wire, Woven, Mild Steel, 2½ holes per inch 3' wide, No. 9 S.W.G.	„	lin. ft.	lin. ft.	..	Nil
3826	} Nil					
to						
3836						



MILD STEEL REINFORCING BARS AND STEEL FABRIC:  
SPECIFICATION FOR *Items Nos. 3837 and 3838.*

The Mild Steel Reinforcing Bars shall be supplied in lengths not less than 18 feet, and shall comply with the Australian Commonwealth Engineering Standards Association's Specification A.1/1928. Perfect symmetry of section, however, is not required, but the Bars must possess full cross-sectional areas corresponding to a circle of the diameter specified! The Bars shall be delivered free from loose scale or loose rust, and shall not be oiled, tarred, greased, painted, or otherwise coated.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
3837	Mild Steel Reinforcing Bars— ½" .. .. .	Vict. or N.S.W.	5 tons	ton	14 0 0	E. Duckett & Sons
3838	¾" .. .. .	"	5 "	do.	12 0 0	
†3839	Fabric, Steel, Wire, in rolls or sheets, 87" wide, with No. 10 gauge wire, 6" centre to centre transversely, and 6" centre to centre longitudinally,	Vict.	500 l. yds.	lin. yd.	0 1 9	Rocla Ltd.
3840 to 3841	Nil					

MOTOR ACCESSORIES AND BALL BEARINGS.

As regards Items Nos. 3857, Carburetters, and 3878, Magnetos, these are required for use in connexion with the manufacture of locally-built engines, and the Corporation will furnish statutory declarations within a reasonable period, not likely to exceed six months, that the articles have been so fitted, or, if not so used, will reimburse the Contractor the amount of Customs duty paid. (Item No. 3857, 15s. each.) The Contract rates are exclusive of Customs duty.

\* Items Nos. 3842-3850A and 3870 are exclusive of T.T. Exchange, and are based on the par rate of exchange between London and the country of manufacture. Payment will be made in Melbourne within 30 days of delivery to the satisfaction of the Comptroller of Stores and the Contract rate for any material delivered will be adjusted, calculated on the ruling rate of exchange on the date of delivery, between London and the country aforementioned calculated on 80 per cent. of the Contract rate, and the Corporation will pay exchange at the published bank rate of T.T. transfer between Australia and London on the date of delivery on 80 per cent. of the amended Contract rate.

\* Items Nos. 3851, 3852, 3857, 3859, 3860, 3863, 3873-3875, 3879-3882, 3906, plus ruling rate of T.T. Exchange on date of delivery on 80 per cent.

As regards Items Nos. 3854, 3871, 3878, 3910, and 3912, the rates are firm with respect to exchange and conversion.

As regards Item No. 3876 the rate includes exchange at 25 per cent., any variation to be to the Corporation account on any orders placed after the expiration of a period of two months from date of such alteration.

As regards Ball Bearings, Items Nos. 3842-3850A, provided satisfactory service is rendered, orders are to be placed with W. Bockli. Time for delivery to be allowed to import stocks to meet initial orders. It is anticipated that the S.R.O. Bearings will be suitable for requirements, and certificate of Head of Branch must be obtained before placing orders with S.K.F. Co. on the score of quality.

In the event of standard discount for S.K.F. Bearings or "Raybestos" Brake Lining being increased during Contract period, the Contract rates shall be amended accordingly—to apply to all undelivered and future orders at date of such alteration.

ITEM No. 3876.—PRICE LIST for "RAYBESTOS" BRAKE LINING PER LINEAL FOOT.

Width. Inches.	Thickness.					
	½"	⅝"	¾"	1"	1 1/8"	1 1/4"
	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
1"	0 10	1 0	1 1	1 5 1/2	1 8 1/2	2 2
1 1/8"	0 11 1/2	1 1	1 2 1/2			
1 1/4"	1 0 1/2	1 2 1/2	1 4	1 9 1/2	2 1 1/2	2 8
1 3/8"	1 2 1/2	1 5	1 7	2 1	2 6 1/2	3 1 1/2
1 1/2"	1 5	1 7 1/2	1 10	2 5	3 0	3 8
2"	1 7	1 10	2 1	2 9	3 5	4 1 1/2
2 1/8"	1 9 1/2	2 0 1/2	2 4	3 1	3 10 1/2	4 7 1/2
2 1/4"	1 11 1/2	2 3 1/2	2 7	3 5	4 3 1/2	5 1 1/2
2 3/8"	2 2	2 6	2 10	3 8 1/2	4 9	5 7 1/2
3"	2 4	2 8 1/2	3 1	4 0 1/2	5 2	6 1 1/2
3 1/8"	2 6 1/2	2 11	3 4	4 4 1/2	5 7	6 7
3 1/4"	2 8 1/2	3 1 1/2	3 7	4 8	6 0 1/2	7 1
3 3/8"	2 11	3 5	3 9 1/2	5 0	6 5 1/2	7 7
4"	3 1	3 6 1/2	4 0 1/2	5 4	6 11	8 1
4 1/8"	3 3 1/2	3 9	4 3 1/2	5 8	7 4	8 7
4 1/4"	3 5 1/2	3 11 1/2	4 6 1/2	6 0	7 9	9 1
4 3/8"	3 8	4 2 1/2	4 9 1/2	6 3 1/2	8 2 1/2	9 7
5"	3 10	4 5	5 0 1/2	6 7 1/2	8 7 1/2	10 1
5 1/8"	4 2 1/2	4 10	5 6 1/2	7 3	9 6	11 3
6"	4 7	5 3	6 0 1/2	7 11	10 4 1/2	12 0 1/2

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
<b>MOTOR ACCESSORIES AND BALL BEARINGS—continued.</b>								
3842	Ball Bearings— S.R.O., 1204s	Switzerland	200	each	*0	2	0	W. Bockli S.K.F. Ball Bearing Co. Ltd.
3842A	S.K.F., 1204	Sweden		do.	*0	3	6	
3843	S.R.O., 1304s	Switzerland	100	do.	*0	2	3	W. Bockli S.K.F. Ball Bearing Co. Ltd.
3843A	S.K.F., 1304	Sweden		do.	*0	4	0	
3844	S.R.O., 1307s	Switzerland	100	do.	*0	4	6	W. Bockli S.K.F. Ball Bearing Co. Ltd.
3844A	S.K.F., 1307	Sweden		do.	*0	8	1	
3845	S.R.O., 1308s	Switzerland	100	do.	*0	5	8	W. Bockli S.K.F. Ball Bearing Co. Ltd.
3845A	S.K.F., 1308A	Sweden		do.	*0	10	2	
3846	S.R.O., 4204	Switzerland	60	do.	*0	1	5	W. Bockli S.K.F. Ball Bearing Co. Ltd.
3846A	S.K.F., 6204	Sweden		do.	*0	3	0	
3847	S.R.O., 4205	Switzerland	100	do.	*0	1	10	W. Bockli S.K.F. Ball Bearing Co. Ltd.
3847A	S.K.F., 6205	Sweden		do.	*0	3	4	
3848	S.R.O., 4206	Switzerland	50	do.	*0	2	3	W. Bockli S.K.F. Ball Bearing Co. Ltd.
3848A	S.K.F., 6206	Sweden		do.	*0	4	0	
3849	S.R.O., 4209	Switzerland	100	do.	*0	3	11	W. Bockli S.K.F. Ball Bearing Co. Ltd.
3849A	S.K.F., 6209	Sweden		do.	*0	7	0	
3850	S.R.O., 4304	Switzerland	100	do.	*0	1	10	W. Bockli S.K.F. Ball Bearing Co. Ltd.
3850A	S.K.F., 6304	Sweden		do.	*0	3	0	
3851	Bearings, Flexible Roller— 3½" outside diameter, 1⅞" inside diameter, "Pollard" No. 19250	U.K.	25	do.	*0	16	2	Gardner, Waern & Co. Pty. Ltd.
3852	2⅞" outside diameter, 1¼" inside diameter, "Pollard" No. 18195	"	200	do.	*0	10	8	
†3853	Belting, Motor, Rubber covered, ⅞" wide x ⅞" thick, "V" section 10 to 12 ply, any lengths ordered up to 60'	Vict. (partly)	2,000 feet	foot	0	1	2½	Dunlop-Perdriau Rubber Co. Ltd.
*3854	Blades, Vibrator, with Tungson points	U.S.A.	36	pair	0	0	10½	W. L. Buckland Pty. Ltd.
3855	Brushes, Carbon, for Make and Breaks— "Lucas"	Vict.	4	each	0	0	6	
3856	Brushes, Carbon, for Brush Holders— "Lucas"	"	4	do.	0	0	6	A. G. Healing Ltd.
3857	Carburetters— Single Cylinder Engines, "Amal" type..	U.K.	22	do.	*1	14	6	
3858	Chain, Magneto	"	12 feet	55 links	..	..	..	Nil A. G. Healing Ltd.
3859	Control Lever, Bowden, Single, for Magneto Fasteners, Belt—	U.K.	13	each	*0	4	6	
†3860	For ⅞" wide x ⅞" Rubber Belting, "King Dick"	"	25 doz.	dozen	*0	11	9	
†3861	" Jackson's," Plate and Button, Type "D"	"	8	do.	..	..	..	Nil A. G. Healing Ltd.
*3862	Floats, Carburetter, "Holley"	"	6	do.	..	..	..	
*3863	" " " " " Solex"	U.K.	1	do.	*2	8	0	
*3864	Gaskets, Cylinder— For "K" Motors	"	45	each	..	..	..	Nil
*3865	For "S" Motors	"	10	do.	..	..	..	
*3866	For "K.S." Motors	"	10	do.	..	..	..	
*3867	Gaskets, Induction— For "S" Motors	"	25	do.	..	..	..	
*3868	For "K" Motors	"	75	do.	..	..	..	
*3869	For "K.S." Motors	"	10	do.	..	..	..	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
<b>MOTOR ACCESSORIES AND BALL BEARINGS—continued.</b>						
†3870	Goggles, Motor, Dust .. .. .	France	600 pairs	doz.	*0 9 0	} Coles & Garrard Pty. Ltd.
*3871	„ Industrial, Special Ground ..	France & Vict.	250 „	do.	1 16 0	
*3872	Greasers, "Rotherham" K. 27, or any suitable alternative (1/8" Gas Thread)	..	200	each	..	Nil
Jets, for Carburetters—						
*3873	"B." and "B.", Nos. 85 to 110, as ordered	U.K.	7	do.	*0 0 6	} A. G. Healing Ltd.
*3874	"Solex," Nos. 80 and 85, as ordered ..	„	5	do.	*0 2 0	
*3875	"Amal," Nos. 80 to 100, as ordered ..	„	4	do.	*0 0 6	
Lining, Brake, Woven—						
†3876	"Raybestos," any sizes ordered, as shown in Price List above	U.K.	250 lb.	foot	15%	W. L. Buckland Pty. Ltd.
3877	Nil.					
3878	Magnetos, High Tension, "Lucas" type, for 4-h.p. single-cylinder locally-made engines anti-clock Bowden control	U.K.	12	each	3 16 8	Lucas Sales & Service Pty. Ltd.
†3879	Paste, "Carborundum," fine, 1-lb. tins	„	45 lb.	lb.	*0 2 9	} Eliza Tinsley Pty. Ltd.
†3880	„ „ „ in tubes	„	50 tubes	tube	*0 1 0 1/2	
†3881	„ „ coarse, in 1 1/4-oz. tubes	„	80 tubes	do.	*0 1 0 1/2	
†3882	„ „ „ 1-lb. tins	„	40 lb.	lb.	*0 2 9	
Plugs, Sparking, Various—						
†3883	Metric. Standard .. .. .	Vict.	} 80 doz.	each	0 2 0	} Pyrox Pty. Ltd.
†3884	„ Long Body .. .. .	„		do.	0 2 0	
†3885	1/2" Taper (Ford) .. .. .	„		do.	0 2 0	
†3886	3/8" S.A.E. Standard, Small Hexagon ..	„		do.	0 2 0	
†3887	„ „ „ Large Hexagon .. .. .	„		do.	0 2 0	
†3888	„ „ „ Long Reach, Small Hexagon ..	„		do.	0 2 0	
†3889	„ „ „ Large Hexagon .. .. .	„		do.	0 2 0	
3890	Points, Platinum, for "Lucas" Magnetos ..	„		} 30 pairs	pair	
3891	„ „ „ Large "M.L." Magnetos	„	do.		0 8 6	
3892	„ „ „ Small Bosch Magnetos	„	do.		0 8 6	
†3893	Punches, Motor Belt .. .. .	..	30	each	..	} Nil
*3894	„ „ Belt, for use with Item 3861 .. ..	..	10	do.	..	
*3895	Rims for 3/4" Motor Tricycle Belts 16" x 2 1/4" x 1"	..	3	do.	..	
*3896	Rims, flange, for Split Pulleys .. .. .	..	100	do.	..	
†3897	Spanners, Type "C.D." for Type "D" Fastener, under Item 3861.	..	1 doz.	doz.	..	
Springs, Valve—						
*3898	J.A.P. Engines .. .. .	Vict.	180	each	0 0 5	} Henderson's Federal Spring Works Pty. Ltd.
*3899	F.M. Twin Opposed Engines .. .. .	„	20	do.	0 0 5	
*3900	Springs, Belt, tension, "K," 12" long ..	„	10	do.	0 2 6	} Nil
*3901	„ „ „ "K.S," 7" long .. .. .	„	20	do.	..	
*3902	„ „ „ Seat 15/32" internal x 4" long .. ..	„	54	do.	..	
*3903	„ „ „ Slide 13/32" internal x 1" long .. ..	Vict.	180	do.	0 0 5	} Henderson's Federal Spring Works Pty. Ltd.
*3904	„ „ „ Cylinder Link, 1 1/8" x 1 3/4" .. ..	„	12	do.	0 0 5	
*3905	„ „ „ Control, 13/32" internal dia. x 1 1/4" long	..	42	do.	..	Nil
3906	Tubing, Bicycle, Steel Bright, 1 1/4 x 16 gauge,	U.K.	800 feet	foot	*0 0 9	A. G. Healing Ltd.
†3907	„ „ „ Fibre (red or grey), 1 1/8" external diameter, 1 3/8" internal diameter	..	20 lb.	lb.	..	Nil
*3908	Washers, Valve Cap. for V.R. type, J.A.P. Engines	..	30 doz.	dozen	..	Nil
*3909	„ „ „ „ „ Fafnir Engines	..	2 „	do.	..	Nil
†3910	Wire, Copper, Rubber Covered, high tension 7 m.m.	U.K.	200 yards	100 yards	1 3 0	Associated General Elec. Supplies Co.
*3911	„ „ „ „ „ low tension	..	200 „	yard	..	Nil
*3912	„ „ „ „ „ Bowden, Carburetter, stranded ..	U.K.	100 „	do.	0 0 2 1/2	W. L. Buckland Pty. Ltd.
3913	„ „ „ „ „ (control lever only) for Magnetos	..	2	each	..	Nil
3914	} Nil					
to						
3929						

**SALT GLAZED VITRIFIED STONEWARE PIPES; AGRICULTURAL PIPES, ETC.**

**STONEWARE PIPES (Items Nos. 3930 to 3999).**

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

The Pipes shall be of Salt Glazed Vitrified Stoneware: they shall be made of plastic clay or other approved similar material, thoroughly worked, containing a large proportion of silica, but free from limestone or lime. Each Pipe shall be of uniform and suitable composition, and shall ring with a well-defined sound when struck with a wooden mallet. The Pipes shall be well burnt, completely vitrified, and free from splits, cracks, inequalities, and all other defects, and shall be uniformly and thoroughly glazed over the whole of the inside and outside with salt glaze. All Pipes shall be to standard designs and shall be made to the forms, angles, and dimensions ordered, and shall have an effective length of two (2) feet. They shall be of uniform circular section throughout with the ends truly formed at right angles to the bore.

All Pipes may be tested by the Comptroller of Stores in such manner as he may think proper, and any Pipes which fail to pass any such test will be rejected. Items marked (M) will require to be tested by the Melbourne and Metropolitan Board of Works, and must bear that Board's test mark before delivery. Items marked (BE) will require to be tested by the Bendigo Sewerage Authority, and must bear that Authority's test mark before delivery. Items marked (BA) will require to be tested by the Ballarat Sewerage Authority, and must bear that Authority's test mark before delivery.

The Agricultural Pipes (Item No. 4000) shall be of approved manufacture, well burnt, straight, of uniform section, and shall measure 12 inches in length. The material shall consist of Portland Cement, gravel up to 1/4-inch and fine grade water-washed sand, mixed in such proportions and manner as will enable the pipes to withstand any test for their purpose. All finished pipes shall be kept saturated with water for ten (10) days before being allowed to dry out.

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

Place of delivery—

G. D. Guthrie & Co. Pty. Ltd.—Delivered into trucks at Epsom.

Hoffman Brick & Potteries Ltd.—Delivered into trucks at South Brunswick, Oakleigh, or Mitcham.

Martin Stoneware Pipe Ltd.—Delivered into trucks at Ballarat.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
	Drain Pipes—Salt Glazed Vitrified Stoneware—							
	Length 2'—							
3930	3" .. .. .	Vict.	100 ft.	foot	0	0	5	Hoffman Brick & Potteries Ltd.
3930A	3" .. .. .	"		do.	0	0	5	Martin Stoneware Pipe Ltd.
3930B	3" .. .. .	"		do.	0	0	5	G. D. Guthrie & Co. Pty. Ltd.
3931	4" .. .. .	"	5,000 "	do.	0	0	5	Hoffman Brick & Potteries Ltd.
3931A	4" .. .. .	"		do.	0	0	5	Martin Stoneware Pipe Ltd.
3931B	4" .. .. .	"		do.	0	0	5	G. D. Guthrie & Co. Pty. Ltd.
3932	(M) 4" .. .. .	"	800 "	do.	0	0	9	Hoffman Brick & Potteries Ltd.
3933	(BE) 4" .. .. .	"	450 "	do.	0	0	10	G. D. Guthrie & Co. Pty. Ltd.
3934	(BA) 4" .. .. .	"	500 "	do.	0	0	10	Martin Stoneware Pipe Ltd.
3935	6" .. .. .	"	9,000 "	do.	0	0	8	Hoffman Brick & Potteries Ltd.
3935A	6" .. .. .	"		do.	0	0	8	Martin Stoneware Pipe Ltd.
3935B	6" .. .. .	"		do.	0	0	7	G. D. Guthrie & Co. Pty. Ltd.
3936	(M) 6" .. .. .	"	150 "	do.	0	1	6	Hoffman Brick & Potteries Ltd.
3937	(BE) 6" .. .. .	"	100 "	do.	0	1	8	G. D. Guthrie & Co. Pty. Ltd.
3938	(BA) 6" .. .. .	"	100 "	do.	0	1	7	Martin Stoneware Pipe Ltd.
3939	9" .. .. .	"	1,750 "	do.	0	1	1	Hoffman Brick & Potteries Ltd.
3939A	9" .. .. .	"		do.	0	1	1	Martin Stoneware Pipe Ltd.
3939B	9" .. .. .	"		do.	0	1	1	G. D. Guthrie & Co. Pty. Ltd.
3940	12" .. .. .	"	500 "	do.	0	1	7	Hoffman Brick & Potteries Ltd.
3940A	12" .. .. .	"		do.	0	1	7	Martin Stoneware Pipe Ltd.
3940B	12" .. .. .	"		do.	0	1	7	G. D. Guthrie & Co. Pty. Ltd.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
SALT-GLAZED VITRIFIED STONEWARE PIPES, AGRICULTURAL PIPES, ETC.— <i>continued.</i>						
3941	Bends—Salt Glazed Vitrified Stoneware— 3" .. .. .	Vict.	3	each	0 1 7	Hoffman Brick & Pot- teries Ltd.
3941A	3" .. .. .	"		do.	0 1 7	Martin Stoneware Pipe Ltd.
3941B	3" .. .. .	"		do.	0 1 7	G. D. Guthrie & Co. Pty. Ltd.
3942	4" .. .. .	"		do.	0 1 7	Hoffman Brick & Pot- teries Ltd.
3942A	4" .. .. .	"		do.	0 1 7	Martin Stoneware Pipe Ltd.
3942B	4" .. .. .	"		do.	0 1 7	G. D. Guthrie & Co. Pty. Ltd.
3943	(BE) 4" with inspection openings .. .. .	..	..	..	..	Nil
3944	(BA) 4" .. .. .	..	..	..	..	..
3945	(M) 4" .. .. .	Vict.	175	each	0 3 6	Hoffman Brick & Pot- teries Ltd.
3946	(BE) 4" .. .. .	"	40	do.	0 3 3	G. D. Guthrie & Co. Pty. Ltd.
3947	(BA) 4" x 12" .. .. .	"	20	do.	0 3 8	Martin Stoneware Pipe Ltd.
3948	(BA) 4" x 18" .. .. .	"	10	do.	0 3 8	
3949	(BA) 4" x 24" .. .. .	"	6	do.	0 4 0	
3950	6" .. .. .	"	3	do.	0 3 0	Hoffman Brick & Pot- teries Ltd.
3950A	6" .. .. .	"		do.	0 3 0	G. D. Guthrie & Co. Pty. Ltd.
3951	(BE) 6" with inspection openings .. .. .	..	..	..	..	Nil
3952	(M) 6" .. .. .	Vict.	3	each	0 6 6	Hoffman Brick & Pot- teries Ltd.
3953	(BE) 6" .. .. .	"	3	do.	0 7 0	G. D. Guthrie & Co. Pty. Ltd.
3954	(BA) 6" x 12" .. .. .	..	3	do.	..	Nil
3955	(BA) 6" x 24" .. .. .	..	3	do.	..	
3956	9" .. .. .	..	..	..	..	
Elbows—Salt Glazed Vitrified Stoneware—						
3957	4" .. .. .	Vict.	3	each	0 1 7	Hoffman Brick & Pot- teries Ltd.
3957A	4" .. .. .	"		do.	0 1 7	Martin Stoneware Pipe Ltd.
3957B	4" .. .. .	"		do.	0 1 7	G. D. Guthrie & Co. Pty. Ltd.
3958	6" .. .. .	..	..	..	..	Nil
Single Junctions, right-angled, and oblique, 45° or 60°, as ordered—						
3959	3" x 3" .. .. .	..	..	..	..	Nil
3960	4" x 4" .. .. .	Vict.	40	each	0 1 9	Hoffman Brick & Pot- teries Ltd.
3960A	4" x 4" .. .. .	"		do.	0 1 9	Martin Stoneware Pipe Ltd.
3960B	4" x 4" .. .. .	"		do.	0 1 7	G. D. Guthrie & Co. Pty. Ltd.
3961	(M) 4" x 4" .. .. .	"		do.	0 3 0	Hoffman Brick & Pot- teries Ltd.
3962	(BE) 4" x 4" .. .. .	"		do.	0 3 6	G. D. Guthrie & Co. Pty. Ltd.
3963	(BA) 4" x 4" .. .. .	"		do.	0 3 6	Martin Stoneware Pipe Ltd.
3964	6" x 4" .. .. .	"	10	do.	0 3 0	Hoffman Brick & Pot- teries Ltd.
3964A	6" x 4" .. .. .	"		do.	0 3 0	Martin Stoneware Pipe Ltd.
3964B	6" x 4" .. .. .	"		do.	0 3 0	G. D. Guthrie & Co. Pty. Ltd.
3965	(M) 6" x 4" .. .. .	"		do.	0 7 3	Hoffman Brick & Pot- teries Ltd.
3966	(Br) 6" x 4" .. .. .	"	6	do.	0 8 0	G. D. Guthrie & Co. Pty. Ltd.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.	
					£ s. d.		
SALT GLAZED VITRIFIED STONWARE PIPES, AGRICULTURAL PIPES, ETC.— <i>continued.</i>							
	Single Junctions, right-handed, and oblique, 45° or 60°, as ordered— <i>continued.</i>						
3967	(BA) 6" x 4" .. .. .	Vict.	10	each	0 8 0	Martin Stoneware Pipe Ltd.	
3968	6" x 6" .. .. .	"	3	do.	0 4 0	Hoffman Brick & Potteries Ltd.	
3968A	6" x 6" .. .. .	"		do.	0 4 0	Martin Stoneware Pipe Ltd.	
3968B	6" x 6" .. .. .	"		do.	0 3 6	G. D. Guthrie & Co. Pty. Ltd.	
3969	(M) 6" x 6" .. .. .	"		..	..	Nil	
3970	(BE) 6" x 6" .. .. .	Vict.	1	each	0 8 0	G. D. Guthrie & Co. Pty. Ltd.	
3971	(BA) 6" x 6" .. .. .	"	1	do.	0 8 0	Martin Stoneware Pipe Ltd.	
3972	9" x 4" or 9" x 6", as ordered .. .. .	"	4	..	..	Nil	
3973	12" x 4" to 12" x 9" .. .. .	Vict.		each	0 10 0	Hoffman Brick & Potteries Ltd.	
3973A	12" x 4" to 12" x 9" .. .. .	"		do.	0 10 0	Martin Stoneware Pipe Ltd.	
3974	15" x 6" to 15" x 12" .. .. .	"		1	do.	0 16 0	Hoffman Brick & Potteries Ltd.
3975	18" x 9" or 18" x 12" .. .. .	"	..	..	..	}	
3976	24" x 9" or 24" x 12" .. .. .	"	..	..	..		
	Double Junctions, right angled and oblique, 45° or 60°, as ordered—					Nil	
3977	4" x 4" .. .. .	"	..	..	..	}	
3978	6" x 4" .. .. .	"	..	..	..		
3979	Bricks, Gutter, 4" concrete, 2' long .. .. .	"	..	..	..		
3980	Discs, 4" .. .. .	Vict.	..	each	0 0 3		Hoffman Brick & Potteries Ltd.
3980A	Discs, 4" .. .. .	"	90	do.	0 0 3	Martin Stoneware Pipe Ltd.	
3980B	Discs, 4" .. .. .	"		do.	0 0 3	G. D. Guthrie & Co. Pty. Ltd.	
3981	Discs, 6" .. .. .	"		do.	0 0 5	Hoffman Brick & Potteries Ltd.	
3981A	Discs, 6" .. .. .	"		3	do.	0 0 5	Martin Stoneware Pipe Ltd.
3981B	Discs, 6" .. .. .	"	..	do.	0 0 4	G. D. Guthrie & Co. Pty. Ltd.	
3982	(M) Tops, Gully .. .. .	"	10	do.	0 9 0	Hoffman Brick & Potteries Ltd.	
3983	(BE) " " .. .. .	"	5	do.	0 9 9	G. D. Guthrie & Co. Pty. Ltd.	
3984	(BA) " " with inlet .. .. .	"	12	do.	0 12 6	Martin Stoneware Pipe Ltd.	
	Tops for Boundary Traps—						
3985	(M) 4" x 4", No. 27A .. .. .	"	10	do.	0 3 0	Hoffman Brick & Potteries Ltd.	
3986	(BE) 4" x 4", No. 27A .. .. .	"	14	do.	0 3 0	G. D. Guthrie & Co. Pty. Ltd.	
3987	(BA) 4" x 4", No. 27A .. .. .	"	20	do.	0 3 3	Martin Stoneware Pipe Ltd.	
3988	(M) 6" x 4" or 6" x 6", as ordered, No. 26A .. .. .	"	3	do.	0 7 0	Hoffman Brick & Potteries Ltd.	
3989	(BE) 6" x 4" or 6" x 6", as ordered, No. 26A .. .. .	"	..	..	..	}	
3990	(BA) 6" x 4" or 6" x 6", as ordered, No. 26A .. .. .	"	..	..	..		
3991	Tops, Adjustable, 6" to 4" wide, 3" inlet .. .. .	Vict.	2	each	0 3 0	}	
3992	(M) Traps, Boundary, 4" .. .. .	"	6	do.	0 9 0		
3993	(M) Traps, Boundary, 6" .. .. .	"	6	do.	1 3 6		Hoffman Brick & Potteries Ltd.
3994	(M) Traps, Disconnecter, No. 23 .. .. .	"	20	do.	0 6 9		}
3995	(BE) Traps, Disconnecter, No. 23 .. .. .	"	14	do.	0 7 6	G. D. Guthrie & Co. Pty. Ltd.	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per--	Rate.	Name of Contractor.
					£ s. d.	
<b>SALT GLAZED VITRIFIED STONWARE PIPES, AGRICULTURAL PIPES, ETC.—continued.</b>						
3996	Tops for Boundary Traps— <i>continued.</i> (BA) Traps, Disconnecter, No. 23 .. .. .	Vict.	20	each	0 7 6	Martin Stoneware Pipe Ltd.
3997	(M) Traps, Gully, No. 24 .. .. .	"	2	do.	0 9 7	Hoffman Brick & Potteries Ltd.
3998	(BE) Traps, Gully, No. 24 .. .. .	"	6	do.	0 10 6	G. D. Guthrie & Co. Pty. Ltd.
3999	(BA) Traps, Gully, No. 24 .. .. .	"	12	do.	0 10 6	Martin Stoneware Pipe Ltd.
4000	Pipes, Agricultural, 12" long, 4" internal diameter .. .. .	"	140 ft.	100 ft.	1 0 0	Hoffman Brick & Potteries Ltd.
4001	Pipes, Agricultural, Concrete, 12" long, 4" internal diameter .. .. .	"	..	..	..	Nil
4002 to 4006	} Nil					

**CONCRETE PIPES.**

(See Appendix "C" for Specification.)

*Delivery.*—The pipes shall be provisionally delivered at the railway station named at the end of this clause and may there be subjected to any further test, in such manner as the Comptroller of Stores may think proper, when any pipes which fail to pass such test shall be rejected. After having been passed and accepted by the Comptroller of Stores or his representative, the pipes shall be properly loaded stacked and packed with straw or other suitable material into railway trucks, by and at the cost of the Contractor, to the satisfaction of the Supervising Officer. Any pipes that have been rejected must be removed by and at the cost of the Contractor.

Place of delivery—

Oakleigh or Newmarket Railway Stations at Department's option.

<b>Pipes, Plain, Unreinforced—</b>						
4007	12" dia. x 4' .. .. .	Vict.	100 feet	foot	0 1 3	} Hume Pipe Co. (Aust.) Ltd.
4008	15" dia. x 4' .. .. .	"	200 "	do.	0 1 8	
4009	24" dia. .. .. .	"	nil	..	..	
4010	Pipes, Agricultural, 12" long, 4" internal diameter .. .. .	..	500 "	..	..	} Nil
<b>Pipes, Reinforced, Class "S."—</b>						
4011	9" dia. x 6' .. .. .	"	110 "	foot	0 1 0½	} Hume Pipe Co. (Aust.) Ltd.
4012	12" dia. x 4' or 6' .. .. .	"	1,500 "	do.	0 1 3¾	
4013	15" dia. x 4' or 6' .. .. .	Vict.	1,850 "	do.	0 1 8¾	
4014	18" dia. x 4' or 8' .. .. .	"	1,000 "	do.	0 2 3¼	
4015	21" dia. x 4' or 8' .. .. .	"	250 "	do.	0 3 3	
4016	24" dia. x 4' or 8' .. .. .	"	900 "	do.	0 3 8	
4017	27" dia. x 4' or 8' .. .. .	"	130 "	do.	0 4 10	
4018	30" dia. x 4' or 8' .. .. .	"	125 "	do.	0 5 4	
4019	36" dia. x 4' or 8' .. .. .	"	250 "	do.	0 6 8	
4020	42" dia. x 4' or 8' .. .. .	"	190 "	do.	0 9 0	
4021	48" dia. x 4' or 8' .. .. .	"	200 "	do.	0 11 3	
4022 to 4032	} Nil					

**LINSEED OIL AND WHITE LEAD IN OIL.**

**SPECIFICATION FOR LINSEED OIL.—Items Nos. 4033 and 4034.**

1. *Quality.*—The Oil shall conform to the Australian Commonwealth Engineering Standards Association's Tentative Australian Standard Specifications, No. K. 2-1926T. for Raw Linseed Oil and No. K. 5-1926T. for Boiled Linseed Oil.

2. *Samples.*—A composite sample of not less than two (2) quarts shall be taken from each delivery. It shall be drawn from at least five packages (from all when fewer), and in no case from less than 2 per cent. of the packages.

3. *Testing.*—Testing shall be according to Australian Commonwealth Engineering Standards Association's Tentative Australian Standard Specifications Nos. K. 2 to 6, 1926T.

4. *Packages.*—The oil shall be delivered in cases each containing two 4-gallon tins, and such containers shall be in good order and condition, and to the satisfaction of the Comptroller of Stores. The gallonage to be paid for will be computed on the basis that each full tin contains four (4) gallons. Any leaky tin will be liable to rejection.

5. *Branding.*—The cases shall be legibly branded VR/M in letters at least 4 inches long;

LINSEED OIL AND WHITE LEAD IN OIL—continued.

SPECIFICATION FOR WHITE LEAD IN OIL.—Item No. 4035 and 4035A.

1. *Sample.*—The tenderer shall submit with his tender a sample of at least 7 lb. of the White Lead in Oil that he tenders to supply.

2. *Specification.*—The White Lead in Oil shall be in strict accordance with the Australian Commonwealth Engineering Standards Association's Specification No. K. 10 of 1926.

3. *Testing.*—The White Lead in Oil shall be tested according to the methods described in Australian Commonwealth Engineering Standard Association Specification.

4. *Weights.*—All weights shall be ascertained by weighing the White Lead in Oil on the weigh-bridge scales or other weighing machines of the Corporation, and all such weights so ascertained by the Proper Chief Officer shall for all purposes be accepted by the parties to this Contract at correct and final and binding.

5. *Containers.*—The White Lead in Oil shall be delivered in kegs, each containing 1 cwt. net of the White Lead in Oil.

\* As regards Items 4035 and 4035A, the rate to be paid is £32 per ton, plus the average price of corroding quality of Broken Hill Pig Lead f.o.b. Port Pirie for the last complete week of the preceding month in which any order is placed as certified to by the Broken Hill Associated Smelters, less 2½ per cent. discount for payment in 30 days, or 3 per cent. in fourteen days from the date of delivery at Spencer-street. Every effort should be made to pay within fourteen days and obtain benefit of extra discount. The Contractor on receipt of order shall furnish the Comptroller of Stores with the rate to be paid.

Provided satisfactory service is rendered, orders for White Lead should be equally divided.

Orders to be placed for a minimum quantity of 1 ton.

The rate to be paid for White Lead shall be further adjusted to the satisfaction of the Comptroller of Stores in the event of there being any alteration by any Wages Board Tribunal in the wages paid to White Lead workers during the Contract period.

The rates for Items 4035 and 4035A do not include wharfage, and to enable Corporation to obtain exemption from wharfage each Bill of Lading shall be made out in the name of The Victorian Railways Commissioners. Wharfage will be arranged by the Department.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
†4033	Oil, Linseed, Raw, in cases, 2 x 4 gal. tins ..	Vict.	16,000 gals.	gal.	0	4	0	} Meggitt Ltd. British Australian Lead Manuftrs. Pty. Ltd. Lewis Berger & Sons (Aust.) Pty. Ltd.
†4034	Oil, Linseed, Boiled, in cases, 2 x 4 gal. tins	"	8,000 "	do.	0	4	2	
†4035	Lead, White, in Oil, in 1 cwt. kegs "Balm"	N.S.W.	} 60 tons	ton	*			
†4035A	" " " " Bergers	"		do.		*		

GALVANIZED IRONWARE AND TINWARE.

†4036	Baths, Iron, Galvanized, 24 G., 5' 6", rolled top, with 2" M.M.B.W. pattern plug, washer, and brass chain	Vict. & N.S.W.	50	each	0	19	3	H. T. Thomas
	Buckets, Galvanized, strapped sides and bottoms—24 gauge							} Nil
*4037	12" .. .. .		200	do.				
*4038	14" .. .. .		25	do.				
*4039	Cans, Watering, Galvanized, with rose, 4 gallons	Vict.	12	do.	0	7	6	A. E. and F. Tame
	Feeders, Tin—							} Nil
*4040	Spring, ½ pint .. .. .		100	each				
*4041	" 1 pint .. .. .		80	do.				
*4042	Pans, Closet, to sample "A", Oval	Vict.	150	do.	0	6	9	} Galvanized Products Pty. Ltd.
*4043	" " " " "H", Round		150	do.	0	6	6	
4044	Pumps, Kerosene, closed top, with cutter		20	do.				} Nil
*4045	Tins, Sealed, 1-lb. .. .. .		288	do.				
*4046	" " 2 lb. .. .. .		288	do.				
4047 to 4077	} Nil.							

CANE AND COIR MATS, ETC.

CANE.								
†4078	Cane, for manufacture of Cane Plugs, ½" diameter		10 cwt.	cwt.				Nil
MATS, ETC.								
*4079	Mats, Coir, Skeleton, 3' 3" x 2' 3" ..	Vict.	300	each	0	15	0	} Royal Victorian Institute for the Blind
*4080	Matting, Coir, 27" .. .. .	"	250 l. yds.	l. yd.	0	1	9½	
4081	" " 24" .. .. .	"	20	do.	0	1	9	
4082	Binding Coir Matting above, as ordered	"	100 feet	foot	0	0	4½	
4083 to 4499	} Nil.							



**COTTON WASTE.**

**COTTON WASTE.**—The Waste shall possess good oil absorbing properties. It shall be practically free from threads less than 3 inches long, and in the case of Item No. 4501 (White Waste) shall not contain any coloured threads. All Waste shall be clean scoured and shall not contain any coarse or non-absorbent threads, string, or fibre (other than cotton), and shall be free from oil, grit, rags, sweepings, dirt, material that has been washed, and metallic fragments.

A portion representative of the average of the samples of Cotton Waste submitted will be burned to complete ash, and the percentage of ash or loading thereby determined will become the standard for all Waste delivered under Items Nos. 4500 and 4501 with a reasonable range of tolerance, and any Waste delivered with a percentage of loading outside the tolerance granted by the Comptroller of Stores will be absolutely rejected. The Waste delivered in bulk should be reasonably in accordance with the sample submitted with the tender. The sample (Item 4500) disclosed a percentage of ash of 5.06.

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

Before lodging his samples, the Tenderer shall submit same to the Quarantine Department, and furnish with his tender an assurance that Waste reasonably in accordance with such samples will be admitted into the State by that Department. In the event of a tender being accepted, the Contractor shall clear each and every shipment of the Waste through the Customs and Quarantine Department, and he shall undertake full liability if the Quarantine Department should refuse to allow any Waste shipped in response to an order placed by the Corporation, to land, by reason of the fact that such Waste does not comply with the quarantine regulations, and in the event of such happening the Corporation may purchase Waste which, in the opinion of the Comptroller of Stores, is necessary and suitable for the requirements of the Corporation, at the Contractor's risk and cost, in accordance with clause 15 of the conditions of contract.

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

Name of Manufacturer—W. C. Jones & Co. Ltd., Manchester.

\*The Corporation will pay to the Contractor up to the limits provided hereafter the total amount of exchange actually paid by the Contractor provided that the Contractor to the satisfaction of the Comptroller of Stores produces evidence of the fact of the transfer and,

- (a) The exchange is paid on not more than the declared c.i.f. values of the service.
- (b) The rate paid is not more than the published rate of Telegraphic Transfer Exchange between London and Australia on the date of delivery of the service at Metropolitan Receiving Depot, Spencer-street, Melbourne.

In the event of there being any alteration in the Customs Duty of 10 per cent. ad valorem under Item 123B, Primage Duty at 10 per cent., and 20 per cent. duty on outside packages, at the time of importation, the amount involved shall be to the Corporation's account provided duty is paid on the most satisfactory basis on an "A" class declaration and that documentary evidence of the payment is produced.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
†4500	Waste, Cotton, Grey, "J.5" .. ..	U.K.	100 tons	ton	£ s. d. *26 5 0	Gilbert Lodge & Co. Ltd.
†4501	" " White .. ..	"	10 "	do.		Nil.
4502-3	Nil.					

**PIG IRON.**

(Items 4504 to 4505A.)

**SPECIFICATION.**

**Quality of Material.**—The Pig Iron shall be clean foundry pig, as free as possible from an excessive amount of dross and sand, and may be either sand or machine cast.

**Chemical Analysis.**—The Pig Iron shall show on analysis :—

	Items Nos. 4504.		Items Nos. 4505 and 4505A.	
	Special Foundry.		Standard Softener.	
Silicon .. ..	2.00-2.50 per cent.	..	2.75-4.00 per cent.	..
Manganese .. ..	.6-.9 per cent.	..	.6-1.5 per cent.	..
Phosphorus .. ..	.6-.9 per cent.	..	.1-.3 per cent.	..
Sulphur .. ..	.05 maximum	..	.05 maximum	..

All analysis shall be carried out in accordance with the requirements of Australian Standard Specification, No. K.1-1926.

**Sampling and Testing.**—One pig will be selected for every 4 tons from various parts of each delivery of Pig Iron. Each pig thus selected will be sampled by drilling so as to fairly represent the composition of the pigs as cast. An equal weight of drillings from each sample pig selected for testing shall be thoroughly mixed to make up the sample for test analysis; such sample shall conform to the analysis shown above and shall be taken as representing the analysis of the whole of delivery.

**Pig Iron—continued.**

**Rejection.**—Should the Pig Iron fail to comply in any particular with this Specification it shall be liable to rejection.

Each shipment of the Pig Iron shall be arranged in such a manner as will enable delivery to be given direct from the ship's slings into railway trucks at either Victoria Dock or Williamstown Pier, so that cartage charges may be eliminated. Stevedoring charges shall be borne by Contractor.

All weights shall be ascertained by weighing the Pig Iron on the weighbridge scales, or other weighing machines of the Corporation at the place of discharge of the vessel, and all such weights so ascertained shall for all purposes be accepted by the parties to this Contract as correct and final and binding. The Shipping Clerk is to check weights on discharge of the ship and furnish certificate of weighing to Receiving Officer.

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

To be ordered in minimum quantity of 50 tons.

Provided satisfactory service is rendered, the business to be equally divided.

In the event of the Company's C.I.F. market price for Pig Iron increasing or decreasing during the currency of the Contract, then such increase or decrease, as the case may be, will be to the Corporation's account and apply to the undelivered quantity as at the date of such alteration in price, provided due notice of any such alteration is given to the Comptroller of Stores in writing.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.		Name of Contractor.
					£	s. d.	
4504	Pig Iron, Special Foundry, as specified ..	..	100 tons	ton	..	..	Nil
4505	" " Standard Softener, as specified .. delivered as shown above.	N.S.W.	} 700 "	} do.	5	16 1	Broken Hill Pty. Co. Ltd.
4505A	" " " " " " " " " " " "	"					
4506	" " " " " " " " " " " "	"					
4506 to 4508	} Nil						McPherson's Pty. Ltd.

**TWIST DRILLS.**

The Tenderer shall submit one sample  $\frac{1}{8}$ -inch diameter Carbon, High Speed, and Ratchet Drill, indicating the shape and quality of the Drills tendered. One sample of the small Carbon Drill should also be submitted.

The Twist Drills shall be in accordance with British Standard Specification No. 328—1928. The Drills shall be subjected to the specified inspection and tests by and at the cost of the Corporation at its Workshops.

Name of Manufacturers—

Frank Wells Pty. Ltd., Marsh Bros. "Roxo."

Gilbert Lodge and Co. Ltd., Brooke Tool Mfg. Co., "Cardinal," 16 to 18% Tungsten.

\* Plus ruling rate of T.T. Exchange on date of delivery on 80 per cent.

Item No.	Description.	Country of Manufacture.	Price	Percentage off Price List submitted by tenderer with tender and firm during the period of the contract.	Name of Contractor.
†4510	" " Carbon, Parallel Shank, any sizes ordered	"	£5	*77 %	
†4511	" " High Speed, Parallel Shank, any sizes ordered	"	£100	*72 %	} Gilbert Lodge & Co. Ltd.
†4512	" " High Speed, Taper Shank, any sizes ordered	"	£200	*72 %	
†4513	" " Carbon, Ratchet, Taper Square Shank, from $\frac{3}{8}$ " to $\frac{1}{2}$ ", any sizes ordered	"	£20	*65 %	Frank Wells Pty. Ltd.
4514 to 4525	} Nil				

**SUNDRY IRONMONGERY, No. 1.**

**Boilers—Copper—Item No. 4545.** The boilers shall be stamped out of one piece copper weighing not less than (approx.) 1½ lb. per sq. foot.

The Steel Balls under Items Nos. 4527 to 4537 shall be of the specified dimensions with a tolerance of .0002 inch over or under.

\* Plus ruling rate of T.T. Exchange on date of delivery on 80 per cent.

Item 4572 is firm as regards Conversion.

The rates for Items 4527–4537, 4555, 4585–4586 are firm as regards Exchange.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
SUNDRY IRONMONGERY, No. 1— <i>continued.</i>						
*4526	Balances, Spring, Railway Parcels, 56 lb. x 4 oz., with enamelled dial, and platform 14" x 9", the pinion to be drilled for cotter pin, and base plate to have three screw holes for securing the balance to the counter—	..	1	each	..	Nil
4527	Balls, Steel, $\frac{3}{16}$ " .. .. .	Sweden	4 doz.	dozen	0 0 1	S.K.F. Ball Bearing Co. Ltd.
4528	" " $\frac{1}{4}$ " .. .. .	"	24 "	do.	0 0 3	
4529	" " $\frac{1}{2}$ " .. .. .	"	4 "	do.	0 0 1	
4530	" " $\frac{5}{16}$ " .. .. .	"	4 "	do.	0 0 2	
4531	" " $\frac{1}{2}$ " .. .. .	"	4 "	do.	0 0 4	
4532	" " $\frac{3}{4}$ " .. .. .	"	4 "	do.	0 0 5	
4533	" " $\frac{1}{2}$ " .. .. .	"	4 "	do.	0 0 9	
4534	" " $\frac{3}{4}$ " .. .. .	"	4 "	do.	0 1 1	
4535	" " $\frac{1}{2}$ " .. .. .	"	4 "	do.	0 1 9	
4536	" " 1" .. .. .	"	4 "	do.	0 3 5	
4537	" " $1\frac{1}{2}$ " .. .. .	"	4 "	do.	0 16 7	
4538	Bars, Locking, Galvanized, 8" Light	Vict.	1	each	0 2 1	Briscoe & Co. Ltd.
4539	" " " 10" Light	"	1	do.	0 2 5	
4540	" " " 12" Heavy	"	1	do.	0 3 8	
4541	to Nil	..	..	..	..	
4543	Bellows, Moulders' .. .. .	..	16	..	..	..
4544	Boilers, Copper, blocked, .12 or 14 gallon capacity, as ordered, "Globe"	..	50 lb.	lb.	..	
4545	.. .. .	..	..	..	..	..
*4546	Bottles, Glass, Lubricator, No. 1 .. .. .	..	12	each	..	Nil
*4547	" " " 2 .. .. .	..	12	do.	..	
4548	to Nil	..	..	..	..	..
4553	.. .. .	..	..	..	..	..
4554	Chain, Iron, Jack, any sizes ordered	..	50 doz.	doz.	..	..
4555	" " Communication .. .. .	U.K.	500 feet	100 ft.	0 4 9	
*4556	" " japanned, twisted, $\frac{3}{16}$ ", in packets of 12 yards	..	10 pkts.	pkt.	..	Nil
4557	" for Vulcan Pipe Tongs, No. 31 .. .. .	U.K.	1	each	*0 3 9	McPhersons Pty. Ltd.
4558	to Nil	..	..	..	..	..
4561	.. .. .	..	..	..	..	..
*4562	Combs, Curry .. .. .	U.K.	20	each	*0 0 7	T. Mitchell & Co. Pty. Ltd.
4563	Cups, Grease, Stauffer System, $\frac{1}{4}$ " Gas, No. 3	..	12	..	..	Nil
4564	" " " " No. 4	..	6	..	..	
4565	" " " " No. 6	..	12	each	..	..
4566	Nil	..	..	..	..	
4567	Cups, Grease, Steel, plain, style No. 200—	..	15 doz.	dozen	..	Nil
4568	$1\frac{1}{2}$ " x $\frac{1}{2}$ " .. .. .	..	24 "	do.	..	
4569	$2$ " x $\frac{1}{2}$ " .. .. .	..	1 "	do.	..	..
4570	File Card Wire, Rubber Cloth Back, 2" wide	..	30 feet	foot	..	..
4571	Fittings for Grindstones; complete; any sizes ordered	..	2 sets	set	..	
*4572	Glasses— Bullseye, with rubber gaskets, for Detroit Lubricators	U.S.A.	12 doz.	dozen	*1 16 0	Vacuum Oil Co. Pty. Ltd.
*4573	Gauge, $\frac{3}{4}$ " x 16 $\frac{1}{2}$ " long, suitable for Babcock and Wilcox Boilers, at 210-lb. pressure, "Bishop's Adamant"	U.K.	50 "	do.	*0 4 10	Bell's Asbestos Aust. Agency Ltd.
*4574	Glasses; Protection, for Gauge Glasses, 12" x 2 $\frac{1}{4}$ " x $\frac{1}{2}$ ", Bishop's Hardened "Adamant"	..	7 "	do.	*1 10 6	
4575	to Nil	..	..	..	..	..
4577	Glasses, Gauge, "Bishop's Adamant"—	..	..	..	..	Bell's Asbestos Aust. Agency Ltd.
4578	12" x $\frac{3}{4}$ " .. .. .	U.K.	1 "	do.	*0 3 4	
4579	15" x $\frac{3}{4}$ " .. .. .	"	36 "	do.	*0 4 3	
4580	18" x $\frac{3}{4}$ " .. .. .	"	3 "	do.	*0 2 10	
4581	19" x $\frac{3}{4}$ " .. .. .	"	6 "	do.	*0 5 3	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
<b>SUNDRY IRONMONGERY, No. 1—continued.</b>						
†4582	Glasses, Lubricator, 1 1/8" x 3 3/8", .. .. .	.. .. .	15 doz.	dozen	.. .. .	} Nil
4583	Ladies, Lead, Wrought Iron, 4" .. .. .	.. .. .	18	each	.. .. .	
4584	" " " " 6" .. .. .	.. .. .	24	do.	.. .. .	} E. Duckett & Sons
4585	Pins and Sockets, Carpet, Brass .. .. .	U.K.	2 gross	gross	1 11 0	
4586	Pots, Glue, Cast Iron, No. 3, 2 pints .. .. .	"	1	each	0 9 9	
	Plates, Tinned— Iron, Charcoal, 20" x 14", 112 sheets per box; or 20" x 28", 56 sheets per box, as ordered—					
4587	lxx. .. .. .	.. .. .	3 boxes	box	.. .. .	} Nil
4588	lxxx. .. .. .	.. .. .	3 "	do.	.. .. .	
4589	lxxxx. .. .. .	.. .. .	2 "	do.	.. .. .	
*4590	Scissors, Lamp .. .. .	U.K.	10 pairs	pair	*0 2 8	} Briscoe & Co. Ltd.
†4591	" Office "Flag" .. .. .	"	20 "	do.	*0 2 1	
†4592	Shovels, Cinder, No. 1 Quality .. .. .	Vict.	30 "	each	0 0 8	
†4593	Safes, Meat, round, portable hanging, 18" diameter .. .. .	"	20 "	do.	0 9 9	} McPherson's Pty. Ltd.
4594	Tongs, Vulcan, Chain, No. 232, "Record" .. .. .	U.K.	20	do.	*0 13 5	
4595	" " " " No. 233 "Record" .. .. .	"	1	do.	*1 0 0	} Nil
*4596	Type, Dating, Lead .. .. .	.. .. .	50 lb.	lb.	.. .. .	
	Washers, Brass, Round Plate, Round Hole—					
†4597	3/8" .. .. .	U.K.	4 gross	gross	*0 0 11	} McPherson's Pty. Ltd.
†4598	3/8" .. .. .	Vict.	50 "	do.	0 1 2	
†4599	1/2" .. .. .	.. .. .	10 "	do.	.. .. .	} Nil
†4600	1/2" .. .. .	U.K.	10 "	do.	*0 2 8	
†4601	Washers, Copper, No. 6 .. .. .	.. .. .	3 lb.	lb.	.. .. .	} Nil
†4602	Wheels, Barrow, wrought iron, navy .. .. .	Vict.	30 "	each	0 4 9	
*4603	" Platform Barrow, wrought iron, with turned spindle, 2 1/4" rims .. .. .	"	20	do.	0 9 3	} A. G. Way & Co.
†4604	Whistles, Guards', "Acme," No. 053 .. .. .	U.K.	40	do.	*0 2 0	
4605 to 4624	} Nil					

**SUNDRY IRONMONGERY, No. 2.**

Case-hardening Composition (Item No. 4630) must be of the very best quality and suitable for the case-hardening of Wrought Iron or Mild Steel, and must be free from dust and other impurities.

As regards Item 4630, the material ordered shall be consigned to the Victorian Railways Commissioners and Bill of Lading made out in their favour. The material will not be insured, the risk of ordinary F.P.A. Insurance to be carried by Department. Inspection in Melbourne after delivery.

\* Plus ruling rate of T.T. Exchange on date of delivery on 80 per cent.

4625	Bricks, Bath .. .. .	N.S.W.	50 dozen	dozen	0 4 8	Paul & Gray Ltd. (in liq.)
4626	Candles, Filter, "Berkfeld" .. .. .	.. .. .	20	each	.. .. .	Nil
†4627	Cement, Liquid, "Davis" .. .. .	Vict.	30 tubes	tube	0 0 3 1/2	Thos. Mitchell & Co. Pty. Ltd.
4628	Cloth, "Aloxite," K.5, No. 1, 6" wide, in rolls of 50 yards .. .. .	.. .. .	3 rolls	roll	.. .. .	} Nil
4629	" " " " K.5, No. 0, 6" wide, in rolls of 50 yards .. .. .	.. .. .	2 "	do.	.. .. .	
†4630	Composition, Case Hardening, fine .. .. .	N.S.W.	5 tons	ton	15 0 0 (f.o.b., Sydney)	The Hardite Steel Hardening Co.
†4631	Dressing, Belt, in approx. 1-lb. sticks, "Mercury" .. .. .	Vict.	144 sticks	stick	0 1 7	Hardware Co. of Aust. Pty. Ltd.
	Cloth, Emery—					
4632	No. 0, "Goldsworthy's Genuine" .. .. .	U.K.	} 600 quires	quire	*0 1 10	} Boyes Bros.
4633	No. 1, "Goldsworthy's Genuine" .. .. .	"		do.	*0 1 10	
4634	No. 1 1/2, "Goldsworthy's Genuine" .. .. .	"		do.	*0 1 10	
4635	No. 2, "Aust. Glass & Emery Co." .. .. .	Vict.		ream	2 18 8	
4636	No. 3, "Aust. Glass & Emery Co." .. .. .	"	do.	2 18 8	} C. S. Green & Son	
	Paper, Glass—					
4637	No. 00, "Aust. Glass & Emery Co." .. .. .	"	} 100 reams	do.		0 17 8
4638	No. 0, "Aust. Glass & Emery Co." .. .. .	"		do.	0 17 8	
4639	No. 1, "Aust. Glass & Emery Co." .. .. .	"		do.	0 17 8	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.		Name of Contractor.	
					£	s. d.		
<b>SUNDRY IRONMONGERY, No. 2—continued.</b>								
Paper, Glass— <i>continued.</i>								
4640	No. 1½, "Aust. Glass & Emery Co." ..	Vict.	} See previous page.	ream	0	17	} C. S. Green & Son	
4641	No. F.2, "Aust. Glass & Emery Co." ..	"		do.	0	17		8
4642	No. M.2, "Aust. Glass & Emery Co." ..	"		do.	1	3		4
4643	No. S.2, "Aust. Glass & Emery Co." ..	"		do.	1	3		4
4644	No. S.2½, "Aust. Glass & Emery Co." ..	"	do.	1	9	1		
Emery—								
4645	No. 20 hole, "Goldsworthy's Genuine" ..	U.K.	} 150 lb.	lb.	*0	0	} Boyes Bros.	
4646	No. 40 hole, "Goldsworthy's Genuine" ..	"		do.	*0	0		3½
4647	No. 60 hole, "Goldsworthy's Genuine" ..	"		do.	*0	0		3½
4648	No. 90 hole, "Goldsworthy's Genuine" ..	"		do.	*0	0		3½
4649	No. 120 hole, "Goldsworthy's Genuine" ..	"		do.	*0	0		3½
Paper, Garnet—								
†4650	No. 2, 24" wide, 50 yards rolls ..	..	3 rolls	roll	..	..	} Nil	
†4651	No. 0, 36" wide, 50 yards rolls ..	..	2 "	do.	..	..		
†4652	No. ½, 36" wide, 50 yards rolls ..	..	2 "	do.	..	..		
†4653	No. 1, 36" wide, 50 yards rolls ..	..	2 "	do.	..	..		
†4654	No. 1½, 36" wide, 50 yards rolls ..	..	2 "	do.	..	..		
†4655	Paper, Garnet, wet or dry, 2/0, "Goldsworthy's Britannia" ..	U.K.	24 quires	quire	*0	3	} Boyes Bros.	
†4656	Paper, Garnet, wet or dry, 5/0, "Goldsworthy's Britannia" ..	"	36 "	do.	*0	2		6
†4657	Polish, Metal Cleaner, liquid, fast, 6¼-oz. tins, "Pynnerzone" ..	Vict.	5,000 tins	dozen tins	0	4	A. B. Gibson & Sons	
†4658	Polish, in Cake form, Metal and Glass cleaner, "Usit" ..	"	1,000 cakes	doz.	0	3	Wiltshire's Pty. Ltd.	
†4659	Ezywork, Black Rust, Dissolvent, "Rus-solv" or "Penetrine," or any other suitable alternative—	"	1,800 tins	doz.	0	3	C. S. Green & Son	
†4660	In 1-gallon tins ..	..	15 gals.	gallon	..	..	} Nil	
†4661	In 4-gallon tins ..	..	16 "	do.	..	..		
4663	to	..	..	..	..	..		
4672	Nil	..	..	..	..	..		

**BUILDERS' IRONMONGERY.**

The Stoves under Item No. 4741 shall be suitable for either wood or coal fuel.

As regards Items 4705, 4706, 4708, 4709, and 4745, the rates are firm respecting Exchange and Conversion.

\* Plus ruling rate of T.T. Exchange only on date of delivery on 80 per cent. Firm for Conversion Items 4687, 4688, and 4690.

4673	Bolts, Iron, tower, japanned, 3" to 12", as ordered	N.S.W.	1,000 ins.	inch	0	0	1½	J. Danks & Son Pty. Ltd.	
†4674	" " Drop, 24", galvanized ..	Vict.	12	each	0	5	0	E. Duckett & Sons	
†4675	" " " 28", galvanized ..	"	6	do.	0	5	7½	McPherson's Pty. Ltd.	
Bolts, Iron, ½" diameter, galvanized, for Padlocks, "Brenton's" pattern—									
4676	8" ..	"	} 2,000 ins.	doz.	0	12	6	} G. Russell Ltd.	
†4676A	10" ..	"		do.	0	15	6		
4676B	12" ..	"		do.	0	18	0		
†4677	Brackets, Steel, japanned, shelf measurement, any sizes ordered (i.e., 8" x 10" = 18")	"	500 "	do.	..	..	..	Nil	
*4678	Chain, Brass, Chandelier, heavy, E 37 ..	N.S.W.	20 doz. yds.	doz. yds.	0	5	6	E. Duckett & Sons	
*4679	" " " light ..	"	9 "	do.	0	4	5	} McPherson's Pty. Ltd.	
†4680	Checks, Door, Liquid, light "Briton B" ..	U.K.	2	each	*1	16	4		
†4681	" " " heavy "Briton C" ..	"	.3	do.	*2	5	6	} R. Grieves	
4682	Doors, Furnace, 10" x 8", with frame, for Coppers	Vict.	20	do.	0	2	3		
†4683	Fasteners, Sash, oxidized, 2½" ..	"	12 doz.	dozen	0	4	6	} G. Russell Ltd.	
†4684	Fanlight Openers, Iron, with Cords, 12" x ¾" No. 8064	"	6	each	0	3	0		
†4685	Hasps and Staples, japanned, 3" ..	U.K.	} 576	do.	*0	0	1	} McPherson's Pty. Ltd.	
4686	" " " 4" ..	"		do.	*0	0	1½		
†4687	" " " 5" ..	Sweden		do.	*0	0	1½		} J. Danks & Sons Pty. Ltd.
4688	" " " 6" ..	"		do.	*0	0	1½		
†4689	" " " 7" ..	U.K.		do.	*0	0	2½		McPherson's Pty. Ltd.
†4690	" " " 6" x ¼" heavy	Sweden	do.	*0	0	5	J. Danks & Sons Pty. Ltd.		

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
<b>BUILDERS' IRONMONGERY—continued.</b>						
	Hinges, of any thickness and strength ordered—					
4691	Bed or Back Flap, Iron, 1" ..	Sweden		pair		
4692	" " " 1½" ..	"		do.		
†4693	" " " 2" ..	"	100 pairs	do.		
4694	" " " 2½" ..	"		do.		Nil
4695	" " " 3" ..	"		do.		
4696	Butt, Brass, 1" ..	"		do.		
4697	" " 1½" ..	N.S.W.		do.	0 0 5½	
†4698	" " 2" ..	"		do.	0 0 7½	
4699	" " 2½" ..	"	120 pairs	do.	0 0 11¼	C. J. White & Sons Pty. Ltd.
4700	" " 3" ..	"		do.	0 1 5	
4701	" " 3½" ..	"		do.	0 2 3	
4702	" " 4" ..	"		do.	0 3 6	
†4703	Butt, Cast Iron, 1" ..	U.K.		do.	*0 0 3	J. Danks & Sons Pty. Ltd.
†4704	" " 1½" ..	"		do.	*0 0 3	
†4705	" " 2" ..	"		do.	0 0 2	E. Duckett & Sons
4706	" " 2½" ..	"		do.	0 0 6	
4707	" " 3" ..	"	12 pairs	do.	*0 0 9	J. Danks & Sons Pty. Ltd.
†4708	" " 3½" ..	"		do.	0 0 8	E. Duckett & Sons
†4709	" " 4" ..	"		do.	0 0 9	
†4710	" " 4½" ..	"		do.		
†4711	" " 5" ..	"		do.		
4712	" Steel, 1" ..	"		do.		
4713	" " 1½" ..	"		do.		
4714	" " 2" ..	"		do.		Nil
†4715	" " 2½" ..	"	144 "	do.		
4716	" " 3" ..	"		do.		
4717	" " 3½" ..	"		do.		
4718	" " 4" ..	"		do.		
4719	" " 4½" ..	"		do.		
†4720	Hinges, Gothic, Iron, extra strong, any lengths ordered		4,000 ins.	inch		
†4721	" Strap, Iron, bent or straight, as ordered, any lengths ordered		10,000 "	do.		Nil
†4722	" T, Iron, any lengths ordered		10,000 "	do.		
4723	Hooks, Cup, Brassed, ¼" " Nettlefolds "	Vict.	1 doz.	dozen	0 0 3½	
†4724	" " " 1" ..	"	8 "	do.	0 0 5½	E. Duckett & Sons
4725	" " " 1½" ..	"	2 "	do.	0 0 7	
4726A	" and Eyes, Cabin, brass, 3" ..	N.S.W.		do.	0 8 4	
†4726B	" " " 4" ..	"	50 ins.	do.	0 9 4	C. J. White & Sons Pty. Ltd.
4726C	" " " 5" ..	"		do.	0 11 0	
4726D	" " " 6" ..	"		do.	0 12 8	
4727	Hooks and Eyes, Cabin, brass, 1" ..	U.K.		do.	*0 0 8	J. Danks & Sons Pty. Ltd.
†4728	" " " 1½" ..	"	2 doz.	do.	*0 0 10	
4729	" " " 2" ..	"		do.	*0 1 3	
†4730	Knobs, Brass, and Spindles for Rim Locks, 2½", milled edge (No. 326 M.E.)	"	200 sets	set	*0 2 0	Briscoe & Co. Ltd.
†4731	Lifts, Sash, brass ring		10	each		Nil
4732	Links, Split, ⅝" or ¾", as ordered		50 lb.	lb.		
4733	Pulleys, Secret Axle, 1½"	U.K.	7 doz.	dozen	*0 2 6	Boyes Bros.
†4734	" Sash, brass-faced, 5"		12	each		Nil
†4735	Pulls, Drawer, Oxidized	Vict.	6 doz.	dozen	0 2 0	E. Duckett & Sons
*4736	Rollers, Gunmetal, slotted, for Window Sashes		9 "	do.		Nil
†4737	Rollers, Wooden, Spring, Blind, complete, 48", approx. 1½" diameter " J. Gadsden "	Vict.	12 "	do.	1 4 0	
†4738	" Wooden, Spring, Blind, complete, 36", approx. 1½" diameter " J. Gadsden "	"	8 "	do.	1 3 0	E. Duckett and Sons
4739	Stoves, " Dumpy," No. 2, without pipe		4	each	0 19 6	R. Grieves
4740	" " " No. 3		2	do.	1 2 6	
4741	" One-fire, 30" x 18" x 27"		100	do.	4 9 3	Galliers & Klaerr Pty. Ltd.
†4742	Springs, Door, Spiral, 9"		15	dozen	0 9 6	G. Russell Ltd.
†4743	" " " 10"		20	do.		Nil
†4744	" " " 11"	Vict.	20	each	0 1 2	
†4745	Turns, Cupboard, Brass, 1½"	U.K.	60 doz.	dozen	0 6 11	E. Duckett and Sons
4746	Nil					
to						
4796						

SUNDRY IRONMONGERY (TOOLS).

The Chain Pulley Blocks under Items Nos. 4800 to 4801 shall be tested by maker to 50 per cent. in excess of capacity and the Contractor shall furnish to the Corporation the test certificate when called upon.

\* Plus ruling rate of T.T. Exchange on date of delivery on 80 per cent.

The rates for Items 4845, 4846, and 4849 are firm as regards T.T. Exchange.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
†4797	Bits, Brace, screw, ¼" to 1", as ordered, "Ridgway's"	U.K.	100-8ths	¼th of inch	*0	0	3½	Briscoe & Co. Ltd.
†4798	„ German type, any sizes ordered up to ¾"		72	each				Nil
†4799	„ Solid centre, any sizes ordered, "Whitehouse"	U.K.	30-8ths	¼th of inch	*0	0	6	McPherson's Pty. Ltd.
	Blocks Chain Pulley, provided with 20' lift (40' chain) and 40' hand chain, "Hyper-Acme"—							
4800	10 cwt.		1	each				Nil
4801	20 cwt.		1	do.				Nil
†4802	Braces, Carpenters', Ratchet, 12", "Chapman's" No. 61	U.K.	10	do.	*0	8	0	Welch, Perrin & Co. Pty. Ltd.
	Chisels, Socket (handled), "Woodcock Sons & Co."—							
4803	½"		12	do.	*0	1	11½	McPherson's Pty. Ltd.
4804	¾"		1	do.	*0	2	2½	
†4805	1"		4	do.	*0	2	6	
4806	1¼"		6	do.	*0	2	11½	
4807	1½"		2	do.	*0	3	5	
†4808	Frames, Hack, Saw, adjustable		72	do.				Nil
†4809	Irons, Soldering, handled, 1½ lb. (copper bar not cast), "Hawkes and Jowett"	N.S.W.	3	do.	0	2	6	J. Danks & Son Pty. Ltd.
4810	„ „ „ 2 lb. (copper bar not cast)	Vict.	50	do.	0	3	6	McPherson's Pty. Ltd.
†4811	„ „ „ 2½ lb. (copper bar not cast)		6	do.	0	4	2	
†4812	Knives, Farriers', Shoeing		6	do.				Nil
†4813	„ Shoemakers'		72	do.				Nil
†4814	Levels, Spirit, 8", No. 1326, "Rabones"	U.K.	6	do.	*0	1	7½	McPherson's Pty. Ltd.
4815	Oilers, Zinc, short spout, No. 1		150	do.				
†4816	Pliers, 5", angle cutting		4 pair	pair				
†4817	„ 6", square-nosed and cutting		70	do.				
†4818	„ 8", square-nosed and cutting		70	do.				
†4819	„ Gas, 8"		12	do.				Nil
†4820	Rakes, Steel, handled, 16" to 18", as ordered		600 in.	per in.				
†4821	Rules, Box, 2', fourfold		100	in width each				
†4822	Screwdrivers, Flat Blade, any sizes ordered, "D. Moseley's"	U.K.		in. of blade	*0	0	2½	McPherson's Pty. Ltd.
†4823	„ Round Blade, "Woodcocks," or any suitable alternative, any sizes ordered		750 in.	do.				Nil
†4824	Screws, Hollow Set, ½"		144	each				
†4825	Scythes, Blades only, ordinary, 24", "Tyzack's Elephant" (bramble blade)	U.K.	50	do.	*0	7	0	C. S. Green & Son
†4826	„ Blades only, ordinary, 30", "Tyzack's Horseman" (unbreakable point)		100	do.	*0	7	11	Hardware Co. of Aust. Pty. Ltd.
†4827	Snips, Steel, Tinman's, 6" to 14", as ordered		50 in.	inch				Nil
†4828	Stones, Carborundum, 8" x 2" x 1"		18	each				
†4829	„ Scythe, "Carborundum 191c." oval	U.K.	12 doz.	dozen	*0	11	6	C. S. Green & Son
	Spanners, Single Ended, Drop Forged, with unpolished jaws—							
4830	½", "Sheffield Steel Products"		36	each	*10	0	4½	McPherson's Pty. Ltd.
4831	¾"		36	do.	*10	0	5½	
4832	1"		6	do.	*10	0	9	
4833	1½"		60	do.	*10	0	10	
4834	2"		20	do.	*10	1	11½	
†4835	2½"		50	do.	*10	1	7	
4836	3"		50	do.	*10	2	1½	
4837	4"		60	do.	*10	2	9	
4838	1½"		25	do.	*10	3	10	
4839	1¾"		12	do.	*10	4	9	

† Less 5 per cent.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
<b>SUNDRY IRONMONGERY (TOOLS)—continued.</b>						
Spanners, Single-Ended, Drop Forged— <i>continued.</i>						
†4840	1½", polished jaws, "T. Smith & Sons"	U.K.	12	each	*0 5 5	Hardware Co. of Aust. Pty. Ltd. McPherson's Pty. Ltd.
†4841	1½", polished jaws, "T. Smith & Sons"	"	20	do.	*0 6 10	
†4842	1½", unpolished jaws, "Sheffield Steel Products"	"	20	do.	*10 9 0	
Spanners, Steel, "Clyburn"—						
4843	6" to 8", as ordered	"	1,000 in.	inch	..	Nil
4844	9" to 14", as ordered	"	2,000 "	do.	..	
†4845	15", "J. Evans & Sons"	U.K.	2	each	0 4 6	E. Duckett & Sons
4846	16" "	"	2	do.	0 4 9	
4847	18" "	"	12	do.	..	Nil
4848	21" "	"	12	do.	..	
†4849	24", "J. Evans & Sons"	U.K.	6	do.	0 10 0	E. Duckett & Sons
Spanners, Steel, "Footprint"—						
4850	5½" "	"	2 pairs	pair	..	Nil
4851	7" "	"	2 "	do.	..	
†4852	9" "	"	60 "	do.	..	
4853	12" "	"	2 "	do.	..	
4854	14" "	"	6 "	do.	..	
Spanners, Set, Double-ended, Drop Forged, with unpolished jaws—						
4855	¾" x 1½", "Sheffield Steel Products"	U.K.	100	each	*10 0 10½	McPherson's Pty. Ltd.
†4856	¾" x 1½" "	"	84	do.	*10 1 5½	
4857	¾" x 1½" "	"	100	do.	*10 1 2½	
†4858	Tubes, Spirit Level, 1½" x 11½"	"	6 doz.	dozen	..	Nil
†4859	" " 2½" x 3½"	"	6 "	do.	..	
Tapes, Metallic, with flush folding handles—						
4860	33', in decimals of yards and feet, "Rabone's," No. 401	U.K.	1	each	*0 9 0	Briscoe & Co. Ltd.
†4861	66' "	"	12	do.	*0 13 0	
†4862	66', in links and feet, "Rabone's," No. 400	"	12	do.	*0 10 9	Welch, Perrin & Co. Pty. Ltd.
4863	Tapes, Steel— 33', in decimals of yards and feet, "Rabone's," No. 415	"	1	do.	*0 17 6	
†4864	66' "	"	1	do.	*1 10 0	Briscoe & Co. Ltd.
4865	33', in links and feet, "Rabone's" "	"	1	do.	*0 14 0	
4866	66' "	"	1	do.	*1 4 0	Nil
†4867	Trowels, Bricklayers', "L.H. or R.H.," as ordered	"	4	do.	..	
†4868	" Plasterers' "	"	2	do.	..	
Refills for Metallic Measuring Tapes—						
†4869	33', in decimals of yards and feet	"	1	do.	..	Nil
4870	66' "	"	1	do.	..	
†4871	66', in links and feet, "Rabone's," No. 404	U.K.	30	do.	*0 7 6	McPherson's Pty. Ltd.
4872	Wrenches, "Stillson's" type, 14"	"	60	do.	..	
4873	" " " 24"	"	60	do.	..	Nil
4874	" " " "	"	..	..	..	
4950	to Nil	..	..	..	..	

† Less 5 per cent.

**HAMMERS (CAST STEEL).**

Hammers, Cast Steel—						
†4951	Claw, with handles equal to Brades No. 3..	..	60	each	..	Nil
†4952	Shoeing	..	2	do.	..	
†4953	Chipping, 1-lb.	..	48	do.	..	
†4954	Engineers' Hand, 1, 1½, 1½, and 2 lb., as ordered	..	250 lb.	..	..	Nil
4955	to Nil	..	..	..	..	
4956	to Nil	..	..	..	..	
4959	to Nil	..	..	..	..	

**PLUMBERS' GOODS AND SEWERAGE MATERIALS.**

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



PLUMBERS' GOODS AND SEWERAGE MATERIALS—continued.

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

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

**SPECIFICATION FOR ITEM 5011.—Urinals and Channels.**—The urinals shall be 2 feet wide, 12 inches deep, and 3 ft. 10½ in. high, with bottoms rebated for channels. The channel blocks shall be 2 feet long, 6 inches wide, and 3 inches deep, with 4-in. channels, graded to outlets where required. The outlets, 2½-in. diameter, shall be rebated for 3½-in. diameter gratings. The ends of channels shall be stopped where required.

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

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

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

**SPECIFICATION FOR ITEM 5010.—Trough Lavatories.**—The troughs shall be of strong cast-iron, porcelain enamelled inside and painted white outside, of approved section, and about 16 inches wide over all. The castings shall be of convenient length with approved joints, so that when bolted together they shall be true and watertight. Strong wrought-iron brackets shall be supplied with the troughs, one at each joint and one at each end. Bolts and screws shall be supplied, and all necessary fittings for the proper fixing of the trough lavatories. Outlets, 2-in. diameter, with gratings shall be provided where and when required.

The taps and sprayers shall be nickelplated and as follows:—½-in. high-pressure brass stop-cocks threaded for iron piping, and fitted with ½-in. diameter slightly-bent tubes fitted with fine roses, the tubes and roses shall be about 4 inches in length over all, and shall have ⅜ inch set screws for keeping sprays in position.

One ½-inch high-pressure stop-cock, complete with slightly-bent tube and rose, shall be supplied with every 2 feet length of trough lavatory.

Items 4976, 4977, and 4978 are firm as regards T.T. Exchange and Conversion.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
<b>PLUMBERS' GOODS.</b>								
4960	Balls, Fire Plug, Ebonite .. .. .	Vict.	3	each	0	3	9	J. Danks & Son Pty. Ltd.
†4961	Bitumen Jointing .. .. .	..	336 lb.	lb.	..	..	..	Nil
	Clips, Bracket, Nickel Silver, with 1½" shanks to fit—							
4962	½" copper pipe .. .. .	Vict.	12	dozen	1	1	0	} J. Danks & Son Pty. Ltd.
†4963	1" copper pipe .. .. .	..	12	do.	1	4	0	
4964	1½" copper pipe .. .. .	..	6	do.	1	11	0	
†4965	½" galvanized wrought-iron pipe .. .. .	..	6	do.	1	1	0	
4966	½" galvanized wrought-iron pipe .. .. .	..	6	do.	1	4	0	
*4967	Gates (Taps), Treacle, C.I., japanned, Standard Gas Thread	..	1	each	..	..	..	
Meters, Water, Gunmetal Cases—								
4968	(M) ½" .. .. .	..	..	..	..	..	..	} Nil
4969	(M) ¾" .. .. .	..	6	each	..	..	..	
4970	(M) 1" .. .. .	..	..	..	..	..	..	
4971	(M) 1½" .. .. .	..	..	..	..	..	..	
4972	(M) 1½" .. .. .	..	..	..	..	..	..	
4973	(M) 2" .. .. .	..	..	..	..	..	..	
4974	(M) 3" .. .. .	..	..	..	..	..	..	
4975	(M) 4" .. .. .	..	..	..	..	..	..	
†4976	Tape, Meter, ⅞" wide .. .. .	U.K.	60 yards	dozen yards	0	3	4	Davies Shephard Pty. Ltd.
4977	Paste, Soldering, "Sterling," in 2-oz. tins .. .. .	U.S.A.	20 lb.	lb.	0	2	7	} Remingtons Pty. Ltd.
4978	" " "Sterling," in 1-lb. tins .. .. .	..			0	2	4	
4979	Nil	..	..	..	..	..	..	

Item No.	Description	Country of Manufacture.	Estimated Requirements	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
<b>SEWERAGE MATERIALS.</b>								
<b>LAVATORY BASINS, CISTERNS, ETC.</b>								
4980	Basins, Lavatory, Cast Iron, porcelain enamelled, flat back, with patent overflows, including nickel-plated tap, 1½" plug and washer (M), and approved cast iron brackets, 22" x 16", including 1 No. china button for taphole.	Vict.	12	each	1	17	6	Currie & Richards Pty. Ltd.
4981	Basins, Lavatory, Cast Iron, porcelain enamelled, flat back, without overflow, including nickel-plated tap, 1½" plug and washer (BE), and approved cast or wrought iron brackets, 22" x 16", including 1 No. china button for taphole	..	4	do.				} Nil
4982	Basins, Lavatory, Cast Iron, porcelain enamelled, flat back, without overflow including nickel-plated tap, 1½" plug and washer, (BA), and approved cast or wrought iron brackets, 22" x 16", including 1 No. china button for taphole	..	10	do.				
4983	Basins, Lavatory, Cast Iron, porcelain enamelled, 14" inside measurements, with patent overflow, plug and washer	Vict.	3	do.	0	19	0	J. & T. Muir Pty. Ltd.
4984	Basins, Lavatory, Cast Iron, porcelain enamelled, angle, with patent overflow, including nickel-plated tap, 1½" plug and washer (M), and approved cast iron brackets, 25" x 20" including 1 No. china button for taphole	..	4	do.	1	17	6	Currie & Richards Pty. Ltd.
4985	Basins, Lavatory, Cast Iron, porcelain enamelled, angle, without overflow, including nickel-plated tap, 1½" plug and washer (BE), and approved cast iron brackets, 25" x 20", including 1 No. china button for taphole, "Laughton," F.O.R. Spencer-street	..	10	do.	1	19	0	} J. Danks & Son Pty. Ltd.
4986	Basins, Lavatory, Cast Iron, porcelain enamelled, angle, without overflow, including nickel-plated tap, 1½" plug and washer (BA), and approved cast iron brackets, 25" x 20", including 1 No. china button for taphole, "Laughton," F.O.R. Spencer-street	..	4	do.	1	19	0	
4987	(M) Cisterns, Cast Iron, glass enamelled, 3-gallon, with cover, high or low pressure ball cock (M), as ordered	..	60	do.	1	12	6	J. McIlwraith & Co. Pty. Ltd.
4988	(BE) Cisterns, Cast Iron, glass enamelled 2-gallon, with cover, high or low pressure ball cock (BE), as ordered, F.O.R. Ballarat	..	4	do.	2	1	0	Estate of late S. K. McIver
4989	(BA) Cisterns, Cast Iron, glass enamelled, 3-gallon, with cover, high or low pressure ball cock (BA), as ordered, F.O.R. Ballarat	..	12	do.	1	12	6	J. McIlwraith & Co. Pty. Ltd.
4990	(M) Pans, Closet, Pedestal, Class 4, P. trap ..	..	2	do.	1	2	6	} Hoffman Brick & Pot-teries Ltd.
4991	(BE) Pans, Closet, Pedestal, strong cane and white, P. or S. traps, as ordered, vented, and left or right hand, as ordered, F.O.R. Bendigo	..		do.	1	3	0	
4992	(BE) Pans, Closet, Pedestal, strong cane and white, P. or S. traps, as ordered, unvented, left or right hand, as ordered, F.O.R. Bendigo	..	6	do.	1	3	0	} G. D. Guthrie & Co. Pty. Ltd.
4993	(BA) Pans, Closet, Pedestal, strong cane and white, P. or S. traps, as ordered, vented, and left or right hand, as ordered, F.O.R. Ballarat	..	12	do.	1	3	0	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.	
					£	s.	d.		
<b>SEWERAGE MATERIALS—continued.</b>									
4994	(M) Pans, Closet, Pedestal, Class 4, S. trap, vented, and right or left hand, as ordered,	Vict.	40	each	1	2	6	Hoffman Brick & Pot-teries Ltd.	
4995	(M) Pans, Closet, Pedestal, Class 4, S. trap, unvented, and right or left hand, as ordered,			do.	1	2	6		
4996	Pans, Closet, Earthenware, for cars, to Drawing No. 6761			do.	2	0	0		
4997	„ Lavatory, Earthenware, for cars, to Drawing 4072n			do.	2	10	0		
Sinks, Cast Iron, porcelain enamelled, with patent overflows, plugs and washers—									
4998	15" x 14" x 7" .. .. .	„	6	do.	1	3	6	Shanks & Co. Pty. Ltd.	
4999	18" x 14" x 7" .. .. .	„	6	do.	1	1	9		
5000	21" x 14" x 7" .. .. .	„	3	do.	1	4	6		
5001	24" x 14" x 7" .. .. .	„	3	do.	1	8	0		
Sinks, Cast Iron, porcelain enamelled, without overflows, including plugs and washers—									
5002	(Be) 15" x 14" x 7" .. .. .	} Vict.	4	do.	..	..	..	} Nil	
5003	(BA) 15" x 14" x 7" .. .. .			do.	..	..	..		..
5004	(Be) 18" x 14" x 7" .. .. .			do.	6	do.	..		..
5005	(BA) 18" x 14" x 7" .. .. .			do.	..	do.	..		..
5006	(Be) 21" x 14" x 7" .. .. .			do.	4	do.	..		..
5007	(BA) 21" x 14" x 7" .. .. .			do.	..	do.	..		..
5008	(Be) 24" x 14" x 7" .. .. .			do.	4	do.	..		..
5009	(BA) 24" x 14" x 7" .. .. .			do.	..	do.	..		..
5010	(M) Trough Lavatories, C.I., porcelain enamelled, with nickel-plated taps and sprays, complete with N.P. waste fitting, W.I. brackets and jointing material, any length of trough ordered (one tap and rose to every 2 feet)			Vict.	60 feet	foot	1		6
†5011	Urinals and Channels, salt-glazed, any number of stalls ordered	„	20 stalls	stall	4	8	0	Aust. Tesselated Tile Co. Pty. Ltd.	
Valves, Sluice—									
5012	3" .. .. .	Vict.	2	each	2	11	0	} G. P. Thick	
5013	4" .. .. .	„	5	do.	2	17	6		
5014	5" .. .. .	} Vict.	2	each	5	10	0	} Nil	
5015	6" .. .. .			do.	..	..	..		..
5016	9" .. .. .	„	3	do.	11	15	0	} G. P. Thick	
5017	10" .. .. .	„	4	do.	14	0	0		
Valves, Retention, Spigot and Faucet ends, and to the M.M.B.W. standard—									
5018	3" .. .. .	} ..	2	each	..	..	..	} Nil	
5019	4" .. .. .			do.	..	..	..		..
5020	5" .. .. .			do.	..	..	..		..
5021	6" .. .. .			do.	2	each	..		..
5022 to 5024	} Nil.								

**PLUMBERS' GOODS (GALVANIZED IRONWARE).**

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

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

As regards items marked (BA) and (Be), provisional delivery will be accepted at Spencer-street Railway Station.

As regards Items Nos. 5035-5038 and 5046-5055, all galvanized articles shall withstand being dipped into a saturated solution of copper sulphate at 15 deg. C. and allowed to remain in the solution for one minute, then withdrawn and wiped clean; the galvanizing shall withstand this process being performed four times without there being any sign of a reddish deposit of metallic copper on the article.

As regards Items 5057 and 5058, this Spelter is provided for purposes of brazing tubes at Newport. For all other uses Spelter manufactured at Reclamation Depot is to be obtained.

The items of U.K. manufacture are firm as regards Exchange.

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

PLUMBERS' GOODS (GALVANIZED IRONWARE)—continued.

	Bolts and Nuts, Galvanized, rolled thread, mushroom slotted head, and square nuts—						
5025	$\frac{3}{16}$ " diameter x $\frac{3}{8}$ " and $\frac{1}{2}$ " long	Vict.		gross	† 0 2 5	E. Duckett & Sons	
5025A	" " $\frac{3}{8}$ " long	"	10 gross	do.	† 0 2 7		
5025B	" " $\frac{1}{2}$ " long	"		do.	† 0 2 9		
5025C	" " $\frac{3}{4}$ " long	"		do.	† 0 2 11		
5025D	" " 1" long	"		do.	† 0 3 0		
5025E	" " $1\frac{1}{4}$ " long	"		do.	† 0 3 3		
5026	$\frac{1}{4}$ " " $\frac{1}{4}$ "	"		do.	† 0 3 11		
5026A	" " $\frac{3}{8}$ "	"		do.	† 0 4 1		
5026B	" " $\frac{1}{2}$ "	"		do.	† 0 4 3		
5026C	" " $\frac{3}{4}$ "	"		do.	† 0 4 5		
5026D	" " 1"	"		do.	† 0 4 7		
5026E	" " $1\frac{1}{4}$ "	"		do.	† 0 5 0		
5026F	" " $1\frac{1}{2}$ "	"		do.	† 0 5 4		
5026G	" " $1\frac{3}{4}$ "	"		do.	† 0 5 8		
5026H	" " 2"	"		do.	† 0 6 0		
5027	Clips, Hose, $\frac{3}{8}$ "	"		80 doz.	dozen		..
5028	Clips, Pipe, Beaded, Galvanized— $\frac{1}{2}$ " or $\frac{3}{4}$ ", as ordered	U.K.		30	do.	0 0 2 $\frac{1}{2}$	John Danks & Son Pty. Ltd.
5029	1" .. .. .	"	5	do.	0 0 4 $\frac{1}{2}$		
5030	Clips, Vent— $1\frac{1}{2}$ " for Galvanized Sheet Iron Pipes	Vict. (partly)	50	each	0 0 1		
5031	$1\frac{1}{2}$ " for Wrought Iron Pipes	"	50	do.	0 0 1	W. E. Cash	
5032	$1\frac{1}{2}$ " for Wrought Iron Pipes	"	50	do.	0 0 1 $\frac{1}{2}$		
5033	2" for Wrought Iron Pipes	"	50	do.	0 0 1 $\frac{1}{2}$		
5034	Cowls, Educt, 4", 22 gauge	"	10	do.	0 1 9	John Danks & Son Pty. Ltd.	
	Down-pipe, Galvanized Iron, 24 gauge, in 6' lengths—						
5035	2" .. .. .	Vict. (partly)	340	lgths. length	0 1 3		
5036	2 $\frac{1}{2}$ " .. .. .	"	700	do.	0 1 6 $\frac{1}{2}$		
5037	3 $\frac{1}{2}$ " .. .. .	"	500	do.	0 1 7 $\frac{1}{2}$	John Danks & Son Pty. Ltd.	
5038	4" .. .. .	"	150	do.	0 2 1		
	Hooks, Pipe, Galvanized—						
5039	$\frac{1}{2}$ " .. .. .	U.K.	20 doz.	dozen	0 0 7 $\frac{1}{2}$	Currie & Richards Pty. Ltd.	
5040	$\frac{3}{4}$ " .. .. .	"		do.	0 0 9		
5041	1" .. .. .	"		do.	0 0 11 $\frac{1}{2}$		
5042	$1\frac{1}{4}$ " .. .. .	"		do.	0 1 1		
5043	$1\frac{1}{2}$ " .. .. .	"	24	do.	0 1 5	Currie & Richards Pty. Ltd.	
5044	2" .. .. .	"		do.	0 1 10	John Danks & Son Pty. Ltd.	
5045	(M) Offsets, 20 G, 4", with 4" to 6" projections, as ordered	Vict. (partly)	6	each	0 8 0	W. E. Cash	
	Pipes, Flush, any projections ordered—						
5016	(M) $1\frac{1}{2}$ " .. .. .	"	24	do.	0 4 0		
5047	(BE) $1\frac{1}{2}$ " .. .. .	"	6	do.	0 4 0		
5048	(BA) $1\frac{1}{2}$ " .. .. .	"	6	do.	0 4 0		
	Pipe, Vent, in 6' lengths—						
5049	(M) 4" x 20 G. .. .. .	"	40	lgths. length	0 4 10		
5050	(BE) 4" x 20 G. .. .. .	"	30	do.	0 4 10		
5051	(BA) 4" x 20 G. .. .. .	"	30	do.	0 4 10		
5052	(M) 3" x 20 G. .. .. .	"	12	do.	0 4 0		
5053	(BE) 3" x 20 G. .. .. .	"	6	do.	0 4 0		
5054	(BA) 3" x 20 G. .. .. .	"	6	do.	0 4 0		
5055	Screws, Galvanized, cone head, any sizes ordered	U.K.	8 cwt.	lb.	0 0 11 $\frac{1}{4}$	E. Duckett & Sons	
	Spelter—						
5056	No. 1 .. .. .	"	2	do.	0 0 11 $\frac{1}{4}$	Currie & Richards Pty. Ltd.	
5057	No. 2 .. .. .	"	10	do.	0 0 11 $\frac{1}{4}$		
5058	No. 3 .. .. .	"	5	do.	0 0 11 $\frac{1}{4}$		
5059	No. 4 .. .. .	"	1	do.	..	Manufactured at Reclamation Depot	
5060	No. 5 .. .. .	"	7	lb.	do.		

† Less 17 $\frac{1}{2}$  per cent.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
<b>PLUMBERS' GOODS (GALVANIZED IRONWARE)—continued.</b>								
5061	Spikes and Tubes, Galvanized, for Spouting— 6" .. .. .	Vict.	100 doz.	dozen	0	0	6	A. E. & F. Tame
5062	7" .. .. .	(partly)	100 "	do.	0	0	9½	Currie & Richards Pty. Ltd.
5063	Strainers, Sheet Iron— (M) 1½" .. .. .	"	20	each	0	0	5	
5064	(M) 2" .. .. .	"	10	do.	0	0	5	W. E. Cash
5065	(M) 3" .. .. .	"	20	do.	0	0	8	
5066	(M) 4" .. .. .	"	6	do.	0	1	3	Currie & Richards Pty. Ltd.
5067	Washers, Cut Iron, Galvanized, any sizes ordered	U.K.	9 cwt.	cwt.	3	3	0	
5068 to 5076	Nil							

**CAST IRON WATER PIPES.**

All Cast-iron Pipes supplied by the Contractor shall be made from the best strong pig iron, free from all defects, and to the forms and dimensions of M.M.B.W. standard as shown on Drawing No. L292/23, equal sided, in 9-ft. lengths, for Items Nos. 5077 to 5080 and 5082 and in 12-ft. lengths for Items Nos. 5081 and 5083, when laid, and having spigot and faucet, the faucet to be properly grooved.

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

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

Diameter of Pipe.		Effective Length.		Weight.
3 inches	.. .. .	9 feet	.. .. .	122 lb.
4 "	.. .. .	9 "	.. .. .	160 "
6 "	.. .. .	9 "	.. .. .	276 "
9 "	.. .. .	9 "	.. .. .	525 "
9 "	.. .. .	12 "	.. .. .	683 "
12 "	.. .. .	9 "	.. .. .	774 "
12 "	.. .. .	12 "	.. .. .	1,007 "

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

Pipes, Cast Iron, Water—		Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
Diameter	Length				£	s.	d.	
3"	in 9' lengths	Vict.	2 tons	ton	10	17	6	Monteath & Sons Pty. Ltd.
4"	in 9' lengths	"	15 "	do.	10	17	6	
6"	in 9' lengths	"	12 "	do.	10	17	6	
9"	in 9' lengths	"	4 "	do.	12	17	6	
9"	in 12' lengths	"	..	do.	12	17	6	
5082	12" in 9' lengths	"	..	do.	..	..	..	Nil
5083	12" in 12' lengths	"	..	do.	..	..	..	Nil
5084 to 5086	Nil							

**IRON, AND MALLEABLE IRON, CASTINGS.**

All patterns lent by the Corporation will be delivered to the Contractor at Spencer-street Railway Station, 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.

**IRON CASTINGS.**

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 Iron 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 ordered while in process of manufacture.

The Castings are to be clean, sharp, free from surface scale, shell, cold shuts, blow holes, honeycomb, cinder, or any other imperfections, and are to be sound in every respect, and thoroughly close in grain. When specially ordered the Castings are to be run with heads or runners of such weight as may be ordered, and no extra charge will be allowed for same, and the Contractor shall remove the head or runner from the Casting where possible in the opinion of the 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 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.

IRON, AND MALLEABLE IRON, CASTINGS—*continued.*

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

The whole of the patterns (other than those which will be lent to the Contractor by the Corporation in connexion with any Castings which may be ordered under Item No. 5088) of any Castings ordered under Item No. 5087 shall be provided by and at the sole expense of the Contractor, and the cost of the same shall be deemed to be included in the rate set opposite to this item.

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

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

Tests.—When making any lot of Castings the Contractor, when ordered to do so, shall cast at the same time and from the same material at least one test bar in the presence of the Comptroller of Stores or his representative. Such test bar shall be 3 ft. 6 in. long, 2 inches deep x 1 inch wide, and shall be placed in a suitable machine with bearings 3 feet apart. A load of not less than 28 cwt. shall be placed at the centre, which the bar when showing a minimum deflection of 3 inches shall sustain without breaking.

MALLEABLE IRON CASTINGS, ITEMS Nos. 5089 to 5092.

The Castings shall be made to the exact forms and dimensions required by the Corporation, and are to be clean, sharp, free from surface scale, shell, cold shuts, blow holes, honeycomb, cinder, or any other imperfections.

Test Bars, 12 inches x 1 inch x 1/4 inch, taken from any Casting, shall be capable of being bent through an angle of not less than 90 degrees round a radius of 1 inch without showing signs of fracture.

The Corporation shall provide the patterns for all Castings ordered.

MALLEABLE IRON CASTINGS, ITEMS Nos. 5093 TO 5096 FOR USE BY THE ELECTRICAL ENGINEERING BRANCH.

The Corporation shall provide patterns for all Castings ordered.

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

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

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

Test Lugs.—All Castings, if of sufficient size, shall have cast thereon at least two lugs of a size proportional to the thickness of the Castings, and to the satisfaction of the Comptroller of Stores.

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

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

Workmanship.—The Castings shall conform substantially to the patterns or drawings furnished by the Corporation, and also to gauges which may be specified in individual cases. The Castings shall be made in a workmanlike manner. A variation of 1/4 inch per foot will be permitted.

Finish.—The Castings shall be free from injurious defects and shall be delivered suitable for hot dip galvanizing thoroughly cleaned of sand and scale by rumberling, sand-blasting, or a combination of both.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
5087	Castings, Iron, Special Water Supply, of the following standard sizes, or any combination thereof, the patterns for which shall be supplied by the Contractor:—3", 4", 5", 6", 7", 8", 9", and 12", consisting of 1/4", 1/2", or 3/4" bends; tee pieces, cross pieces, and thimbles, hatch boxes, pillar hydrant bends and tees, washout and fire-plug tees, also all fire-plugs and covers, valve covers, and reducing pieces of all irregular sizes; the thickness of metal and dimensions of pipe faucets and overall dimensions to be to the Melbourne and Metropolitan Board of Works standard	Vict.	2 tons	ton	20	0	0	J. & T. Muir Pty. Ltd.
5088	Castings, Iron, Special Water Supply, other than those referred to in Item No. 5087, which may be ordered, for which the Corporation will lend the patterns	"	1 "	do.	22	0	0	

IRON, AND MALLEABLE IRON, CASTINGS—continued.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
5089	Castings, Malleable Iron— Up to 1 lb. .. .. .	..	} 1,800 lb.	lb.	..	..	} Nil	
5090	Over 1 lb. and up to 5 lb. .. .. .	..		do.	..	..		
5091	Over 5 lb. and up to 15 lb. .. .. .	..		do.	..	..		
5092	Over 15 lb. .. .. .	..		do.	..	..		
5093	Castings, Malleable Iron, for use by Electrical Engineering Branch—to Specification. Up to 1 lb. .. .. .	..	2 cwt.	do.	..	..		
5094	Over 1 lb. and up to 5 lb. .. .. .	..	10 "	do.	..	..		
5095	Over 5 lb. and up to 15 lb. .. .. .	..	2 "	do.	..	..		
5096	Over 15 lb. .. .. .	..	2 "	do.	..	..		
5097 to 5100	Nil							

DRAPERY, FURNITURE, ETC., No. 1

\* Plus ruling rate of T.T. Exchange on date of delivery on 80 per cent.

†5101	Baize, Green, 72" wide .. .. .	Vict.	75 l. yds.	1 yd.	0	6	6	The Gair Manufacturing Co. Pty. Ltd.	
†5102	Corduroy, Plush, Green, 28" wide .. .. .	..	25 "	do.	..	..	..	Nil	
5103	Dusters, Feather— No. 5 .. .. .	Vict.	30	each	0	1	2	} Excelsior Broom Co.	
†5104	No. 34 .. .. .	"	350	do.	0	1	10½		
5105	No. 46 .. .. .	"	400	do.	0	3	9		
5106	No. 60 .. .. .	"	50	do.	0	4	2		
†5107	Dusters, Linen, check .. .. .	..	18 doz.	dozen	..	..	..	Nil	
	Eyelets and Brewsters, nickel—								
†5108	Single .. .. .	..	Nil	gross	..	..	..	} The Gair Manufacturing Co. Pty. Ltd.	
†5109	Double .. .. .	Vict.	3 gross	do.	1	9	6		
†5110	Treble .. .. .	..	Nil	do.	..	..	..	} Nil	
†5111	Fibre, Upholsterers', loose .. .. .	..	Nil	cwt.	..	..	..		
†5112	Hessian, for paperhanging, 72" wide .. .. .	..	200 l. yds.	lin. yd.	..	..	..	} The Gair Manufacturing Co. Pty. Ltd.	
†5113	" for upholstering, 72" wide .. .. .	U.K.	1,500 "	do.	*0	1	0		
*5114	Holland, any colours and widths ordered .. .. .	"	800 sq. yds.	sq. yd.	*0	1	4½		
†5115	Felt, for Linoleum, 6" .. .. .	..	Nil	l. yd.	..	..	..		
†5116	" vermin proof, ¾" mounted on 14 oz. canvas, 72" wide	..	200 l. yds.	do.	..	..	..	} Nil	
	Linoleum—								
†5117	Inlaid, 6' wide, any pattern selected, "A" quality	..	Nil	do.	..	..	..		
†5118	Plain, Brown, 6' wide, "A" quality .. .. .	..	1,000 l. yds.	do.	..	..	..		
†5119	" Terra Cotta, 6' wide, "A" quality, with painted back	..	Nil	do.	..	..	..		
†5120	" Green, 6' wide, "A" quality .. .. .	..	200 l. yds.	do.	..	..	..		
†5121	Mops, Cotton, 24-oz., spiked (heads only) .. .. .	Vict.	} 200 doz.	dozen	1	7	0		} Downs & Son Pty. Ltd.
†5122	" 16 oz., spiked (heads only) .. .. .	..		do.	do.	0	19		
†5123	Staples, breeching, for holding down blinds, 1¼", 1½", or 1¾" as ordered	U.K.	1 gross	gross	*0	13	0		The Gair Manufacturing Co. Pty. Ltd.
†5124	Studs, press, nickel .. .. .	..	Nil	do.	..	..	..		Nil
†5125	Towels, (Sana Tex), "Camelia" .. .. .	Vict. (partly)	200 doz.	dozen	0	1	8	Joseph Nathan & Co. (Aust.) Pty. Ltd.	
FURNITURE.									
†5126	Bottoms, Chair, 3 ply, perforated, any sizes and shapes ordered	..	200	each	..	..	..	} Nil	
†5127	Chairs, Vienna pattern, with stiffening pieces between the back and seat	..	Nil	do.	..	..	..		
†5128	" Revolving, high back .. .. .	..	Nil	do.	..	..	..		
*5129	Chairs, Revolving, low back, "Douglas" .. .. .	..	Nil	do.	..	..	..		
*5130	" Office, arm, rigid, "Douglas" .. .. .	..	24	do.	..	..	..		
5131 to 5139	Nil								

**TIMBER.**

The Timber, other than that required for use at Newport and Spotswood Workshops, will be inspected at any railway station at which such Timber shall have been delivered as provided for in clause 12 of the Conditions of Contract, and will be liable to rejection at such railway station in manner provided in clause 13 of the said Conditions of Contract.

No timber required for use at Newport or Spotswood will be inspected until it shall have been received at Newport or Spotswood, and it will then be liable to rejection in manner provided in clause 13 of the said Conditions of Contract.

Notwithstanding anything to the contrary contained in the said clause 13, the Contractor will not be required in respect of any Timber so rejected at Newport or Spotswood to pay carriage on the same to Newport or Spotswood from the railway station at which such Timber so rejected shall have been delivered as aforesaid. In the event of the Contractor requiring such rejected Timber to be carried by rail from Newport or Spotswood to the railway station at which the same was delivered as aforesaid or to any other railway station or siding, full railway freight will be charged therefor.

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

**General.**—The Timber shall be supplied in such sections or shapes as may be ordered, and be of the first quality, thoroughly seasoned, free from large, loose, or dead knots, shakes, heart, sap, and all other imperfections, thoroughly sound and close grained or free as may be required. **Cross-grained Timber will not be accepted.**

**Timber—Oregon, Sawn.**—The grades "Merchantable," "Selected ex Merchantable," and "Imported Selected," No. 2 Clear or Better, shall comply with the grading rules specified in "N" list adopted by the West Coast Lumbermen's Association and British Columbia Lumber and Shingle Manufacturers Ltd. of America.

**Merchantable.**—This grade of Oregon shall consist of sound strong Timber of firm grain and suitable for good substantial constructional purposes, free from loose or dead knots, knot holes, shakes, rot, and defects which materially impair the strength of the piece.

This grade shall contain an average of four (4) or more annular rings to the inch at either one end or the other of the piece.

**Selected ex Merchantable.**—This grade of Oregon, obtained from the "Merchantable" grade, shall be selected for strength with regard to its suitability for high class constructional and structural purposes. The number and size of knots (small and few of them) and other defects shall be considered in connexion with the size of a piece and so placed that they will not materially impair its strength.

Oregon of this grade shall be of firm grain and shall contain not less than an average of six (6) annular rings to the inch at either one end or the other of the piece.

**Imported Selected, No. 2 Clear or Better.**—This Timber must be of the first quality selected grade of Oregon, free from all objectionable knots and defects of every description or kind.

This grade shall contain six (6) or more annular rings to the inch at either one end or the other of the piece.

**Timber—Hardwood, Australian.**—The Timber supplied shall be of the first quality, "Air" or "Kiln" dried, thoroughly seasoned, sapwood being entirely removed, free from insect pests, knots, splits, shakes, heart, wane, gum veins, flaws, and blemishes of every description or kind, uniform in substance throughout.

Each board supplied under Items Nos. 5196-5197 and 5200 shall bear the stamp of the sawmill at which it is milled.

**Timber—Pinus Radiata (Insignis).**—The Timber supplied shall be of the first quality, "Air" or "Kiln" dried, thoroughly seasoned, sapwood being entirely removed, free from loose, dead, or objectionable knots, insect pest, splits, shakes, gum veins, heart, wane, flaws, and blemishes of every description or kind, uniform in substance throughout.

Where it is necessary to saw Timber to taper or other peculiar sections or shapes, payment shall be made for the size of Timber from measurement obtained at the largest finished section.

With the exception of sawn Oregon Timber, Items Nos. 5164 to 5175, all sections and shapes shall be full to sizes ordered, including Oregon supplied in fitches.

With regard to sawn Oregon Timber, Items Nos. 5164 to 5175, one-eighth of an inch shall be allowed in width and thickness for sawing, but payment shall be made for the nominal section specified in the order.

In the event of Timber being ordered for the Works Depot at Laurens-street, North Melbourne, and where such Timber will be supplied ex Metropolitan Yards or ex Wharf, the Contractor shall give delivery by road, and the rates in this Schedule shall include the cost of such delivery. Further, inspection in such instances will not be made until the Timber has been received at the Depot referred to.

Unless the Timber be ordered in lengths involving some fraction of a foot, no fraction of a foot in length will be paid for.

The Contractor will not be required to load the Timber into railway trucks at Spencer-street Goods Sheds.

**MOULDINGS, ETC.**

The Timber contained in the Mouldings, &c., shall be of the first quality, thoroughly seasoned, free from knots, shakes, heart, sap, and all other imperfections. Trade widths, unless otherwise specified, shall be accepted for all Mouldings, but they shall not be more than ¼ inch under the nominal sizes. Thicknesses shall stand up full to sizes specified in the Schedule.

All rates are for delivery at Spencer-street or Metropolitan Depots, as per clause 12 of Conditions of Contract.

These contracts will not be infringed by the purchase of *Pinus Radiata* of South Australian production for purpose of comparative tests.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.	
					£ s. d.		
	Hoop Pine, 1", 1½", 1¾", and 2" thick, 10' and up to 18' in length, as ordered—			Super. feet of 1" thick.	100 sup. ft. of 1" thick.		
5140	12" wide .. .. .	Q'land	2,500	do.	2 4 6	W. Cook Pty.Ltd.	
5141	14" wide .. .. .			do.	2 6 6		
5142	16" wide .. .. .			do.	2 8 6		
5143	18" wide .. .. .			do.	2 10 0		
	Kauri, Queensland, 1", 1½", 1¾", and 2" thick, 10' and up to 18' in length, as ordered—						
5144	12" wide .. .. .	"	2,500	do.	2 15 0		
5145	14" wide .. .. .			do.	2 17 0		
5146	16" wide .. .. .			do.	2 19 0		
5147	18" wide .. .. .			do.	3 3 0		



Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
<i>TIMBER—continued.</i>								
	Yellow Pine, 1", 1½", 1¾", and 2" thick, in random lengths 10' and up to 16' in length, as ordered—			Sup. ft. of 1" thick	100 sup. ft. of 1" thick.			
5148	8" wide .. .. .	}	2,000		do.		} Nil	
5149	10" wide .. .. .				do.			
5150	12" wide .. .. .				do.			
5151	14" wide .. .. .				do.			
5152	16" wide .. .. .				do.			
5153	18" wide .. .. .				do.			
	<i>Pinus radiata (insignis)</i> "Air" dried, 12 per cent. moisture content, 1", 1½", 1¾", and 2" thick, 10' up to 16' in length, as ordered, ex State Forest, Macedon—							
5154	9" wide .. .. .	} Vict.	2,500		do.	1 2 3	} W. Cook Pty. Ltd.	
5155	10" wide .. .. .				do.	1 2 6		
5156	11" wide .. .. .				do.	1 5 0		
5157	12" wide .. .. .				do.	1 5 0		
	<i>Pinus radiata (insignis)</i> "Air" dried, 12 per cent. moisture content, 1", 1½", 1¾", and 2" thick, in random lengths 10' and up to 16', ex State Forest, Macedon—							
5158	9" wide .. .. .	} "	2,500		do.	1 2 3	} W. Cook Pty. Ltd.	
5159	10" wide .. .. .				do.	1 2 6		
5160	11" wide .. .. .				do.	1 5 0		
5161	12" wide .. .. .				do.	1 5 0		
	<i>Pinus radiata (insignis)</i> "Air" dried, 12 per cent. moisture content, all sizes, 2" x 1" and up to and including 8" x 4", ex State Forest, Macedon—							
5162	Up to 18' in length, as ordered .. .. .	} "	5,000		do.	1 2 3	} W. Cook Pty. Ltd.	
5163	Over 18' to 30' in length, as ordered .. .. .							
	Oregon, Sawn (Battens), 10" and up to 25' in random lengths							
5164	1" thick, up to 3" wide, "Merchantable" .. .. .	} "	2,000		do.	..	} Nil	
5165	1" thick, up to 3" wide, "Selected ex Merchantable" .. .. .					do.		..
	Oregon, Sawn,—(Excluding Battens) 10' and up to 32' in random lengths							
5166	1" to 2" thick up to 12" wide "Merchantable" .. .. .	} "	6,000		do.	..	} Nil	
5167	1" to 2" thick up to 12" wide, "Selected ex Merchantable" .. .. .					do.		..
	Oregon, Sawn, "Merchantable," over 2" to 12" thick, up to 12" wide							
5168	Up to 32' in length, as ordered .. .. .	} "	10,000		do.	..	} Nil	
5169	Over 2" to 12" thick, over 12" to 18" wide .. .. .					do.		..
	Oregon, Sawn, "Selected ex Merchantable," over 2" to 12" thick, up to 12" wide							
5170	Up to 32' in length, as ordered .. .. .	} "	20,000		do.	..	} Nil	
5171	Over 32' to 40' in length, as ordered .. .. .					do.		..
	Oregon, Sawn, "Selected ex Merchantable" over 2" to 12" thick, over 12" to 18" wide							
5172	Up to 32' in length, as ordered .. .. .	} "	20,000		do.	..	} Nil	
5173	Over 32' to 40' in length, as ordered .. .. .					do.		..
	Oregon, Sawn, "Imported Selected" (No. 2 Clear or better), over 2" to 12" thick, up to 12" wide							
5174	Up to 32' in length, as ordered .. .. .	} "	2,500		do.	..	} Nil	
5175	Over 32' to 40' in length, as ordered .. .. .					do.		..
	Timber, Oregon, "Flitches," "Selected ex Merchantable" 16' to 32', in random lengths							
5176	6" thick x 12" wide and up in random widths .. .. .	} "	25,000		do.	..	} Nil	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
TIMBER—continued.						
	Timber, Oregon, "Flitches," "Imported Selected No. 2 clear or better."		Super. feet on face.	100 sup. ft. on thick.		
5177	16' to 32', in random lengths 6" thick x 12" wide and up in random widths	..	25,000	do.	..	} Nil
5178	Over 32' to 40' in length, as ordered 6" thick x 12" wide and up in random widths	..	20,000	do.	..	
5179	12" thick x 12" wide .. .. .	..	5,000	do.	..	} Nil
	Shelving, Yellow Pine, $\frac{3}{8}$ " thick (finished size), dressed, up to 16' in length, as ordered—					
5180	12" wide .. .. .	..	} 500	do.	..	
5181	14" wide .. .. .	..		do.	..	
5182	16" wide .. .. .	..		do.	..	
5183	18" wide .. .. .	..		do.	..	
	Shelving, <i>Pinus radiata (insignis)</i> "Air" dried, 12 per cent. moisture content, $\frac{7}{8}$ " thick (finished size), dressed, up to 16' in length, as ordered, ex State Forest, Macedon—					} W. Cook Pty. Ltd.
5184	9" wide .. .. .	Vict.	} 500	do.	1 4 3	
5185	10" wide .. .. .	"		do.	1 4 3	
5186	11" wide .. .. .	"		do.	1 6 3	
5187	12" wide .. .. .	"		do.	1 6 3	
	Wrought Red Deal, Baltic, in random lengths, 10' and up—		Run. ft.	100 ft. run.		} Nil
5188	6" x $\frac{1}{2}$ ", T. and G. and beaded .. .. .	..	5,000	do.	..	
5189	6" x $\frac{3}{4}$ ", T. and G. .. .. .	..	2,500	do.	..	
5190	6" x $\frac{7}{8}$ ", T. and G. .. .. .	..	20,000	do.	..	
5191	6" x 1 $\frac{1}{8}$ ", T. and G. .. .. .	..	10,000	do.	..	
	Wrought <i>Pinus radiata (insignis)</i> , First Quality, "Air" dried, 12 per cent. moisture content, in random lengths, 10' and up, ex State Forest, Macedon—					} J. Sharp & Sons Ltd.
5192	6" x $\frac{1}{2}$ " T. and G. and beaded or V-jointed, as ordered	Vict.	5,000	do.	0 10 6	
5193	6" x $\frac{3}{8}$ ", T. and G. .. .. .	"	2,500	do.	0 14 6	
5194	6" x $\frac{7}{8}$ ", T. and G. .. .. .	"	20,000	do.	0 14 9	
5195	6" x 1 $\frac{1}{8}$ ", T. and G. .. .. .	"	10,000	do.	0 18 6	
5196	Stringybark or Mountain Ash, First Quality, "Union" Brand, "Air" dried, 12 per cent. moisture content, 3 $\frac{1}{2}$ " x $\frac{1}{2}$ ", T. and G. or rebated, as ordered, dressed, and V-jointed, in bundles of even lengths, 10' and up	Vict. or Tasm.	100,000	do.	0 7 0	
5197	Stringybark or Mountain Ash, First Quality, "Union" Brand, "Air" dried, 12 per cent. moisture content, 4 $\frac{1}{4}$ " x $\frac{7}{8}$ ", T. and G., dressed, in bundles of even lengths, 10' and up	"	100,000	do.	0 12 9	
5198	<i>Pinus radiata (insignis)</i> , First Quality, "Air" dried, 12 per cent. moisture content, 4" x $\frac{1}{2}$ ", T. and G. or rebated, as ordered, dressed, and V-jointed, in bundles of even lengths, 10' and up, ex State Forest, Macedon	Vict.	25,000	do.	0 7 4	
5199	<i>Pinus radiata (insignis)</i> , First Quality, "Air" dried, 12 per cent. moisture content, 4 $\frac{1}{2}$ " x $\frac{7}{8}$ ", T. and G., dressed, in bundles of even lengths, 10' and up, ex State Forest, Macedon	"	25,000	do.	0 12 0	
5200	Mountain Ash, Weatherboards, First Quality, "Air" dried, 12 per cent. moisture content, Bullnosed, produced out of 7" timber and finished 6 $\frac{1}{4}$ " and upwards, in bundles of even lengths, 10' and up	"	25,000	do.	0 13 3	
5201	<i>Pinus radiata (insignis)</i> , Weatherboards, First Quality, "Air" dried, 12 per cent. moisture content, 7" x $\frac{7}{8}$ " (two out of 1 $\frac{1}{2}$ "), Bullnosed, in bundles of even lengths, 10' and up, ex State Forest, Macedon	"	10,000	do.	0 12 9	
5202	Murray Pine, 3 $\frac{1}{2}$ " x $\frac{5}{8}$ ", T. and G., dressed, and V-jointed, in bundles of even lengths, 10' and up	N.S.W.	3,000	do.	0 8 9	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
<b>TIMBER—continued</b>						
†5203	Murray Pine, produced out of 6" x 1" timber and finished, 5½" x ¾", T. and G., dressed, in bundles of even lengths, 10' and up,	N.S.W.	26,000	100 ft. run. do.	0 17 5	H. J. Coy & Co. Pty. Ltd.
†5204	Murray Pine, 4" x ¾", T. and G., dressed, in bundles of even lengths, 10' and up,	"		do.	0 11 10	J. Sharp & Sons Ltd.
†5205	Murray Pine Skirting, 6" x ¾", B.N. (finished size)	"	2,500	do.	0 18 6	H. J. Coy & Co. Pty. Ltd.
<b>MOULDINGS.—RED PINE.</b>						
	Architrave, Red Pine, D. or S., B.N., ¾" thick, (finished thickness).					
5206	3" wide .. .. .		500	do.	..	} Nil
5207	4" wide .. .. .			do.	..	
5208	5" wide .. .. .			do.	..	
5209	6" wide .. .. .			do.	..	
5210	Insertion, Red Pine, 1½" x ½" (finished sizes) ..		500	do.	..	
Scotia, Plain, Red Pine—						
5211	¾" x ¾" (finished sizes) .. .. .		500	do.	..	} Nil
5212	1½" x 1½" (finished sizes) .. .. .		500	do.	..	
5213	1½" x 1½" (finished sizes) .. .. .		500	do.	..	
5214	2¼" x 2¼" (finished sizes) .. .. .		500	do.	..	
Skirting, Red Pine—						
5215	7" x ¾", B.N. .. .. .		500	do.	..	} Nil
5216	9" x ¾", B.N. .. .. .		500	do.	..	
Quad. Mouldings, Red Pine—						
5217	1" (finished sizes) .. .. .		1,000	do.	..	} Nil
5218	1½" (finished sizes) .. .. .		1,000	do.	..	
5219	1½" (finished sizes) .. .. .		1,000	do.	..	
Picture Rail, Red Pine.						
5220	2½" x 1" .. .. .		250	do.	..	
Cover Strips, Red Pine—						
5221	1½" x ¾" (finished size) .. .. .		1,500	do.	..	} Nil
5222	2" x ¾" (finished size) .. .. .		8,000	do.	..	
Staff Bead, Red Pine—						
5223	¾" x ¾" (finished size) .. .. .		250	do.	..	} Nil
5224	1½" x ¾" (finished size) .. .. .		250	do.	..	
<b>MOULDINGS.—MOUNTAIN ASH, FIRST QUALITY, "AIR" OR "KILN" DRIED, AT DEPARTMENT'S OPTION—MOISTURE CONTENT 12%.</b>						
Architrave, Mountain Ash, D. or S., B.N., ¾" thick (finished thickness)—						
5225	3" wide .. .. .	Vict.	500	do.	0 9 3	} Nil
†5226	4" wide .. .. .	"		do.	0 10 0	
5227	5" wide .. .. .	"		do.	0 13 6	
5228	6" wide .. .. .	"		do.	0 16 6	
†5229	Insertion, Mountain Ash, 1½" x ½" (finished sizes)	"	500	do.	0 5 3	
Scotia, Plain, Mountain Ash—						
5230	¾" x ¾" (finished sizes) .. .. .	"	500	do.	0 4 9	} Nil
†5231	1½" x 1½" (finished sizes) .. .. .	"	500	do.	0 8 6	
5232	1½" x 1½" (finished sizes) .. .. .	"	500	do.	0 11 6	
5233	2¼" x 2¼" (finished sizes) .. .. .	"	500	do.	1 2 6	
Skirting, Mountain Ash—						
†5234	7" x ¾", B.N. .. .. .	"	500	do.	0 18 9	} H. J. Coy & Co. Pty. Ltd.
5235	9" x ¾", B.N. .. .. .	"	500	do.	1 5 0	
Quad. Mouldings, Mountain Ash—						
5236	1" (finished size) .. .. .	"	1,000	do.	0 4 9	} Nil
†5237	1½" (finished sizes) .. .. .	"	1,000	do.	0 6 3	
5238	1½" (finished sizes) .. .. .	"	1,000	do.	0 8 6	
Picture Rail, Mountain Ash—						
†5239	2½" x 1" .. .. .	"	250	do.	0 8 6	
Cover Strips, Mountain Ash—						
†5240	1½" x ¾" (finished size) .. .. .	"	1,500	do.	0 4 6	} Nil
5241	2" x ¾" (finished size) .. .. .	"	8,000	do.	0 4 6	
Staff Bead, Mountain Ash—						
†5242	¾" x ¾" (finished size) .. .. .	"	250	do.	0 4 0	} Nil
5243	1½" x ¾" (finished size) .. .. .	"	250	do.	0 6 0	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
TIMBER—continued.						
	MOULDINGS.— <i>PINUS RADIATA</i> (IN-SIGNIS), FIRST QUALITY, "AIR" DRIED.					
	Architraves, <i>Pinus radiata</i> , D. or S., B.N., $\frac{7}{8}$ " thick (finished thickness)—		Run. ft.	100 ft. run.		
5244	3" wide .. .. .		500	do.	..	Nil
5245	4" wide .. .. .			do.	..	
5246	5" wide .. .. .			do.	..	
5247	6" wide .. .. .			do.	..	
5248	Insertion, <i>Pinus Radiata</i> , $1\frac{1}{2}$ " x $\frac{1}{2}$ " (finished sizes) 12% moisture content, ex State Forest, Macedon	Vict.	500	do.	0 5 0	J. Sharp & Sons Ltd.
	Scotia, Plain, <i>Pinus radiata</i> —12% moisture content, ex State Forest, Macedon—					
5249	$\frac{7}{8}$ " x $\frac{3}{4}$ " (finished sizes) .. .. .	"	500	do.	0 4 8	J. Sharp & Sons Ltd.
5250	$1\frac{1}{8}$ " x $1\frac{1}{8}$ " (finished sizes) .. .. .	"	500	do.	0 8 2	
5251	$1\frac{3}{8}$ " x $1\frac{3}{8}$ " (finished sizes) .. .. .	"	500	do.	..	
5252	$2\frac{1}{8}$ " x $2\frac{1}{8}$ " (finished sizes) .. .. .	"	500	do.	..	
	Skirting, <i>Pinus radiata</i> —					
5253	7" x $\frac{7}{8}$ ", B.N. .. .. .	"	500	do.	..	Nil
5254	9" x $\frac{7}{8}$ ", B.N. .. .. .	"	500	do.	..	
	Quad. Mouldings, <i>Pinus radiata</i> —12% moisture, ex State Forest, Macedon—					
5255	1" (finished size) .. .. .	Vict.	1,000	do.	0 4 8	J. Sharp & Sons Ltd.
5256	$1\frac{1}{8}$ " (finished sizes) .. .. .	"	1,000	do.	0 6 3	
5257	$1\frac{3}{8}$ " (finished sizes) .. .. .	"	1,000	do.	0 8 2	
	Picture Rail, <i>Pinus radiata</i> —12% moisture content, ex State Forest, Macedon—					
5258	$2\frac{1}{2}$ " x 1" .. .. .	"	250	do.	0 10 6	J. Sharp & Sons Ltd.
	Cover Strips, <i>Pinus radiata</i> —					
5259	$1\frac{1}{2}$ " x $\frac{3}{8}$ " (finished size) .. .. .	"	1,500	do.	..	Nil
5260	2" x $\frac{3}{8}$ " (finished size) .. .. .	"	8,000	do.	..	
	Staff Bead, <i>Pinus radiata</i> —12% moisture content, ex State Forest, Macedon—					
5261	$\frac{7}{8}$ " x $\frac{5}{8}$ " (finished size) .. .. .	Vict.	250	do.	0 3 10	J. Sharp & Sons Ltd.
5262	$1\frac{1}{8}$ " x $\frac{5}{8}$ " (finished size) .. .. .	"	250	do.	..	Nil
	Three and Five Ply Timber, sanded one side, in sheets 6' x 3'—		sheets	100 sq. ft.		
5263	Hoop Pine, $\frac{3}{8}$ " thick, three-ply .. .. .	Q'land.	300	do.	0 12 9	W. Cook Pty. Ltd.
5264	" " $\frac{1}{2}$ " thick, three-ply .. .. .	"	200	do.	0 19 6	H. J. Coy & Co. Pty. Ltd.
5265	" " $\frac{5}{8}$ " thick, five-ply .. .. .	"	50	do.	1 6 0	Gibbs, Bright & Co., as Agents for Oxley Ply-wood Co. Ltd.
5266	Mountain Ash, $\frac{5}{8}$ " thick, five-ply .. .. .	"	50	do.	1 15 0	
5267	Maple, $\frac{3}{8}$ " thick, three-ply .. .. .	"	100	do.	1 8 0	J. Sharp & Sons Ltd.
5268	" " $\frac{5}{8}$ " thick, five-ply .. .. .	"	20	do.	1 15 0	
	Three and Five Ply Timber, sanded one side, in sheets 6' x 4'—					
5269	Hoop Pine, $\frac{3}{8}$ " thick, three-ply .. .. .	"	50	do.	0 18 9	J. Sharp & Sons Ltd.
5270	" " $\frac{1}{2}$ " thick, three-ply .. .. .	"	30	do.	..	Nil
5271	" " $\frac{5}{8}$ " thick, five-ply .. .. .	"	30	do.	..	
5272	Mountain Ash, $\frac{5}{8}$ " thick, five-ply .. .. .	"	30	do.	..	
5273	to Nil.					
5459						

ASBESTOS CEMENT AND FIBRE PLASTER SHEETS, ETC.

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

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

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

The face of each sheet shall be true, free from blemish and discoloration.

All edges shall be cleanly cut.

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

ASBESTOS, CEMENT, AND FIBRE PLASTER SHEETS, ETC.—*continued.*

The Sheets under Items Nos. 5463 to 5479 to be properly packed in approved crates for transport by rail. The cost of such crates to be included in the rates tendered. The crates when empty may be returned to the Contractor if desired at a rate to be fixed.

† As regards Item 5460—3d. per yard extra will be charged for crating, with a minimum charge of 7s. 6d. F.O.R., Sunshine. If required city delivery, 1d. per square yard extra, with a minimum of 3s.

† Items 5463 to 5481—If desired, the Sheets shall be properly packed in approved crates for transport by rail at the following rates:—

Items 5463 to 5479—In standard crates containing approximately 6 cwt., 3d. per square yard; minimum, 7s. 6d.

In bulk crates containing approximately 30 cwt., 2d. per square yard; minimum, 15s.

In bulk crates containing from 30 cwt. to 2 tons, 1d. per square yard; minimum, 15s.

Items 5480 and 5481—A rate equivalent to 15 per cent. of the value of the goods; minimum, 5s.

The orders to indicate, if any, the packing required.

Delivery will be given in railway trucks as under:—

Item 5460—Sunshine, or city delivery at extra rates, as shown above.

Item 5461 and 5462—Coburg or Spencer-street.

Items 5463 to 5481, 5483 and 5484—Brooklyn.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.	
					£	s.	d.		
†5460	Asbestos Cement Sheets, plain, $\frac{3}{16}$ " thick, in the following sizes—3', 4', 5', 6', 7', 8', 9', 10', 11', and 12' long x 4', 3', 2', and 18" wide	Vict.	100 sq. yds.	sq. yd.	†0	2	7	Wunderlich Ltd.	
†5461	Fibre Plaster Sheets, $\frac{1}{4}$ " thick, crated, any trade size ordered	"	1,500 "	do.	0	1	5½	Coburg Plasterboard Co. Pty. Ltd.	
†5462	Fibre Plaster Sheets, $\frac{1}{2}$ " thick, $\frac{3}{4}$ " rebate on all edges, crated, any size ordered up to 10' x 4'	"	50 "	do.	0	2	3		
	Asbestos Cement Corrugated Sheets, $\frac{3}{16}$ " thick x 2' 7½" wide. Corrugations to be $\frac{1}{8}$ " deep x 3" pitch—								
5463	4' long .. .. .	"	200 sheets	each	†0	3	10	James Hardie & Co. Ltd.	
5464	5' " .. .. .	"		do.	†0	4	9		
5465	6' " .. .. .	"		do.	†0	5	9		
†5466	7' " .. .. .	"		do.	†0	6	8		
5467	8' " .. .. .	"		do.	†0	7	7		
5468	9' " .. .. .	"		do.	†0	8	7		
5469	10' " .. .. .	"		do.	†0	9	6		
	Asbestos Cement Corrugated Sheets, approximately $\frac{1}{4}$ " thick x 3' 5½" wide, corrugations to be $1\frac{1}{8}$ " deep x 5½" pitch—								
5470	5' long .. .. .	"	100 sheets	do.	†0	6	3		James Hardie & Co. Ltd.
5471	6' long .. .. .	"		do.	†0	7	6		
5472	6' 6" long .. .. .	"		do.	†0	8	1		
5473	7' long .. .. .	"		do.	†0	8	9		
†5474	7' 6" long .. .. .	"		do.	†0	9	5		
5475	8' long .. .. .	"		do.	†0	10	0		
5476	8' 6" long .. .. .	"		do.	†0	10	7		
5477	9' long .. .. .	"		do.	†0	11	3		
5478	9' 6" long .. .. .	"		do.	†0	11	10		
5479	10' long .. .. .	"		do.	†0	12	6		
†5480	Ridging, Asbestos Cement, 8", wings in 6' lengths	"	10 lengths	lin. ft.	†0	0	10	Nil	
†5481	" Asbestos Cement, 12" wings, in 6' lengths	"	10 "	do.	†0	1	2		
†5482	Vents, Plaster of Paris, 9" x 6" x 1" ..	"	6	each	..	..	..		
†5483	Washers, Concave Galvanized Steel, for securing Asbestos Cement Corrugated Roofing	N.S.W.	20 gross	gross	0	1	9	James Hardie & Co. Ltd.	
†5484	Washers, Rexlite for securing Asbestos Cement Corrugated Roofing	"	25 "	do.	0	1	3		

SUNDRY BROOMS AND BRUSHWARE.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
<b>Brooms—</b>								
†5494	Bass .. .. .	Vict.	750	each	0	2	0	Royal Victorian Institute for the Blind
†5495	Bassine, 24" .. .. .	"	60	do.	0	3	6	
†5496	Bass and Cane .. .. .	"	600	do.	0	2	0	
†5497	Hair, small .. .. .	"	1,440	do.	0	2	10	
†5498	" 24" .. .. .	"	500	do.	0	8	8	
†5499	Millet .. .. .	"	72	do.	0	2	6	Excelsior Broom Co.
†5499A	Millet and Cane .. .. .	"	1,400	do.	0	2	3	Royal Victorian Institute for the Blind
<b>Brushes—</b>								
†5500	Stove, soft .. .. .	"	Nil.	do.	..	..	..	Nil
†5501	Bottle twisted wire .. .. .	"	15	do.	0	0	4	John Zevenboom & Co.
†*5502	Car Cleaning—Fibre, wire drawn .. .. .	"	1,000	do.	0	0	7½	Royal Victorian Institute for the Blind
†5503	Channel .. .. .	"	6	do.	0	1	6	
†5504	Damping, flat, copper ferrule, brass pins, 4" .. .. .	"	50	do.	0	2	0	John Zevenboom & Co.
†5505	Dandy .. .. .	"	12	do.	0	0	10½	
†5506	Distemper, Fibre .. .. .	"	36	do.	0	1	6	
†5507	Dusters, Painters' .. .. .	"	100	do.	0	1	9	Royal Victorian Institute for the Blind
†5508	Driven Fibre .. .. .	"	300	do.	0	1	4	John Zevenboom & Co.
†5509	Flue .. .. .	S. Aust.	50	do.	0	0	6½	S.A. Brush Co. Ltd.
†5510	Hand, Banister .. .. .	Vict.	1,200	do.	0	2	2	Royal Victorian Institute for the Blind
†5511	" " Bassine .. .. .	"	12	do.	0	1	1	
*5512	Louvre, Washing .. .. .	"	120	do.	0	0	7	John Zevenboom & Co.
†5513	Lye .. .. .	"	Nil.	do.	..	..	..	Nil
†5514	Nail .. .. .	"	100	do.	0	0	4	John Zevenboom & Co.
†5515	Pan .. .. .	"	25	do.	0	0	6	Royal Victorian Institute for the Blind
†5516	Pick .. .. .	"	24	do.	0	0	7	
*5517	For cleaning railway points .. .. .	"	500	do.	0	0	5½	Gibaud & Son Pty. Ltd.
*5518	Scouring, Bristle .. .. .	"	Nil.	do.	..	..	..	Nil
†5519	Scrubbing, Deck, coir .. .. .	Vict.	15	do.	0	1	8	Royal Victorian Institute for the Blind
†5520	" Hand .. .. .	"	700	do.	0	0	9	
†5521	" Angle, Scrub Fibre .. .. .	"	100	do.	0	1	6	
†5522	Sewer .. .. .	"	60	do.	0	1	5	
†5523	Stencil, 1", No. 8 .. .. .	"	70	do.	0	0	10	T. Mitchell & Co. Pty. Ltd.
†5524	" 1½", Tarpaulin .. .. .	"	6	do.	0	1	9	J. Zevenboom & Co.
†5525	Swabs, Coir .. .. .	"	Nil.	do.	..	..	..	Nil
†5526	Tar, handled .. .. .	"	60	do.	0	1	1	T. Mitchell & Co. Pty. Ltd.
†5527	Tarpaulin, dressing .. .. .	"	2	do.	0	2	3	J. Zevenboom & Co.
†5528	Whitewash, tin bound .. .. .	"	150	do.	0	1	3	
†5529	Wire, 1½" diameter, for cleaning boiler tubes .. .. .	"	600	do.	0	1	3	Royal Victorian Institute for the Blind
†5529A	" 2" diameter, for cleaning boiler tubes .. .. .	"	50	do.	0	1	3	
†5530	Whisks, Hand .. .. .	"	900	do.	0	0	7½	
<b>Refilling Heads for Chimney Sweepers—</b>								
†5531	With Whalebone .. .. .	"	6	do.	..	..	..	Nil
†5532	With Cane .. .. .	"	5	do.	..	..	..	
<b>PAINTERS' BRUSHES.</b>								
<b>Brushes, Painters'—</b>								
†5533	2/0 .. .. .	"	6	do.	0	4	7	J. Zevenboom & Co.
†5531	6/0 .. .. .	"	40	do.	0	10	0	
†5535	8/0 .. .. .	"	350	do.	0	11	9	
†5536	Distemper, 6", Flat .. .. .	"	25	do.	0	13	6	Gibaud & Son Pty. Ltd.
†5537	" 12 oz., Copper Band .. .. .	"	Nil.	do.	..	..	..	Nil
<b>Brushes, Varnish—Black Bristle, Bevelled Edge—</b>								
†5538	½" thick x 1" wide .. .. .	"	50	do.	0	0	6	J. Zevenboom & Co.
†5539	¾" thick x 1" wide .. .. .	"	24	do.	0	0	7	
†5540	¾" thick x 1½" wide .. .. .	"	60	do.	0	0	9¾	
†5541	¾" thick x 2" wide .. .. .	"	300	do.	0	1	2	
†5542	¾" thick x 3" wide "Ace" .. .. .	S. Aust.	300	do.	0	2	10	S.A. Brush Co. Ltd.
†5543	¾" thick x 2½" wide "Ace" .. .. .	"	60	do.	0	2	3	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.	
					£	s.	d.		
<b>SUNDRY BROOMS AND BRUSHWARE—continued.</b>									
	Brushes, Varnish—White Bristle, Fitches, Tin bound, flat—								
†5544	9/16" x 5/16" .. .. .	Vict.	60	each	0	0	6	} J. Zevenboom & Co.	
†5545	7/8" x 3/8" .. .. .	"	50	do.	0	0	10		
†5546	1" x 1/2" No. 116 .. .. .	S. Aust.	600	do.	0	1	3 1/2		} S.A. Brush Co. Ltd.
	Brushes—								
†5547	Wall, 3" .. .. .	Vict.	500	do.	0	2	5	} J. Zevenboom & Co.	
†5548	Weatherboard, 3 1/2" .. .. .	"	250	do.	0	2	9		
†5549	" " 4" .. .. .	"	240	do.	0	3	2		} Gibaud & Son Pty. Ltd.
	Tools, Sash—								
†5550	No. 1 .. .. .	"	300	do.	0	0	4	} J. Zevenboom & Co. Gibaud & Son Pty. Ltd. J. Zevenboom & Co. Gibaud & Son Pty. Ltd. J. Zevenboom & Co. Gibaud & Son Pty. Ltd. J. Zevenboom & Co.	
†5551	No. 3 .. .. .	"	25	do.	0	0	8 1/2		
†5552	No. 4 .. .. .	"	120	do.	0	0	7		
†5553	No. 5 .. .. .	"	100	do.	0	1	1		
†5554	No. 6 .. .. .	"	180	do.	0	1	0		
†5555	No. 7 .. .. .	"	25	do.	0	1	7 1/2		
†5556	No. 8 .. .. .	"	400	do.	0	1	9		
†5557	No. 9 .. .. .	"	50	do.	0	2	0		
†5558	No. 10 .. .. .	"	60	do.	0	2	6 1/2		
†5559	No. 12 .. .. .	"	100	do.	0	4	3		
	<b>STEEL BRUSHES.</b>								
	Brushes, Steel—								
*5560	Flat .. .. .	"	150	do.	0	1	8	} Gibaud & Son Pty. Ltd.	
*5561	" with handles 48" long .. .. .	"	600	do.	0	2	6 1/2		} J. Zevenboom & Co.
*5562	Moulders' .. .. .	"	30	do.	0	2	0	} Gibaud & Son Pty. Ltd.	
*5563	Large .. .. .	"	150	do.	0	2	8		
*5564	Round Handled, Foundry .. .. .	"	50	do.	0	1	2		
*5565	Brushes, Steel, fitted with 55" wooden handle, for cleaning Vertical Grids of Spark Arresters on "C," "K," and "N," class Engines .. .. .	"	12	do.	0	8	0		} J. Zevenboom & Co.
5566 to 5570	Nil								

**BOLTS AND NUTS.**

(Black.)

**SPECIFICATION.**

**BLACK BOLTS AND NUTS. Items 5572 to 5714 inclusive.**

*Quality of Material.*—The Bolts and Nuts shall be manufactured from mild steel, which is in accordance with Australian Standard Specification No. A1/1928, for Grade "A" steel.

*Particulars.*—The threads of all Bolts and Nuts shall be in accordance with the requirements of British Standard Specification, No. 92/1919.

Hexagonal and square bolt heads and nuts shall be in accordance with Table II., from British Standard Specification No. 28/1903, except that the thickness of the heads and nuts for black bolts 1/2" diameter and under, supplied by McPherson's and G. F. Sewell, shall be as shown on extract of Table II amended by these Contractors.

Cup and countersunk bolt heads shall be in accordance with V.R. Drawing No. 8903.

Tee headed bolts shall be in accordance with V.R. Drawing No. 8906.

The shanks of all black bolts shall be within the tolerances shown on V.R. Drawing No. 8903.

The Bolts supplied under this Schedule shall be threaded to the lengths as shown in the following

table :—

Diameter of Bolt .. .. .	Length of Thread.					
	3/4 in.	1 in.	1 1/4 in.	1 1/2 in.	1 3/4 in.	2 in.
1 in. to 1 1/4 in. .. .. .	1 in.	1 in.	1 1/4 in.	1 1/4 in.	1 1/4 in.	1 1/4 in.
1 1/2 in. " 2 " .. .. .	1 1/4 in.	1 1/4 in.	1 1/2 in.	1 1/2 in.	1 1/2 in.	1 1/2 in.
2 in. " 2 1/2 " .. .. .	1 1/2 in.	1 1/2 in.	1 3/4 in.	1 3/4 in.	1 3/4 in.	1 3/4 in.
2 1/2 in. " 3 " .. .. .	1 3/4 in.	1 3/4 in.	2 in.	2 in.	2 in.	2 in.
3 in. " 3 1/2 " .. .. .	2 in.	2 in.	2 1/4 in.	2 1/4 in.	2 1/4 in.	2 1/4 in.
3 1/2 in. " 4 " .. .. .	2 1/4 in.	2 1/4 in.	2 1/2 in.	2 1/2 in.	2 1/2 in.	2 1/2 in.
4 in. " 4 1/2 " .. .. .	2 1/2 in.	2 1/2 in.	2 3/4 in.	2 3/4 in.	2 3/4 in.	2 3/4 in.
4 1/2 in. " 5 " .. .. .	2 3/4 in.	2 3/4 in.	3 in.	3 in.	3 in.	3 in.
5 in. " 5 1/2 " .. .. .	3 in.	3 in.	3 1/4 in.	3 1/4 in.	3 1/4 in.	3 1/4 in.
5 1/2 in. " 6 " .. .. .	3 1/4 in.	3 1/4 in.	3 1/2 in.	3 1/2 in.	3 1/2 in.	3 1/2 in.
6 in. " 6 1/2 " .. .. .	3 1/2 in.	3 1/2 in.	3 3/4 in.	3 3/4 in.	3 3/4 in.	3 3/4 in.
6 1/2 in. " 7 " .. .. .	3 3/4 in.	3 3/4 in.	4 in.	4 in.	4 in.	4 in.
7 in. " 7 1/2 " .. .. .	4 in.	4 in.	4 1/4 in.	4 1/4 in.	4 1/4 in.	4 1/4 in.
7 1/2 in. " 8 " .. .. .	4 1/4 in.	4 1/4 in.	4 1/2 in.	4 1/2 in.	4 1/2 in.	4 1/2 in.
8 in. " 8 1/2 " .. .. .	4 1/2 in.	4 1/2 in.	4 3/4 in.	4 3/4 in.	4 3/4 in.	4 3/4 in.
8 1/2 in. " 9 " .. .. .	4 3/4 in.	4 3/4 in.	5 in.	5 in.	5 in.	5 in.
9 in. " 9 1/2 " .. .. .	5 in.	5 in.	5 1/4 in.	5 1/4 in.	5 1/4 in.	5 1/4 in.
9 1/2 in. " 10 " .. .. .	5 1/4 in.	5 1/4 in.	5 1/2 in.	5 1/2 in.	5 1/2 in.	5 1/2 in.
10 in. " 10 1/2 " .. .. .	5 1/2 in.	5 1/2 in.	5 3/4 in.	5 3/4 in.	5 3/4 in.	5 3/4 in.
10 1/2 in. " 11 " .. .. .	5 3/4 in.	5 3/4 in.	6 in.	6 in.	6 in.	6 in.
11 in. " 11 1/2 " .. .. .	6 in.	6 in.	6 1/4 in.	6 1/4 in.	6 1/4 in.	6 1/4 in.
11 1/2 in. " 12 " .. .. .	6 1/4 in.	6 1/4 in.	6 1/2 in.	6 1/2 in.	6 1/2 in.	6 1/2 in.
12 in. " 12 1/2 " .. .. .	6 1/2 in.	6 1/2 in.	6 3/4 in.	6 3/4 in.	6 3/4 in.	6 3/4 in.
12 1/2 in. " 13 " .. .. .	6 3/4 in.	6 3/4 in.	7 in.	7 in.	7 in.	7 in.

**BOLTS AND NUTS—continued.**

Bolts, larger and longer than above, shall be threaded three times the diameter of the rod.

*Inspection and Rejection.*—The black bolts and nuts shall be subjected to such inspection and tests as may be required by the Comptroller of Stores to ascertain if they are in accordance with this specification. In the event of their failing to comply they shall be rejected.

Bolts and Nuts ordered on G. F. Sewell Pty. Ltd. will be picked up by departmental motor lorry at the works, and an account rendered against the Contractor at the rate of 1s. 3d. per ton for cartage.

M. Ferguson Pty. Ltd.—Delivery West Footscray or Receiving Depot.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
*5571	Bolts, Fishplate, 2" x 1/2"	Vict.	5 cwt.	cwt.	1	18	0	McPherson's Pty. Ltd.
	Bolts, M. Steel, with Cup Head, Square Neck, and Square Nut (as specified)—							
5572	1/2" diameter x 2" in length and under..	"	40 gross	gross	0	4	0	
5573	1/2" diameter x over 2" in length ..	"	110 "	do.	0	5	3	
5574	1/8" diameter x 2" in length and under ..	"	10 "	do.	0	5	0	
5575	1/8" diameter x over 2" in length ..	"	60 "	do.	0	6	9	
5576	3/8" diameter x 3" in length and under..	"	400 "	do.	0	7	0	
5577	3/8" diameter x 3 1/4" to 6" in length ..	"	70 "	do.	0	9	8	
5578	3/8" diameter x over 6" in length ..	"	15 cwt.	cwt.	1	13	0	
5579	7/16" diameter x 5 1/2" in length ..	"	2 "	do.	1	17	0	
5580	7/16" diameter x 6" in length ..	"	2 "	do.	1	16	0	
5581	1/2" diameter x 3" in length and under..	"	15 "	do.	1	12	0	
5582	1/2" diameter x 3 1/4" to 6" in length ..	"	28 "	do.	1	7	6	
5583	1/2" diameter x over 6" in length ..	"	20 "	do.	1	5	0	
5584	1/2" diameter x 3" in length and under..	"	1 "	do.	1	11	0	
5585	1/2" diameter x 3 1/4" to 6" in length ..	"	25 "	do.	1	7	0	
5586	1/2" diameter x 6 1/4" to 12" in length ..	"	70 "	do.	1	3	6	
5587	5/8" diameter x over 12" in length ..	"	2 "	do.	1	3	0	
5588	3/4", 7/8", and 1" diameter x 3 1/4" to 6" in length ..	"	50 "	do.	1	4	6	
5589	3/4", 7/8", and 1" diameter x 6 1/4" to 12" in length ..	"	36 "	do.	1	3	0	
5590	3/4", 7/8", and 1" diameter x over 12" in length ..	"	10 "	do.	1	0	9	
	Bolts, M. Steel, with Cup Head, Square Neck, and Hexagon Nut—							McPherson's Pty. Ltd.
5591	1/2" diameter x 2" in length and under..	"	50 gross	gross	0	4	4	
5592	1/2" diameter x over 2" in length ..	"	60 "	do.	0	5	7	
5593	1/8" diameter x 2" in length and under ..	"	Nil	do.				
5594	1/8" diameter x over 2" in length ..	Vict.	1 "	do.	0	7	6	
5595	1/8" diameter x 3" in length and under..	"	100 "	do.	0	7	8	
5596	1/8" diameter x 3 1/4" to 6" in length ..	"	150 cwt.	cwt.	2	0	0	
5597	1/8" diameter x over 6" in length ..	"	8 "	do.	1	16	0	
5598	1/2" diameter x 3" in length and under..	"	80 "	do.	1	15	6	
5599	7/16" diameter x 5 1/2" in length ..	"						
5600	7/16" diameter x 6" in length ..	"						
5601	1/2" diameter x 3 1/4" to 6" in length ..	Vict.	200 cwt.	cwt.	1	9	6	
5602	1/2" diameter x over 6" in length ..	"	50 "	do.	1	6	6	
5603	1/2" diameter x 3" in length and under..	"	2 "	do.	1	13	0	
5604	1/2" diameter x 3 1/4" to 6" in length ..	"	16 "	do.	1	9	6	
5605	1/2" diameter x 6 1/4" to 12" in length ..	"	20 "	do.	1	5	0	
5606	1/2" diameter x over 12" in length ..	"						
5607	3/4", 7/8", and 1" diameter x 3 1/4" to 6" in length ..	Vict.	2 cwt.	cwt.	1	8	0	
5608	3/4", 7/8", and 1" diameter x 6 1/4" to 12" in length ..	"						
5609	3/4", 7/8", and 1" diameter x over 12" in length ..	Vict.	6 cwt.	cwt.	1	2	0	
	Bolts, M. Steel, with Hexagon Head, Round Neck, and Hexagon Nut (as specified)—							McPherson's Pty. Ltd.
5610	1/2" diameter x 2" in length and under..	"	500 gross	gross	0	5	2	
5611	1/2" diameter x over 2" in length ..	"	20 "	do.	0	6	8	
5612	1/8" diameter x 2" in length and under ..	"	190 "	do.	0	6	7	
5613	1/8" diameter x over 2" in length ..	"	6 "	do.	0	8	4	
5614	1/8" diameter x 3" in length and under..	"	300 "	do.	0	9	6	
5615	1/8" diameter x 3 1/4" to 6" in length ..	"	1 cwt.	cwt.	2	5	0	



Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
<b>BOLTS AND NUTS—continued.</b>						
<b>Bolts, M. Steel, with Hexagon Head, Round Neck, and Hexagon Nut (as specified)—</b>						
<i>continued.</i>						
5616	$\frac{3}{8}$ " diameter x over 6" in length ..	Vict.	2 cwt.	cwt.	1 18 0	McPherson's Pty. Ltd.
5617	$\frac{7}{16}$ " diameter x $4\frac{1}{2}$ " in length ..	"	1 "	do.	2 16 0	
5618	$\frac{7}{16}$ " diameter x 5" in length ..	"	"	"	"	Nil
5619	$\frac{7}{16}$ " diameter x $5\frac{1}{2}$ " in length ..	"	"	"	"	
5620	$\frac{1}{2}$ " diameter x 3" in length and under ..	Vict.	100 cwt.	cwt.	2 0 0	}
5621	$\frac{1}{2}$ " diameter x $3\frac{1}{2}$ " to 6" in length ..	"	50 "	do.	1 13 6	
5622	$\frac{1}{2}$ " diameter x over 6" in length ..	"	9 "	do.	1 9 0	McPherson's Pty. Ltd.
5623	$\frac{5}{8}$ " diameter x 3" in length and under ..	"	60 "	do.	1 12 6	
5624	$\frac{5}{8}$ " diameter x $3\frac{1}{2}$ " to 6" in length ..	"	130 "	do.	1 8 0	
5625	$\frac{5}{8}$ " diameter x over 6" in length ..	"	26 "	do.	1 5 3	
5626	$\frac{3}{4}$ " diameter x $2\frac{3}{4}$ " in length ..	"	5 "	do.	1 7 0	
5627	$\frac{3}{4}$ ", $\frac{7}{8}$ ", and 1" diameter x 3" in length and under ..	"	400 "	do.	1 7 0	
5628	$\frac{3}{4}$ ", $\frac{7}{8}$ ", and 1" diameter x $3\frac{1}{2}$ " to 6" in length ..	"	180 "	do.	1 4 9	
5629	$\frac{3}{4}$ ", $\frac{7}{8}$ ", and 1" diameter x over 6" in length ..	"	100 "	do.	1 2 6	
5630	$1\frac{1}{8}$ " diameter x $2\frac{1}{2}$ " in length ..	"	"	"	"	Nil
5631	$1\frac{1}{8}$ " diameter x $4\frac{1}{2}$ " to 6" in length ..	Vict.	10 cwt.	cwt.	1 5 0	Mephan Ferguson Pty. Ltd.
5632	$1\frac{1}{8}$ " diameter x over 6" in length ..	"	"	"	"	Nil
<b>Bolts, M. Steel, with Square Head, Round Neck, and Square Nut—</b>						
5633	$\frac{5}{8}$ " diameter x $3\frac{1}{2}$ " to 6" in length ..	Vict.	2 cwt.	cwt.	1 7 6	McPherson's Pty. Ltd.
5634	$\frac{5}{8}$ " diameter x $6\frac{1}{2}$ " to 12" in length ..	"	20 "	do.	1 3 0	Mephan Ferguson Pty. Ltd.
5635	$\frac{5}{8}$ " diameter x over 12" in length ..	"	2 "	do.	1 2 0	McPherson's Pty. Ltd.
5636	$\frac{3}{4}$ " diameter x $2\frac{1}{2}$ " in length ..	"	"	"	"	Nil
5637	$\frac{3}{4}$ ", $\frac{7}{8}$ ", and 1" diameter x $3\frac{1}{2}$ " to 6" in length ..	Vict.	1 cwt.	cwt.	1 7 6	McPherson's Pty. Ltd.
5638	$\frac{3}{4}$ ", $\frac{7}{8}$ ", and 1" diameter x over 6" in length ..	"	500 "	do.	0 18 0	
<b>Bolts, M. Steel, with Square Head, Round Neck, and Hexagon Nut (as specified)—</b>						
5639	$\frac{3}{8}$ " diameter x 3" in length and under ..	"	"	"	"	Nil
5640	$\frac{3}{8}$ " diameter x $3\frac{1}{2}$ " to 6" in length ..	Vict.	1 cwt.	cwt.	2 16 0	McPherson's Pty. Ltd.
5641	$\frac{1}{2}$ " diameter x 3" in length and under ..	"	"	"	"	Nil
5642	$\frac{1}{2}$ " diameter x $3\frac{1}{2}$ " to 6" in length ..	Vict.	1 cwt.	cwt.	1 17 3	G. F. Sewell Pty. Ltd.
5643	$\frac{1}{2}$ " diameter x $6\frac{1}{2}$ " to 12" in length ..	"	"	"	"	Nil
5644	$\frac{1}{2}$ " diameter x over 12" in length ..	"	"	"	"	Nil
5645	$\frac{1}{2}$ " diameter x 3" in length and under ..	Vict.	1 cwt.	cwt.	1 13 0	G. F. Sewell Pty. Ltd.
5646	$\frac{1}{2}$ " diameter x $3\frac{1}{2}$ " to 6" in length ..	"	"	"	"	Nil
5647	$\frac{1}{2}$ " diameter x $6\frac{1}{2}$ " to 12" in length ..	Vict.	1 cwt.	cwt.	1 5 0	G. F. Sewell Pty. Ltd.
5648	$\frac{1}{2}$ " diameter x over 12" in length ..	"	"	"	"	Nil
5649	$\frac{3}{4}$ " diameter x $2\frac{1}{2}$ " in length ..	"	"	"	"	Nil
5650	$\frac{3}{4}$ ", $\frac{7}{8}$ ", and 1" diameter x $3\frac{1}{2}$ " to 6" in length ..	Vict.	2 cwt.	cwt.	1 9 0	Mephan Ferguson Pty. Ltd.
5651	$\frac{3}{4}$ ", $\frac{7}{8}$ ", and 1" diameter x over 6" in length ..	"	1 cwt.	do.	0 19 0	
5652	Bolts, M. Steel, with Square Head, Round Neck, 2 Hexagon Nuts, $\frac{5}{8}$ " diameter x $9\frac{3}{8}$ " in length (as specified)	"	40 "	do.	1 14 0	McPherson's Pty. Ltd.
<b>Bolts, M. Steel, with Countersunk Head, Square Neck, and Hexagon Nut (as specified)—</b>						
5653	$\frac{1}{4}$ " diameter x 2" in length and under ..	Vict.	6 gross	gross	0 8 6	}
5654	$\frac{1}{4}$ " diameter x over 2" in length ..	"	"	"	"	
5655	$\frac{5}{16}$ " diameter x 2" in length and under ..	"	"	"	"	Nil
5656	$\frac{5}{16}$ " diameter x over 2" in length ..	Vict.	4 gross	gross	0 15 0	
5657	$\frac{5}{16}$ " diameter x 3" in length and under ..	"	20 "	do.	0 11 0	McPherson's Pty. Ltd.
5658	$\frac{3}{4}$ " diameter x $3\frac{1}{2}$ " to 6" in length ..	"	1 cwt.	cwt.	2 16 0	
5659	$\frac{3}{4}$ " diameter x over 6" in length ..	"	1 "	do.	2 4 0	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
<b>BOLTS AND NUTS—continued.</b>						
	Bolts, M. Steel, with Countersunk Head, Square Neck, and Hexagon Nut (as specified)— <i>continued.</i>					
5660	$\frac{1}{2}$ " diameter x 3" in length and under..	Vict.	10 cwt.	cwt.	1 18 3	} G. F. Sewell Pty. Ltd.
5661	$\frac{1}{2}$ " diameter x 3 $\frac{1}{4}$ " to 6" in length ..	"	10 "	do.	1 13 0	
5662	$\frac{1}{2}$ " diameter x over 6" in length ..	"	1 "	do.	1 12 0	
5663	$\frac{3}{8}$ " diameter x 3" in length and under..	"	1 "	do.	1 16 0	
5664	$\frac{3}{8}$ " diameter x 3 $\frac{1}{4}$ " to 6" in length ..	"	1 "	do.	1 11 0	
5665	$\frac{3}{8}$ " diameter x over 6" in length ..	"	1 "	do.	1 8 6	
5666	$\frac{3}{4}$ ", $\frac{7}{8}$ ", and 1" x 3" in length and over..	"	4 "	do.	1 7 6	McPherson's Pty. Ltd. Mephan Ferguson Pty. Ltd.
5667	$\frac{1}{2}$ " diameter x 1 $\frac{3}{4}$ ", Slotted Heads, Round Neck, and Pinhole (as specified)	..	..	..	..	} Nil
Bolts, M. Steel, with Hexagon Head, Round Neck, and 2 Hexagon Nuts (as specified)—						
5668	$\frac{3}{8}$ " diameter x 3 $\frac{1}{4}$ " to 6" in length ..	..	..	..	..	} McPherson's Pty. Ltd.
5669	$\frac{3}{8}$ " diameter x 3" in length and under ..	Vict.	90 cwt.	cwt.	1 14 6	
5670	$\frac{3}{8}$ " diameter x 3 $\frac{1}{4}$ " to 6" in length ..	"	2 "	do.	1 12 0	
5671	$\frac{3}{8}$ " diameter x 3" in length and under ..	"	35 "	do.	1 9 6	
5672	$\frac{3}{8}$ " diameter x 3 $\frac{1}{4}$ " to 6" in length ..	"	6 "	do.	1 7 0	
5673	1" diameter x over 6" in length ..	"	1 "	do.	1 10 0	Mephan Ferguson Pty. Ltd.
Bolts, M. Steel, Cup Head, Nibbed Neck, Hexagon Nut (as specified)—						
5674	$\frac{1}{2}$ " diameter x 3" in length and under ..	"	1 "	do.	3 15 0	} McPherson's Pty. Ltd.
5675	$\frac{1}{2}$ " diameter x 3" in length and under ..	"	12 "	do.	3 5 0	
5676	$\frac{1}{2}$ " diameter x 3" in length and under ..	"	4 "	do.	2 7 0	} G. F. Sewell Pty. Ltd.
5677	1" diameter x 3" in length and under ..	"	2 "	do.	1 18 0	
5678	1" diameter x 3 $\frac{1}{4}$ " to 6" in length ..	"	2 "	do.	1 16 0	
Bolts, M. Steel, with Hexagon Head and screwed up to the Neck, if required, Hexagon Nuts (as specified)—						
5679	1" x $\frac{3}{8}$ ", with two Nuts ..	..	..	..	..	} Nil
5680	2 $\frac{1}{4}$ " x $\frac{5}{8}$ ", with two Nuts ..	..	..	..	..	
5681	2 $\frac{1}{4}$ " x $\frac{5}{8}$ ", with two Nuts ..	..	..	..	..	} G. F. Sewell Pty. Ltd.
5682	3" x $\frac{5}{8}$ ", with two Nuts and Pinhole ..	Vict.	56 lb.	cwt.	2 15 0	
5683	3 $\frac{1}{2}$ " x $\frac{5}{8}$ ", with two Nuts and Pinhole ..	..	..	..	..	
5684	4 $\frac{1}{2}$ " x $\frac{5}{8}$ ", with two Nuts ..	Vict.	56 lb.	cwt.	2 3 0	
5685	5 $\frac{1}{2}$ " x 1", with two Nuts, Pinhole, and Reducing Points (as specified)	"	56 "	do.	2 0 0	
Bolts, M. Steel, T Head, with Hexagon Nut— (as specified)						
5686	1 $\frac{1}{4}$ " x $\frac{1}{2}$ " ..	..	2 cwt.	do.	3 8 0	} G. F. Sewell Pty. Ltd.
5687	2" x $\frac{3}{8}$ " ..	..	2 "	do.	3 0 0	
5688	2" x $\frac{3}{8}$ " ..	..	..	..	..	Nil
5689	2 $\frac{1}{4}$ " x $\frac{1}{2}$ " ..	Vict.	1 cwt.	cwt.	2 18 0	McPherson's Pty. Ltd.
5690	2 $\frac{1}{2}$ " x $\frac{1}{2}$ " ..	..	56 lb.	do.	3 0 0	} G. F. Sewell Pty. Ltd.
5691	3" x $\frac{1}{2}$ " ..	..	..	..	..	
5692	5 $\frac{1}{2}$ " x $\frac{1}{2}$ " ..	..	..	..	..	
5693	Bolts, M. Steel Galvanized, Hexagon Head, Round Neck, Hexagon Nut, each bolt complete with two square washers, 1 $\frac{1}{2}$ " x 1 $\frac{1}{2}$ " x $\frac{1}{8}$ " thick x $\frac{1}{16}$ " round hole— $\frac{3}{8}$ " diameter x 9" to 16" in length, as ordered (as specified)	Vict.	18 cwt.	cwt.	1 13 0	McPherson's Pty. Ltd.
5694	Bolts, M. Steel, T Head, Round Neck, Hexagon Nut, $\frac{3}{8}$ " diameter, 6" in length and over, as ordered (as specified)	..	..	..	..	} Nil
5695	Bolts, M. Steel, Bed, $\frac{1}{2}$ " or $\frac{3}{8}$ " diameter x 6" to 12" in length, as ordered (as specified)	..	..	..	..	
5696	Bolts, M. Steel, Cheese Head, Square Neck and Nut, $\frac{1}{2}$ " diameter x 6" to 12" in length, as ordered (as specified)	..	..	..	..	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
<b>BOLTS AND NUTS—continued.</b>						
Bolts, M. Steel, Countersunk Head, Nibbed Neck, Hexagon Nut (as specified)—						
5697	1/2" diameter x 2" in length and under ..	..	2 gross	gross	..	Nil
5698	1/2" diameter x 3" in length and under ..	Vict.	1 cwt.	cwt.	2 8 0	} McPherson's Pty. Ltd.
5699	1/2" diameter x 3" in length and under ..	"	22 "	do.	2 1 6	
5700	1/2" diameter x 3 1/4" to 6" in length ..	"	2 "	do.	1 17 6	} G. F. Sewell Pty. Ltd.
5701	1/2" diameter x over 6" in length ..	"	3 "	do.	1 12 6	
5702	3/4" diameter x 2 1/2" in length ..	..	..	..	..	Nil
5703	3/4" diameter x 3 1/4" to 6" in length ..	Vict.	2 cwt.	cwt.	1 11 6	G. F. Sewell Pty. Ltd.
Nuts, M. Steel, Black, Hexagon (as specified)—						
5704	1/8" thick .. .. .	..	..	..	..	Nil
5705	3/16" thick .. .. .	Vict.	1 cwt.	cwt.	9 10 0	} McPherson's Pty. Ltd.
5706	1/4" thick .. .. .	"	1 "	do.	7 0 0	
5707	5/16" thick .. .. .	"	1 "	do.	3 15 0	} G. F. Sewell Pty. Ltd.
5707A	3/8" thick .. .. .	"	60 "	do.	2 1 0	
5708	1/2" thick .. .. .	"	30 "	do.	1 18 0	} McPherson's Pty. Ltd.
5708A	5/8" thick .. .. .	"	100 "	do.	1 12 6	
5709	3/4" thick .. .. .	"	60 "	do.	1 12 6	
5710	1" thick .. .. .	"	40 "	do.	1 12 6	} McPherson's Pty. Ltd.
5711	1 1/8" thick .. .. .	"	1 "	do.	1 15 0	
5712	1 1/8" thin .. .. .	"	1 "	do.	2 5 0	G. F. Sewell Pty. Ltd.
5712A	1 1/2" thick .. .. .	"	5 "	do.	1 15 0	} McPherson's Pty. Ltd.
5713	1 1/2" thick .. .. .	"	5 "	do.	1 15 0	
5714	3/4" thin .. .. .	"	2 "	do.	2 9 6	} McPherson's Pty. Ltd.
5715	1" thin .. .. .	"	3 "	do.	2 9 6	
5716	1 1/4" thin .. .. .	"	6 "	do.	2 9 6	} McPherson's Pty. Ltd.
5717	1" thin .. .. .	"	3 "	do.	2 9 6	
5718	1 1/4" thin .. .. .	"	1 "	do.	2 15 0	} G. F. Sewell Pty. Ltd.
5719	1 3/8", 1 1/2", 2", 2 1/2" thick, as ordered ..	"	1 "	do.	3 15 0	

**BLACK STEEL WASHERS.**

**SPECIFICATION.**

**BLACK STEEL WASHERS.—Items 5770 to 5834 inclusive.**

*Quality of Material.*—The Black Steel Washers shall be manufactured from Steel, which is in accordance with Australian Standard Specification, No. A1-1928, for Grade "A" Steel.

*Freedom from Defects.*—The Washers shall be sound, free from cracks, rough and jagged edges, and all other defects, and shall be finished in a workmanlike manner.

*Inspection and Tests.*—The Washers shall be subjected to such inspection and tests as may be required by the Comptroller of Stores to ascertain if they are in accordance with this Specification. In the event of their failure to comply they shall be rejected.

**SPRING STEEL WASHERS.—Items 5835 to 5845A inclusive.**

*Quality of Material.*—The Spring Washers shall be manufactured from best quality carbon, or approved alloy Steel made by the open-hearth or electric process.

*Freedom from Defects.*—The Spring Steel Washers shall be free from cracks, rough and jagged edges, and all other defects, and finished in a workmanlike manner.

*Samples.*—The Tenderer shall submit with his tender samples of the Spring Washers he tenders to supply, such samples will be subjected to the following tests—"pressure, reaction, fracture, and hardness"; and all deliveries of Spring Washers under this Contract shall show no appreciable variation from such samples.

Delivery will be given in railway trucks at—  
McPherson's Pty. Ltd., Spencer-street.  
A. J. Read, Spencer-street.

Material ordered on G. F. Sewell Pty. Ltd. will be picked up by the departmental motor lorry at the works, and an account rendered at the rate of 1s. 3d. per ton for cartage against the Contractor.

The rates for Items Nos. 5835, 5835A, 5839, 5841, 5842, and 5844 are firm as regards exchange.

Washers, Steel, Black, Round Plate, with round hole, as specified—						
dia. thick hole						
5770	1" x 1/16" x 5/16"	..	..	Vict.	1/4 cwt.	cwt. 1 5 9
5771	1" x 3/8" x 5/16"	..	..	"	3 "	do. 1 5 9
5772	1 1/8" x 1/8" x 1/8"	..	..	"	5 "	do. 1 9 9

} McPherson's Pty. Ltd.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.	
					£ s. d.		
WASHERS—continued.							
Washers, Steel, Black, Round Plate, with round hole (as specified)—continued.							
5773	1 1/4" x 1/8" x 7/16"	Vict.	10 cwt.	cwt.	1 5 0	G. F. Sewell Pty. Ltd.	
5774	1 1/4" x 1/16" x 7/16"	"	1/2 "	do.	1 13 0		
5775	1 1/4" x 1/8" x 7/16"	"	3 "	do.	1 3 6		
5776	1 1/4" x 1/8" x 7/16"	"	20 "	do.	1 3 0		
5777	1 1/2" x 1/16" x 7/16"	"	"	"	"	Nil	
5778	1 1/2" x 1/8" x 7/16"	"	"	"	"	"	
5779	1 1/2" x 1/16" x 7/16"	Vict.	1 cwt.	cwt.	1 12 0	A. J. Read	
5780	1 1/2" x 1/8" x 7/16"	"	1 "	do.	1 3 0	G. F. Sewell Pty. Ltd.	
5781	1 1/2" x 1/8" x 7/16"	"	30 "	do.	1 3 0	Chief Mechanical Engineer	
5782	1 1/2" x 1/8" x 7/16"	"	1 "	do.	1 3 0	G. F. Sewell Pty. Ltd.	
5783	1 1/2" x 1/16" x 7/16"	"	"	"	"	Nil	
5784	1 1/2" x 1/8" x 7/16"	Vict.	30 cwt.	cwt.	1 3 0	Chief Mechanical Engineer	
5785	1 1/2" x 1/8" x 7/16"	"	1/2 "	do.	1 3 0	G. F. Sewell Pty. Ltd.	
5786	2" x 1/16" x 1 1/16"	"	1 "	do.	1 12 0	A. J. Read	
5787	2" x 1/8" x 1 1/16"	"	25 "	do.	1 3 0	Chief Mechanical Engineer	
5788	2" x 1/8" x 1 1/16"	"	1 "	do.	1 3 0	G. F. Sewell Pty. Ltd.	
5789	2" x 1/16" x 1 1/16"	"	"	"	"	Nil	
5790	2" x 1/8" x 1 1/16"	"	"	"	"	"	
5791	2 1/4" x 1/8" x 1 1/16"	Vict.	3 cwt.	cwt.	1 3 0	G. F. Sewell Pty. Ltd.	
5792	2 1/4" x 1/16" x 1 1/16"	"	"	"	"	Nil	
5793	2 1/4" x 1/8" x 1 1/16"	Vict.	16 cwt.	cwt.	1 3 0	G. F. Sewell Pty. Ltd.	
5794	2 1/4" x 1/16" x 1 1/16"	"	"	"	"	Nil	
5795	2 1/4" x 1/8" x 1 1/16"	Vict.	10 cwt.	cwt.	1 3 0	G. F. Sewell Pty. Ltd.	
5796	2 1/4" x 1/16" x 1 1/16"	"	"	"	"	Nil	
5797	2 1/4" x 1/8" x 1 1/16"	Vict.	15 cwt.	cwt.	1 3 0	Chief Mechanical Engineer	
5798	2 1/4" x 1/16" x 1 1/16"	"	"	"	"	Nil	
5799	2 1/4" x 1/8" x 1 1/16"	"	"	"	"	"	
5800	2 1/4" x 1/8" x 1 1/16"	Vict.	1 cwt.	cwt.	1 3 0	G. F. Sewell Pty. Ltd.	
5801	2 1/4" x 1/4" x 1 1/16"	"	3 "	do.	1 3 0	"	
5802	2 1/4" x 1/16" x 1 1/16"	"	"	"	"	Nil	
5803	2 1/4" x 1/8" x 1 1/16"	Vict.	2 cwt.	cwt.	1 6 0	A. J. Read	
5804	2 1/4" x 1/16" x 1 1/16"	"	"	"	"	Nil	
5805	2 1/4" x 1/8" x 1 1/16"	Vict.	1 cwt.	cwt.	1 6 0	"	
5806	2 1/4" x 1/16" x 1 1/16"	"	4 "	do.	1 6 0	A. J. Read	
5807	2 1/4" x 1/8" x 1 1/16"	"	1 "	do.	1 6 0	"	
5808	3" x 1/8" x 1 1/16"	"	2 "	do.	1 6 0	"	
5809	4" x 1/8" x 2 1/16"	"	10 "	do.	1 3 0	G. F. Sewell Pty. Ltd.	
5810	4" x 1/4" x 2 1/16"	"	1/2 "	do.	1 5 0	"	
5811	4" x 1/4" x 2 1/16"	"	"	"	"	Nil	
Washers, Steel, Black, Square Plate, with round hole, as specified—							
5812	2" x 2" x 1/4" x 7/16" hole	Vict.	1 cwt.	cwt.	0 18 9	Chief Mechanical Engineer	
5813	2" x 2" x 1/4" x 7/16"	"	1 "	do.	0 18 9		
5814	2" x 2" x 1/4" x 7/16"	"	20 "	do.	0 18 9		
5815	2" x 2" x 1/4" x 7/16"	"	1 "	do.	0 18 9		
5816	2 1/2" x 2 1/2" x 1/4" x 7/16"	"	1 "	do.	0 18 9		
5817	2 1/2" x 2 1/2" x 1/4" x 7/16"	"	6 "	do.	0 18 9		
5818	2 1/2" x 2 1/2" x 1/4" x 7/16"	"	2 "	do.	0 18 9		
5819	2 1/2" x 2 1/2" x 1/4" x 7/16"	"	1 "	do.	0 18 9		
5820	3" x 3" x 1/4" x 7/16"	"	1 "	do.	0 18 9		
5821	3" x 3" x 1/4" x 7/16"	"	1 "	do.	0 18 9		
5822	3" x 3" x 1/4" x 7/16"	"	12 "	do.	0 18 9		
5823	3" x 3" x 1/4" x 7/16"	"	30 "	do.	0 18 9		
5824	3" x 3" x 1/4" x 7/16"	"	1 "	do.	0 18 9		
5825	3" x 3" x 1/4" x 7/16"	"	1 "	do.	0 18 9		
5826	3" x 3" x 1/4" x 7/16"	"	1 "	do.	0 18 9		
5827	3" x 3" x 1/4" x 7/16"	"	3 "	do.	0 18 9		
5828	3" x 3" x 1/4" x 7/16"	"	1 "	do.	0 18 9		
5829	3" x 3" x 1/4" x 7/16"	"	1 "	do.	0 18 9		
Washers, Steel, Black, Square Plate, with square hole, as specified—							
5830	3 1/2" x 3 1/2" x 1/8" x 7/16" hole	"	"	"	"		Nil
5831	3 1/2" x 3 1/2" x 1/8" x 7/16"	"	"	"	"		

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
<b>BLACK STEEL WASHERS—continued.</b>						
	Washers, Steel, Black, Round Plate, with square hole, as specified— dia. thick					
5832	1 1/8" x 1/8" x 11/16" hole .. ..	..	..	..	..	} Nil G. F. Sewell Pty. Ltd.
5833	1 3/8" x 1/8" x 11/16" .. ..	..	..	..	..	
5834	2" x 1/8" x 11/16" .. ..	Vict.	1 cwt.	cwt.	1 6 0	
	Washers, Spring Steel, Round, as specified— square section					
†5835	1/4" x 1/16" .. ..	U.K.	20 gross	gross	0 0 6	} McPherson's Pty. Ltd.
†5835A	3/16" x 1/16" .. ..	"	50	do.	0 0 4 1/2	
†5835B	1/4" x 1/8" .. ..	Vict.	20	do.	0 0 10	Henderson's Federal Spring Works Pty. Ltd.
5836	1/4" x 3/32" .. ..	..	12	do.	..	} Nil
5836A	3/8" x 1/8" .. ..	..	100	do.	..	
5836B	1/16" x 1/8" .. ..	..	90	do.	..	
†5837	3/8" x 1/16" .. ..	Vict.	3	do.	0 0 10	} Henderson's Federal Spring Works Pty. Ltd.
5838	3/8" x 3/16" .. ..	"	2	do.	0 2 6	
†5839	1/2" x 1/8" .. ..	U.K.	12	do.	0 1 4	McPherson's Pty. Ltd.
†5840	1/2" x 3/16" .. ..	Vict.	3	do.	0 3 0	Henderson's Federal Spring Works Pty. Ltd.
†5841	5/8" x 1/8" .. ..	U.K.	20	do.	0 1 9	} McPherson's Pty. Ltd.
5842	5/8" x 1/16" .. ..	"	5	do.	0 2 3	
5843	1 1/16" x 1/16" .. ..	..	5	do.	..	Nil
†5844	1 1/4" x 1/16" .. ..	U.K.	100	do.	0 2 7	McPherson's Pty. Ltd.
†5845	1 1/8" x 1/16" .. ..	Vict.	3	do.	0 3 0	} Henderson's Federal Spring Works Pty. Ltd.
†5845A	Washers, Spring Steel, Flat— 1 1/8" x 1/4" x 1/8" .. ..	"	84	do.	0 3 0	

**STEEL RIVETS.**

**SPECIFICATION.**

**STEEL RIVETS.—Items 5846 to 5876 inclusive.**

*Particulars.*—The Steel Rivets shall be in accordance with Australian Standard Specification, A.1-1928, as applied to rivets, and in accordance with the dimensions shown on V.R. Drawing, No. 8889.

*Inspection Tests.*—The Mild Steel Rivets shall be subjected to such inspection and tests as may be required by the Comptroller of Stores to ascertain if they are in accordance with this Specification. In the event of their failing to comply they shall be rejected.

Orders placed with the Workshops Manager for the Rivets to be manufactured by the Rolling Stock Branch are to be for the following minimum quantities for each order:—

- Item No. 5853 .. 10 cwt. .. To be made up of one or more lengths
- Item No. 5854 .. 10 cwt. .. To be made up of one or more lengths up to 1 1/2" long
- Item No. 5854 .. 15 cwt. .. To be made up of one or more lengths over 1 1/2" long
- Item No. 5859 .. 20 cwt. .. To be made up of one or more lengths
- Item No. 5860 .. 30 cwt. .. To be made up of one or more lengths

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
	Rivets, Mild Steel, Cup or Pan Head, as ordered (as specified)—					
5846	3/16" dia. x 5/8" in length .. ..	Vict.	1 cwt.	cwt.	1 17 6	} McPherson's Pty. Ltd.
5847	3/8" dia. x 1/2", 5/8" or 3/4" in length, as ordered .. ..	"	"	do.	1 7 3	
5848	3/8" dia. x 7/8" or 1" in length, as ordered .. ..	"	"	do.	1 7 3	
5849	3/8" dia. x 1 1/8", 1 1/4", 1 1/2", 1 3/4", 1 5/8", 1 3/4", 1 7/8" or 2" in length, as ordered .. ..	"	150	do.	1 7 3	
5850	3/8" dia. x 2 1/4", 2 1/2" or 3" in length, as ordered .. ..	"	"	do.	1 7 3	} Chief Mechanical Engineer
5851	1/2" dia. x 3/4", 7/8" or 1" in length, as ordered .. ..	"	1	do.	1 10 9	
5852	1/2" dia. x 1 1/4", 1 1/2" or 2" in length, as ordered .. ..	"	"	do.	1 10 9	} McPherson's Pty. Ltd.
5853	1/2" dia. x 3/4", 7/8" or 1" in length, as ordered .. ..	"	"	do.	1 8 9	
5854	1/2" dia. x 1 1/8", 1 1/4", 1 1/2", 1 3/4", 1 5/8", 1 3/4" or 2" in length, as ordered .. ..	"	800	do.	1 8 9	
5855	1/2" dia. x 2 1/4", 2 1/2", 2 3/4" or 3" in length, as ordered .. ..	"	"	do.	1 8 9	} McPherson's Pty. Ltd.
5856	5/8" dia. x 1 1/4", 1 1/2", 1 3/4", 1 5/8" or 2" in length, as ordered .. ..	"	"	do.	1 1 9	
5857	5/8" dia. x 2 1/4", 2 1/2", 2 3/4" or 3" in length, as ordered .. ..	"	180	do.	1 1 9	
5858	5/8" dia. x over 3" in length, as ordered .. ..	"	"	do.	1 1 9	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
<b>STEEL RIVETS—continued.</b>								
5859	Rivets, Mild Steel, Cup or Pan Head, as ordered (as specified)— <i>continued.</i> 3/4" dia. x 1", 1 1/4", 1 1/2", 1 3/4" or 2" in length, as ordered	Vict.	500 cwt.	cwt.	0	19	9	Chief Mechanical Engineer
5860	3/4" dia. x over 2" in length, as ordered	"		do.	0	18	3	
5861	1 1/8" dia. x 2", 2 1/4", 2 3/4", 2 7/8", 3" or 3 1/4" in length, as ordered	"	200 "	do.	0	18	3	
5862	1 1/8" dia. x over 3" in length, as ordered	"		do.	0	18	3	
5863	7/8" dia. x 1 1/4", 2", 2 1/4", 2 3/8", 2 1/2", 2 3/4", 3" or 3 1/4" in length, as ordered	"	100 "	do.	0	18	3	
5864	7/8" dia. x over 3" in length, as ordered	"		do.	0	18	3	
5865	1 1/8" dia. x 2 3/4", 3", 3 1/4", 3 1/2", 3 3/4" or 4" in length, as ordered	"	10 "	do.	0	18	3	
5866	1 1/8" dia. x over 4" in length, as ordered	"		do.	0	18	3	
5867	1" dia. x 4" in length and over as ordered	"	2 "	do.	0	18	3	
Rivets, Mild Steel, Flat, Countersunk Head—								
5868	3/8" dia. x 2" in length and under	"	2 "	do.	1	10	6.	McPherson's Pty. Ltd.
5869	3/8" dia. x 2" in length and under	"	10 "	do.	1	3	6	
5870	3/8" dia. x 2" in length and under	"	10 "	do.	1	0	6	
5871	3/4" dia. x over 2" in length	"	10 "	do.	0	19	3	
5872	7/8" dia. x over 2" in length	"	5 "	do.	0	19	3	
5873	1" dia. x over 2" in length	"	5 "	do.	0	19	3	
Rivets, Mild Steel, Cup, Countersunk Head—								
5874	1 1/8" dia. x over 2" in length	"	2 "	do.	1	0	6	
5875	7/8" dia. x over 2" in length	"	20 "	do.	1	0	6	
5876	1 1/8" dia. x over 2" in length	"	5 "	do.	1	0	6	
5877	} Nil							
5889								

**CAST STEEL, ETC.**

**SPECIFICATION.**

**CAST STEEL—Items 5920 to 6025 inclusive.**

*Quality of Material.*—The Cast Steel shall be of the very best quality suitable for the manufacture of the various classes of tools, or of the grade shown opposite the various items in the Schedule, and shall be free from all injurious defects.

The Tenderer shall submit with his tender a full description of the Cast Steel (which shall include the chemical and mechanical properties and the heat treatment recommended for its efficient use) which he tenders to supply.

*Branding.*—Each Cast Steel bar shall be branded with the name of the manufacturer and the brand, grade, or quality of the steel supplied.

\* Plus ruling rate of T.T. Exchange on date of delivery on 80%.

Steel, Cast, Blacksmiths' quality—"Marsh Bros."—Octagon—									
5920	1"	..	..	..	U.K.	} 12 cwt.	cwt.	*1 9 6	} Frank Wells Pty. Ltd.
5921	1 1/8"	..	..	..	"		do.	*1 9 6	
5922	1 1/4"	..	..	..	"		do.	*1 9 6	
5923	1 3/8"	..	..	..	"		do.	*1 9 6	
5924	1 1/2"	..	..	..	"		do.	*1 9 6	
5925	1 3/4"	..	..	..	"		do.	*1 9 6	
Round—									
5926	1"	..	..	..	"	do.	*1 9 6		
5927	1 1/8"	..	..	..	"	do.	*1 9 6		
5928	1 1/4"	..	..	..	"	do.	*1 9 6		
5929	1 3/8"	..	..	..	"	do.	*1 9 6		
5930	1 1/2"	..	..	..	"	do.	*1 9 6		
5931	1 3/8"	..	..	..	"	do.	*1 9 6		
5932	1 3/4"	..	..	..	"	do.	*1 9 6		
5933	2"	..	..	..	"	do.	*1 9 6		
5934	2 1/4"	..	..	..	"	do.	*1 9 6		
Steel, Cast, Miners' Drill—									
5935	Octagon—				..	2	do.	..	Nil

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.				
					£ s. d.					
CAST STEEL, ETC.—continued.										
Steel, Cast, Best Warranted — Round — "Brown Bayleys SSSS"										
5936	1" .. .. .	U.K.	}	cwt.	*3 5 4	}				
5937	1 1/8" .. .. .	"		do.	*3 5 4					
5938	1 1/4" .. .. .	"		do.	*3 5 4					
5939	1 1/2" .. .. .	"		do.	*3 5 4					
5940	1 3/4" .. .. .	"		do.	*3 5 4					
5941	1 7/8" .. .. .	"		do.	*3 5 4					
5942	2" .. .. .	"		do.	*3 5 4					
5943	2 1/8" .. .. .	"		do.	*3 5 4					
5944	2 1/4" .. .. .	"		do.	*3 5 4					
5945	2 3/8" .. .. .	"		do.	*3 5 4					
5946	2 1/2" .. .. .	"		do.	*3 5 4					
5947	2 5/8" .. .. .	"		do.	*3 5 4					
5948	3" .. .. .	"		do.	*3 5 4					
5949	3 1/8" .. .. .	"		do.	*3 5 4					
5950	3 1/4" .. .. .	"		do.	*3 5 4					
5951	3 3/8" .. .. .	"		do.	*3 5 4					
5952	3 1/2" .. .. .	"		do.	*3 5 4					
5953	3 5/8" .. .. .	"		do.	*3 5 4					
5954	4" .. .. .	"		do.	*3 5 4					
5955	4 1/8" .. .. .	"		do.	*3 5 4					
5956	4 1/4" .. .. .	"		do.	*3 5 4					
5957	4 3/8" .. .. .	"		do.	*3 5 4					
5958	4 1/2" .. .. .	"		do.	*3 5 4					
5959	4 3/4" .. .. .	"		do.	*3 5 4					
Flat—										
5960	7" x 1/2" .. .. .	"		}	do.		*3 5 4	}		
5961	8" x 3/4" .. .. .	"			do.		*3 5 4			
5962	1 1/2" x 1/2" .. .. .	"			do.		*3 5 4			
5963	1 1/2" x 7/16" .. .. .	"			do.		*3 5 4			
5964	1 3/8" x 1/2" .. .. .	"			do.		*3 5 4			
5965	1 3/8" x 5/8" .. .. .	"			do.		*3 5 4			
5966	2 1/2" x 3/8" .. .. .	"			do.		*3 5 4			
5967	1 1/2" x 3/16" .. .. .	"			do.		*3 5 4			
5968	1 1/4" x 1/2" .. .. .	"			do.		*3 5 4			
Square—										
5969	1" .. .. .	"			}		do.		*3 5 4	}
5970	1 1/8" .. .. .	"					do.		*3 5 4	
5971	1 1/4" .. .. .	"					do.		*3 5 4	
5972	1 1/2" .. .. .	"		do.			*3 5 4			
5973	1 3/4" .. .. .	"		do.			*3 5 4			
5974	2" .. .. .	"		do.			*3 5 4			
5975	2 1/4" .. .. .	"		do.			*3 5 4			
5976	2 1/2" .. .. .	"		do.			*3 5 4			
5977	2 3/4" .. .. .	"		do.			*3 5 4			
Oval—Jonas & Colver, KLAH—										
5978	7/8" x 3/8" .. .. .	"		}	do.		*3 12 6	}		
5979	1" x 3/4" .. .. .	"			do.		*3 12 6			
Octagon—Jonas & Colver, KLAH—										
5980	1 1/4" .. .. .	"		}	do.		*3 12 6	}		
5981	1 1/2" .. .. .	"	do.		*3 12 6					
5981A	Any other size, oval or octagon	"	5 "		do.	*3 12 6				
Steel, Double Shear, Flat—Jonas & Colver, No. 5 Double Shear Tamper—										
5982	1 1/2" x 8 gauge	"	}	do.	*1 19 9	}				
5983	1" x 1/2"	"		do.	*1 19 9					
5984	2" x 1/2"	"		do.	*1 19 9					
5985	4" x 1"	"		do.	*1 19 9					
5986	4" x 1 1/4"	"		do.	*1 19 9					
5987	4 1/2" x 1"	"		do.	*1 19 9					
5988	5" x 1 1/2"	"		do.	*1 19 9					
5989	3/4", round	"		2 "	do.		*1 19 9			
5990	1 1/8"	"		1 "	do.		*1 19 9			
5990A	Any other size	"		5 "	do.		*1 19 9			

F. Dawborn Pty. Ltd.

Gilbert Lodge & Co. Ltd.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
<b>CAST STEEL, ETC.—continued.</b>						
	Steel, Tool, High Speed—John Vessey, "Special Echo 18% Tungsten"—					
5991	$\frac{5}{16}$ " square, Lathe Tool Holders .. ..	U.K.	2 cwt.	lb.	*0 2 5	Coates & Co. Pty. Ltd.
5992	$\frac{3}{8}$ " square, Lathe Tool Holders .. ..	"		do.	*0 2 5	
5993	$\frac{1}{2}$ " square, Lathe Tool Holders .. ..	"	do.	*0 2 5		
5994	$\frac{3}{4}$ " square, Lathe Tool Holders .. ..	"	do.	*0 2 5		
5995	$\frac{3}{8}$ " square, Slotting Machines .. ..	"	2 cwt.	do.	*0 2 5	
5996	1" square, Milling Machines .. ..	"	1 "	do.	*0 2 5	
5997	$1\frac{1}{4}$ " square, Lathe Tools .. ..	"	1 "	do.	*0 2 5	
5998	$1\frac{1}{2}$ " square, Slotting Machines .. ..	"	1 "	do.	*0 2 5	
5999	1" x $\frac{1}{2}$ ", Turret Lathes in general .. ..	"	1 "	do.	*0 2 5	
6000	1" x $\frac{3}{8}$ ", Turret Lathe Tools .. ..	"	1 "	do.	*0 2 5	
6001	1" x $\frac{3}{4}$ ", Turret Lathes in general .. ..	"	2 "	do.	*0 2 5	
6002	$1\frac{1}{2}$ " x $\frac{7}{8}$ ", Turret Lathes in general .. ..	"	1 "	do.	*0 2 5	
6003	$1\frac{1}{2}$ " x 1", Turret Lathes in general .. ..	"	5 "	do.	*0 2 5	
6004	$1\frac{1}{2}$ " x $1\frac{1}{2}$ ", Lathe Tools .. ..	"	1 "	do.	*0 2 5	
6005	2" x $\frac{1}{16}$ ", Forming Tools .. ..	"	28 lb.	do.	*0 2 5	
6006	2" x $\frac{3}{8}$ ", Milling Cutter Blades .. ..	"	28 "	do.	*0 2 5	
6007	2" x $1\frac{1}{2}$ ", Roughing Tools, Wheel Lathes .. ..	"	1 cwt.	do.	*0 2 5	
6008	$2\frac{1}{2}$ " x $1\frac{1}{2}$ ", Forming Tools, Sellars Lathes .. ..	"	1 "	do.	*0 2 5	
6009	3" x $1\frac{1}{2}$ ", Forming Tools .. ..	"	2 "	do.	*0 2 5	
6010	3" x $1\frac{1}{2}$ ", Roughing Tools, North Melbourne .. ..	"	4 "	do.	*0 2 5	
6011	$3\frac{3}{4}$ " x $1\frac{1}{2}$ ", Roughing Tools .. ..	"	2 "	do.	*0 2 5	
6011a	Any other size .. ..	"	5 "	do.	*0 2 5	
6012	Steel, Feather Edge, Drill— $1\frac{1}{2}$ " x $\frac{3}{8}$ " .. ..	"	2 $\frac{1}{2}$ cwt.	cwt.	..	Nil
6013	Steel, Hexagon, Hollow Drill, $\frac{3}{4}$ " .. ..	"	10 "	lb.	..	
	Steel for Pneumatic Snaps, &c., Firth's "Pnusnap"—					
6014	$\frac{3}{4}$ " round .. ..	U.K.	8 "	cwt.	*3 14 0	Wm. Adams & Co. Ltd.
6015	$1\frac{1}{2}$ " round .. ..	"		do.	*3 14 0	
6016	2" round .. ..	"		do.	*3 14 0	
6017	$2\frac{1}{2}$ " round .. ..	"		do.	*3 14 0	
6018	$2\frac{1}{2}$ " round .. ..	"		do.	*3 14 0	
	Steel, Cast, Non-shrinking, for Crown Stays, Long and Short Stay Taps, &c.—"Kite" Brand—					
6019	$1\frac{1}{4}$ " round .. ..	"	5 "	do.	*6 4 6	Eagle & Globe Steel Co. Ltd.
6020	$1\frac{1}{2}$ " round .. ..	"		do.	*6 4 6	
6021	$1\frac{3}{8}$ " round .. ..	"		do.	*6 4 6	
6022	$2\frac{1}{4}$ " round .. ..	"		do.	*6 4 6	
	Steel, High Speed, for Dies and Milling Cutter Blades—John Vessey, "Special Echo 18% Tungsten"—					
6023	$1\frac{1}{8}$ " x $1\frac{1}{2}$ " .. ..	"	2 "	lb.	*0 2 5	Coates & Co. Py. Ltd.
6024	$1\frac{3}{8}$ " x $1\frac{1}{2}$ " .. ..	"		do.	*0 2 5	
6025	$1\frac{1}{2}$ " x $\frac{3}{8}$ " .. ..	"		do.	*0 2 5	
6026 to 6046	Nil					

**LOCKS, KEYS, ETC.**

As regards Item No. 6064, in the event of Locks being ordered with "keys to differ," no keys shall be repeated at lesser intervals than 72 padlocks, i.e., the combination shall comprise a minimum of 72 changes before repeating.

As regards Item No. 6073, the Locks to be supplied must conform in detail both as regards shape and size of all parts of lock and key with the departmental sample.

As regards Items Nos. 6062 and 6063, the Inspecting Officer may open up a number of Locks, equal to 6 per cent. of the number delivered against any order, and if, in his opinion, the workmanship is inferior to the Contract sample, the whole consignment shall be rejected and be marked with a rejection stamp accordingly.

The weight of each Lock shall be approximately the same as that of the Contract sample, and any Lock weighing less than 90 per cent. of the weight of the sample shall be absolutely rejected.

The rates for all imported items are firm as regards exchange and conversion.



Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
LOCKS, KEYS, ETC.— <i>continued.</i>								
†6047	Keys, for Rim Locks, "Vaughan"	U.K.	8 doz.	dozen	0	7	4	} C. J. White & Sons Pty. Ltd.
†6048	" for Reversible Rim Locks, "Vaughan"	"	2 "	do.	0	4	11	
†6049	" for Mortise Locks, "Vaughan"	"	1 "	do.	0	5	6	
*6050	Keys, Blank— Paracentric, Cylinder, for Night Latches, "Yale and Towne," No. 04	"	100 "	do.	0	2	6	C. S. Green & Son
*6051	Paracentric, Cylinder, for Padlocks	"	16 "	do.				} Nil
*6052	Paracentric, Cylinder, for Drawer or Cupboard Locks	"	"	"				
*6053	Corrugated, for Night Latches	U.K.	30 doz.	dozen	0	2	9	E. Duckett & Sons
*6054	Flat, for Padlocks, "Kiel"	U.S.A.	300 "	do.	0	1	4	C. J. White & Sons Pty. Ltd.
*6055	Keys, Blanks, for Drawer Locks	"	90 "	do.				} Nil
*6056	" " Mortise Locks, any pattern ordered	"	12 "	do.				
*6057	" " Safe Locks "Vaughan"	U.K.	20 "	do.	0	4	4	} C. J. White & Sons Pty. Ltd.
†6058	Latches, Suffolk	"	12 "	each	0	1	0	
†6059	" " Night, Cylinder Action, triplicate keys, "J. Hubball"	Vict.	60	do.	0	8	1	} E. Duckett & Sons
†6060	" " Surface Gate, "McMillan and Co."	"	120	do.	0	0	7½	
6061	Lock Sets, Mortise, with oxidized iron furniture	"	6	do.				Nil
*6062	Locks, Pad, Brass, 2", to pass without Keys, V.R. pattern, V.R. to be cast on front, "Jackson's"	Tas.	1,000	do.	0	1	6½	} W. Hartley Pty. Ltd.
*6063	" " Pad, Brass, 2", to differ with 2 Keys, V.R. pattern, VRDI to be cast on front, 3 lever, "Jackson's"	"	300	do.	0	2	8	
†6064	" " Pad, Brass, 1½", cylinder action, with duplicate Keys, to differ or pass, as ordered, "Willenhall"	U.K.	600	do.	0	5	3	C. J. White & Sons Pty. Ltd.
†6065	Locks, Rim, Iron, with furniture complete, 2 bolts, 6", R.H. or L.H., as ordered	"	"	do.				Nil
†6066	" " Rim, Iron, with furniture complete, 2 Bolts, 6" reversible, as ordered, "H. Lane"	N.S.W.	200	do.	0	2	7	C. S. Green and Sons
†6067	" " Rim, Iron, without furniture, complete, 3 bolts, 6" R.H. or L.H., as ordered	"	6	do.				} Nil
†6068	" " Rim, Iron, without furniture, complete, 2 bolts, 6" reversible	"	6	do.				
†6069	" " Straight, Cupboard, Brass, with duplicate keys (keys to differ or pass, as ordered), 2-lever, 3", "Jackson's"	Tas.	36	do.	0	2	6	} W. Hartley Pty. Ltd.
	" " Till, Brass, "Hobb's" pattern, with duplicate keys (keys to differ or pass, as ordered), 4 lever, "Jackson's"—	"	"	"	"	"	"	
†6070	2½"	"	36	do.	0	3	3	
†6071	3"	"	60	do.	0	3	6	} J. W. Harris
*6072	" " Mortise, Iron, Spring, 1½", single or double action, as ordered	Vict.	72	do.	0	4	3	
*6073	" " Switch, fitted with brass shackle and steel chain, one key each, keys to pass, with V.R. cast on front of lock	"	200	do.	0	4	1	Workshops Manager, Spotswood
*6074	" " Pad, Brass, 3", with one key to pass, for Powder Vans	"	12	do.	0	6	6	} J. W. Harris
	Staples, Box, for Rim Locks—	"	"	"	"	"	"	
†6075	For Item 6065, 6" .. .. .	"	15 doz.	dozen	0	10	0	} C. J. White & Sons Pty. Ltd.
†6076	For Item 6066, 6" .. .. .	N.S.W.	6 "	do.	0	3	0	
6077 to 6090	} Nil							

**OVERALLS.**

The samples of the Overalls may be seen at Room 20A, Railway Offices, Spencer-street, Melbourne.

The tenderer shall submit with his tender samples (at least 12 square inches) of the material from which he proposes to manufacture the Overalls. Such samples shall be deposited by him with the Comptroller of Stores, Room 20A, Railway Offices, Spencer-street, Melbourne, at or before the time fixed for the reception of tenders.

The Overalls shall consist of (Item No. 6091) a two-piece suit comprising coat and trousers, and shall be to sizes as may be ordered; (Item No. 6092) a combination suit made to sizes as may be ordered.

The Overalls shall, in the judgment of the Comptroller of Stores, be of the best quality and workmanship, in every respect in accordance with the samples exhibited by the Corporation, excepting as regards the quality of the cloth, which shall be in accordance with the sample of cloth submitted by the Contractor.

The Overalls shall be delivered where and as directed from time to time at the V.R. Clothing Depot, Room 28, Flinders-street Station Buildings, Melbourne, subject to inspection.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per--	Rate.	Name of Contractor.
					£ s. d.	
*6091	Overalls, two-piece (as worn by Running Shed Mechanics), any sizes ordered, and as specified, No. 2 Cloth	Vict. (partly)	150 suits	suit	0 10 9	The Sterling Clothing Co. Pty. Ltd.
*6092	Combination (as worn by Motor Omnibus Drivers and Rail Motor Drivers), any sizes ordered, and as specified, No. 1 Cloth	"	60 "	do.	0 11 6	
6093	Nil					

**WATERPROOF OVERCOATS AND PULL-ONS.**

(For use of Shunters, &c.)

The Contractor submitted samples of the fabrics and layers of vulcanized rubber to be used in the manufacture of the Waterproof Overcoats and Pull-ons.

The materials to be used in the manufacture of the Waterproof Overcoats and Pull-ons shall be submitted to mechanical tests and chemical analysis, and the results obtained from such mechanical tests and chemical analysis of the successful Tenderer's samples shall become the standard of quality required in deliveries under this Contract.

**SPECIFICATION.**

QUALITY, WORKMANSHIP, FIT, ETC.

All the Overcoats and Pull-ons supplied under this Contract shall be in strict accordance with Contract samples regarding workmanship, and Contractor's samples of material regarding quality, and shall be subject to such examination and tests as the Comptroller of Stores may direct. Each article supplied under this Contract shall be of the best workmanship, and of proper fit, and shall be branded with white paint with the letters "V.R." and a consecutive number (as ordered). Any percentage of the Overcoats and Pull-ons as authorized by the Comptroller of Stores will be subjected to chemical and physical tests to determine whether the materials used in the manufacture are of quality equal to that of the samples submitted with tender, and failure to comply with these tests will render the whole consignment liable to rejection.

**MEASUREMENTS.**

The Corporation will supply the Contractor with the measurements of employees, and the Contractor will require to make from the measurements so ascertained any articles which may be ordered hereunder. Always provided that the length of Overcoats so ordered shall conform to the undermentioned scale of Heights and Lengths :-

Height of Employee.	Length of Overcoat.
5' 1" and under .. .. .	.....33 inches
Over 5' 1" to 5' 3" inclusive .. .. .	.....34 "
.. 5' 3" to 5' 6" inclusive .. .. .	.....36 "
.. 5' 6" to 5' 9" inclusive .. .. .	.....39 "
.. 5' 9" .. .. .	.....40 "

**INSPECTION.**

Final inspection of the articles will be made at the Uniform Room, No. 28, First Floor, Railway Buildings, Flinders-street, Melbourne.

The Comptroller of Stores or the Receiving Officer shall have free access to all parts of the factory of the Contractor at all reasonable times. He shall be at liberty to inspect the material during the manufacture of the Overcoats and Pull-ons and to reject any material or article that does not conform



**UNIFORM CAPS.**

The Contractor shall supply and deliver the Uniform Caps comprising such items and in such quantities as may from time to time be ordered in writing by the Comptroller of Stores for the period from 1st July, 1932, to 30th June, 1933, provided that the Contractor shall not during the period of the Contract be under obligation to deliver in any one week any number of Uniform Caps exceeding 100.

**QUALITY, WORKMANSHIP, FIT, ETC.**

The Uniform Caps shall in the judgment of the Comptroller of Stores be of the very best quality and workmanship and shall be made by the best and most approved methods, and every Uniform Cap shall, in the opinion of the Comptroller of Stores, be of proper fit, and the whole of the Uniform Caps ordered under this Contract shall be made, supplied, and delivered in strict accordance with the annexed Conditions of Contract and this Schedule and to the entire satisfaction of the Comptroller of Stores.

All the Uniform Caps shall be strictly in accordance with the signed samples, and all gold braiding forming portion of any cap or caps supplied to Sample No. 1 in this Schedule shall be subject to such nitric acid or other tests as the Comptroller of Stores may from time to time direct with a view to ensuring that all such gold braiding is equal to the signed sample, and in the event of any such gold braiding failing to withstand or fulfil such tests to the satisfaction of the Comptroller of Stores, the cap or caps of which such gold braiding forms a part will be liable to rejection.

**DELIVERY.**

The Uniform Caps shall be delivered at the Uniform Room, No. 28, First Floor, Railway Buildings, Flinders-street, Melbourne. Each Uniform Cap shall be delivered as aforesaid in a separate proper cardboard box to the satisfaction of the Comptroller of Stores.

**INSPECTION—REJECTION.**

After delivery as aforesaid, the Uniform Caps will be subject to inspection and testing by the Comptroller of Stores or the Receiving Officer, and the Comptroller of Stores shall have full power to reject any of the Uniform Caps which, in his opinion, are not in accordance with this Contract. Always provided (notwithstanding that the Uniform Caps or any of them have been inspected, tested, and passed by the Comptroller of Stores or the Receiving Officer) that the Contractor may subsequently be called upon to properly and effectually alter or adjust any Uniform Caps which may, in the opinion of the Comptroller of Stores or the Receiving Officer, be found to be a misfit, and the Contractor when so called upon shall forthwith convey such Uniform Caps to the Contractor's factory or premises, and shall, at his own cost, within 48 hours after the Uniform Caps shall have been handed over to him, deliver the same to the Corporation where and as directed at the Uniform Room, No. 28, First Floor, Railway Buildings, Flinders-street, Melbourne, altered and adjusted to the satisfaction of the Comptroller of Stores or the Receiving Officer, failing which the said Uniform Caps may be absolutely rejected.

The Comptroller of Stores or the Receiving Officer shall have free access to all parts of the factory of the Contractor at all reasonable times. He shall be at liberty to inspect the material during the manufacture of the Uniform Caps and to reject any material or Caps that do not conform to the conditions of this Contract, and notwithstanding that any materials or Caps may have been inspected and passed at the factory of the Contractor, they shall be liable to rejection as provided in clause 13 of the annexed Conditions of Contract.

Any materials or Caps rejected by the Comptroller of Stores or the Receiving Officer at the factory of the Contractor shall not be re-submitted for delivery without the approval of the Comptroller of Stores or the Receiving Officer.

**BUTTONS PURCHASED FROM THE CORPORATION.**

The Contractor shall purchase from the Corporation the Buttons required for all Caps to be supplied under this Contract, and the Contractor shall pay for the same in cash prior to delivery at the following rates, that is to say:—

For all Gilt Buttons the Contractors shall pay at the rate of 24s. per gross.

For all Nickel Buttons the Contractor shall pay at the rate of 12s. per gross.

In every case where the Contractor shall receive an order from the Comptroller of Stores for any of the Uniform Caps described in this Schedule which require Buttons of the description hereinbefore referred to, he shall forthwith make application to the Comptroller of Stores, in writing, for the quantity of Buttons that will be required by the Contractor for the fulfilment of the order; and on receipt of such application the Comptroller of Stores will deliver to the Contractor, at the Uniform Room, No. 28, First Floor, Railway Buildings, Flinders-street, Melbourne, the quantity of Buttons so applied for.

No Nickel or Gilt Buttons other than those purchased from the Corporation as aforesaid shall be used under this Contract, and none of the Buttons so purchased shall be used by the Contractor except for the manufacture of the Uniform Caps specified in this Contract.

The Caps shall be in every respect in accordance with the Contract sample excepting quality of Cloth.

The Caps shall be manufactured from Cloth in accordance with the sample submitted by the Contractor with his tender.

**NO SUB-LETTING, ETC.**

The Contractor shall not sub-let any of the work to be performed under this Contract, and the whole of such work shall be carried out in the registered factory of the Contractor.

## UNIFORM CAPS—continued.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.			Name of Contractor.
					£	s.	d.	
*6098	Cap, with two gold braids, as per sample No. 1 (worn by Stationmasters), any sizes ordered	Vict.	90	each	0	9	6	Commonwealth Government Clothing Factory
*6099	Cap, with oak-leaf band, as per sample No. 2 (worn by Assistant Stationmasters and Clerks), any sizes ordered	"	100	do.	0	7	6	
*6100	Cap, with oak leaf, as per sample No. 3 (worn by Guards, Ticket Checkers, Head Porters, Leading Porters, Senior Porters, Tram Conductors, Tram Motormen), any sizes ordered	"	250	do.	0	7	6	
*6101	Cap, plain, as per sample No. 4 (worn by Porters, &c.), any sizes ordered	"	500	do.	0	7	0	
*6102	Cap, as per sample No. 5 (worn by Licensed Luggage Porters), any sizes ordered	"	12	do.	0	7	6	
*6103	Cap, with oak-leaf band, as per sample No. 6 worn by Electric Train Drivers), any sizes ordered	"	200	do.	0	7	6	
*6104	Cap, dark green, as per sample No. 7 (worn by Motor Omnibus Drivers), any sizes ordered	"	12	do.	0	8	6	
6105 to 6108	Nil							

## CLOTH OVERCOATS.

## SAMPLES.

The Contractor will be furnished with a *working sample in every respect similar to the contract sample, and on completion of this contract or on demand he shall return the sample in good order and condition to the Comptroller of Stores, Uniform Room, Flinders-street, Melbourne.*

## QUALITY, WORKMANSHIP, MEASUREMENTS.

The Overcoats supplied under this contract shall be in strict accordance with the contract sample as regards quality of manufacture, workmanship, and design, and shall be to the measurements ordered. The Overcoats shall be manufactured, supplied, and delivered in accordance with this Schedule, the annexed Conditions of Contract, and in every respect to the satisfaction of the Comptroller of Stores.

Each Overcoat ordered shall be to measurements supplied to the Contractor by the Comptroller of Stores.

## BRANDING.

Each Overcoat shall be branded on the lining with white paint with the letters "V.R." and with a number (as ordered), and each article shall be finished with one band of brown braid  $\frac{1}{2}$  inch wide on each sleeve about 4 inches from the cuff edge.

## ALTERATIONS OR ADJUSTMENTS.

During the currency of this contract the Contractor may be called upon by order in writing to alter or adjust any Overcoat at the cost of the Corporation, and on completion of such alteration or adjustment he will be paid at the rate shown in the annexed Schedule for the particular alteration or adjustment.

The rates shown in the annexed Schedule for alterations or adjustments shall include for all labour and materials incidental thereto and for carriage to and from Contractor's factory.

All alterations or adjustments on Overcoats which have been rejected by the Comptroller of Stores or the Receiving Officer, or which may be adapted as provided in the following clause, shall be carried out by and at the cost of the Contractor.

## CANCELLATIONS.

The Corporation reserves the right to cancel any item or items on any order at its option, and, notwithstanding that the manufacture of any Overcoat may have been commenced before receipt by the Contractor of notice of cancellation, the Contractor shall have no claim for payment in respect thereto, but he may adapt such Overcoat to any other Overcoat which may be ordered, and, after delivery, payment will be made at the rate shown in the annexed Schedule for such completed Overcoat.

## DELIVERY AND INSPECTION.

The Overcoats shall be delivered where and as directed at the Uniform Room, No. 28, 1st Floor, Railway Buildings, Flinders-street, Melbourne, and will there be subject to inspection.

The Overcoats shall be folded and delivered in good order and condition in properly protected parcels or hampers provided by the Contractor.

CLOTH OVERCOATS—*continued.*

## CARDS ON OVERCOATS.

The Contractor shall attach a card to each Overcoat, on which he shall insert the Order Number, Grade, and Location of the Employee for whom the article was ordered, and also the measurements furnished by the Corporation to which the Overcoat has been made.

## INVOICES AND LISTS.

The Contractor shall, in connexion with each delivery of the Overcoats, furnish to the Receiving Officer—

- (a) a Delivery Docket (in triplicate) on forms provided by the Corporation for that purpose ;
- (b) an invoice (in duplicate) on forms provided by the Corporation for that purpose ; and
- (c) a list prepared (in triplicate) showing the Order Number, the Schedule Item Number, and Names, Grades, and Locations of the Employees for whom the Overcoats were ordered.

## INSPECTION AND REJECTION AT CONTRACTOR'S FACTORY.

The Comptroller of Stores or the Receiving Officer shall have free access to all parts of the factory of the Contractor at all reasonable times. He shall be at liberty to inspect the material during the manufacture of the Overcoats and to reject any material or Overcoat that does not conform to the conditions of this contract, and, notwithstanding that any material or Overcoat may have been inspected and passed at the factory of the Contractor, it shall be liable to rejection, as provided in clause 13 of the annexed Conditions of Contract.

Any material or Overcoat rejected by the Comptroller of Stores or the Receiving Officer at the factory of the Contractor shall not be re-submitted for delivery without the approval of the Comptroller of Stores or the Receiving Officer.

## TIME FOR DELIVERIES.

Providing the Overcoats have been ordered and have not been previously delivered, the Contractor shall deliver in each and every week at least 30 Overcoats, and any arrears in any one week shall be delivered during the following week, in addition to at least 30 Overcoats.

In making deliveries as hereinbefore provided the Contractor shall give precedence of delivery to such particular Overcoats as the Comptroller of Stores may from time to time in writing direct.

## MATERIAL TO BE PURCHASED FROM THE CORPORATION.

The Contractor shall purchase from the Corporation the materials hereinafter described and required for the purposes of this contract, and the Contractor shall make application in writing to the Comptroller of Stores for such quantity of each item as may be required by him, and he shall pay for the materials prior to delivery at the rates hereinafter shown for same.

Except as hereinafter provided, or as may be otherwise directed, no material other than that purchased from the Corporation as aforesaid shall be used for the purpose of this contract, and none of the materials so purchased is to be used by the Contractor, except for the manufacture of Overcoats under this contract.

After payment by the Contractor the Comptroller of Stores will as far as is practicable deliver to the Contractor at the Uniform Room, No. 28, First Floor, Railway Buildings, Flinders-street, Melbourne, the quantity of material applied for.

On completion of this contract, or on demand, the Contractor shall deliver to the Comptroller of Stores, Uniform Room, Flinders-street, Melbourne, any balance of the material then in his possession, and provided that the same be in good order and condition to the satisfaction of the Comptroller of Stores, the Corporation will pay the Contractor for same at the rates at which it was purchased from the Corporation.

The following materials required in the manufacture of the Overcoats shall be purchased by the Contractor from the Corporation at the prices shown hereunder :—

- Cloth, Indigo, 24 ounces per lineal yard, 58 inches wide. Rate, 7s. 11d. per yard of 36 inches.
- Cloth, Black Italian (for linings), 54 inches. Rate, 1s. 7d. per lineal yard.
- Buttons, Large, Nickel. Rate, 13s. per gross.
- Buttons, Small, Nickel. Rate, 12s. per gross.
- Cloth, Brown, for piping, 56 inches. Rate, 4s. 6d. per lineal yard.
- Silesia, Black, 39/40 inches. Rate, 7½d. per lineal yard.
- Duck, Fawn Linen, 24 inches. Rate, 6½d. per lineal yard.

## MATERIAL TO BE PROVIDED BY THE CONTRACTOR.

Any materials required in the manufacture of the Overcoats, and which are not specified to be purchased from the Corporation, shall be provided by the Contractor, and such materials shall be of equal quality to the contract sample, to the satisfaction of the Comptroller of Stores or the Receiving Officer.

All pure linen thread required in the manufacture of the Overcoats shall be No. 60.

The pure linen thread shall be manufactured by Coats Ltd. at Paisley, Scotland.

All cotton required in the manufacture of the Overcoats shall be manufactured by Coats Ltd. at Paisley, Scotland.

Silk required for all outside work on Overcoats as provided for in the contract sample shall be No. 24 and of first grade quality.

Silk of first grade quality, and No. 20 or No. 24, shall be used on all button holes.

The Silk will be manufactured by Anthony Ward at England.

CLOTH OVERCOATS—*continued.*

SUB-LETTING.

The Contractor shall not sublet any of the work to be performed under this contract, and the whole of such work shall be carried out in the registered factory of the Contractor.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
*6109	Overcoats, Cloth, to sample exhibited, and as specified	Vict.	150	each	£ s. d. 1 16 0	Commonwealth Government Clothing Factory
6110	Allowance for Alterations or Adjustments, as may be ordered in writing to completed Overcoats, as specified— Allowance for Shortening or Lengthening Coat	„	..	do.	0 2 6	
6111	Allowance for Shortening or Lengthening Sleeves	„	..	pair	0 2 6	
6112 to 6113	} Nil					

## APPENDIX "A."

## SPECIFICATION FOR BITUMEN (ASPHALTIC CEMENT).—Item No. 2801.

*Grade.*—The penetration with a standard No. 2 needle and 100-gram weight at 25° C. (77° F.) for five seconds shall be between 85 and 100.

*Information to be Supplied.*—Tenderer shall submit with his tender the following information in respect of the material. To receive consideration, the material must comply with the Specification limits where shown :—

- (a) Country of origin—Mexico.
- (b) Method of production and refinement—Steam distillation.
- (c) It shall be homogeneous and entirely free from water.
- (d) Specific gravity at 60° F. (1.03).
- (e) Penetration with standard No. 2 needle under the following conditions of temperature, weight, and time :—
  1. 25° C. (77° F.), 100 gms., five seconds between 85 and 100—92.
  2. 32.3° C. (90° F.), 50 gms., five seconds shall be not more than 150 per cent. of the penetration at 77° F., 100 gms., five seconds—Not more than 150 per cent. of (1).
  3. 0.0° C. (32° F.), 200 gms., 60 seconds shall be not less than 25 per cent. of penetration at 77° F., 100 gms., five seconds—Not less than 25 per cent. of (1).
- (f) Ductility at 77° F. (25° C.) on a section 1 centimeter square at 5 cm. per minute shall be not less than 75 cms.—Over 105 cm.
- (g) Ductility at 32° F. (0° C.) on section 1 cm. square at 5 cm. per minute shall not be less than 1.5 cms.—4.5 cm.
- (h) Softening point as determined by the ball and ring method shall be not less than 115° F. (46.1° C.)—118° F.
- (i) Loss of weight on heating a 50 gm. sample for five hours at 163° C. (325° F.) (not more than 2 per cent.) and the penetration of the residue after such heating (taken at 25° C. (77° F.) 100 gms., five seconds) shall not be less than 60 per cent. of the normal penetration as specified under clause 7 (e) 1—Less than 0.2 per cent. Penetration 80 per cent. of that under E1.
- (j) Flash and fire points (Cleveland open cup method) (flash point not less than 232° C. (450° F.)—500° F.
- (k) Solubility of the material in carbon tetrachloride (not less than 99 per cent.)—99.9 per cent.
- (l) Solubility of the material in 88° Baume petroleum ether shall not be greater than 90 per cent.—70 per cent.

*Samples.*—Tenderer shall submit with his tender a sample of not less than 10 lb. of each grade of the material which he proposes to supply. Tenderer shall guarantee that the materials to be supplied shall be equal in all respects to the sample, and shall conform with the information supplied under clause 6.

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

*Specification for Items 2811 to 2814.*—The tar shall be produced by the distillation of crude tar which has been derived exclusively from the destructive distillation of bituminous coal in the process of gas manufacture. Specific gravity at 77° F. from 1.11 to 1.17. Free Carbon per cent. by weight from 7 to 14 per cent.

*Distillation Test.*—0° to 170° light tar oils, not more than 2 per cent. by volume. 170° to 230° medium tar oils, not more than 8 per cent. by volume. 230° to 300° heavy tar oils, at least but preferably more than 14 per cent. by volume. Total oils between the limits of 18 per cent.—26 per cent. inclusive. Pitch residue between the limits of 74 per cent.—82 per cent. inclusive. Softening point of pitch residue by ring and ball method, not less than 100° F.



## APPENDIX "B."

BASIC CARBONATE WHITE LEAD.—SPECIFICATION B.1.—*Item No. 2843.*

The White Lead shall conform to the Australian Standards Association Specification No. K.9, 1928.

ZINC OXIDE.—SPECIFICATION B.2.—*Item No. 2866.*

The Zinc Oxide shall conform to the Australian Standards Association Specification No. K.18, 1929.

RED LEAD.—SPECIFICATION B.5.—*Items No. 2841 and 2842.*

The Red Lead shall conform to the Australian Standards Association Specification No. K.19, 1929.

INDIAN RED.—SPECIFICATION B.6.—*Item No. 2849.*

## I.—SCOPE.

This Specification covers the ferrous pigment known as Indian Red, purchased either as a dry pigment or ground in oil to form a paste.

## II.—MANUFACTURE.

(a) Dry Pigment.—The dry pigment shall consist of mixtures of oxide of iron ( $\text{Fe}_2\text{O}_3$ ) with silica or silicates, and shall be free from alkali and organic colouring matter.

(b) Paste.—The paste shall be made by thoroughly grinding the specified pigment with raw linseed oil, conforming to the requirements of Specification A.1, Paint Vehicles.

## III.—PROPERTIES AND TESTS.

(a) Dry Pigment.—The pigment shall conform to the following requirements:—

	Maximum.	Minimum.
Coarse particles retained on Standard No. 200 screen, per cent.	0	..
Oxide of iron, per cent.	..	95.0
Sulphur in any other form than calcium sulphate, per cent.	0.25	..
Organic colouring matter shall be absent.		

(b) Paste.—The paste as received shall not be caked in the container, and shall break up readily in oil to form a smooth paint of brushing consistency. The paste shall consist of:—

	Maximum.	Minimum.
Pigment (as specified above), per cent.	..	78
Linseed Oil, per cent.	22.0	..
Moisture and other volatile matter, per cent.	0.7	..
Coarse particles and skins (total residue retained on Standard No. 200 screen, based on pigment), per cent.	0.5	..

## IV.—SAMPLING AND TESTING.

A sample shall be drawn from one unopened package, selected at random, from each delivery.

The Indian Red shall be tested according to the methods described in "Circular of the Australian Railways—Testing of Paint Materials."

VENETIAN RED.—SPECIFICATION B.7.—*Items Nos. 2851 and 2852.*

## I.—SCOPE.

This Specification covers the ferrous pigment known as Venetian Red, purchased either as a dry pigment or ground in oil to form a paste.

## II.—MANUFACTURE.

(a) Dry Pigment.—The dry pigment shall consist of oxide of iron ( $\text{Fe}_2\text{O}_3$ ), and compounds of calcium, silicon, and aluminium, free from acid and alkali and organic colouring matter.

(b) Paste.—The paste shall be made by thoroughly grinding the specified pigment with raw linseed oil, conforming to the requirements of Specification A.1, Paint Vehicles.

## III.—PROPERTIES AND TESTS.

(a) Dry Pigment.—The pigment shall conform to the following requirements:—

	Maximum.	Minimum.
Coarse particles retained on Standard No. 200 screen, per cent.	0	..
Oxide of iron, per cent.	..	20

The remainder shall consist of calcium sulphate, calcium carbonate, silica, or silicates.

(b) Paste.—The paste as received shall not be caked in the container and shall break up readily in oil to form a smooth paint of brushing consistency. The paste shall consist of:—

	Maximum.	Minimum.
Pigment (as specified above), per cent.	..	70.0
Linseed Oil, per cent.	30.0	..
Moisture and other volatile matter, per cent.	0.7	..
Coarse particles and skins (total residue retained on Standard No. 200 screen, based on pigment), per cent.	0.5	..

## IV.—SAMPLING AND TESTING.

A sample shall be drawn from one unopened package, selected at random, from each delivery.

The Venetian Red shall be tested according to the methods described in "Circular of the Australian Railways—Testing of Paint Materials."

## APPENDIX "B"—continued.

## COLOURS, PIGMENTS, AND DYES—continued.

## IRON OXIDE.—SPECIFICATION B.8.—Items Nos. 2846 and 2847.

## I.—SCOPE.

This Specification covers iron oxide (hæmatite) pigments of red and brown colours, purchased either as dry pigment or ground in oil to form a paste.

## II.—MANUFACTURE.

(a) Dry Pigment.—The pigment shall be very finely ground iron oxide siliceous materials. Different grades shall be specified, and the order shall state which grade is required.

(b) Paste.—The paste shall be made by thoroughly grinding the specified pigment in raw linseed oil, conforming to the requirements of Specification A.1, Paint Vehicles.

## III.—PROPERTIES AND TESTS.

(a) Dry Pigment.—The pigment shall conform to the following requirements:—

	Maximum.	Minimum.
Coarse particles retained on Standard No. 200 screen, per cent.	0·0	..
Ferric oxide, per cent. . . . .	..	..
Material other than ferric oxide, insoluble siliceous matter and loss on ignition, per cent. . . . .	To be filled in after tender is accepted.	
Organic colouring matter shall be absent.		

(b) Paste.—The paste as received and for three months thereafter shall not be caked in the container, and shall break up readily in oil to form a smooth paint of brushing consistency. It shall mix readily without curdling with linseed oil, turpentine, or volatile mineral spirits, or any combination of these.

The pasté shall consist of:—	Maximum.	Minimum.
Pigment (as specified above), per cent. . . . .	82·0	75·0
Linseed oil, per cent. . . . .	25·0	18·0
Moisture and other volatile matter, per cent. . . . .	0·7	..
Coarse particles and skins (total residue retained on Standard No. 200 screen, based on pigment), per cent. . . . .	0·5	..

## IV.—SAMPLING AND TESTING.

A sample shall be drawn from one unopened package, selected at random, from each delivery.

The iron oxide shall be tested according to the methods described in "Circular of the Australian Railways—Testing of Paint Materials."

## OCHRE.—SPECIFICATION B.9.—Items Nos. 2844 and 2845.

## I.—SCOPE.

This Specification covers ferrous earthy pigments included under the general term "Ochre," purchased either as a dry pigment or ground in oil to form a paste.

## II.—MANUFACTURE.

(a) Dry Pigment.—The pigment shall be a hydrated oxide of iron permeating a siliceous base and shall be free from impurities and organic colouring matter.

(b) Paste.—The paste shall be made by thoroughly grinding the specified pigment in raw linseed oil conforming to the requirements of Specification A.1, Paint Vehicles.

## III.—PROPERTIES AND TESTS.

(a) Dry Pigment.—The pigment shall conform to the following requirements:—

	Maximum.	Minimum.
Coarse particles retained on Standard No. 200 screen, per cent. . . . .	0·0	..
Iron oxide, per cent. . . . .	..	17
Lime (CaO), per cent. . . . .	5	..
Lead chromate . . . . .	None*	..
Organic colouring matter shall be absent.		

(b) Paste.—The paste as received shall not be caked in the container, and shall break up readily in oil to form a smooth paint of brushing consistency. The paste shall consist of:—

	Maximum.	Minimum.
Pigment (as specified above), per cent. . . . .	71	69
Linseed oil, per cent. . . . .	31	29
Moisture and other volatile matter, per cent. . . . .	0·7	..
Coarse particles and skins (total residue retained on Standard No. 200 screen, based on pigment), per cent. . . . .	0·5	..

## IV.—SAMPLING AND TESTING.

A sample shall be drawn from one unopened package, selected at random, from each delivery.

The Ochre shall be tested according to the methods described in "Circular of the Australian Railways—Testing of Paint Materials."

\* Oxford Ochres may contain lead chromate.

APPENDIX "B"—*continued.*COLOURS, PIGMENTS, AND DYES—*continued.*CHROME (YELLOW).—SPECIFICATION B.10.—*Items Nos. 2837 and 2838.*

## I.—SCOPE.

This Specification covers the pigments known as Yellow Chromes, including Lemon, Middle, and Orange Chromes, purchased either as a dry pigment or ground in oil to form a paste.

## II.—MANUFACTURE.

(a) Dry Pigment.—The pigment shall consist of lead chromate, together with lead compounds in such proportions as are appropriate to the shade of Chrome in question.

The order shall state whether Lemon, Middle, or Orange Chrome is desired.

(b) Paste.—The paste shall be made by thoroughly grinding the specified pigment in raw linseed oil, conforming to the requirements of Specification A.1, Paint Vehicles.

## III.—PROPERTIES AND TESTS.

(a) Dry Pigment.—The pigment shall conform to the following requirements:—

	Maximum.
Coarse particles retained on Standard No. 200 screen, per cent ..	0
Material other than chromates, oxide, and sulphate of lead, per cent.	4

(b) Paste.—The paste as received shall not be caked in the container and shall break up readily in oil to form a smooth paint of brushing consistency. The paste shall consist of:—

	Maximum.	Minimum.
Pigment (as specified above), per cent. .. .. .	..	..
Linseed oil, per cent. .. .. .	..	..
Moisture and other volatile matter, per cent. .. .. .	0·7	..
Coarse particles and skins (total residue retained on Standard No. 200 screen, based on pigment), per cent. .. .. .	0·5	..

## IV.—SAMPLING AND TESTING.

A sample shall be drawn from one unopened package, selected at random, from each delivery. The Chrome shall be tested according to the methods described in "Circular of the Australian Railways—Testing of Paint Materials."

GREEN.—SPECIFICATION B.11.—*Item No. 2840.*

## I.—SCOPE.

This Specification covers the pigments known as Brunswick Green, Light, Middle, and Deep, purchased as dry pigment.

## II.—MANUFACTURE.

The pigment shall consist of lead chromate, lead sulphate, and Prussian blue, combined with barytes and siliceous material without the addition of organic colouring matter. The order shall state what shade is required.

## III.—PROPERTIES AND TESTS.

The pigment shall conform to the following requirements:—

	Maximum.	Minimum.
Coarse particles retained on Standard No. 200 screen, per cent. .. .. .	0·0	..
Total lead chromate, lead sulphate, } Light and Middle and insoluble Prussian blue (colour), } Deep .. .. .	..	15·0 9·0
per cent. .. .. .		
Material soluble in water, including soluble Prussian blue, per cent. .. .. .	0·5	..
Acid soluble, or water soluble calcium in any form, calculated as CaO, per cent. .. .. .	2·0	..
Material other than colour and barium sulphate, per cent. ..	15·0	..
The remainder shall be barium sulphate.		

## IV.—SAMPLES AND TESTING.

A sample shall be drawn from one unopened package, selected at random, from every delivery.

Green pigments shall be tested according to the methods described in "Circular of the Australian Railways—Testing of Paint Materials."

APPENDIX "B"—*continued.*COLOURS, PIGMENTS, AND DYES—*continued.*SIENNA AND UMBER.—SPECIFICATION B.12.—*Items Nos. 2853 to 2862.*

## I.—SCOPE.

This Specification covers those pigments known as Sienna and Umber, both Raw and Burnt, purchased either as dry pigment or ground in oil to form a paste.

## II.—MANUFACTURE.

(a) Dry Pigment.—The pigment shall be of a hydrated oxide of iron, with presence of manganese, permeating an earthy base. It shall be free from acid and alkali and organic colouring matter. The order shall state whether Raw or Burnt Sienna or Umber is required.

(b) Paste.—The paste shall be made by thoroughly grinding the specified pigment in raw linseed oil, conforming to the requirements of Specification A.1, Paint Vehicles.

## III.—PROPERTIES AND TESTS.

(a) Dry Pigment.—The pigment shall conform to the following requirements:—

	Sienna.		Umber.	
	Maximum.	Minimum.	Maximum.	Minimum.
Coarse particles retained on Standard No. 200 screen, per cent. ..	0·0	..	0·0	..
Manganese dioxide, per cent. ..	2·0	trace	..	7 0

The remainder shall consist of compounds of iron, silicon, and aluminium.

(b) Paste.—The paste as received shall not be caked in the container and shall break up readily in oil to form a smooth paint of brushing consistency.

## IV.—SAMPLING AND TESTING.

A sample shall be drawn from one unopened package, selected at random, from each delivery. Sienna and Umber shall be tested according to the methods described in "Circular of the Australian Railways—Testing of Paint Materials."

*Item No. 2864.*

The Whiting shall conform to the Australian Standards Association Specification No. K.24, 1927T.

SPECIFICATION FOR B.A. AND S.F. DYE.—*Items Nos. 2868 to 2872.*

The Dye required shall be solutions of dyestuff in a suitable solvent, and shall be of the colours ordered.

The solutions of dyestuffs shall be of such a nature that they shall be suitable for mixing with other, and with shellac, and other resins dissolved in methylated spirits.

When used for colouring such varnish solutions the films resulting from its application shall have good covering power, shall be fast to light, water, and rubbing, and shall not impair any leather or other upholstery furnishings to which they have been applied.

## APPENDIX "C."

## CONCRETE PIPES.

This specification applies to the following :—

- (i) Plain (unreinforced) pipes,
- (ii) Agricultural pipes,
- (iii) Reinforced pipes.

*Acceptability.*—Acceptability shall be determined by the results of inspection and the tests hereinafter specified, to determine whether the pipes comply with the specification regarding materials, dimensions, shape, and freedom from external and internal defects. Pipes having defective spots patched or plastered over will not be accepted.

## MATERIALS AND MANUFACTURE.

*Concrete.*—Concrete shall be a mixture of Portland cement, mineral aggregate, and water.

*Portland Cement.*—Portland cement shall meet the requirements of the cement standard specifications and tests of the Australian Commonwealth Engineering Standards Association.

*Fine Aggregate.*—Fine aggregate shall consist of sand or other approved inert materials with similar characteristics, or a combination thereof, having clean, hard, strong, durable, uncoated grains, and free from injurious amounts of dust, lumps, soft or flaky particles, shale, alkali, organic matter, loam, or other deleterious substances.

*Coarse Aggregate.*—Coarse aggregate shall consist of crushed stone, gravel, or other approved inert materials with similar characteristics, or combinations thereof, having clean, hard, strong, durable, uncoated particles, and free from injurious amounts of soft, friable, thin, elongated or laminated pieces, alkali, organic or other deleterious substances.

*Water.*—Water shall be clean and free from injurious amounts of oil, acid, alkali, organic matter, or other deleterious substances.

*Grading and Proportioning.*—The aggregates shall be so graded, proportioned, and thoroughly mixed with such proportions of cement and water as will produce a workable mixture and a pipe that, when properly cured, will be strong, durable, and servicable, free from objectionable defects, and will meet the physical test requirements provided. Under no circumstances shall the mixture consist of less than 15½ pounds of Portland cement to 1 cubic foot of mineral aggregate.

*Reinforcement.*—Reinforcement shall consist of best quality mild steel wire or wire fabric, free from rust or injurious defects, and having a workmanlike finish with smooth surface. The wire shall have a minimum tensile strength of 70,000 pounds per square inch and must be capable of being doubled over cold, around a pin the diameter of which is equal to 1¼ times the thickness of the test piece, until the sides are parallel, without cracking on the outside of the bent portion.

Reinforcement shall extend throughout the barrel of the pipe and shall be assembled in units so designed that they may readily be placed and maintained in proper shape and position during manufacture. Elliptical reinforcement shall be placed near the inner surface of the pipe on the vertical axis and near the outer surface on the horizontal axis of the reinforcement. Circular reinforcement shall be placed symmetrically within the wall of the pipe. The minimum cover allowed for reinforcement is ¼ inch.

*Shape and Size.*—Pipes are to be cylindrical, with ends formed at right angles to the bore. The ends of spigot and faucet pipes shall fit into the sockets of stoneware pipes of equal internal diameter, leaving sufficient annular space for the jointing materials. The length of a pipe shall be its effective length when set up and properly jointed.

*Wall Thickness and Steel Quantities.*—The pipes must be made with such wall thickness, and in the case of reinforced pipes, with such steel quantities as will enable them to meet all the requirements of this specification.

*Variation.*—A variation in nominal wall thickness of not more than 10 per cent. will be allowed for all pipes. A variation in nominal internal diameter of not more than 1¼ per cent. will be allowed for all pipes up to and including pipes 18 inches diameter. Above that diameter, maximum variation allowed is ½ inch.

*Joints.*—The ends shall be so designed, that the strength of the joints shall be not less than the strength of the pipe, that the space between ends when laid in contact shall not exceed ¼ inch, and that, when the joints are made, they shall prevent infiltration or leakage.

*Finish.*—Pipes must be straight and substantially free from fractures, cracks, laitance and surface roughness, and when set up in the trench they shall make a continuous line, with a smooth and unbroken interior surface.

*Marking.*—Each pipe shall, immediately after manufacture, have the following marks clearly stencilled :—

- (a) Class of pipe, "P" for plain, "S" for standard reinforced,
- (b) The date of manufacture,
- (c) The name, initials, or brand of the manufacturer,
- (d) The word "Top" over the vertical axis of reinforcement, where elliptical reinforcement is used in circular pipes.

NOTE.—In the case of agricultural pipes, "(b)" and "(c)" only are to be marked.

## PHYSICAL TESTS.

*Tests.*—The physical tests shall be :—

- (a) Load test,
- (b) Hydrostatic pressure test.

All tests shall be carried out by the contractor at his own premises and under the supervision of the Comptroller of Stores or his representative.

*Specimens.*—The Comptroller of Stores or his representative, when placing his order, may select specimens to be tested from full size pipes that have passed the inspection tests specified, and are free from visible moisture when selected.

*Number to be Tested.*—When pipes are required for the load test, any number up to 1 in 20 or part of 20 of each size of pipe ordered, may be tested, and 1 per cent. of the reinforced pipes may be tested to the point beyond which no additional load can be sustained, which shall be not less than twice the amounts shown in Columns 2 and 3 of the Test Loads. For the hydrostatic pressure test, any number of specimens up to the total number of each size of pipe to be supplied may be tested.

*Result of Tests.*—Should 25 per cent. of the pipes tested fail to fulfil requirements, the whole consignment may be rejected. Should any individual pipe fail, the Comptroller of Stores may require another to be supplied for test.

*Load Test.*—Each pipe to be tested is to have its ends accurately marked in halves of the circumference, and shall be supported on two straight wooden bearings with vertical sides, having the interior top corners rounded to approximately ¼-inch radius, placed parallel to and extending the full length of the pipe. The bearings shall be securely fastened to a rigid base with a clear space between them of 1 inch for every foot diameter of the pipe. The load shall be applied through a wooden block not exceeding 3 inches in width, straight and true from end to end, the full length of the barrel of the pipe, and in such a way as to produce a uniform distribution of load throughout the length of the pipe in a plane diametrically through the centre line of the bearings. For a pipe out of straight, the bearings chosen shall be those which appear to give the most favorable conditions for fair bearings.

CONCRETE PIPES—continued.

*Hydrostatic Pressure Test.*—The ends of the pipe shall be tightly closed to prevent leakage under pressure, which shall be gradually applied, until it is equal to a head of 30 feet of water. While under this pressure, the pipe shall be repeatedly struck with a light wooden mallet, and shall not show any sign of leaking or sweating. The pressure shall be maintained only long enough for the pipe to be thoroughly examined and the results recorded.

*Load Test Requirements.*—Plain, unreinforced pipes shall have the ultimate crushing strength shown in Column 1 and reinforced pipes shall withstand the loads shown in Column 2, without showing any clearly visible crack, which is defined as a crack 12 inches or more in length, into which a metal gauge, 1/100 inch thick by 1/16 inch broad, with rounded corners, can be inserted at close intervals.

TEST LOADS. (In pounds per linear foot.)		
Internal Diameter in Inches.	Plain Unreinforced Pipes.	Reinforced Pipes.
	Column 1.	Class "S." Column 2.
4 .. .. .	*1,000	..
9 .. .. .	..	550
12 .. .. .	1,250	600
15 .. .. .	1,500	700
18 .. .. .	1,600	800
21 .. .. .	..	900
24 .. .. .	1,700	1,000
27 .. .. .	..	1,100
30 .. .. .	..	1,200
36 .. .. .	..	1,400
42 .. .. .	..	1,400
48 .. .. .	..	1,400

\* Applies to agricultural pipes.

DESIGN OF REINFORCEMENT.  
"S" CLASS REINFORCED CONCRETE PIPES.  
12", 6 rings, 10 gauge, 6 straights, 10 gauge.  
15", 6 " 10 " 6 " 10 "  
18", 6 " 8 " 6 " 8 "  
21", 6 " 8 " 6 " 8 "  
24", 6 " 8 " 6 " 8 "  
27", 6 " 8 " 6 " 8 "  
30", 5 " 5 " 6 " 5 "  
36", 5 " 5 " 6 " 5 "  
42", 6 " 5 " 8 " 5 "  
48", 6 " 5 " 8 " 5 "  
All above electrically welded; sizes 24" and over oviform.