



# VICTORIA GOVERNMENT GAZETTE.

Published by Authority.

[Registered at the General Post Office, Melbourne, for transmission by post as a newspaper.]

No. 238]

THURSDAY, OCTOBER 15.

[1931

*Factories and Shops Act 1928 (No. 3677).*

## DETERMINATION OF THE SADDLERY AND HARNESS BOARD.

(NOTE.—This Determination on the 16th October, 1931, applied to the whole of the State of Victoria.)

IN accordance with the provisions of the *Factories and Shops Act 1928* (No. 3677), the Wages Board appointed to "determine the lowest prices or rates which may be paid to any persons employed in the trade of manufacturing harness, saddlery, or whip-thongs" has made the following Determination, namely:—

(1) That on the 16th October, 1931, the last previous determination of this Board shall be revoked and replaced by this Determination.

(2) That the lowest rates to be paid to any persons employed in the trade of manufacturing or repairing harness, saddlery, or whipthongs shall be—

### APPRENTICES OR IMPROVERS.

MALES.				FEMALES.	
Apprentices.		Improvers.		Apprentices or Improvers.	
Experience.	Wages per Week of 48 hours.	Experience.	Wages per Week of 48 hours.	Experience.	Wages per week of 48 hours.
	<i>s. d.</i>		<i>s. d.</i>		<i>s. d.</i>
1st six months	15 6	1st six months	15 6	1st six months	15 6
2nd "	20 9	2nd "	20 9	2nd "	20 9
3rd "	25 0	3rd "	25 0	3rd "	25 0
4th "	29 0	4th "	29 0	4th "	29 0
5th "	33 3	5th "	33 3	5th "	33 3
6th "	37 3	6th "	37 3	6th "	37 3
7th "	41 6	7th "	41 6	7th "	41 6
8th "	45 9	8th "	45 9	8th "	45 9
9th "	49 9	9th "	49 9		
10th "	54 0	10th "	54 0		
Thereafter and until 21 years of age	The rates provided for an Improver of like experience	11th "	65 0		
		12th "	75 0		
		13th "	85 0		
		14th "	95 0		

### PROPORTION (in any place).

APPRENTICES.	IMPROVERS.
One male apprentice to the first one or two male workers, and thereafter one male apprentice to every additional two adult males receiving not less than 64s. 6d. per week of 48 hours.	One male improver to three ...
One female apprentice to every two or fraction of two female workers receiving not less than 46s. 10d. per week of 45 hours.	Three male improvers to six ...
An indenture of apprenticeship prescribed by the Board was approved on 27th April, 1926.	And thereafter one additional male improver to every additional three ...
	Provided that in any place where one or two adult employees only are engaged and no apprentice is employed, one male improver may be allowed.
	Two female improvers to every female worker receiving not less than 46s. 10d. per week of 45 hours.

## ALL OTHER EMPLOYEES.

	WAGES.	
	Per Hour.	Per Week of 48 hours.
Adult Males	s. d. 1 11 $\frac{1}{2}$	s. d. 94 6
Females employed in any of the following work :—		Per Week of 48 hours.
(a) All classes of seaming	1 0 $\frac{1}{2}$	46 10
(b) Hand stitching or machine sewing, buggy, gig, or cab saddles, winker eyes, fronts, drops, pad tops, pad or saddle cloths, folded hand parts, collar side pieces, or housings for gig, carriage, spring cart, or van harness —		
With waxed thread	1 11 $\frac{1}{2}$	88 7
With unwaxed thread	1 0 $\frac{1}{2}$	46 10
(c) Hand stitching or machine sewing all other harness	1 11 $\frac{1}{2}$	88 7
(d) Hand stitching all classes of saddlery other than harness—		
With black waxed thread	1 11 $\frac{1}{2}$	88 7
With other than black waxed thread	1 0 $\frac{1}{2}$	46 10
(e) Machine sewing all classes of saddlery other than harness —		
With black waxed thread	1 11 $\frac{1}{2}$	88 7
With other than black waxed thread	1 0 $\frac{1}{2}$	46 10
(f) Quilting or crossbarring panels	1 11 $\frac{1}{2}$	88 7
(g) Cutting out all classes of work	1 11 $\frac{1}{2}$	88 7
(h) Preparing, edging, creasing, and finishing all classes of work	1 11 $\frac{1}{2}$	88 7

NOTE.—Thread shall include silk, cotton, linen, hemp, flax, or other fibrous substance.

## (3) TIME OF BEGINNING AND ENDING WORK—

Time of Beginning.	Time of Ending.
7 a.m. ..	6 p.m. on five days of the week.
7 a.m. ..	1 p.m. on the other working day of the week on which the half-holiday is usually observed.

## (4) OVERTIME—

Outside the hours fixed as the times of beginning and ending work ..	First three hours ..	Time and a quarter
Within the hours so fixed in excess of the number of hours as fixed for a week's work ..	Thereafter ..	Double time.

(5) SPECIAL RATES FOR SUNDAYS AND PUBLIC HOLIDAYS.—All work done on Sunday, New Year's Day, Foundation Day (26th January), Good Friday, Easter Monday, Eight Hours Day, King's Birthday, Christmas Day, and Boxing Day shall be paid for at the rate of double time; but if any other day be by Act of Parliament or Proclamation substituted for any of the above-named holidays the special rate shall be payable only for work done on the day so substituted.

## (6.)

## PIECE-WORK.

That the lowest prices payable to any person for wholly or partly preparing or manufacturing any article of the description referred to in the following six schedules respectively shall be the prices fixed for the article subject to such extras or deductions as are provided :—

## SCHEDULE No. I.

## RIDING SADDLES (PIECE-WORK).

## BEST ALL-OVER HOGSKIN SADDLE.

Skirted all round, or welted cantle piece, skirts backed, serge in skirts, stitched twelve to inch all through, quilted pads, surcingle loops or holes, pannel nine rows below point pocket, straps and sweat flaps coloured, two slots for staples, or two staples through skirts, and five dees :—

	£	s.	d.
Seat—Making and drawing on, which includes cutting pattern flap and pannel	2	7	11
Flaps—Making and finishing, without stitching	1	2	0
Pannel—Making and finishing, without facing and serge sewing	0	13	1 $\frac{1}{2}$
Putting together, making dee chapes, straps, sweat flaps, and sewing on same	0	9	7
	4	12	7 $\frac{1}{2}$
If stitching flaps, skirts, forepart and point pockets, 11s. 1 $\frac{1}{2}$ d.; and sewing facing and serge of pannel, 5s. 5 $\frac{1}{2}$ d.; are done by workman	extra	0	16 7
If short skirts without cantle piece	deduction	0	3 5 $\frac{1}{4}$
If flaps are made without knee-pads	deduction	0	12 1
If flaps are made without thigh-pads	deduction	0	3 5 $\frac{1}{4}$

## SECOND QUALITY ALL-OVER HOGSKIN SADDLE.

Short skirts, no serge in skirts, stitched ten to inch all through, leather or serge front to pads not quilted, pannel seven rows below point pocket, straps and sweat flaps coloured, two staples, and five dees :—

	£	s.	d.
Seat—Making and drawing on, which includes cutting pattern flap and pannel	2	1	0
Flaps—Making and finishing, without stitching	0	17	7
Pannel—Making and finishing, without machining	0	9	8.
Putting together, making dee chapes, straps, sweat flaps, and sewing on same	0	8	9
	3	17	0
If stitching flaps, skirts, forepart and point pockets, 7s. 9d.; and machining facing and serge of pannel, 3s. 5 $\frac{1}{2}$ d.; are done by workman	extra	0	11 2 $\frac{1}{4}$
If flaps are made without knee-pads	deduction	0	9 8 $\frac{1}{4}$
If flaps are made without thigh-pads	deduction	0	2 4 $\frac{1}{4}$

With 10 per cent. deducted.

SCHEDULE No. I.—RIDING SADDLES (PIECE-WORK)—*continued.*

## BEST DEMI RACE SADDLE.

	£	s.	d.
Race saddle, 3 lb. weight and under ... ..	3	11	1
If stitching flaps, skirts, forepart and point pockets, and machining facing and serge of pannel are done by workman ... .. extra	0	10	9

## BEST PARK, EXERCISE, AND STEEPLECHASE SADDLES.

Skirted all round or welted cantle, skirts backed or stitched, stitched to intersection of skirt and tail piece, outside edge of skirts cupped or raised and stitched all round eleven to inch, flaps stitched ten to inch, two rows of stitching inside knee pads (or turned over knee pads with inside stitching done by workman), quilted pads, pannel eight rows below point pocket, straps and sweat flaps coloured, two staples and five dees :—

	£	s.	d.
Seat—Making and drawing on, which includes cutting pattern flap and pannel	1	9	3
Flaps—Making and finishing, without stitching ... ..	0	13	1½
Pannel—Making and finishing, without machining ... ..	0	12	3
Putting together, making dee chapes, straps, sweat flaps, and sewing on same	0	7	8½

If given out in quantities of not less than two saddles at one time 3 2 4 or 3 0 10 each

If stitching flaps, skirts, forepart and point pockets, 8s. 9d.; and machining facing and serge of pannel, 2s.; are done by workman ... .. extra	0	10	9
If turn over pads, stitching to be only 7s. 8½d.			
If short skirts without cantle piece ... .. deduction	0	2	0
If flaps are made without knee-pads ... ..	0	8	3½
If flaps are made without thigh-pads ... ..	0	2	4½

## SECOND QUALITY PARK, EXERCISE, AND STEEPLECHASE SADDLES.

Skirted all round and welted, stitched to intersection of skirt and tail-piece, skirts cupped or raised skirts stitched ten and flaps stitched nine to inch, leather or serge front to pads not quilted, two rows of stitching inside knee pads (or turned over knee pads with inside stitching done by workman), pannel six rows below point pocket, straps and sweat flaps coloured, two staples and five dees.

	£	s.	d.
Seat—Making and drawing on, which includes cutting pattern flap and pannel	1	5	4
Flaps—Making and finishing, without stitching ... ..	0	10	9
Pannel—Making and finishing, without machining ... ..	0	8	9
Putting together, making dee chapes, straps, sweat flaps, and sewing on same	0	6	9½

If given out in quantities of not less than three saddles at one time	2	11	7½ or 2 10 2 each
If stitching flaps, skirts, forepart and point pockets, 5s. 9½d.; machining facing and serge of pannel, 2s.; and sewing serge on pads, 11½d.; are done by workman ... .. extra	0	8	9
If skirts are backed ... ..	0	0	11½
If short skirts ... .. deduction	0	2	0
If flaps are made without knee-pads ... ..	0	6	9½
If flaps are made without thigh-pads ... ..	0	2	4½

## THIRD QUALITY PARK, AND EXERCISE SADDLES.

Skirted all round, welted to intersection of skirt and tail-piece, stitched to end of back, skirts stitched nine and flaps eight to inch, leather or serge front to pads not quilted, one row of stitching inside knee-pads (or turned over knee-pads with inside stitching done by workman), pannel five rows below point pocket, straps and sweat flaps coloured, two staples and three dees :—

	£	s.	d.
Seat—Making and drawing on, which includes cutting pattern flap and pannel	0	18	7
Flaps—Making and finishing, without stitching ... ..	0	8	9
Pannel—Making and finishing, without machining ... ..	0	7	8½
Putting together, making dee chapes, straps, sweat flaps, and sewing on same ..	0	5	5½

If given out in quantities of not less than three saddles at one time	2	0	6 or 1 19 1 each
If stitching flaps, skirts, forepart and point pockets, 3s. 10½d.; machining facing and serge of pannel, 1s. 5½d.; and sewing serge on pads, 6½d.; are done by workman ... .. extra	0	5	10½
If skirts are cupped or raised ... ..	0	0	6½
If short skirts ... .. deduction	0	2	0
If flaps are made without knee-pads ... ..	0	5	4
If flaps are made without thigh-pads ... ..	0	1	5½

With 10 per cent. deducted.

SCHEDULE No. I.—RIDING SADDLES (PIECE-WORK)—*continued.*

## COMMON PARK AND EXERCISE SADDLES.

Seat snowed and franked, short skirts, stitched to end of back, skirts stitched eight to inch, flaps stitched seven to inch, leather front to pads, one row of stitching inside knee-pads (or turned over knee-pads with inside stitching done by workman), pannel four rows below point pocket, straps and sweat flaps not edged or creased, two staples and three dees :—

	£	s.	d.
Seat—Making and drawing on, which includes cutting pattern flap and pannel	0	12	3
Flaps—Making and finishing, without stitching .. .. .	0	6	3½
Pannel—Making and finishing, without machining .. .. .	0	5	4
Putting together, making dee chapes, straps, sweat flaps, and sewing on same	0	3	5
	1	7	3½ or
If given out in quantities of not less than four saddles at one time ..	1	5	4 each
If stitching flaps, skirts, forepart and point pockets, 3s. 3½d.; machining facing and serge of pannel, 1s. 5½d.; and sewing serge on pads, 6½d.; are done by workman .. .. . extra	0	5	4
If seat skirted all round .. .. .	0	2	0
If seat set .. .. .	0	2	4½
If flaps are made without knee-pads .. .. . deduction	0	4	4½
If flaps are made without thigh-pads .. .. .	0	0	11½

## BOYS' SADDLES.

To be made on a tree not exceeding 16 inches bar measurement :—

	£	s.	d.
Best quality .. .. . without extras	2	17	0 or
If given out in quantities of not less than two at one time ..	2	13	6
Second quality .. .. .	2	5	10 or
If given out in quantities of not less than three at one time ..	2	2	10
Third quality .. .. .	1	15	2 or
If given out in quantities of not less than three at one time ..	1	11	9
Common quality .. .. .	1	5	4 or
If given out in quantities of not less than four at one time ..	1	2	11

## BEST QUALITY STOCK SADDLE.

Skirted, stitched, and welted all round, skirts backed or stitched, crease mark on skirts, stitched ten to the inch except back of knee and thigh pads which shall be stitched eight to inch, quilted knee-pads 4½ inches high (front leather block measurement), pad covers laid on, seamed heads, savers on pads, two rows of stitching inside knee-pads, pannel seven rows below point pocket, straps and sweat flaps coloured, four staples and eight dees :—

	£	s.	d.
Seat—Making and drawing on, which includes cutting pattern flap and pannel ..	1	8	5
Flaps—Making and finishing, without stitching .. .. .	0	15	7½
Pannel—Making and finishing, without machining .. .. .	0	10	8
Putting together, making dee chapes, straps, sweat flaps, and sewing on same	0	7	8½
	3	2	5 or
If given out in quantities of not less than two saddles at one time ..	3	1	5 each
If stitching flaps, skirts, forepart and point pocket, 5s. 9½d.; machining facing and serge of pannel, 2s.; flowering, 2s.; sewing serge on pads, 11½d.; are done by workman .. .. . extra	0	10	9
If short skirts .. .. . deduction	0	2	0

## SECOND QUALITY STOCK SADDLE.

Skirted and welted all round, crease mark on skirts, stitched to intersection of skirts and tail-piece stitched nine to the inch except back of knee and thigh pads which shall be stitched eight to inch quilted pads 4 inches high (front leather block measurement), pad covers laid on, seamed heads, savers on pads, one and a half rows of stitching inside knee-pads, pannel six rows below point pocket, straps and sweat flaps coloured, four staples and five dees :—

	£	s.	d.
Seat—Making and drawing on, which includes cutting pattern flap and pannel	1	2	0
Flaps—Making and finishing, without stitching .. .. .	0	13	1½
Pannel—Making and finishing, without machining .. .. .	0	9	8½
Putting together, making dee chapes, straps, sweat flaps, and sewing on same	0	6	9½
	2	11	7½ or
If given out in quantities of not less than three saddles at one time	2	10	2 each
If stitching flaps, skirts, forepart and point pockets, 4s. 10d.; machining facing and serge of pannel, 1s. 5½d.; flowering, 1s. 5½d.; sewing serge on pads, 11½d.; are done by workman .. .. . extra	0	8	8½
If skirts are backed .. .. .	0	0	11½
If short skirts .. .. . deduction	0	2	0

With 10 per cent. deducted.

SCHEDULE No. I.—RIDING SADDLES (PIECE-WORK)—*continued.*

## THIRD QUALITY STOCK SADDLE.

Skirted all round, welted to intersection of skirts and tail-piece, stitched to end of back, eight to inch all through, pads (not quilted)  $3\frac{1}{2}$  inches high (front leather block measurement), pad covers laid on, seamed heads, one and a quarter rows of stitching inside knee-pads, pannel five rows below point pocket, straps and sweat flaps coloured, four staples and five dees :—

	£	s.	d.
Seat—Making and drawing on, which includes cutting pattern flap and pannel	0	17	$7\frac{1}{2}$
Flaps—Making and finishing, without stitching	0	9	$8\frac{1}{2}$
Pannel—Making and finishing, without machining	0	7	$8\frac{1}{2}$
Putting together, making dee chapes, straps, sweat flaps, and sewing on same	0	5	$5\frac{1}{2}$
	2	0	6 or
If given out in quantities of not less than three saddles at one time	1	19	1 each
If stitching flaps, skirts, forepart and point pockets, 4s. $4\frac{1}{2}$ d.; machining facing and serge of pannel, 1s. $5\frac{1}{2}$ d.; sewing serge on pads, $11\frac{1}{2}$ d.; are done by workman	0	6	$9\frac{1}{2}$ extra
If short skirts	0	2	0 deduction

*If in second or third quality stock saddles, brass staples, brass dees, brass nails, snipes and rings, and flat knee-pads are required, no extra charge to be made, except for snipes and rings, as specified on page 2884.*

## COMMON STOCK SADDLE.

Seat snowed and franked, short skirts, stitched to end of back, seven to inch all through, pads (not quilted) 3 inches high (front leather block measurement), one row of stitching inside knee-pads pannel four rows below point pocket, straps and sweat flaps not edged or creased, two staples and three dees :—

	£	s.	d.
Seat—Making and drawing on, which includes cutting pattern flap and pannel	0	11	2
Flaps—Making and finishing, without stitching	0	7	4
Pannel—Making and finishing, without machining	0	5	4
Putting together, making dee chapes, straps, sweat flaps, and sewing on same	0	3	5
	1	7	3 or
If given out in quantities of not less than four saddles at one time	1	5	10 each
If stitching flaps, skirts, forepart and point pockets, 3s. $5\frac{1}{2}$ d.; machining facing and serge of pannel, 1s. $5\frac{1}{2}$ d.; and sewing serge on pads, 5d.; are done by workman	0	5	4 extra
If seat skirted all round	0	2	0
If seat set	0	2	$4\frac{1}{2}$

## BEST STOCK SADDLE, SNEYD PATTERN.

Skirted, welted, and stitched all round or to crupper loop, skirts backed or stitched, crease mark on skirts, stitched ten to inch all through, flaps lined under knee-pads, solid leather knee-pads 4 inches high (front leather block measurement), short seam on head stitched and quilted with black wax thread underneath, turn over pad covers and inside lining riveted to flaps, serge in thigh-pads stuffed and quilted, pannel seven rows below point pocket, straps and sweat flaps coloured, point straps and front of flap riveted to tree, extra large sweat flaps, four staples, and eight dees :—

	£	s.	d.
Seat—Making and drawing on, which includes cutting pattern flap and pannel	1	7	4
Flaps—Making and finishing, without stitching	1	3	$5\frac{1}{2}$
Pannel—Making and finishing, without machining	0	10	8
Putting together, making dee chapes, straps, sweat flaps, riveting flaps and straps	0	9	$8\frac{1}{2}$
	3	11	2 or
If given out in quantities of not less than two saddles at one time	3	10	2 each
If stitching flaps, skirts, forepart and point pockets, 5s. $10\frac{1}{2}$ d. machining facing and serge of pannel, 2s.; are done by workman	0	7	$10\frac{1}{2}$ extra
If short skirts	0	2	0 deduction

With 10 per cent. deducted.

SCHEDULE No. I.—RIDING SADDLES (PIECE-WORK)—*continued.*

## SECOND QUALITY STOCK SADDLE, SNEYD PATTERN.

Skirted and welted all round, stitched to intersection of skirts and tail-piece, crease mark on skirts stitched nine to inch all through, flaps lined under knee-pads, solid leather knee-pads, 4 inches high (front leather-block measurement), short seam on head stitched and quilted with black wax thread underneath, turn over pad covers and inside lining riveted to flaps, serge in thigh-pads stuffed and quilted, pannel six rows below point pocket, straps and sweat-flaps coloured, extra large sweat-flaps, four staples, and eight dees :—

	£	s.	d.
Seat—Making and drawing on, which includes cutting pattern, flap and pannel	1	2	0
Flaps—Making and finishing, without stitching	1	2	11
Pannel—Making and finishing, without machining	0	9	8½
Putting together, making dee chapes, straps, and sweat flaps	0	6	9½
	3	1	5 or
If given out in quantities of not less than two saddles at one time	3	0	6 each
If stitching flaps, skirts, forepart and point pockets, 4s. 11d.; machining facing and serge of pannel, 2s. ; are done by workmen	0	6	11
If skirts are backed	0	0	11½
If short skirts	0	2	0

## MILITARY OFFICERS' BEST ALL-OVER HOGSKIN SADDLE WITH FANS AND BURRS.

Short skirts and cantle-piece welted and seamed all round, skirts backed, flaps and skirts stitched twelve to inch ; fan and burr pockets stitched ten to inch, serge in skirts, quilted pads, surcingle loops or holes, staples through skirts or slots for staples, divided or semi-divided pannel, facing all round (except strap bearing) hand-stitched, welted round fans, burrs, and front facings between basil and facings, pockets for fans, burrs, and points of trees, pannel nine rows below point pocket, straps and sweat flaps coloured, ten staples, six dees, two rings :—

	£	s.	d.
Seat—Making and drawing on, which includes cutting pattern flap and pannel	2	10	8
Flaps—Making and finishing, without stitching	1	2	0
Pannel—Making and finishing, without stitching fan, burr, and point pockets, or putting in serge	1	10	8
Putting together, making dee chapes, straps, sweat flaps, and sewing on same	0	9	8
	5	13	0
If stitching flaps, skirts, and forepart, 10s. 9d.; stitching fan, burr, and point pockets, 3s. 4d.; and sewing in serge, 4s. 4½d.; are done by workman, extra	0	18	5½

## MILITARY OFFICERS' BEST DEMI SADDLE.

Short skirts and cantle-piece welted and stitched all round, skirts backed or stitched, flaps and skirts stitched ten to inch, fan and burr pockets stitched nine to inch, quilted pads, surcingle loops or holes, divided or semi-divided pannel, facings all round (except strap bearing) hand-stitched, welted round fan and burr pockets between basil and facings, pockets for fans, burrs, and points of tree, pannel eight rows below point pocket, straps and sweat flaps coloured, ten staples, six dees, and two rings :—

	£	s.	d.
Seat—Making and drawing on, which includes cutting pattern flap and pannel	1	16	1
Flaps—Making and finishing, without stitching	0	16	7½
Pannel—Making and finishing, without stitching fan, burr, and point pockets, or putting in serge	1	6	5
Putting together, making dee chapes, straps, sweat flaps, and sewing on same	0	8	9
	4	7	10½
If stitching flaps, skirts, and forepart, 8s. 2½d.; stitching fan, burr, and point pockets, 2s. 11½d.; and sewing in serge, 2s. 11½d.; are done by workman, extra	0	14	1

## MOUNTED RIFLE REGULATION SADDLE.

Skirted and welted all round, skirts backed or stitched, skirts stitched ten, flaps stitched nine to inch, quilted turn-over English knee-pads (with inside stitching done by workman), flat stuffed thigh-pads, pannel seven rows below point pocket, open chamber, straps and sweat flaps coloured, wallet staples, and five dees :—

	£	s.	d.
Seat—Making and drawing on, which includes cutting pattern flap and pannel	1	8	2½
Flaps—Making and finishing, without stitching	0	13	2½
Pannel—Making and finishing with whipped open channel, without machining	0	13	2½
Putting together, making dee chapes, straps, sweat flaps, and sewing on same	0	7	8½
	3	2	4 or
If given out in quantities of not less than two saddles at one time	3	0	10 each
If stitching flaps, skirts, forepart and point pockets, 4s. 11d.; and machining facing and serge of pannel, 2s. ; are done by workman	0	6	11

With 10 per cent. deducted.

SCHEDULE No. I.—RIDING SADDLES (PIECE-WORK)—*continued.*

## CAPE MILITARY SADDLE.

Solid leather seat and skirts in one piece, two straps and loops on seat, cantle-piece with two straps and buckles, stitched seven to inch all through with black wax thread, divided pannel  $16\frac{1}{2}$  inch deep, facing all round (except strap bearing) hand-stitched, welted round fans and burrs between facings and basil, fan and burr pockets, one ring sewn on each fan pocket, seven rows cross quilting, sweat flaps, two girth straps 36 inches each, two girth straps 14 inches each, solid leather flaps without pads, no staining, flaps and girth straps to be screwed on.

	£	s.	d.
Seat—Blocking, finishing, and sewing on straps and loops	...	...	0 16 7 $\frac{1}{2}$
Pannel—Making, without machining	...	...	1 7 3 $\frac{1}{2}$
Flaps—Finishing, making girth straps, putting together	...	...	0 10 8
			<hr/> 2 14 7

Where not less than six saddles are given out to workman at one time  
a deduction of 10 per cent. allowed on full price for single saddle.

If machining serge is done by workman	...	...	extra	0 2 0
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## POLICE REGULATION SADDLE.

Short skirts and cantle-piece, welted all round and backed, surcingle holes in skirt, flaps stitched ten to the inch, Colonial pads  $2\frac{1}{2}$  inches high, turn over covers (with inside stitching done by workman), pannel seven rows below point pocket, straps and sweat flaps coloured, two staples, dee on head, dee on twist, two breast-plate dees, two dees on pannel, four dees at back :—

	£	s.	d.
Seat—Making and drawing on, which includes cutting pattern flap and pannel	...	...	1 8 3
Flaps—Making and finishing, without stitching	...	...	0 14 1
Pannel—Making and finishing, without machining	...	...	0 11 2
Putting together, making dee chapes, straps, sweat flaps, and sewing on same	...	...	0 8 9

	3	2	3 or
If given out in quantities of not less than two saddles at one time	3	1	5 each
If stitching flaps, skirts, forepart, and point pockets, 4s. 10d.; hand-stitching facing, 2s.; machining serge, 11 $\frac{1}{2}$ d.; sewing serge on pads, 11 $\frac{1}{2}$ d.; and stitching dees on pannel, 11 $\frac{1}{2}$ d.; are done by workman	...	extra	0 9 8 $\frac{1}{2}$

## General Extras to Riding Saddles.

Beading round cantle, patent leather	...	...	...	0 5 4
Beading round cantle, plain leather	...	...	...	0 2 1 $\frac{1}{2}$
Chapes and dees for straps to pads	...	...	per pair	0 2 3
Covering with doeskin, skirts in demi saddle	...	...	...	0 13 2 $\frac{1}{2}$
Covering with doeskin instead of hogskin the undermentioned portions—				
Flaps in all-over saddle	...	...	...	0 5 4
Knee and thigh pads	...	...	...	0 5 4
Do., if stitching two rows ten to inch by workman	...	...	...	0 9 8 $\frac{1}{2}$
Do., if stitching turn over pads, and single row of stitching on thigh-pads done by workman	...	...	...	0 7 8 $\frac{1}{2}$
Saddle all over	...	...	...	0 13 2 $\frac{1}{2}$
Seat	...	...	...	0 3 5 $\frac{1}{2}$
Skirts in all-over saddle	...	...	...	0 4 4 $\frac{1}{2}$
Covering with hogskin—				
Skirts	...	...	...	0 6 3 $\frac{1}{2}$
Do., if stitching eleven to inch done by workman	...	...	...	0 9 8 $\frac{1}{2}$
Skirts, if serge in skirts	...	...	...	0 8 9
Do., if stitching eleven to inch done by workman	...	...	...	0 12 1
Covering with imitation doeskin instead of hogskin—				
Knee and thigh pads	...	...	...	0 3 5 $\frac{1}{2}$
Do., if stitching eight to inch done by workman	...	...	...	0 5 4
Seat	...	...	...	0 2 1 $\frac{1}{2}$
Facing, Queensland wice	...	...	...	0 3 5 $\frac{1}{2}$
Facings stitched by hand	...	...	...	0 2 3
Flaps, solid, lining half-way	...	...	per pair	0 2 1 $\frac{1}{2}$
Flaps, solid, lining quarter-way	...	...	each 4 $\frac{1}{2}$ d. or per pair	0 0 8 $\frac{1}{2}$
Knee-pads—				
If quilted	...	...	per pair	0 2 3
In best and second quality saddles—				
If solid leather (instead of quilted) sewn double-handed black wax thread	...	...	per pair	0 1 1 $\frac{1}{2}$
If solid leather (instead of quilted) sewn double-handed black wax thread, with riveting on inside of pads instead of sewing, per pair	...	...	...	0 3 5 $\frac{1}{2}$
In third and common quality saddles—				
If solid leather, sewn double-handed black wax thread	...	...	...	0 3 3
If solid leather, sewn double-handed black wax thread, with riveting on inside of pads instead of sewing	...	...	per pair	0 5 4
Covers, if seamed all down	...	...	...	0 2 10
Do., do., with doeskin inside	...	...	...	0 5 4

With 10 per cent. deducted.

SCHEDULE No. I.—RIDING SADDLES (PIECE-WORK)—*continued.**General Extras to Riding Saddles—continued.*

Knee-pads— <i>continued.</i>		£	s.	d.
Horse-shoe on knee-pads	... per pair	0	1	1½
False knee-pads, making and fixing	...	0	5	4
Queensland cap covers on knee-pads, blocked and stitched	...	0	7	8½
Do., if not stitched	...	0	3	3
Savers on knee-pads	...	0	1	1½
Taylor's patent pads	...	0	7	8½
For every ½ inch added to height, front leather block measurement	... per pair	0	2	1½ extra
For every ½ inch deducted from height, front leather block measurement	... per pair	0	2	1½ deduction
Quilting doeskin eave in seat, designing and hand-raising	...	1	2	0
Do., if designing done for workman	...	0	16	8
Quilting doeskin eaves in knee-pads, designing and hand-raising	...	0	10	8
Do., if designing done for workman	...	0	8	9
Quilting seat, designing and hand-raising	...	0	16	8
Do., if designing done for workman	...	0	10	8
Open chamber, whipping to be done by workman	...	0	2	3
Open chamber, with binding, all stitching to be done by workman	...	0	5	4
Pannel, lining with leather instead of serge	...	0	5	4
Pannel, bar lining with leather	...	0	6	9½
Pannel, printing basil of, and staining	...	0	1	1½
Points, leather, to saddle tree	... per pair	0	2	1½
Do., if tree prepared for workmen	...	0	1	1½
Roll cantle blocked, making with seam inside	...	0	10	8
Do., if press blocks are used without seam or stitching	...	0	6	9½
Do., if blocked or stitched inside	...	0	8	9
Rivets in flaps	... per saddle	0	1	1½
Rivets in point straps	...	0	1	1½
Snipes, including rings	... each	0	0	5½
Serge stitched by hand	...	0	2	10
Scoop seat with over 4-in. sweep	...	0	4	4½
Stirrup leather holes edged and creased or loops on flaps	... per pair	0	1	1½
Surcingle holes edged and creased or loops on flaps	...	0	1	1½
Tail-piece, raised, skirted to all-over hogskin saddle	... each	0	5	4
Thigh-pads, stuffed all round (all saddles except 1st and 2nd qualities)	per pair	0	1	1½

With 10 per cent. deducted.

## SCHEDULE No. II.

## LADIES' SADDLES (PIECE-WORK).

Stitching (which includes point and skirt pockets, flaps and skirts, serge and hogskin forepart), and machining to be done for workman.

Surcingle and balance mounts, to be made ready for workman to put on. If made by workman to be charged as per bridle piece-work on page 2913.

Pattern of quilted and raised work to be supplied by employer free of charge.

Union saddles to be charged for at the same price as that paid for their respective classes.

## LADY'S BEST QUILTED ALL-OVER SADDLE.

	£	s.	d.
Raised heads and pocket, inside of heads seamed, quilting hand-stuffed, full pannel, quilted 1 inch on strap bearing and ¾ inch on safe bearing, welt on back of pannel between facing and basil, stuffed canvas bellies, serge hand stitched, facings put on by hand, breastplate dees, pads on flap, straps and sweat flaps coloured	9	11	8
If serge machine sewn on for workman	0	5	4

## LADY'S BEST PLAIN ALL-OVER HOGSKIN SADDLE.

Heads seamed inside or plain, full pannel quilted 1 inch on strap bearing and ¾ inch on safe bearing, welt on back of pannel between facing and basil, canvas bellies, serge hand stitched, facings put on by hand, breastplate dees, straps and sweat flaps coloured	6	18	3
If serge machine sewn on for workman	0	5	4
If leather bellies instead of canvas bellies are put on, a deduction of	0	6	3½



SCHEDULE No. II.—LADIES' SADDLES (PIECE-WORK)—*continued.*

## LADY'S SADDLE, QUILTED FOREPART.

£ s. d.

Raised heads and pocket, inside of heads seamed and quilted, pannel four rows below point pocket, stuffed leather bellies, facings and serge machine sewn on, backs stitched to skirts, straps and sweat flaps coloured	4	0	8 or
If given out in quantities of not less than two saddles at one time...	3	15	10 each
If facings and serge put on by machine, 4s. 11d.; machining forepart, 3s. 3½d.; machining heads and pocket, 2s.; hand-stitching safe, 11½d.; hand stuffing forepart and heads, 2s.; are done by workman	...	...	extra 0 13 2

*Extras to Lady's Saddle, Quilted Forepart.*

Facings hand stitched	...	...	0 2 10
Near flap, extra quilting, without machining or stitching	...	...	0 13 2
Off flap creased and stained, with plain border	...	...	0 2 1½
Off flap creased and stained, with stained fancy border	...	...	0 3 10½
Off flap quilted and hand stuffed, without pads, machining or stitching	...	...	0 13 2
Seat quilted and hand stuffed, without machining	...	...	0 13 2
Serge hand stitched	...	...	0 4 4½
Skirts backed	...	...	per pair 0 1 1½
Skirts quilted and hand stuffed, without machining or stitching	...	...	0 13 2

## LADY'S PLAIN SADDLE.

Solid flaps and skirts, seamed heads, uprights machine stitched, plain pocket, pannel four rows below point pocket, full gusset in pocket, stuffed leather bellies, facings and serge machine sewn on, backs stitched to skirts, straps and sweat flaps coloured	...	...	3 0 4 or
If given out in quantities of not less than two saddles at one time	...	...	2 15 11 each
If machining facings and serge, 3s. 5½d.; machining skirts, heads, and pockets, 11½d.; and stitching point pocket and gusset to pocket, 11½d.; are done by workman	...	...	extra 0 5 3½

## LADY'S PLAIN SADDLE (COMMON).

Solid flaps and skirts, not top-edged, single welt in skirts, heads plain in two pieces, no machine work on upright, half gusset in pocket, pannel three rows below point pocket, roll in facing, tacked leather bellies, collar welt to be stitched to skirt, straps and sweat flaps not top edged or creased	2	9	1 or
If given out in quantities of not less than three saddles at one time	2	3	11 each
If machining facing and serge, 3s. 5½d.; machining skirts, point pocket, and gusset to pocket, 11½d.; are done by workman	...	...	extra 0 4 4½

*Extras to either Lady's Plain Saddle or Lady's Plain Saddle (Common).*

Facings, hand stitched	...	...	0 2 1½
Forepart creased and stained	...	...	0 2 1½
Forepart, hogskin, padded or bolstered, machine sewn, not hand stuffed, flap in one piece	...	...	0 7 8½
Do., if hand creased	...	...	0 8 9
Forepart, hogskin, padded or bolstered, plain, flap in one piece	...	...	0 8 9
Forepart, hogskin, on felt, machine sewn, not hand stuffed	...	...	0 5 4
Do., if hand creased	...	...	0 6 3½
Forepart, hogskin, on felt, plain	...	...	0 5 4
Heads and pocket creased and stained to pattern	...	...	0 2 1½
Heads seamed inside and hand quilted	...	...	0 4 4½
Leather bellies, stuffed	...	...	0 2 1½
Near flap, splicing	...	...	0 2 1½
Off flap creased and stained, with plain border	...	...	0 2 1½
Off flap creased and stained, with stained fancy border	...	...	0 3 10½
Safe with stained fancy border, 1s. 1½d., if staining continued round remainder of near flap, 1s. 1½d.	...	...	0 2 3
Seat with stained plain border	...	...	0 1 1½
Seat with stained fancy border (marking 1s. 1½d.; staining 2s. 3½d.)	...	...	0 3 5½
Serge, hand stitched	...	...	0 3 5½

## LADY'S BEST PLAIN ALL-OVER HOGSKIN CUT-BACK SADDLE.

Heads seamed inside or plain, slot pocket in flap, stitched twelve to inch all through, full pannel, quilted 1 inch on strap bearing and ¾ inch on safe bearing, welt on back of pannel between facing and basil, canvas bellies, serge hand stitched, facings put on by hand, breastplate dees, straps and sweat flaps coloured	...	...	7 8 2
If serge machine sewn on for workman	...	...	deduction 0 5 4

## LADY'S CUT-BACK SADDLE, WITH PLAIN HOGSKIN FOREPART BOLSTERED.

Plain heads, slot pocket, plain pannel, cross-barring 1½ inch, stuffed leather bellies, backs stitched to skirt ten to inch, facings and serge machine sewn on, straps and sweat flaps coloured	...	...	4 7 10 or
If given out in quantities of not less than two saddles at one time	...	...	4 1 11 each

With 10 per cent. deducted.

SCHEDULE No. II.—LADIES' SADDLES (PIECE-WORK)—*continued.*

<i>Extras to Preceding Saddle.</i>		£	s.	d.
Skirt plain, covered with hogskin	...	0	3	5½
Skirt plain, covered with hogskin, if raised with serge	...	0	4	4½
Off flap covered with hogskin	...	0	9	8½
Remainder of near flap covered with hogskin	...	0	9	8½
Skirts backed	per pair	0	1	1½
Facings hand stitched	...	0	3	5½
Serge hand stitched	...	0	4	4½

## LADY'S PLAIN CUT-BACK SADDLE.

Solid flaps and skirt, plain heads, slot pocket, plain pannel cross-barring				
1½ inch, stuffed leather bellies, backs stitched to skirts nine to inch,				
facings and serge machine sewn on, straps and sweat flaps coloured	3	11	1	or
If given out in quantities of not less than two saddles at one time	3	6	9	each

<i>Extras.</i>		£	s.	d.
Facings hand-stitched	...	0	2	10
Serge hand-stitched	...	0	4	4½
Skirts backed	per pair	0	1	1½

## General Extras to Ladies' Saddles.

Bellies, canvas, on plain saddle	...	0	4	4½
Bellies, canvas, on quilted forepart saddle	...	0	5	4
Bellies, canvas, on plain cut back saddle	...	0	4	4½
Bellies, canvas, on cut back saddle, with hogskin forepart	...	0	5	4
Best all-over saddle, if doeskin instead of hogskin	...	1	7	4
Eave to seat, doeskin, quilted and hand raised	...	1	2	0
Do., if plain	...	0	16	6
Eave, doeskin, to safe, quilted and hand raised	...	0	11	2
Do., if plain	...	0	6	9½
Pannel, if full, instead of ordinary	...	0	6	9½
Open chamber, whipped	...	0	2	1½
Open chamber, with binding stitched by workman	...	0	5	4
Roll on seat, plain	...	0	11	2
Roll on seat, quilted and hand stuffed	...	0	15	7½
Do., if seamed in	...	0	19	7
Seat and heads, plain, if doeskin instead of hogskin	...	0	11	2

## GIRLS' SADDLES.

To be made on a tree not exceeding 15 inch (measurement to be taken inside of near head to centre of cantle).

A deduction of 9s. 8½d. from price of all ladies' saddles over 87s. 10d. (cut-back saddles not included).

A deduction of 8s. 9d. from price of quilted forepart saddle 80s. 8d., or price 71s. 11d.; or if given out in quantities of not less than two saddles at one time, 67s. 11d. each.

A deduction of 6s. 3½d. from price of plain saddle 60s. 4d., or price 54s. 1d.; or if given out in quantities of not less than two saddles at one time, 50s. 8d. each.

A deduction of 4s. 4½d. from price of plain saddle, common, 49s. 1d., or price 44s. 9d.; or if given out in quantities of not less than three saddles at one time, 40s. 4d. each.

## PILCHES FOR BOY OR GIRL.

*Best Quality.*

		If given out in quantities of three pilches at one time.		
		£	s.	d.
Hogskin, quilted all over, not hand stuffed, roll on seat seamed in and welted, knee-pad covers seamed in and welted, four-girth straps with leaping head	each	2	5	10
		2	3	11

*Second Quality.*

Bagleather or hogskin, quilted all over, not hand stuffed, roll on seat, knee-pads, four-girth straps	each	1	15	2
Do., if made of basil, quilted all over as above	„	1	12	8
Do., if made of basil, plain all over	„	1	9	8
		1	7	3

*Third Quality (Solid Leather).*

Plain flaps and safe, plain or quilted roll on seat, plain or quilted knee-pads, four-girth straps	each	1	4	0
		1	2	0

*Extras or Deductions to Pilches:*

Roll on seat	each	0	4	4½
Leaping head, i.e., third horn	„	0	3	5½

If pilches are for boys only, in best or second qualities, a deduction of 5s. 4d. from price for each pilch whether given out singly or in quantities.

If pilches are for boys only, in third quality, a deduction of 4s. 4½d. from price for each pilch whether given out singly or in quantities.

With 10 per cent. deducted.

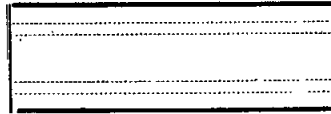
## SCHEDULE No. III.

## HARNESS—BLACK OR BROWN (PIECE-WORK).

The following prices are for hand-work, with straight stitching; if machine sewn, a deduction according to scales for stitching on pages 2887 and 2888.

Stitching, &c., per foot means per foot of strapping.

Stitching per running foot means per foot of stitching (single row only) thus:—



represents 1 foot of strapping, and contains 4 running feet of stitching.

Straight racing (for machine sewing) to be done by workman.

Waved work to be charged extra, according to scales for same on pages 2887 and 2888.

Pressed loops to be deducted, according to scale for same on page 2888.

First or second quality Carriage, Gig, or Buggy Harness to be blacked on flesh side, and fudged if required.

Putting on all ornaments (circle and knob to be counted as two ornaments) to be paid for at rate of 7½d. per dozen. } With 10 per cent. deducted.

Putting in studs, 7½d. per dozen.

All cruppers, with the exception of cab or spring dray, include a dock up to three inches in circumference, grooved and filled with paper or leather, or stuffed with linseed. If docks made of linseed, and face stitched, extra, as per scale for crupper docks on page 2895.

If in any of the following piece-work rates the stitching specified is altered, the price to be increased or decreased according to scales for stitching as on pages 2887 and 2888.

## SCALE FOR STRAPPING.

Preparing, Stitching, and Finishing (per foot).			Stitching only (per running foot).	
If stitched—	Four rows. s. d.	Two rows. s. d.	s. d.	
16 to inch ..	4 3	2 2½	0 11½	
15 " ..	3 10½	2 0	0 10½	
14 " ..	3 7½	1 10	0 9½	
13 " ..	3 2½	1 7½	0 9	
12 " ..	2 10	1 5½	0 7½	
11 " ..	2 5½	1 3½	0 6½	
10 " ..	2 3	1 1½	0 6½	
9 " ..	2 1½	1 1½	0 5½	
8 " ..	1 10½	1 0	0 5	
7 " ..	..	0 10½	0 4½	
6 and under to inch ..	..	0 9½	0 4	
If raised strapping, 2½d. extra per foot. If waved strapping, 2½d. extra per foot			If waved, 1d. extra per running foot.	

## TRACES AND BACKBANDS. (See also pages 2900 and 2901.)

## STITCHING AND FINISHING ONLY, PER FOOT.

Carriage and Gig.			Buggy (not to exceed 1½ inch in width).	
If stitched—	Four rows. s. d.	Two rows. s. d.	Four rows. s. d.	Two rows. s. d.
12 to inch ..	2 10	1 6½	2 8	1 6
11 " ..	2 7½	1 4½	2 5	1 4
10 " ..	2 5	1 3½	2 2½	1 2½
9 " ..	2 2½	1 1½	2 0½	1 1½
8 " ..	2 0½	1 0½	1 10	1 0
7 " ..	1 10	0 11½	1 9	0 10½
6 and under to inch ..	1 7½	0 10	1 6½	0 9½

If above waved, 1d. extra per running foot for stitching.

If with rounded edges, 1s. 1½d. extra per pair for finishing.

If with rounded edges and squares, 1s. 7½d. extra per pair for finishing.

With 10 per cent. deducted.

SCHEDULE No. III.—HARNESS, BLACK OR BROWN (PIECE-WORK)—*continued.*TRACES AND BACKBANDS—*continued.*

## STITCHING OR FINISHING.

Traces and Backbands (including Breast Collars and Breeching Seats).		Traces and Backbands.	
Stitching Only.		Finishing Only.	
If stitched—	Per running foot.	Traces (per pair).	Backbands (loops extra). Each.
	<i>s. d.</i>	<i>s. d.</i>	<i>s. d.</i>
12 to inch ...	0 8 $\frac{1}{4}$	1 7 $\frac{1}{4}$	1 7 $\frac{1}{4}$
11 " ...	0 7	1 7 $\frac{1}{4}$	1 7 $\frac{1}{4}$
10 " ...	0 6 $\frac{3}{4}$	1 7 $\frac{1}{4}$	1 7 $\frac{1}{4}$
9 " ...	0 6 $\frac{1}{2}$	1 1 $\frac{1}{2}$	1 1 $\frac{1}{2}$
8 " ...	0 5 $\frac{1}{2}$	1 1 $\frac{1}{2}$	1 1 $\frac{1}{2}$
7 " ...	0 5	1 1 $\frac{1}{2}$	1 1 $\frac{1}{2}$
6 and under to inch ...	0 4 $\frac{1}{2}$	1 1 $\frac{1}{2}$	1 1 $\frac{1}{2}$

If above waved, 1d. extra per running foot for stitching.

If with rounded edges, 1s. 1 $\frac{1}{2}$ d. extra per pair for finishing.If with rounded edges and squares, 1s. 7 $\frac{1}{4}$ d. extra per pair for finishing.

## PUTTING TOGETHER TRACES.

	Carriage (per set).	Gig (per pair).	Buggy (per pair).	Tandem (per pair).
	<i>s. d.</i>	<i>s. d.</i>	<i>s. d.</i>	<i>s. d.</i>
Four rows ...	5 4	2 2 $\frac{1}{4}$	2 2 $\frac{1}{4}$ ...	4 4 $\frac{1}{2}$
Two rows ...	4 4 $\frac{1}{2}$	1 7 $\frac{1}{4}$	1 7 $\frac{1}{4}$ If raised, 2s. 3d. extra If waved, 1s. 7 $\frac{1}{4}$ d. extra; if waved by machine, no extra charge.	4 4 $\frac{1}{2}$ Including inside rows of stitching on splices.

## MAKING DRAW LEATHERS FOR CARRIAGE TRACES (PER SET).

If stitched—	Four rows.	Two rows.
	<i>s. d.</i>	<i>s. d.</i>
12 to inch ...	5 4	3 2 $\frac{1}{4}$
11 " ...	4 9 $\frac{1}{2}$	2 11 $\frac{1}{2}$
10 " ...	4 4 $\frac{1}{2}$	2 7 $\frac{1}{2}$

## SCALE OF DEDUCTIONS FOR PRESSED LOOPS.

	1st Quality.	2nd Quality.
	<i>£ s. d.</i>	<i>£ s. d.</i>
Carriage hame tug loop ... each	0 1 5 $\frac{3}{4}$	0 1 1 $\frac{1}{2}$
Carriage hame short tug loop ...	0 0 9	0 0 6 $\frac{3}{4}$
Gig or buggy hame tug loop ...	0 0 9	0 0 6 $\frac{3}{4}$
Shaft tug loop ...	0 0 6 $\frac{3}{4}$	0 0 4 $\frac{1}{2}$
Breeching tug loop ...	0 0 6 $\frac{3}{4}$	0 0 4 $\frac{1}{2}$
Crupper loop ...	0 0 10 $\frac{3}{4}$	0 0 9
Bridle cheek loop ...	0 0 10 $\frac{3}{4}$	0 0 9

All other loops 2 inches and over in length, each 4 $\frac{1}{4}$ d.All other loops under 2 inches in length, each 2 $\frac{1}{4}$ d.

## CARRIAGE, GIG, AND BUGGY BRIDLES.

## HEAD-PIECES.

	<i>£ s. d.</i>
No. 1. First quality, with bradoon lay and rings, stitched thirteen to inch, box loop, blacked on flesh side ...	0 4 3
Do., if loops pressed ...	0 4 1
No. 2. First quality, with lay only, stitched twelve to inch, blacked on flesh side ...	0 3 3
No. 1. Second quality, with lay only, stitched ten to inch, blacked on flesh side ...	0 2 7 $\frac{1}{2}$
No. 2. Second quality, without lay, two loops, blacked on flesh side ...	0 1 3 $\frac{1}{2}$
Third quality, one loop ...	0 0 10 $\frac{3}{4}$
If either No. 1 or No. 2 first quality head-pieces have bradoon straps stitched twelve to inch under head, extra per set of four ...	0 2 2 $\frac{1}{4}$

With 10 per cent. deducted.

SCHEDULE No. III.—HARNESS, BLACK OR BROWN (PIECE-WORK)—*continued.*CARRIAGE, GIG, AND BUGGY BRIDLES—*continued.*

BRADOON HANGERS.		£	s.	d.
		Each.		
Bradoon cheeks, snap-billets, one loop behind buckle, stitched twelve to inch, blacked on flesh side	per set of four	0	6	6
Hame strap fashion, with two slide loops, blacked on flesh side	" "	0	4	6½
Hame strap fashion, with one slide loop, blacked on flesh side	" "	0	3	7½
BEARING REINS.				
Roundings grooved, with five sliding loops, centre blacked, one loop in front and two loops behind buckles	one horse	0	8	9
Gag bradoon roundings grooved, with five sliding loops, centre blacked, one loop behind buckle	two horse	1	2	0
Flat, single leather, stitched ten to inch, one loop behind buckle, two rings or buckles	...	0	3	5½
Do., if blacked on flesh side	extra	0	0	5½
OVERHEAD CHECK REINS—AMERICAN PATTERN.				
Best quality, stitched twelve to inch, one loop in front and two behind billet buckle, two loops and running loop behind centre buckles, two running loops and end piece for pedestal, blacked on flesh side	...	0	7	8½
Second quality, stitched ten to inch, two loops behind buckles, two running loops and end piece for pedestal, blacked on flesh side	...	0	5	4
Third quality, stitched nine to inch, one loop behind buckles, two running loops and end piece for pedestal, blacked on flesh side	...	0	4	4½
If either best or second quality with folded nose piece	extra	0	1	7½

THROAT BANDS.				
No. 1. First quality, rounded and grooved, pipe loops, and swivels	...	0	4	9½
Do., if loops pressed	...	0	4	6½
No. 2. First quality, lined, two rows stitched thirteen to inch, with pipe loops and swivels	...	0	4	8
Do., if loops pressed	...	0	4	4½
No. 3. First quality, lined, two rows stitched thirteen to inch, four narrow loops and swivels	...	0	3	8½
No. 4. First quality, single leather, stitched ten to inch, with pipe loops and swivels, blacked on flesh side	...	0	2	11½
Do., if loops pressed	...	0	2	7½
No. 5. First quality, single leather, stitched ten to inch, four narrow loops, blacked on flesh side	...	0	2	1½
Second quality, single leather, stitched nine to inch, four narrow loops, blacked on flesh side	...	0	1	7½
Third quality, single leather, stitched eight to inch, two narrow loops	...	0	0	11½
Round leather swivels to throat-bands	per pair	0	1	5½

WINKER EYES.				
Plates to be prepared to fit before given out.				
Rating for fancy stitching to be paid for at a rate mutually agreed on.		Per pair.		
No. 1. First quality, three rows stitched fourteen to inch	...	0	9	8½
No. 2. First quality, two rows stitched fourteen to inch	...	0	7	8½
No. 3. First quality, outside row only stitched thirteen to inch	...	0	4	4½
No. 1. Second quality, two rows stitched twelve to inch	...	0	6	4½
No. 2. Second quality, outside row only stitched ten to inch	...	0	3	8½
No. 1. Third quality, two rows stitched ten to inch	...	0	4	9½
No. 2. Third quality, one row stitched ten to inch	...	0	3	8½
All the above, if machine sewn by employer	...	0	1	9½
If cock-eye winker with two plates, to be extra 8½d. per pair.				

WINKER STAYS.				
		Each.		
No. 1. First quality, point stitched thirteen to inch, round winker stay drop, outside row only stitched thirteen to inch	...	0	7	8½
No. 2. Do., without drop	...	0	5	4
No. 3. First quality, lined all through, stitched thirteen to inch; drop, outside row only stitched thirteen to inch	...	0	7	8½
No. 1. Second quality, point stitched ten to inch; drop, outside row only stitched twelve to inch	...	0	5	4
No. 2. Do., without drop	...	0	2	8½
No. 3. Second quality, round winker stay single point with centre to secure drop, stitched ten to inch; drop, outside row only stitched twelve to inch	...	0	4	4½
No. 4. Second quality, round winker stay, to run through, no drop, single point	...	0	2	1½
Third quality, plain, flat split stay only	...	0	0	5½
If with loose drop and billet instead of fast drop, no extra charge.				

**NOSE-BANDS.**  
All nose-bands with point and buckle part to include loops for cheeks to run through; if same are made without loops, a deduction of 4d. each noseband.

With 10 per cent. deducted.

**SCHEDULE No. III.—HARNESS, BLACK OR BROWN (PIECE-WORK)—continued.**  
**CARRIAGE, GIG, AND BUGGY BRIDLES—continued.**

**NOSE-BANDS—continued.**

	£	s.	d.
	Each.		
No. 1. First quality, lined, four rows in centre, stitched thirteen to inch ...	0	9	8½
No. 2. First quality, lined, four rows in centre, stitched twelve to inch ...	0	8	10
Do., if with patent leather centre, extra ...	0	1	1½
No. 1. Second quality, lined, four rows in centre, two centre rows four inches long, stitched twelve to inch ...	0	6	2½
No. 2. Second quality, two rows stitched twelve to inch, lined in centre, single point and buckle part ...	0	4	9½
No. 3. Second quality, two rows stitched ten to inch, lined in centre, single point and buckle part ...	0	3	10½
Third quality, two rows stitched nine to inch, single point and buckle part ...	0	3	2½
No. 3. First quality, buggy, centre covered and bevelled with soft patent leather, three rows stitched thirteen to inch, lined point and buckle part stitched twelve to inch, patent leather hand stitched ...	0	6	6
Do., if patent leather, machine sewn ...	0	4	4½
No. 4. First quality, buggy, centre covered and bevelled with soft patent leather, three rows machine sewn, no point or buckle part, stitched into cheeks ...	0	2	8½
No. 3. Second quality, centre covered and bevelled with soft patent leather, two rows machine sewn, plain point and buckle part ...	0	4	1
No. 4. Do., without point or buckle part ...	0	2	1½
No. 5. First quality, round, point stitched thirteen to inch ...	0	6	6
No. 6. Do., without point or buckle part ...	0	2	8
No. 5. Second quality, round centre, plain point and buckle part ...	0	3	10½
No. 6. Do., without point or buckle part ...	0	1	7½

**CHEEKS.**

	£	s.	d.
	Per pair.		
First quality, grooved, piped, and creased ...	0	8	5
Do., if stitched before buckles ...	extra	0	0 10
Second quality, grooved, piped, and creased ...	0	6	6
Do., if stitched before buckles ...	extra	0	0 8½
Third quality, grooved, piped, and creased, with open diamonds, no chequering ...	0	4	9½
Do., if stitched before buckles ...	extra	0	0 8½
Third quality, five narrow loops, stitched eight to inch ...	0	3	8½
Do., if stitched before buckles ...	extra	0	0 5½

**EXAMPLES TO BRIDLES (CARRIAGE, GIG, OR BUGGY).**

	Carriage.		Gig or Buggy.		
	1st Quality.	2nd Quality.	1st Quality.	2nd Quality.	3rd Quality.
Head-piece ...	No. 1. £ s. d. 0 4 3	No. 1. £ s. d. 2 7½	No. 2. £ s. d. 3 3	No. 1. £ s. d. 2 7½	No. 1. £ s. d. 0 10½
Throat-band ...	No. 1. £ s. d. 0 4 9½	No. 1. £ s. d. 1 7½	No. 4. £ s. d. 2 11½	No. 1. £ s. d. 1 7	No. 1. £ s. d. 1 0
Winker stay ...	No. 1. £ s. d. 0 7 8½	No. 3. £ s. d. 4 4½	No. 1 or 3. £ s. d. 7 8½	No. 1. £ s. d. 5 4	No. 1. £ s. d. 0 5½
Nose-band ...	No. 1. £ s. d. 0 9 8½	No. 1. £ s. d. 6 2½	No. 3. £ s. d. 6 6	No. 3. £ s. d. 4 0½	No. 1. £ s. d. 3 2½
Winker eyes ...	No. 1. £ s. d. 0 9 8½	No. 1. £ s. d. 6 4½	No. 2. £ s. d. 7 8½	No. 1. £ s. d. 6 4½	No. 1. £ s. d. 4 9½
Cheeks ...	£ s. d. 0 8 5	£ s. d. 6 6	£ s. d. 8 5	£ s. d. 6 6	No. 1. £ s. d. 3 8½
	£2 4 7	1 7 8	1 16 6½	1 6 5½	14 1

With 10 per cent. deducted.

**EXPRESS BRIDLE.**

**FIRST QUALITY.**

	£	s.	d.
Head-piece, same as second quality gig ...	0	1	3½
Throat-band, same as second quality gig ...	0	1	7½
Winker stay round, point stitched ten to inch, without drop ...	0	2	8½
Cock-eye winkers, three rows, outside row only stitched ten to inch ...	0	4	4½
Cheeks, grooved, piped, and creased, with loop before buckle, stitched nine to inch ...	0	7	4½
Round face-piece with spring hooks and single points ...	0	3	2½
	1	0	6½
Round face-piece with billets, loops before buckles ...	extra	0	1 1½

**EXPRESS BRIDLE.**

**SECOND QUALITY.**

	£	s.	d.
Head-piece, same as third quality gig ...	0	1	0
Throat-band, same as third quality gig ...	0	1	0
Winker stay ...	0	0	5½
Cheeks, stitched eight to inch, five narrow loops, and loop before buckle ...	0	4	3
Face-piece, single, spring hooks ...	0	1	3½
Cock-eye winkers, one row stitched ten to inch ...	0	4	4½
	0	12	5

Face-piece with billets, extra 5½d.

SCHEDULE No. III.—HARNESS, BLACK OR BROWN (PIECE-WORK)—*continued.*

## CAB BRIDLE.

## FIRST QUALITY.

	£	s.	d.
Head-piece, two loops	0	1	4
Throat-band, two loops each side	0	1	4
Winker stay round with drop, lined point hand stitched ten to inch, drop, outside row only hand stitched ten to inch	0	5	4
Winker eyes, three rows, outside row only hand stitched ten to inch	0	3	8½
Cheeks, grooved, piped, and creased, with loop before buckle stitched ten to inch	0	6	6
Nose-band lined, four rows in centre, two centre rows four inches long stitched ten to inch	0	5	5½
	1	3	8

*Extras or Deductions to First Quality Cab Bridle.*

Throat-band, with ear-drops, patent leather one row hand stitched ten to inch, with chain	0	3	3
Nose-band, with patent leather centre, hand stitched twelve to inch extra	0	1	1½
Face-piece round, stitched to drop and nose-band	0	1	10
Face-piece round, to buckle into head, single leather points hand stitched into nose-band	0	2	3
Round face-piece with billets extra	0	1	1½

## CAB BRIDLE.

## SECOND QUALITY.

Head-piece, one loop	0	0	10½
Throat-band, one loop each side	0	0	10½
Winker stay round, to run through, no drop, single point	0	2	3
Winker eyes, outside row only hand stitched ten to inch	0	3	8½
Cheeks, stitched eight to inch, five narrow loops, no loop in front of buckle	0	3	8½
Nose-band, one row stitched nine to inch, plain point and buckle part	0	2	8½
	0	14	2½

*Extras or Deductions to Second Quality Cab Bridle.*

Drop, two rows machine sewn and stitched to winker stay	0	1	1½
Face-piece flat, stitched to drop and nose-band	0	0	8½
Face-piece split, single leather, to buckle into head-piece, stitched into nose-band	0	0	8½
Face-piece split, single leather, to buckle into head-piece, stitched nine to inch, with billets, loop behind buckle	0	1	4
Face-piece split, single leather, to buckle into head-piece, stitched nine to inch, loop before and behind buckle	0	2	1½
Winker stay flat, split	0	0	5½
Second quality cheeks, piped, bevelled or checkered only per pair	0	5	4

## SPRING DRAY OR LORRY BRIDLE.

## FIRST QUALITY.

Head-piece, two loops	0	1	4
Throat-band, two loops each side	0	1	4
Winker stay round, to run through, single point, no drop	0	2	1½
Face-piece split, to buckle into head, and stitched to nose-band	0	0	8½
Winker eyes, outside row only hand stitched ten to inch	0	3	8½
Cheeks and nose-band headstall fashion, two loops in cheeks, nose-band, one row hand stitched eight to inch, without strap and buckle part	0	5	10½
Front round	0	1	1½
Bit straps per pair	0	0	5½ or 2s. 8½d.
	0	16	8½ per six pairs
If made up with buckle part and strap to nose-band extra	0	1	4

## SPRING DRAY OR LORRY BRIDLE.

## SECOND QUALITY.

Head-piece, one loop	0	1	0
Throat-band, one loop each side	0	1	0
Winker stay flat, split	0	0	5½
Cheeks and nose-band head-stall fashion, two loops in cheeks, stitched seven to inch, without strap or buckle part	0	5	4
Winker eyes, outside row only hand stitched ten to inch	0	3	8½
Front round	0	1	1½
Bit straps per pair	0	0	5½ or 2s. 8½d.
	0	13	1½ per six pairs
If made up with strap and buckle part to nose-band extra	0	1	1½

With 10 per cent. deducted.

SCHEDULE No. III.—HARNESS, BLACK OR BROWN (PIECE-WORK)—*continued.*

## DRAY BRIDLE.

## FIRST QUALITY.

	£	s.	d.
Scotch winker eyes and nose-band cut in one piece, chapes stitched seven to inch	0	5	1
Head-piece, two points, no chape	0	0	8½
Throat-band, with extra buckle in centre, loop behind each buckle	0	1	3½
Bearing rein, to buckle both sides	0	1	9½
Front, chain, stitched seven to inch, including two studs or ornaments if required	0	2	11½
Bit straps	0	0	5½
per pair			or 2s. 8½d.
			per six pairs

## Extras.

Scotch winker eyes and nose-band, if all patent leather, in one piece and lined, one row hand stitched eight to inch	0	6	7
Head-piece, three points, with chape for face-piece	0	1	7½
Face-drop, one row hand stitched eight to inch, single point	0	1	9½
Ear-drops, one row hand stitched eight to inch	0	3	8½
per pair			

## DRAY BRIDLE.

## SECOND QUALITY.

Solid winker eyes and nose-band, stitched into cheeks, three rows in nose-band and cheeks hand stitched six to inch	0	3	8½
If prepared, lined, and machine sewn by employer, no extra charge.			
Head-piece, two points, no chape	0	0	5
Throat-band, one buckle and loop each side	0	0	7½
Front, single leather	0	0	5
	0	5	2½
			or 54s. 3d.
			per doz.

## Extras.

Bearing rein, to buckle one side only	0	1	1½
Front round	0	1	1½
Nose-band lined, hand stitched six to inch	0	1	1½
Winker eyes lined, hand stitched six to inch	0	2	3
Bit straps	0	0	5½
per pair			or 2s. 8½d.
			per six pairs

## DRAY WINKER EYES (BLOCKED).

Preparing blocking and finishing (lined and machine sewn eyes)....	0	1	7½
per pair			or 17s. 7d.
			per doz pairs

## FRONTS, ALL BRIDLES.

	£	s.	d.
Chain fronts covered with patent leather, stitched thirteen to inch, chain sewn on with wax thread	0	4	4½
Do., if stitched twelve to inch	0	3	10½
Do., if stitched eleven to inch	0	3	2½
Chain fronts on winker middling, stitched ten to inch, chain sewn on with wax thread	0	2	8½
If chain in any of the above fronts fixed on with wire	0	0	5½
Plain patent leather centre, machine sewn, two rows, no chain	0	1	1½

## CARRIAGE HAME TUGS AND BELLY-BANDS.

No. 1. First quality full safes, hand stitched thirteen to inch, pipe loops, lined belly-bands to buckle both sides hand stitched four rows twelve to inch and riveting, including market tugs, clip parts hand stitched four rows twelve to inch	7	13	4
No. 2. First quality, made same style as No. 1, but to buckle one side only...	7	0	7
No. 3. First quality, made same style as No. 1, but two rows of stitching in belly band only	7	2	0
No. 4. First quality, made same style as No. 3, but to buckle one side only...	6	13	6
If any of the above with half safes, a deduction of	0	18	5½
Second quality buckle safes, hand stitched twelve to inch, plain leather clip parts two rows hand stitched twelve to inch, belly-bands to buckle one side only, pipe loops and riveting, including market tugs	5	12	2
Do., if with patent leather clip parts	0	3	2½
Third quality solid leather buckle safes, single leather belly-bands and straps to buckle one side only, patent leather, outside clip parts hand stitched one row ten to inch, inside rows machine-sewn, pipe loops and riveting, including market tugs	3	10	3
Per pair.			
First quality covering hames with patent leather, herring-bone stitched	0	3	2½
Second quality covering hames with patent leather, herring-bone stitched	0	2	8½
If stitched along the inside edge	0	3	2½
extra			

With 10 per cent. deducted.



SCHEDULE No. III.--HARNESS, BLACK OR BROWN (PIECE-WORK)—  
continued.

## GIG AND BUGGY HAME TUGS.

	£	s.	d.
First quality brougham full safes stitched twelve to inch, outside clips and riveting, clip parts four rows of stitching, loops face-stitched piped and creased	1	6	3
First quality buckle safes stitched twelve to inch, patent leather clip parts, inside rows machine-sewn, pipe loops and riveting	0	19	5
First quality buckle safes stitched twelve to inch, loop pull four rows of stitching ten to inch	0	17	7
Second quality buckle safes solid leather, plain clip part four rows of stitching ten to inch and riveting	0	12	8
Second quality, plain clip part four rows of stitching ten to inch and riveting, without safes	0	11	2
Patent leather clip parts, two rows of stitching twelve to inch extra	0	1	1½
Second quality loop pull, four rows of stitching ten to inch grooved or face stitching not more than six to inch	0	9	8½
Second quality loop pull, two rows of stitching nine to inch, grooved or face stitching not more than six to inch	0	8	3½
Third quality, three small loops, or pipe loops, clip part two rows of stitching nine to inch and riveting	0	6	6
Third quality, three small loops, or pipe loops, loop pull two rows of stitching nine to inch	0	6	6

## EXPRESS HAME TUGS.

First quality, 22 inches long, four loops stitched six to inch; two front rows stitched eight to inch	0	9	8½
First quality, 12 inches long, three loops stitched six to inch; two front rows stitched eight to inch	0	7	8½
Second quality, 22 inches long, three loops stitched six to inch; two front rows stitched seven to inch	0	8	10
Second quality, 12 inches long, three, loops stitched six to inch; two front rows stitched seven to inch	0	7	4

## HAME STRAPS.

	each	Per dozen.
Best carriage, gig, or buggy, stitched ten to inch, ...	9d.	0 7 8½
Second quality do., do., nine to inch, not blacked on flesh	6½d.	0 4 9½
Third quality carriage, gig, buggy, or cab, stitched seven to inch, not blacked on flesh, no edges off	5d.	0 3 10½
Dray, common, stitched six to inch	5d.	0 3 10½

## EXPRESS BELLY-BANDS AND SHORT TUGS.

	Per pair.
First quality belly-band single leather, stitched eight to inch, two loops, and stitching on tug buckles	0 1 11½
Second quality belly-band, stitched seven to inch, one loop and slide loop, and stitching on tug buckles	0 1 7½
First quality short tugs, stitched eight to inch, three loops, and stitching on tug buckles	0 2 3
Second quality short tugs, stitched six to inch, two loops, and stitching on tug buckles	0 1 7½
Second quality short tugs, hame strap fashion, to buckle on with running loop	0 0 8½

## GIG AND BUGGY SHAFT TUGS.

Metal loops to be put on if required without extra charge.

	Per pair.
First quality gig, four rows of stitching ten to inch, pipe loops	0 13 2½
Second quality gig, three rows of stitching nine to inch, pipe loops	0 9 8½
Do., if two rows of stitching	0 8 3½
Second quality gig, two rows of stitching eight to inch, pipe loops	0 7 8½
Third quality gig, two rows of stitching seven to inch, loops bevelled only	0 6 6
First quality buggy, four rows of stitching ten to inch, pipe loops	0 11 8
First quality buggy, two rows of stitching ten to inch, inside lining raised, pipe loops	0 11 8
Do., if inside lining not raised, pipe loops	0 9 3
Second quality buggy, two rows of stitching nine to inch, pipe loops	0 8 3½
Do., if stitched eight to inch	0 7 8½
Third quality buggy, two rows of stitching seven to inch, loops bevelled only	0 5 10½
First quality American buggy, two rows of stitching ten to inch, inside lining raised, lined girth points stitched twelve to inch, pipe loops	0 19 5½
First quality American buggy, plain straight tug to lap over buckle, stitched ten to inch, inside lining raised, pipe loops	0 9 9½
Second quality American buggy, plain straight tug to lap over buckle, stitched nine to inch, pipe loops	0 7 9
Third quality, do., do., grooved	0 4 4½

With 10 per cent. deducted.

## SCHEDULE No. III.—HARNESS, BLACK OR BROWN (PIECE-WORK)++

continued.

## CAB OR SPRING-CART SHAFT TUGS.

	£ s. d.
Per pair.	
First quality, four rows of stitching seven to inch, leather loops creased, also with metal loops	0 12 1
Do. if metal loops only	0 10 8
First quality, three rows of stitching seven to inch, leather loops creased, also with metal loops	0 10 8
Do., if metal loops only	0 9 3
Second quality, three rows of stitching six to inch, leather loops bevelled only, also with metal loops	0 9 3
Do., if metal loops only	0 8 9
Second quality, two rows of stitching six to inch, leather loops bevelled only, also with metal loops	0 7 8½
Do., if metal loops only	0 7 2½

## SPRING-DRAW SHAFT TUGS.

	Per pair.
First quality, four rows of stitching six to inch, leather loops bevelled only, also with metal loops	0 12 1
Do., if metal loops only	0 10 8
First quality, three rows of stitching six to inch, leather loops bevelled only, also with metal loops	0 9 8½
Do., if metal loops only	0 9 3
Second quality, two rows of stitching six to inch, leather loops bevelled only, also with metal loops	0 7 8½
Do., if metal loops only	0 7 2½

## GIG AND BUGGY BREECHINGS.

## SEATS AND TUGS.

	Each.
No. 1. First quality brougham-seat, four rows of stitching thirteen to inch, tugs piped and creased	1 8 9
No. 2. First quality gig-seat, padded, waved lay stitched thirteen to inch, with two extra rows of stitching 6 inches back from rings, tugs piped and creased	1 4 0
No. 3. First quality gig-seat, two rows of stitching twelve to inch, with two extra rows of stitching 6 inches back from rings, tugs piped and creased	1 2 0
No. 4. First quality gig-seat, two rows of stitching ten to inch, with two extra rows of stitching 6 inches back from rings, lined stays stitched twelve to inch, tugs piped and creased	1 2 0
No. 1. Second quality gig-seat, padded, waved lay two rows of stitching ten to inch, with two extra rows of stitching 4½ inches back from rings, tugs piped and creased	0 19 5
No. 2. Do., if not padded and waved	0 17 7
No. 3. Second quality gig-seat, two rows of stitching nine to inch, with two extra rows of stitching 4½ inches back from rings, with stays stitched two rows ten to inch, small loops in tugs	0 17 0½
No. 1. Third quality gig-seat, two rows of stitching eight to inch, three small loops or stamped pipe loops in tugs	0 9 8½
No. 2. Third quality gig-seat, padded, straight flat lay two rows of stitching eight to inch, three small loops or stamped pipe loops in tugs	0 11 1
No. 5. First quality buggy-seat, padded, waved lay stitched two rows thirteen to inch, with two extra rows of stitching 4 inches back from rings, round stays, loops piped and creased	1 2 11
No. 6. Do., if with lined stays stitched thirteen to inch	1 2 11
No. 4. Second quality buggy-seat, padded, waved lay two rows stitched ten to inch, with two extra rows of stitching 3 inches back from rings, stays two rows stitched ten to inch, two narrow loops in tugs	0 16 6
No. 5. Do., if with round stays	0 16 6
No. 3. Third quality buggy-seat, padded, straight lay two rows stitched eight to inch, with lined stays stitched nine to inch	0 11 1
No. 4. Do., if with round or flat stays to run through small tugs	0 9 8½

## BREECHING STRAPS, 3 FT. 6 IN. LONG.

	Per pair
No. 1. First quality lined, four rows stitched thirteen to inch, three small loops or pipe loops creased	1 4 0
No. 2. First quality lined, two rows stitched twelve to inch, three small loops or pipe loops creased	0 12 1½
No. 3. First quality single, lined back 10 inches, stitched ten to inch, three small or pipe loops creased	0 6 6
Second quality single leather, loose turn back, three small loops, blacked on flesh side and fudged	0 2 8½
Second quality single leather, loose turn back, three small loops	0 2 3 1 4 0
Third quality single leather, loose turn back, one loop back and front	0 1 7½ 0 17 7

With 10 per cent. deducted.

**SCHEDULE No. III.—HARNESS, BLACK OR BROWN (PIECE-WORK)—**  
*continued.*

**GIG AND BUGGY BREECHINGS—continued.**

SPLIT HIP STRAPS.		£ s. d.
		Each.
No. 1. First quality lined, centre four rows stitched thirteen to inch	...	0 18 5½
No. 2. First quality lined, centre four rows stitched twelve to inch	...	0 16 6
Second quality single, blacked on flesh side and fudged	...	0 2 3
Do., not fudged	...	0 1 7½
Third quality single, not blacked on flesh side	...	0 1 1½

SINGLE LOIN STRAPS.		Each.
No. 1. First quality lined, four rows stitched thirteen to inch	...	0 11 8
No. 2. First quality lined, two rows stitched thirteen to inch	...	0 6 6
No. 3. First quality lined, two rows stitched twelve to inch	...	0 6 2
No. 1. Second quality lined, two rows stitched ten to inch	...	0 5 4
No. 2. Second quality single, blacked on flesh side and fudged	...	0 0 9
No. 3. Second quality, do., not fudged	...	0 0 6½
Third quality single, not blacked on flesh side	...	0 0 4

ROUND LOIN STRAPS.		Each.
First quality, points and centre lined, stitched thirteen to inch	...	0 6 6
Second quality, lined centre, single points, blacked on flesh side and fudged	...	0 3 3

CARRIAGE OR GIG CRUPPERS.		Each.
No. 1. First quality, lined strap stitched four rows, body stitched two rows thirteen to inch, pipe or small loops face stitched seven to inch	...	1 5 4
No. 2. Do., with crupper strap stitched two rows thirteen to inch	...	0 19 5½
No. 1. Second quality, single leather, lay stitched ten to inch, blacked on flesh side and fudged, four small loops behind buckle stitched in six to inch	...	0 6 6
No. 2. Second quality, do., not fudged	...	0 6 2
No. 3. Second quality, lined body part stitched ten to inch, with single strap, blacked on flesh side and fudged, four small loops behind buckle stitched in six to inch	...	0 12 1½
Third quality, single leather, lay stitched nine to inch, three small loops behind buckle stitched in six to inch, not blacked on flesh side	...	0 4 4½

BUGGY MARTINGALE CRUPPERS.		Each.
No. 1. First quality, lined four rows or round split part, body part inside row and loop for loin strap false stitched, hand stitched thirteen to inch	...	0 15 7½
No. 2. Do., if lined 24 inches only	...	0 13 2½
No. 1. Second quality, lined 22 inches, stitched ten to inch, no false stitching	...	0 8 3½
No. 2. Second quality, lined 14 inches from split part, stitched twelve to inch, no false stitching	...	0 6 6
No. 3. Do., if stitched ten to inch	...	0 6 2
Third quality, single leather, lined 8 inches, stitched nine to inch, no edges off	...	0 3 3
All these carriage, gig, or buggy cruppers with docks grooved, up to 3 inches in circumference, and filled with paper or leather, or stuffed with linseed. If over 3 inches in circumference, extra, to be reckoned as per difference in scale underneath.		

CRUPPER DOCKS.		£ s. d.
		Each. Per dozen.
Paper or leather filled or linseed stuffed, under 3 inches in circumference	...	0 1 4 0 13 2½
Paper or leather filled or linseed stuffed, if 3 inches in circumference	...	0 1 7½
Linseed stuffed, face stitched ten to inch	...	0 3 2½
Linseed stuffed, over 3 inches up to 3½ inches in circumference, face stitched ten to inch	...	0 3 10½
Linseed stuffed, over 3½ inches up to 4½ inches in circumference, face stitched ten to inch	...	0 4 4½
Two chapes and buckles extra on dock	extra	0 2 3
One chape and buckle extra on dock	"	0 1 1½

**EXAMPLES TO BROUGHAM, GIG, OR BUGGY BREECHINGS.**

	Brougham and Gig.				Buggy.		
	1st Quality, No. 1.	1st Quality, No. 2.	2nd Quality.	3rd Quality.	1st Quality.	2nd Quality.	3rd Quality.
	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
Seat	28 9	24 0	No. 1.. 19 5	No. 1.. 9 8½	No. 5.. 22 11	No. 4.. 16 6	No. 3.. 11 1
Split hip strap	13 7	16 6	2 3	1 1½	Loin strap, No. 2.. 6 6	Loin strap, No. 2.. 0 9	Loin strap 0 3½
Crupper	25 4	19 5½	6 6	4 4½	Martingale crupper, No. 1.. 15 7	Martingale crupper, No. 3.. 6 1	Martingale crupper 3 3
Breeching straps	23 11	12 1½	2 3	1 7½	No. 1.. 24 0	2 3	1 7
	£4 16 7	£3 12 1	£1 10 5	18 9½	£3 9 0	£1 5 7	16 2½

With 10 per cent. deducted.

SCHEDULE No. III.—HARNESS, BLACK OR BROWN (PIECE-WORK)—*continued.*

## CARRIAGE BREECHINGS.

SEATS AND TUGS.	£ s. d. Per pair.
First quality, seat four rows stitched thirteen to inch, tugs grooved, piped, and creased ... ..	4 8 0
First quality, seat two rows stitched twelve to inch, tugs grooved, piped, and creased ... ..	2 12 6
Second quality, seat two rows stitched ten to inch, tugs grooved, piped, and creased ... ..	2 4 0
Second quality, seat lined 4 ft. 6 in., two rows stitched ten to inch, single points, tugs grooved, piped, and creased ... ..	1 8 9

## CARRIAGE LOIN STRAPS AND TRACE CARRIERS.

First quality lined, four rows stitched thirteen to inch, swing ornaments, outside row only hand stitched thirteen to inch, buckle and squares, or squares only ... ..	1 15 2
Do., stitched two rows twelve to inch ... ..	1 5 4
Second quality lined, two rows stitched ten to inch, swing ornaments, outside row only hand stitched twelve to inch, buckles and squares, or squares only ... ..	1 2 11
Outside carriers, outside row only hand stitched thirteen to inch, loops grooved, piped, and creased ... ..	0 9 8½
Inside carriers, loops grooved, piped, and creased ... ..	0 3 2½
Second quality outside carriers, outside row only hand stitched eleven to inch, loops grooved, piped, and creased ... ..	0 8 9
Second quality inside carriers, stitched ten to inch, cut straight, two small loops ... ..	0 2 3
<i>All the above if with single billets for carriage breechings extra</i> ... ..	0 1 1½
First quality, ordinary, to buckle both sides, two rows stitched twelve to inch ... ..	0 16 6
Second quality, ordinary, to buckle both sides, two rows stitched ten to inch ... ..	0 14 1
First quality loin strap and inside trace carriers combined, two rows stitched twelve to inch ... ..	0 19 5½
Second quality loin strap and inside trace carriers combined, two rows stitched ten to inch ... ..	0 16 6

## PAIR HORSE BUGGY CRUPPERS, LOIN STRAPS, AND TRACE CARRIERS.

	£ s. d. Per pair.
First quality martingale cruppers, lined four rows or round split parts, hand stitched thirteen to inch, body parts inside rows and loops for loin strap false stitched ... ..	1 11 3
Second quality martingale cruppers, lined 22 inches, stitched ten to inch, no false stitching ... ..	0 16 6
First quality round loin straps, outside trace carrier sewn into ring, with outside row only hand stitched thirteen to inch, inside trace carriers single leather ... ..	1 6 3
First quality round loin straps, points and centres lined stitched thirteen to inch ... ..	0 14 1
First quality trace carriers, patent leather, outside row only hand stitched thirteen to inch, single leather carriers, loops grooved, piped, and creased ... ..	0 9 8½
First quality inside trace carriers, loops grooved, piped, and creased ... ..	0 3 2½
First quality round loin straps and inside trace carriers combined, points and inside bearing parts lined and stitched twelve to inch ... ..	0 17 7
Round trace carriers to drops ... .. extra	0 2 3
Second quality round loin straps, single points ... ..	0 7 8½
Second quality trace carriers, patent leather, outside row only hand stitched twelve to inch, two narrow loops ... ..	0 7 8½
Second quality inside trace carriers, single leather, two small loops ... ..	0 2 3
Second quality round loin straps and inside trace carriers combined, lined points stitched ten to inch, single leather bearing parts ... ..	0 11 2

## BREECHINGS.

## PAIR HORSE EXPRESS.

	Per pair.
First quality breeching seat, lined 4 ft. 6 in. stitched eight to inch, three loops in tugs with plain leather trace carriers ... ..	0 17 7
Breeching and crupper, American pattern, seat 4 ft. 6 in. stitched eight to inch, four tugs two loops, plain leather trace carriers, four hip straps stitched into each ring, crupper strap to buckle on to harness, safe under rings 8 inches long, no edges off ... ..	1 2 0
First quality martingale crupper, lined 14 inches from split part, stitched ten to inch ... ..	0 12 1½
First quality single leather loin straps and inside trace carriers combined, two loops on each strap, blacked on flesh side and fudged ... ..	0 3 2½

With 10 per cent. deducted.

SCHEDULE No. III.—HARNESS, BLACK OR BROWN (PIECE-WORK)—*continued.*

BREECHINGS— <i>continued.</i>		£ s. d.
PAIR HORSE EXPRESS— <i>continued.</i>		Per pair.
First quality trace carriers, patent leather outside row only stitched twelve to inch, single leather bearers, two loops ...	...	0 7 8½
Second quality martingale cruppers, single leather, lined 8 inches, stitched nine to inch, no edges off ...	...	0 6 6
Second quality single leather loin straps and inside trace carriers combined, one loop ...	...	0 1 5¼
Second quality outside trace carriers, patent leather outside row only stitched ten to inch, one loop, buckle part stitched eight to inch ...	...	0 5 4
First quality loin straps, single leather to buckle both sides, blacked on flesh side and fudged ...	...	0 1 5¼
Do., if not blacked on flesh ...	...	0 0 9

## CAB.

<i>First Quality.</i>		Each.
Seat, four rows stitched eight to inch, loops piped and creased ...	...	0 16 8
Single leather breeching straps, three loops ... per pair	...	0 2 3
Hip strap, rounded to run through centre piece, with single points, centre piece two rows stitched nine to inch, drops outside row only stitched ten to inch ...	...	0 12 1½
Crupper, single leather, two buckles in dock, all small loops ...	...	0 6 7½
Dock to be made of paper or leather, not to exceed 3½ inches in circumference.	...	

1 17 8

Seat padded and waved, two rows stitched nine to inch, loops piped and creased ...	...	0 16 8
Do., if loops pressed ...	...	0 15 4
Do., if with stays, creased loops ...	...	0 15 4
Breeching straps, not to exceed 33 inches long, lined, stitched eight to inch, three loops ... per pair	...	0 6 6
Breeching straps double, stitched two inches at points seven to inch, three loops ...	...	0 2 3
Single loin strap, lined, two rows stitched nine to inch ...	...	0 4 8
Hip strap, lined centre with rings, single points, stitched nine to inch, drops outside row only stitched ten to inch ...	...	0 9 7
Do., if without drops ...	...	0 6 7½
Hip strap, single points, rounded to run through centre piece, stitched eight to inch, no drop ...	...	0 6 7½
Kidney strap, stitched nine to inch, all patent leather, outside row only stitched eleven to inch ...	...	0 5 4
Kidney strap, stitched nine to inch, patent leather drops outside row stitched ten to inch ...	...	0 4 4½

*Second Quality.*

Seat, two rows stitched eight to inch, also two extra rows stitched 2 inches back from rings, three loops in tugs ...	...	0 9 3
Breeching straps, single leather, two loops ... per pair	...	0 1 7
Split hip strap, single leather ...	...	0 1 1½
Crupper, single leather, four loops behind buckle, dock to be made of paper or leather, not to exceed 3½ inches in circumference ...	...	0 4 11
	...	0 16 10½
Breeching seat, two rows stitched seven to inch, two loops in tugs ...	...	0 7 10½
Breeching seat padded, straight lay stitched eight to inch, also two extra rows stitched 2 inches back from rings, three loops in tugs ...	...	0 11 1
Do., if with stays ...	...	0 11 1
Hip strap, single leather ...	...	0 0 4
Kidney strap, stitched eight to inch, all patent leather, outside row only stitched ten to inch ...	...	0 4 4½

## SPRING DRAY.

*First Quality.*

Seat, four rows stitched seven to inch, three loops in tugs ...	...	0 12 1½
Breeching straps double, stitched two inches at points seven to inch, three loops ...	...	0 2 3
Two single loin straps ...	...	0 0 9
Crupper, single leather, round dock, to be made of paper or leather, not to exceed 3½ inches in circumference ...	...	0 5 0
	...	1 0 1½

With 10 per cent. deducted.

SCHEDULE No. III.—HARNESS, BLACK OR BROWN (PIECE-WORK)—  
continued.

## BREECHINGS—continued.

## SPRING DRAY—continued.

	£	s.	d.
<i>Second Quality.</i>			Each.
Seat, two rows stitched six to inch, two loops in tugs ...	0	8	9
Breeching straps double, stitched two inches at points six to inch, two loops	0	2	3
Two single loin straps ...	0	0	9
Crupper, single leather, round dock, to be made of paper or leather, not to exceed 3½ inches in circumference ...	0	4	5½
	0	16	2½

## LORRY, WITH CRUPPERS.

Seat, with lay stitched two rows seven to inch, one loop in front and two loops behind buckles; straps, single leather, with one sliding loop on each strap; four tugs, two loops in each tug; crupper with ring, safe 15 inches long, one loop in front and two loops behind buckles, split hip straps stitched to rings three rows 5 inches long seven to inch; four trace carriers made same style as hame straps, crupper strap with loop to fix to hame strap ...	Per pair.	1	15	2
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## DRAY, ALSO CRUPPERS.

	Each.
Seat, four rows stitched seven to inch, six tugs, two loops in each tug ...	0 16 8
Seat, three rows stitched six to inch, six tugs, two loops in each tug ...	0 13 0
Seat, three rows stitched six to inch, no stitching to be required in turn back of body of seat, four tugs, two loops in each tug ...	0 10 9
Seat, two rows stitched six to inch, no stitching to be required in turn back of body of seat, four tugs, two loops in each tug ...	0 8 9
Seat, two rows stitched six to inch, no stitching to be required in turn back of body of seat, three tugs, two loops in each tug, loin strap stitched into chain on off side ...	0 8 3½
Crupper, split hip straps, and single loin strap, stitched six to inch ...	0 4 11
Crupper and single hip strap, stitched six to inch ...	0 3 2½
If body of seat turned back more than 12 inches, extra as per scale of stitching on page 11.	
If lined safe stitched by employer no extra charge.	

## REINS.

## FOUR-HORSE.\*

First quality flat, lined draughts, one loop in front and two loops behind billet buckles, plain hand parts lined at points to buckle on draughts, stitched twelve to inch throughout with 3½-in. splice, edged coloured and creased ...	Per set.	1	10	2
Second quality flat, lined draughts, hand part stitched into draughts, one loop in front and one loop behind billet buckles, stitched ten to inch throughout with 3½-in. splice, edged coloured and creased ...		1	2	0
Single leather draughts, 3½-in. splices stitched ten to inch, two loops behind buckles in billets stitched nine to inch, coloured and creased ...		0	11	1
Lorry, single leather, one loop in billets, stitched seven to inch, creased only ...		0	8	9
Do., with spring billets ...		0	7	10½
Couplings for five-horse reins ... per pair		0	3	10½

## TANDEM LEADING AND HANSOM-CAB.

First quality flat, billets stitched ten to inch, one loop in front and two loops behind buckles, splices stitched twelve to inch, edged coloured and creased ...	Per pair.	0	13	0
Second quality flat, billets stitched nine to inch, two loops behind buckles, splices stitched ten to inch, edged coloured and creased ...		0	8	9

## PAIR-HORSE.\*

First quality round and grooved, draughts lined, one loop in front and two loops behind billet buckles, plain hand-parts, stitched twelve to inch throughout, waved splices, edged coloured and creased ...	Per set.	2	4	0
Do., if with hand-parts to buckle in, two loops, points lined 6 inches stitched twelve to inch ...		2	10	5
Do., if buckles on hand-parts to buckle on draughts, two loops ...		2	6	2
Second quality round and grooved, draughts lined stitched eleven to inch, two loops behind billet buckles only, plain hand-parts waved splices stitched ten to inch, edged coloured and creased ...		1	19	1
Do., if with hand-parts to buckle in, two loops, points lined 6 inches, and stitched ten to inch ...		2	4	0
Do., if buckles on hand-parts to buckle on draughts, two loops ...		2	1	11
First quality flat, lined draughts, one loop in front and two behind billet buckles, plain hand-parts lined at points to buckle on draughts, stitched twelve to inch throughout, edged coloured and creased. If long couplings up to 9 feet in length are required, no extra charge ...		1	2	0
Do., if buckles on hand-parts to buckle on draughts, two loops ...		0	19	11

\* If linings to draughts are over 2ft. in length, extra stitching to be paid for as per scale for strapping on page 2887.

With 10 per cent. deducted.

**SCHEDULE No. III.—HARNESS, BLACK OR BROWN (PIECE-WORK)—continued.**  
**REINS—continued.**

<b>PAIR-HORSE*—continued.</b>		<b>£ s. d.</b>	
Second quality flat, draughts lined, hand-part stitched into draughts one loop in front and one behind billet buckles, stitched ten to inch, waved splices stitched twelve to inch, edged coloured and creased ...	Per set.	0	16 6
Do., if without loops or stitching in front of billet-buckles ...		0	14 1
If hand-parts complete provided by employer in above reins, ready to be spliced ...	a deduction of	0	1 1½
Express, single leather, splices stitched ten to inch, two loops in billets stitched nine to inch, edges off, coloured and creased ...	Per set.	0	7 10½
Do., stitched eight to inch throughout, top edges off ...		0	6 6
Lorry, single leather, one loop in billet stitched seven to inch, creased only ...		0	6 6
Ditto, stitched six to inch throughout ...		0	5 10½
If more than two splices in express or lorry reins extra per splice		0	0 5½
<b>GIG AND BUGGY.</b>		<b>£ s. d.</b>	
First quality, round and grooved one loop in front and two behind buckles, waved splices, stitched twelve to inch throughout, plain hand-parts, edged coloured and creased ...	Per pair.	1	2 0
Do., if to buckle on, with lined points ...		1	5 4
Second quality, round and grooved, two loops behind billet-buckles only, stitched ten to inch, plain splice 3½ inches long stitched eleven to inch, plain hand-parts, edged, coloured and creased ...		0	17 7
First quality flat, billet stitched eleven to inch, one loop in front and two loops behind buckles, waved splices stitched twelve to inch, plain hand parts, edged coloured and creased ...		0	8 3½
Second quality flat, billets stitched ten to inch, two loops, splices stitched eleven to inch, plain hand parts, edged coloured and creased ...		0	5 6½
Second quality flat, billets stitched nine to inch, two loops, splices stitched ten to inch, plain hand-parts, edged coloured and creased ...		0	4 4½
Third quality flat, billets stitched eight to inch, one loop, splices stitched nine to inch, plain hand parts, coloured and creased ...		0	3 10½
If loops before buckles ... extra		0	1 1½
If hand-parts to buckle on ...		0	0 5½
Making and fixing lined points to web hand-parts, stitched twelve to inch, no buckle in centre ...		0	3 2½
Do., single leather points, stitched ten to inch ...		0	1 3½
If lined awelled safe billets, stitched twelve to inch ... extra		0	3 10½
If lined safe, patent or plain to billets ...		0	2 8
If short solid stops ...		0	1 1½
<b>CAB OR SPRING CART.</b>		<b>£ s. d.</b>	
First quality flat, billets stitched nine to inch, splices stitched ten to inch, edged coloured and creased ...		0	4 4½
Second quality flat, stitched eight to inch all through, edged coloured and creased ...		0	3 10½
If more than two splices ... extra per splice		0	0 5½
<b>SPRING DRAY.</b>		<b>£ s. d.</b>	
First quality flat, stitched eight to inch all through, edged coloured and creased ...		0	3 10½
Second quality flat, stitched seven to inch all through, coloured and creased ...		0	3 2½
If more than two splices ... extra per splice		0	0 5½
<b>DRAY.</b>		<b>£ s. d.</b>	
First quality flat, stitched seven to inch ...		0	2 8½
Second quality flat, stitched six to inch ...		0	2 3½
<b>BAG LEATHER HAND-PARTS.</b>		<b>£ s. d.</b>	
Making, with lays and lined point at hand, stitched ten to inch ...	per foot	0	1 3½
Ditto, to lap only with one row of stitching down centre ...	"	0	0 7½
Preparing and finishing hand-parts for machine sewing, with lay and sewing in buckle loop and strap at hand ...	Per pair.	0	2 3
Ditto, if to lap only ...		0	1 5½

\* If linings to draughts are over 2 feet in length, extra stitching to be paid for as per scale for strapping on page 2887.

With 10 per cent. deducted.

**SCHEDULE No. III.—HARNESS, BLACK OR BROWN (PIECE-WORK)—**  
*continued.*

**BREASTPLATES AND MARTINGALES.**

	£	s.	d.
First quality gig or carriage breastplate, with single leather belly part stitched into square, outside row only stitched thirteen to inch, pipe loop and small loop in front of billet buckle	0	8	3½
Second quality gig or carriage breastplate, stitched into drop, outside row only stitched twelve to inch, small loops, one in front of billet buckle	0	4	11
First quality buggy padded breastplate, with lays stitched thirteen to inch, drop sewn into ring, outside row only stitched thirteen to inch, single billet, pipe loop and small loop in front of billet buckle	0	13	0
Martingale part to buckle into any of above breastplates, with round split part and lined point stitched thirteen to inch	0	6	7½
Running martingale padded, lays stitched thirteen to inch, round split part, single leather billet to belly part	0	12	1½
Second quality breastplate, padded, waved lay stitched ten to inch, drop sewn into ring, outside row stitched twelve to inch, no martingale, pipe loop	0	11	8
Do., if to lap only, small loops	0	8	9
Martingale to buckle into above, round split part, single point	0	4	4½
Standing martingale, round split part lined 6 inches below split part, stitched twelve to inch, single leather belly part, with two running loops and loose buckle, blacked on flesh side	0	7	10½
Do., if plain	0	6	8
Standing martingale, if single all through, stitched ten to inch, blacked on flesh side	0	3	2½

**TRACES.**

**CARRIAGE AND GIG—STITCHING AND FINISHING.** (See scale for traces and backbands, pages 2887 and 2888.)  
**DRAW LEATHERS FOR CARRIAGE TRACES** (See scale for traces and backbands, pages 2887 and 2888.)  
**BUGGY TRACES—STITCHING AND FINISHING.** (See scale for traces and backbands, pages 2887 and 2888.)  
**PUTTING TOGETHER BUGGY TRACES.** (See scale for traces and backbands, pages 2887 and 2888.)  
**TANDEM TRACES, PUTTING TOGETHER.** (See scale for traces and backbands, pages 2887 and 2888.)

**ROUND.**

	Per pair.
	£ s. d.
5 ft. 10 in. long, flat point 22 inches long, and flat heel end 6 inches long, two rows stitched twelve to inch	0 19 11
Do., if points and ends are raised	extra 0 1 1½

**SINGLE LEATHER.**

	Per pair.
	£ s. d.
Points not to exceed 27 inches, and heel end 6 inches in length, stitched two rows eight to inch	0 7 10½
Do., if prepared for workman	0 7 2½
Do., if blacked on flesh	extra 0 0 5½

**CAB (not to exceed 5 feet in length).**

	Per pair.	Per pair.	Per pair.
	Preparing, stitching, and finishing.	Stitching and finishing.	Stitching only.
	£ s. d.	£ s. d.	£ s. d.
First quality four rows stitched eight to inch	1 0 11	0 13 5½	0 17 7
First quality three rows stitched eight to inch	0 16 11	0 14 6½	0 13 7½
Second quality three rows stitched seven to inch	0 15 7½	0 13 1	0 12 1½
Second quality three rows stitched six to inch	0 14 6½	0 12 1½	0 11 1
Second quality two rows stitched six to inch	0 11 1	0 8 9	0 7 10½

**SPRING DRAY (not to exceed 5ft. 6in. in length)**

	Per pair.	Per pair.	Per pair.
	Preparing, stitching, and finishing.	Stitching and finishing.	Stitching only.
	£ s. d.	£ s. d.	£ s. d.
First quality four rows stitched seven to inch	1 0 11	0 13 5½	0 17 7½
Second quality three rows stitched six to inch	0 16 6	0 14 6½	0 13 0
Second quality two rows stitched six to inch	0 13 0	0 11 1	0 9 8

**LORRY (not to exceed 6ft. 6in. in length).**

	Per set.	Per set.
	Preparing, stitching, and finishing.	Stitching and finishing.
	£ s. d.	£ s. d.
Four rows stitched six to inch, and riveting clips	2 4 0	1 19 5
Three rows stitched six to inch, and riveting clips	1 15 2	1 11 3

**TUGS AND BELLY-BANDS FOR LORRY TRACES.**

	£ s. d.
Tugs two loops, belly-bands one loop and slide loop, and stitching on lays and dees to traces six to inch	0 15 7½

With 10 per cent. deducted.



SCHEDULE No. III.—HARNESS, BLACK OR BROWN (PIECE-WORK)—  
continued.

## BACKBANDS.

## GIG AND BUGGY (LONG).

£ s. d.

(Stitching or finishing to be charged same scale as trace and backband  
work on pages 2887 and 2888).

Loops ... each loop 0 0 4

## PUTTING TOGETHER.

Each.

Long backbands, two rows with two inside rows in centre not to exceed  
4 feet in length ... 0 1 9½

Do., if two rows ... 0 1 5½

Do., if two rows waved by hand ... 0 2 5½

Do., if two rows waved by machine ... 0 1 5½

All the above, if raised ... extra 0 1 1½

## BUGGY (SHORT).

Preparing, stitching, and finishing to be charged as per scale for strapping  
on page 2887.

Per pair.

If rounded for loops ... extra 0 1 1½

## CAB OR SPRING DRAY.

Each.

First quality, 8 ft. 6 in. long, four rows in centre 4 feet long stitched  
eight to inch, three loops ... 0 13 3½

Do., if prepared for workman ... 0 12 1½

Second quality, 8 ft. 6 in. long, two rows stitched seven to inch, two loops ... 0 9 5½

Do., if prepared for workman ... 0 8 3½

First quality short, 3 ft. 9 in. long, four rows stitched eight to inch ... 0 7 10½

Second quality short, 3 ft. 9 in. long, two rows stitched seven to inch ... 0 3 9½

Second quality, 9 ft. 6 in. long, loose centre 4 feet long, point and belly  
part two rows stitched seven to inch, two loops ... 0 8 9

Do., if prepared for workman ... 0 7 2½

Third quality, 9 ft. 6 in. long, loose centre 4 feet long, point and belly  
part two rows stitched six to inch, two loops ... 0 7 10½

Do., if prepared for workman ... 0 6 2

## PLOUGH.

£ s. d. £ s. d.  
Each. Per dozen

Buckle and safe each side of pads, four rows stitched seven to inch, two  
rings or dees ... 0 5 4

Do., with pad spot stitched ... 0 4 4½

Do., no buckles, three rows stitched six to inch, pad spot stitched, one ring or dee ... 0 2 11½ 1 12 2

Do., without pad ... 0 1 7½ 0 17 7

## LEADING WITH CRUPPER (ENGLISH PATTERN).

Backband, two dees, pad spot stitched, crupper and belly-band stitched six to  
inch ... 0 14 6½

Do., without pad ... 0 12 8

## BELLY-BANDS.

## BUGGY.

Each.

First quality, padded, waved lay stitched thirteen to inch, single billets,  
pipe loops ... 0 11 1

Do., if small loops ... 0 9 8½

Second quality, padded, waved lay stitched eleven to inch, single billets,  
small loops ... 0 8 9

Do., if waved lay and stitched ten to inch ... 0 7 10½

Third quality, straight lay, stitched nine to inch, single billets, small  
loops ... 0 5 4

Third quality single leather, stitched nine to inch, short chapes, two small  
loops each side, blacked and fudged ... 0 2 11½

First and second quality padded belly-bands if made long without billets,  
loops included, same price as above.

## GIRTHS AND STRAPS, INCLUDING STITCHING ON TO SADDLES.

£ s. d.

First quality gig, lined throughout, two rows stitched twelve to inch, lay  
12 inches long, three small loops, and large loop for backband if  
required ... 0 10 1½

First quality single leather lined strap, two rows stitched twelve to inch, lay  
12 inches long, three small loops, and large loop for backband if  
required ... 0 6 9½

Second quality, all single leather, stitched ten to inch three loops, blacked on  
flesh ... 0 3 10½

With 10 per cent. deducted.

SCHEDULE No. III.—HARNESS, BLACK OR BROWN (PIECE-WORK)—  
continued.

GIRTHS AND STRAPS, INCLUDING STITCHING ON TO SADDLES—continued.

	£	s.	d.
Third quality, all single leather, stitched eight to inch, two loops, not blacked on flesh ...	0	2	11½
First quality buggy, 18 inches long, padded, with waved lay stitched thirteen to inch, to buckle both sides, pipe loops, no straps ...	0	7	10½
Do., if stitched ten to inch, and small loops ...	0	5	4
Second quality buggy, padded, straight lay, stitched nine to inch, two small loops each side, no straps ...	0	3	½
Second quality buggy, single leather, short chapes stitched nine to inch, blacked on flesh, no straps ...	0	2	3
Do., if not blacked on flesh ...	0	1	7½
Spring dray, single leather, three loops in chape, stitched six to inch ...	0	2	11½
Do., two loops in chape, stitched six to inch ...	0	2	10

POINT STRAPS (MAKING READY TO SEW ON).

	Per pair.
First quality, lined, 15 inches long, two rows stitched thirteen to inch ...	0 4 0½
Do., if stitched eleven to inch ...	0 3 2½
Second quality single leather stitched nine to inch on to safe ...	0 1 7½

BELLY-BANDS.

	Each.	£	s.	d.
First quality, with lay on belly part and billets stitched six to inch ...	0	5	10½	Per dozen.
Do., if with lay on billets only ...	0	4	4½	
Second quality, all single leather, stitched six to inch ...	0	1	7½	0 17 7

If either of above lined and machine sewn for workman, no extra charge.

LEADING SPIDERS AND BELLY-BANDS.

	Each.	Per dozen.
Strap turned back 3 inches, circle 6 inches in diameter, with dee on top, stitched six to inch, two loops in tugs, no edges off, without belly band ...	0 4 4½	2 8 2
Do., if with spot stitched pad under circle ...	0 6 2	3 5 10
Bellyband, single leather, stitched six to inch ...	0 1 5½	0 15 7½

If extra stitching, same to be paid for according to scale for strapping on page 2887.

If lined and machine sewn for workman, no extra charge.

BREAST COLLARS.

	£	s.	d.	£	s.	d.
	Each.			Deductions		
First quality, padded, with waved lay, neck strap with rings or loops, points and buckle safes lined, stitched thirteen to inch throughout, round loop on breast, pipe loops ...	1	15	2			
Second quality, padded, with waved lay, neck strap with rings or loops, solid buckle safes, points lined, stitched twelve to inch throughout, round loop on breast, pipe loops ...	1	6	5			
If either of above, without rings or loops on neck strap ...				0	1	7½
If without round loop on breast ...				0	1	7½
If second quality, without safes ...				0	1	7½
Second quality, padded, with waved lay, single points to neck strap with rings or loops, stitched ten to inch throughout, no safes, dees on breast, pipe loops ...	1	0	11			
Do., if with straight lay ...	0	19	0½			
If dee on breast instead of loops ...				0	0	7½
If without ring on neck strap ...				0	1	1½
Third quality, padded, with straight lay stitched nine to inch, single leather point to neck strap, no safes, dee on breast, three small loops each side ...	0	16	6			

KICKING STRAPS AND TUGS.

	£	s.	d.
	Each.		
Single leather kicking cradle, stitched seven to inch, centre of cross-bars loose, with billets and tugs ...	0	6	6
Do., if with two 18-in. lined points, stitched seven to inch ...	0	8	9
Single leather buggy or gig kicking strap, spliced in centre, stitched ten to inch, blacked on flesh and fudged, two loops in tugs, stitched eight to inch ...	0	3	10½

Lined kicking strap to be charged according to scale for strapping on page 2837.

With 10 per cent. deducted.

SCHEDULE No. III.—HARNESS, BLACK OR BROWN (PIECE-WORK)—*continued.*

	£ s. d.	£ s. d.
<b>POLE STRAPS.</b>		
	Per pair.	Per dozen pairs.
Single leather lined back 18 inches, stitched nine to inch, three loops, blacked on flesh side ...	0 5 6½	
Do., lined back 8 inches, stitched seven to inch, finished breeching-strap fashion, blacked on flesh side ...	0 3 4½	1 16 6
Do., double stitched, 3 inches at point, six to inch three loops, and riveted ...	0 2 11½	1 12 2
Do., loose turn back, three small loops, finished breeching-strap fashion, stitched seven to inch ...	0 2 7½	1 7 3
Lined, to be charged as per scale for stitching and finishing traces on page 2888.		£ s. d.
Loops in lined pole straps ...	each	0 0 5½
Putting together lined pole straps ...	per pair	0 2 3

**PACK SADDLE.**

Pads with four chapes, dees or buckles riveted in, lining stitched double-handed six to inch, stuffed and quilted three rows 2½ inches apart, six 1-in. straps for pads, breast collar, breeching, crupper, girth, surcingle, four luggage straps, two 1-in. top straps, four girth straps or balance girth, stitched six inch all through:—

Pads, which include making, also making and fixing six one-inch straps and girth straps ...	£ s. d.
Two top straps 4d., four luggage straps 1s 5½d., breeching 1s. 7½d.	0 16 6
Breast collar 1s. 1½d., crupper 1s. 4½d., girth 1s. 1½d., surcingle 5½d.	0 3 5
	0 4 1
	1 4 0

**PACK BAGS.**

Backs, fronts, flaps, and gusset all stitched six to inch, strapping creased or rased, bars and strapping riveted to bags, one loop in strapping, one bar riveted on each flap and front of bags ...	1 2 0
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**CARRIAGE PADS.**

<b>FIRST QUALITY.</b>	Per pair.
Tops, three rows, outside rows only stitched fourteen to inch, pad end and girth straps stitched four rows thirteen to inch, off side girth lined 12 inches down from top of girth and stitched four rows thirteen to inch, near flap plain leather stitched four rows thirteen to inch, lay on girth fourteen inches long stitched twelve to inch, four loops ...	6 11 6
Tops and outside flap, three rows machine sewn, pad end straps four rows stitched thirteen to inch, top of girth stitched two rows twelve to inch 12 inches down from top of girth, girth straps stitched one row twelve to inch ...	5 9 8
If with patent leather flaps both sides and short padded girth extra	0 11 1

**SECOND QUALITY.**

Top and outside flaps three rows machine sewn, pad end and girth straps stitched two rows eleven to inch ...	4 2 4
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**THIRD QUALITY.**

Tops three rows machine sewn, pad end straps stitched two rows ten to inch, outside flaps, girth and girth straps single leather ...	3 5 10
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**BUGGY PADS.**

<b>FIRST QUALITY.</b>	Per pair.
Tops and flaps patent leather, three rows machine sewn, lined or round trace carriers and lined girth straps stitched two rows thirteen to inch, padded girths with waved lay stitched thirteen to inch and box loops ...	5 9 8
Do., if with single leather trace carriers, false stitched thirteen to inch ...	5 5 2
If either of above with plain leather flaps stitched two rows thirteen to inch extra	0 6 7½

**SECOND QUALITY.**

Tops and flaps patent leather, three rows machine sewn, lined or round trace carriers stitched eleven to inch, single leather girth straps, padded girths with waved lays and small loops ...	4 2 4
If with plain leather flaps lined, stitched two rows eleven to inch... extra	0 5 4

With 10 per cent. deducted.

SCHEDULE No. III.—HARNESS, BLACK OR BROWN (PIECE-WORK)—*continued.*BUGGY PADS—*continued.*

THIRD QUALITY.	£ s. d.
Tops and flaps patent leather, three rows machine sewn, single leather trace carriers and girth straps, folded leather girths, straight lay stitched ten to inch, sockets to be riveted in ... ..	Per pair. 3 0 4
Do., if with single leather flaps ... ..	2 14 8

## EXPRESS PADS.

FIRST QUALITY..	Per pair.
Without plates, tops outside row only stitched twelve to inch, single leather flaps, trace carriers and girth straps, folded girths with waved lay stitched ten to inch, two loops each side, with terrets ... ..	1 13 2
Do., if edges bound with patent leather stitched twelve to inch ... ..	1 15 2
Loose or short pads to buckle into tugs, tops outside row only stitched twelve to inch, lined points two rows stitched eleven to inch, no terrets ... ..	1 4 0
Do., if edges bound with patent leather stitched twelve to inch ... ..	1 6 3

## SECOND QUALITY.

	Per pair.
Without plates, top one row stitched ten to inch, single leather flaps, trace carriers and girth straps stitched nine to inch, single leather girths with two loops each side in chapes, with terrets ... ..	0 19 5½
Do., if with flap and girth in one piece ... ..	0 17 7
Do., if with flap and girth in one piece, no padding ... ..	0 13 0
Do., if either of above, with edges bound with patent leather stitched ten to inch ... .. extra	0 2 3
Do., if without terrets, a deduction of ... ..	0 2 3

## THIRD QUALITY.

	Per pair.
Plain sureingle pads without plates or cushions, loops both sides, stitched nine to inch ... ..	0 8 9
Loose pads, bus pattern, plain leather, straps to run across and buckle into tugs stitched eight to inch, including riveting ... ..	0 3 10½

## LORRY PADS.

	Per pair.
Pad tops outside row only stitched nine to inch, lined points two rows stitched seven to inch, flat or rounded loops on top ... ..	0 18 5½
Do., if bound with patent leather ... ..	1 0 11
Do., if single leather, points stitched eight to inch ... ..	0 11 1

## HARNESS SADDLES (BLACK OR BROWN).

## BUGGY (AMERICAN PATTERN).

First Quality.	Each.
Leather lined and tufted, ½-inch tufts, facings and linings stitched in one seam, flaps and skirts machine sewn, point straps two rows stitched thirteen to inch, no backbands, leather loops, mounts fitted ... ..	1 15 2
Do., with facings and linings machine sewn ... ..	1 13 2
Do., if serge lined and machine sewn ... ..	1 9 8

## Second Quality.

	Each.
Leather lined, not tufted, facings and linings stitched in one seam, flaps and skirts machine sewn, point straps stitched two rows eleven to inch, no backbands, leather loops, mounts fitted ... ..	1 9 8
Do., with facings and linings machine sewn ... ..	1 7 3
Do., if serge lined and machine sewn ... ..	1 5 4
Leather lined, not tufted, facings and linings stitched in one seam, flaps and skirts machine sewn, with single leather points stitched on ten to inch, no backbands, leather loops, mounts fitted ... ..	1 6 9
Do., with facings and linings machine sewn ... ..	1 4 7
Do., if serge lined and machine sewn ... ..	1 2 4
If any of above American saddles given out with covered seat and skirt, a deduction of 5s. 4d. in first quality and 4s. 4½d. in second quality.	
If any of above leather lined second-quality saddles with ½-inch tufts ... .. extra	0 3 2½

## BUGGY OR GIG (ENGLISH PATTERN).

## First Quality.

3 to 6-in. tree, leather lined and tufted, flaps and skirts outside row stitched thirteen to inch, cantle bound thirteen to inch, facings and linings stitched in one seam, mounts fitted, leather loops ... ..	1 15 2
Do., with facings and linings machine sewn ... ..	1 13 2
Do., if serge lined and facings machine sewn ... ..	1 9 8
If either of above with machine sewn flaps and skirts, a deduction of ... ..	0 5 4
If with metal loops or without loops a deduction of 2s. 1½d.	

With 10 per cent. deducted.

SCHEDULE No. III.—HARNESS, BLACK OR BROWN (PIECE-WORK)—*continued.*HARNESS SADDLES (BLACK OR BROWN)—*continued.*BUGGY OR GIG (ENGLISH PATTERN)—*continued.*

		Each.
Second Quality.		
3 to 6 in. tree, flaps and skirts machine sewn, cantle bound by hand eleven to	£ s. d.	
inch, machine sewn facings and serge, mounts fitted, no leather loops ...	0 17 7	
Third Quality.		
3½ to 6 in. tree, flaps and skirts machine sewn, cantle bound by hand ten to		
inch, machine sewn facings and serge, mounts fitted, no leather loops...	0 15 7½	
<i>Extras or deductions in Buggy, or Gig Saddles (American or English Patterns.)</i>		
Per pair.		
Loops, covered with patent leather, two beads machine sewn, and fixing		
to saddle ... ..	0 2 1½	

## CAB.

## First Quality.

		Each.
6 to 8 in. tree, patent leather flaps and skirts machine sewn, hand-stitched		
patent leather facings, serge machine-sewn, cantle metal or bound eleven		
to inch, mounts and bolts fitted ... ..	1 2 0.	
Do., if with plain leather flaps and facings and plain or patent leather top ...	1 0 11	

## Second Quality.

6 to 8 in. tree, patent leather flaps and skirts machine-sewn, facings and serge		
machine sewn, metal cantle, mounts and bolts fitted ... ..	0 19 11	
Do., with plain leather flaps and facings, and plain or patent leather top ...	0 18 5½	

## Third Quality.

6 to 8 in. tree, plain leather flaps and skirts machine sewn, facings and serge		
machine sewn, metal cantle, mounts and bolts fitted, plain or patent		
leather top ... ..	0 16 6	
If trees of 1st, 2nd, or 3rd quality over 8 inch, extra per saddle ... ..	0 2 3.	
Union saddles in each class same price as above.		

## (Extras to Buggy, Gig, or Cab.)

Alexandra beads ... ..	0 1 1½	
Duplex beads ... ..	0 1 1½	
London beads ... ..	0 1 1½	
Thacker's beads ... ..	0 5 4	

## FEDERAL SPRING CART.

Top stitched once round seven to inch and closed, centre bar stitched seven		
to inch, fixing terrets or rings, also crupper loop, full pannel wired or		
laced in, facings and serge machine sewn, cross-barring six rows ... ..	0 14 2½	
Do., if with London beads ... ..	0 15 7½	

## SPRING DRAY.

## First Quality.

Top stitched once round eight to inch, 2-in. covered trough, with beading and		
terrets, full pannel with facings... ..	1 4 0	
Do., if with square pannel, faced with leather... ..	1 0 11	
If either of the above all patent leather, stitched twice round nine to inch, extra	0 4 4½	

## Second Quality.

Top stitched once round six to inch, 2-in. covered trough, with beading and		
terrets, square pannel, no leather facing ... ..	0 16 6	
Do., if with short top and 1½-in. trough for spring-cart... ..	0 14 2½	
If either of second quality saddles are basil lined ... .. extra	0 1 1½	

## DRAY.

## First Quality.

Scotch top, stitched once round seven to inch, lined crupper strap stitched		
seven to inch, girth to buckle both sides, frame tree ... ..	0 19 11	
Do., if without frame ... ..	0 16 6	
Do., if with leather facings ... .. extra	0 1 7½	
If patent leather stitched twice round eight to inch ... .. extra	0 4 4½	

## Second Quality.

In four pieces, stitched six to inch, single leather crupper strap, girth to		
buckle one side only, cloth pannel ... ..	0 3 7½	
Do., if in three pieces ... ..	0 12 8	
Do., if in three pieces with solid back ... ..	0 11 11½	

## Extra to All Saddles.

Racing for chain stitching ... .. extra	0 2 1	
All harness saddles if given out in quantities of not less than half-dozen of		
one size and at one time a deduction of 1s. 1½d. per saddle.		

With 10 per cent. deducted.

## SCHEDULE No. IV.

## BRIDLE PIECE-WORK.

Where whole buckles are used in any quality one loop to be omitted from behind buckle.

Plain front means made of plain or patent leather.

## SNAFFLE HEADS AND REINS.

	Billeted—		Preparing To sew on—	
	Each.	Per dozen.	Each.	Per dozen.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Best quality, stitched twelve to inch, plain front, head lined and machine-sewn, fast or loose throat-band, one loop before and two loops behind buckles, edged coloured and creased ...	0 4 10	2 14 8	0 2 0	1 2 0
Second quality, stitched ten to inch, plain front, head lined and machine-sewn, fast or loose throat-band, one loop before and two loops behind buckles, edged coloured and creased ...	0 4 0½	2 4 9	0 1 7½	0 17 7
Do., but stitched nine to inch one loop before and two loops behind buckles, top edges off, coloured and creased ...	0 3 3	1 16 11	0 1 5½	0 16 1
Third quality, stitched eight to inch, plain head and front, loose throat-band, one loop before and one loop behind buckles, coloured and creased ...	0 2 8½	1 10 9	0 1 3½	0 13 7½
Common quality, stitched six to inch, plain head and front, loose throat-band, one loop before and one loop behind buckles, coloured and creased ...	0 2 7½	1 8 3	0 0 11½	0 9 8½
Do., with turn back billet, no loop in front of buckle, coloured and creased ...	0 2 1½	1 4 0	...	...
Best bush bridle, stitched eight to inch double-hand with black wax thread, plain head and front, loose throat-band, one loop before and one loop behind buckles, coloured and creased ...	0 3 3	1 16 11	...	...
Second quality bush bridle, stitched six to inch double-hand with black wax thread, plain head and front, loose throat-band, one loop before and one behind buckles, coloured and creased ...	0 2 11½	1 13 2	...	...

If made according to Queensland pattern to be paid extra (according to following scale) on above prices :—

	Each.	Per dozen.
	£ s. d.	£ s. d.
Best quality	0 0 10½	0 9 8½
Second quality	0 0 9	0 7 10½
Third quality	0 0 6½	0 5 10½
Common quality	0 0 4½	0 3 10½

With 10 per cent. deducted.

## PELHAM HEADS AND REINS.

	Billeted—		Preparing To sew on—	
	Each.	Per dozen.	Each.	Per dozen.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Best quality, stitched twelve to inch, head lined and machine-sewn, plain front, fast or loose throat-band, one loop before and two loops behind buckles, edged coloured and creased ...	0 6 7½	3 13 2	0 2 8	1 4 0
Second quality, stitched ten to inch, head lined and machine-sewn, plain front, fast or loose throat-band, one loop before and two loops behind buckles, edged coloured and creased ...	0 5 4	3 1 5	0 1 11½	1 0 11
Do., but stitched nine to inch, one loop before and two loops behind buckles, top edges off, coloured and creased ...	0 4 6	2 10 10	0 1 7½	0 17 7
Third quality, stitched eight to inch, head lined and machine-sewn, plain front, fast or loose throat-band, one loop before and one loop behind buckles, coloured and creased ...	0 3 10½	2 2 10	0 1 5½	0 16 1
Common quality stitched seven to inch, plain head and front, fast or loose throat-band, one loop before and one loop behind buckles, coloured and creased ...	0 3 3	1 17 0	0 1 1½	0 12 1½

## SCHEDULE No. IV.—BRIDLE PIECE-WORK—continued.

## PELHAM HEADS AND REINS—continued.

If made according to Queensland pattern to be paid extra (according to following scale) on above prices:—

	Each.	Per dozen.
	£ s. d.	£ s. d.
Best quality ... ..	0 0 10½	0 9 8½
Second quality ... ..	0 0 9	0 7 10½
Third quality ... ..	0 0 6½	0 5 10½
Common quality ... ..	0 0 4½	0 3 10½

## LADY'S PELHAM HEADS AND REINS.

	Each.	Per dozen.
	£ s. d.	£ s. d.
Best quality flat, billeted, round cross-face piece, including fixing seven rosettes, lined nose-band outside row only hand-stitched, head machine-sewn, plain front, stitched twelve to inch throughout, one loop before and two loops behind buckles, edged coloured and creased ... ..	0 10 5	5 16 0
Second quality flat, billeted, flat cross-face piece, including fixing seven rosettes, lined nose-band outside row only hand-stitched, head machine-sewn, plain front, stitched ten to inch throughout, one loop before and two loops behind buckles, top edges off, coloured and creased ... ..	0 7 2½	3 18 11
Do., as above, but without cross-face piece, including fixing two rosettes, and machine-sewn nose-band ... ..	0 5 4	2 19 5
Third quality, same as preceding line, but stitched nine to inch throughout, one loop before and one loop behind buckles, coloured and creased ... ..	0 4 4½	2 9 1

Employers to supply rosette lays and fringes.

## SLIP HEADS FOR WEYMOUTH BRIDLES.

	Each.	Billeted— Per doz.	Preparing. To sew on— Each.	Per doz.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Best quality, stitched twelve to inch, head lined and machine-sewn, one loop before and two loops behind buckles, edged coloured and creased ... ..	0 2 1½	1 4 0	0 1 1½	0 12 1½
Second quality, stitched ten to inch, head lined and machine-sewn, one loop before and two loops behind buckles, edged coloured and creased ... ..	0 1 7½	0 17 7	0 0 9½	0 8 9

## SEWING INTO BITS (INCLUDING SKIVING AND PRICKING).

	Slip Heads. Each.	Snaffles. Each.	Pelham. Each.
	£ s. d.	£ s. d.	£ s. d.
Best quality ... ..	0 0 9	0 1 5½	0 2 3½
Second quality ... ..	0 0 6½	0 1 1½	0 1 7
Third quality ... ..	...	0 0 10½	0 1 5
Common quality ... ..	...	0 0 9	0 1 1½

## FRONTS.

	£ s. d.	Per dozen.
	£ s. d.	£ s. d.
Plain or patent leather, hackney, three rows stitched twelve to inch double-hand, edged coloured and creased ... ..	0 0 8½	0 6 6
Do., two rows stitched ten to inch single hand, edged coloured and creased ... ..	0 0 5½	0 4 4½
Do., two rows stitched eight to inch single hand, coloured and creased ... ..	0 0 4½	0 3 2½
Inlaid, two beads, machine sewn, coloured and creased ... ..	0 1 5½	0 15 7½
Do., one bead, machine sewn, coloured and creased ... ..	0 1 3½	0 13 2½
Do., fancy, two colours, machine sewn, coloured and creased ... ..	0 1 1½	0 11 1
Do., plain, one colour, machine sewn, coloured and creased ... ..	0 0 9½	0 8 9
Draught stallion, fancy inlaid, two or more colours, machine sewn, coloured and creased ... ..	0 1 1½	0 11 1
Do., stallion, plain inlaid, one colour, machine sewn, coloured and creased ... ..	0 0 9½	0 8 9

## THROAT-BANDS.

	£ s. d.	Per dozen.
	£ s. d.	£ s. d.
Best quality, machine sewn point, one loop and sliding loop, stitched twelve to inch, edged coloured and creased ... ..	0 0 6½	0 5 10½
Do., if with single point ... ..	0 0 5½	0 4 11½
Second quality, single point, one loop and sliding loop, stitched ten to inch, top edge off, coloured and creased ... ..	0 0 4½	0 3 10½
Third quality, single point, one loop and sliding loop, stitched eight to inch, coloured and creased ... ..	0 0 3½	0 2 10

With 10 per cent. deducted.

## SCHEDULE No. IV.—BRIDLE PIECE-WORK—continued.

BRIDLE REINS.	Per pair.			Per dozen pairs.		
	£	s.	d.	£	s.	d.
Best quality, billeted, one loop in front and two behind buckles, stitched twelve to inch, edged coloured and creased	0	1	7½	0	17	7
Second quality, billeted, one loop in front and two behind buckles, stitched ten to inch, edged coloured and creased	0	1	5½	0	15	7½
Do., but stitched nine to inch, and top edges off, coloured and creased	0	1	4	0	13	2½
Third quality, billeted, one loop in front and one behind buckles, stitched eight to inch, coloured and creased	0	1	1½	0	11	8
Common quality, billeted, one loop in front and one behind buckles, stitched seven to inch, coloured and creased	0	0	9½	0	8	9
Common quality, billeted, one loop in front and one behind buckles, stitched six to inch, creased only	0	0	8½	0	7	2½

LEAD REINS.	Each.			Per Dozen.		
	£	s.	d.	£	s.	d.
Best leather lead rein, billet laid on, one loop in front and one behind buckle, turned back and spliced 2½ inches to form hand loop, stitched nine to inch, edged coloured and creased	0	1	4½	0	14	9½
Common leather lead rein, turn back billet with loop behind buckle, turned back and spliced 2½ inches to form hand loop, stitched eight to inch, coloured and creased	0	0	11½	0	9	8½
Best web lead rein, billet laid on, one loop in front and one behind buckle, stitched nine to inch, leather around web 3 inches long stitched three rows to form hand loop, edged coloured and creased	0	1	7½	0	17	7
Best rope lead rein, billets laid on, one loop in front and one behind buckle, stitched seven to inch, strands of rope to be fixed and lapped to buckle, end of rope to be bound with leather 3 inches long, stitched eight to inch, edged coloured and creased	0	1	7½	0	17	7
Head collar handle for stable use, strands of rope to be fixed and lapped to buckle, no loop in front of buckle, stitched three rows six to inch, end of rope to be bound with black wax thread	0	0	11½	0	9	8½

PILLAR REINS.	Per pair.			Per dozen pairs.		
	£	s.	d.	£	s.	d.
Rounded and grooved, rounding not to exceed 3 feet, with hook and billet, one loop in front and one behind buckle, stitched nine to inch, edged coloured and creased	0	11	1	5	18	3
Do., if with hook at each end	0	8	9	4	12	1
Flat, with hook and billet, one loop in front and one behind buckle, stitched nine to inch, edged coloured and creased	0	2	3	1	4	0
Do., if with hook at each end	0	1	5½	0	15	7½
Flat, made martingale style, with two sliding loops and hooks, stitched nine to inch, edged coloured and creased	0	1	1½	0	11	1
Rope with hook each end, rope fixed and lapped to hooks, buff or leather chapes 2½ inches long stitched three rows eight to inch, edged coloured and creased	0	2	7½	1	6	3

HAND PARTS FOR DRIVING REINS.						
Best quality, stitched twelve to inch, edged, coloured and creased	0	1	1½	0	11	1
Second quality, stitched ten to inch, top edges off, coloured and creased	0	0	9	0	7	10½
Third quality, stitched eight to inch, coloured and creased	0	0	6½	0	5	10½

POLO CAVESSON NOSEBAND.						
	Each.					
	£	s.	d.	£	s.	d.
Plain head, cheek, noseband, and back strap sewn into ring, back of noseband to buckle both sides, two loops behind each buckle, stitched twelve to inch, edged coloured and creased	0	3	10½			
Do., if back of noseband to buckle one side, one loop behind each buckle and two sliding loops	0	3	2½			
Plain head and cheek turned back to form loop for noseband, back of noseband to buckle both sides, two loops behind each buckle, buckle loop and slide loop on cheek stitched twelve to inch, edged coloured and creased	0	2	1½			
Do., if noseband in one piece, with buckle loop and slide loop	0	1	7½			
If any of above with centre of noseband lined and hand stitched, extra as per scale for preparing, stitching, and finishing strapping, on page 2387.						

With 10 per cent. deducted.



SCHEDULE No. IV.—BRIDLE PIECE-WORK—*continued*.

CAVESSON HEAD-STALL.		Each.	
		£ s. d.	
Head split, with chape on centre for face strap, throat-band to buckle both sides, cheeks, noseband-points and face strap sewn to noseplate, plain front with loop in centre for face strap, leather noseband spot stitched in and fixed to plate with three loops, stitched double-hand black wax seven to inch, coloured and creased	...	0 7 10½	
HEAD COLLARS.		Each.	Per dozen.
		£ s. d.	£ s. d.
Best Albert, with round throat-band face stitched, lined cheeks and stays three rows stitched nine to inch, to buckle both sides, no front, edged coloured and creased	...	0 11 11½	6 11 6
Second quality Albert, with round throat-band face stitched, lined cheeks and stays two rows stitched eight to inch, to buckle both sides, no front, edged coloured and creased	...	0 8 9	4 14 7
Third quality Albert, with round throat-band grooved, lined cheeks and stays two rows stitched seven to inch, to buckle both sides, no front, top edge off, coloured and creased	...	0 6 7½	3 11 1
Fourth quality Albert, with flat throat-band, single cheeks, and lined stays two rows stitched six to inch, to buckle one side, no front, coloured and creased	...	0 4 4½	2 8 2
Newmarket, loose throat-band, single cheek, plain front, lined stays two rows stitched six to inch, to buckle one side, coloured and creased	...	0 3 10½	2 1 11
Draught, extra heavy, round throat-band grooved, lined cheeks and stays two rows stitched six to inch, to buckle both sides, no front, head points lined and machine-sewn, coloured and creased	...	0 8 9	4 14 7
Bull—Five rings, buckle both sides, cheeks lined, nose splices 2½ inches long with three rows of stitching, cross-strap splices 1½ inches long with two rows of stitching, two buckles chapes and loops, stitched double-hand seven to inch, coloured and creased	...	0 4 0½	2 4 0
Cow—Ditto	...	0 3 10½	2 1 11
Calf—Ditto	...	0 3 5½	1 16 11

BREAKING TACKLE.		Each.
	£ s. d.	
Stitched six to inch black wax double handed, coloured and creased all through.		
Roller, single leather to buckle both sides, four straps, pad 16 inches long spot stitched, one dee on each side for reins, one buckle and chape on each side for side-reins, strap buckle and crupper dee in centre, one loop in each chape, two cross-loops in girth	0 11 1	
Bridle, plain head and front, loose throat-band, turn-back billets in cheeks and side reins, one loop behind buckles, points of side-reins punched	0 3 2	
Crupper, one loop and one cross-loop behind buckle, flat dock, buckle and chape one side	0 2 3	
	£0 16 6	

If roller made with two straps instead of four straps, a deduction of 2s. 3d.

ENTIRE BRIDLES.		Each.
Best draught bridle, round double cheeks, billets laid on, one loop in front of buckles only, cheeks joined with rosettes, round throat-band with one loop behind buckles, three-strap head, no front, including making four rosettes (two for cheek with loops for cheeks to run through, and two for head to be spot stitched and fixed on), outside row on rosettes hand-stitched, stitched nine to inch throughout, edged coloured and creased	1 2 0	
Best draught bridle, flat, with lined swelled cheeks, billets laid on, one loop in front of buckles only, three-strap head, no front, two buckles at top of cheeks and one at bit, cheeks inlaid with coloured leather, machine-sewn, two rosettes, to be spot stitched and fixed on head, outside row on rosettes to be hand-sewn, stitched nine to inch throughout, edged coloured and creased	0 11 1	
Do., if patent leather lined and machine-sewn, buckles billets and loops stitched nine to inch	0 11 1	
Second quality draught bridle, flat, with plain swelled cheeks, one buckle at top of cheek and one at bit, billets laid on, stitched seven to inch, two-strap head, no front, coloured and creased	0 4 4	

With 10 per cent. deducted.

## SCHEDULE No. IV.—BRIDLE PIECE-WORK—continued.

## ENTIRE BRIDLES—continued.

	Each.	£	s.	d.
Best blood bridle, round double cheeks, billets laid on, loop in front of buckle only, round throat-band, one buckle at top of cheek and two at bit, stitched nine to inch, two-strap head lined and machine-sewn, no front, two fancy rosettes to be made and stitched to front, edged coloured and creased ...	0 15 7½			
Second quality blood bridle, flat, with lined swelled cheeks machine-sewn, one buckle at top of cheek and one at bit, billets laid on, one loop in front and one loop behind buckle, throat-band to buckle both sides, stitched nine to inch, split head, points lined and machine-sewn, no front, two rosettes spot stitched and fixed, coloured and creased ...	0 4 4½			

## ENTIRE TACKLING.

Round, with bearing rein to buckle both sides, two rings, billets laid on, one loop in front and one loop behind buckles, roundings grooved, centre with four running loops, side rein lined point 18 inches long, stitched eight to inch throughout, edged coloured and creased ...	0 14 2½			
Flat, with bearing rein, to buckle both sides, two rings, billets laid on, one loop in front and one loop behind buckles, centre with four running loops, side rein plain, stitched eight to inch throughout, edged coloured and creased ...	0 4 4½			

## ENTIRE ROLLERS.

	Each.	Per quarter dozen.	£	s.	d.	£	s.	d.
Best six strap, patent leather top piece machine-sewn, ends and cross-pieces stitched eight to inch, six crossed-bar creased loops, binding on pad stitched eight to inch, chapes side and top loops stitched six to inch, 24 tufts in pads, edged coloured and creased ...	1 9 8	4 3 5						
Do., if three strap ...	1 5 4	3 10 2						
Second quality, six strap, patent leather top piece, also ends and cross-pieces machine-sewn, four crossed-bar creased loops, binding on pad stitched seven to inch, sixteen tufts in pads, chapes side and top loops stitched six to inch, edged coloured and creased ...	1 2 11	3 5 10						
Do., if three strap ...	0 13 5½	2 12 6						
Best four strap, no top piece, end and cross-pieces machine-sewn, four crossed-bar creased loops, binding on pad stitched nine to inch, sixteen tufts in pads, chapes side and top loops stitched six to inch, edged coloured and creased ...	0 19 5½	2 16 1						
Do., if two strap ...	0 16 6	2 5 10						

With 10 per cent. deducted.

## STABLE ROLLERS.

Best two strap, ends and cross-pieces machine-sewn, binding on pads stitched eight to inch, sixteen tufts in pads, two crossed-bar creased loops, chapes and loops stitched six to inch, edged coloured and creased ...	0 9 8½				
Second quality, two strap, ends and cross-pieces machine-sewn, pads 14 inches long, binding on pads stitched seven to inch, twelve tufts in pads, one crossed-bar creased loop, one loop in each chape, chapes and loop stitched six to inch, coloured and creased ...	0 7 10½				
Third quality, one-strap, ends and crosspieces machine sewn, pads 14 inches long, binding on pads machine sewn, six tufts in pads, one crossed-bar loop, one loop in each chape, chapes and loops stitched six to inch, coloured and creased ...	0 4 4½	2 5 10			

## MARTINGALES.

	Each.	Per dozen.	£	s.	d.	£	s.	d.
Best standing, single leather, flat-billets with one loop in front and one behind buckle, neck-strap with centre loop, loop behind buckle and, sliding loop, stitched twelve to inch, edged coloured and creased ...	0 3 2½	1 15 2						
Do., if with rings instead of billets ...	0 2 8½	1 9 8						
Do., with loop for noseband to run through ...	0 2 1½	1 4 0						
Best ordinary, with round neckstrap and split part, single point with loop behind buckle, stitched twelve to inch, edged coloured and creased ...	0 5 4	2 19 5						
Do., if flat ...	0 2 8½	1 9 8						
Second quality ordinary flat, stitched ten to inch, edged coloured and creased ...	0 2 5½	1 6 3						
Do., but stitched nine to inch, top edges off, coloured and creased ...	0 2 0	1 2 0						
Third quality ordinary flat, stitched eight to inch, coloured and creased ...	0 1 5½	0 15 7½						

## SCHEDULE No. IV.—BRIDLE PIECE-WORK—continued.

	Each.			Per dozen.		
	£	s.	d.	£	s.	d.
<b>BREASTPLATES AND MARTINGALES.</b>						
Best quality, lined, stuffed, and stitched thirteen to inch, buckles on sides, plain wither straps, stitched 2 inches twelve to inch into rings, two loops behind buckles, lined safe under breast-ring, breast strap stitched 8 inches long with inside rows fancy false stitched, split part lined, stuffed, and stitched thirteen to inch, one loop in front and two behind buckles, billet stitched on twelve to inch with two loops behind buckles, edged coloured and creased ...	1	5	4	...	—	—
Do., if machine-sewn ...	0	11	1	...	—	—
Best quality web, with nine 2-in. chapes and one 3½-in. chape single safe for breast dee, girth part lined and machine-sewn, web split part with one loop in front and two loops at back of buckle, wither-straps stitched into rings, two loops at back of buckle stitched twelve to inch double-hand, edged coloured and creased ...	0	7	10½	...	4	3 5
Do., if with buckles and points to breast strap ...	0	8	9	...	4	16 7
Best quality, single leather, buckles on sides, plain safe 3½ inches of stitching, rings stitched in three rows, wither-strap stitched into rings with two loops behind buckles, split part one loop in front and two behind buckle, stitched single-hand twelve to inch throughout, edged coloured and creased ...	0	5	10½	...	3	8 2
Second quality, ditto, but stitched ten to inch, edged coloured and creased ...	0	4	11½	...	2	14 5
Do., but stitched nine to inch, top edges off, coloured and creased	0	4	0½	...	2	4 9
Third quality, ditto, but stitched eight to inch, coloured and creased ...	0	3	8½	...	2	0 5
Common quality, ditto, but stitched seven to inch, coloured and creased ...	0	3	2½	...	1	15 2

**WITHER STRAPS.**

	Each.			Per dozen.		
	£	s.	d.	£	s.	d.
Wither straps for hunting breastplates, made lame-strap fashion, with three loops and sliding loop, turn 1½ inch long—	0	0	6½	...	0	5 10½
Best, stitched twelve to inch, edged coloured and creased ...	0	0	6½	...	0	5 4
Second quality, stitched ten to inch, edged coloured and creased	0	0	5½	...	0	4 11½
Do., but stitched nine to inch, top edges off, coloured and creased	0	0	4½	...	0	3 10½
Third quality, stitched eight to inch with two loops and sliding loop, coloured and creased ...	0	0	4½	...	0	3 10½

**SURCINGLES.**

	Each.			Per dozen.		
	£	s.	d.	£	s.	d.
Best, leather, Queensland or Spanish, stitched eleven to inch, bevelled under centre, edged coloured and creased ...	0	2	8½	...	1	9 9
Second quality, leather, Queensland or Spanish, stitched eight to inch, top edges off, coloured and creased ...	0	2	3	...	1	2 0
Best, leather, ordinary, stitched eleven to inch, two cross loops and loop at buckle, bevelled, edged coloured and creased ...	0	1	9½	...	0	19 6½
Second quality, leather, ordinary, stitched eight to inch, two cross loops and loop at buckle, coloured and creased ...	0	1	3½	...	0	13 6
Best, web, stitched eleven to inch, three cross loops, loop at buckle, edged coloured and creased ...	0	1	7½	...	0	17 6
Second quality, web, stitched eight to inch, two cross loops and loop at buckle, top edges off, coloured and creased ...	0	1	1½	...	0	12 1
Common, web, stitched six to inch, one cross loop and loop at buckle, coloured and creased ...	0	0	9	...	0	7 9½

**CRUPPERS.**

	Each.			Per dozen.		
	£	s.	d.	£	s.	d.
Best, round dock, buckle at dock, stitched twelve to inch, edged coloured and creased ...	0	2	4½	...	1	7 4
Do., no buckle at dock ...	0	2	2½	...	1	5 2
Second quality, round dock, buckle at dock, stitched ten to inch, top edges off, coloured and creased ...	0	2	0	...	1	3 1
Do., if no buckle at dock ...	0	1	10½	...	1	0 11
Third quality, round dock, buckle at dock, stitched eight to inch, no edges off, coloured and creased ...	0	1	7½	...	0	18 5½
Do., if no buckle at dock ...	0	1	5½	...	0	16 5½
Best, flat dock, buckle at dock, stitched ten to inch, edged coloured and creased ...	0	1	5½	...	0	16 5½
Second quality, flat dock, buckle at dock, stitched nine to inch, top edge off, coloured and creased ...	0	1	1½	...	0	12 1
Second quality, flat dock, buckle at dock, stitched eight to inch, coloured and creased ...	0	0	11½	...	0	9 8½
Third quality, flat dock, no buckle at dock, stitched seven to inch, coloured and creased ...	0	0	9½	...	0	8 9

With 10 per cent. deducted.

## SCHEDULE No. IV.—BRIDLE PIECE-WORK—continued.

## GIRTHS.

Chapes for web girths to be cut out for workman.

	Per pair.				Per dozen pairs.		
	£	s.	d.		£	s.	d.
Best, web, buff or bridle-leather chapes, stitched three rows ten to inch, edged coloured and creased ... ..	0	2	2½	...	1	4	5
Second quality, web, bridle-leather chapes, stitched three rows nine to inch, edged coloured and creased ... ..	0	1	10½	...	0	19	6½
Third quality, web, bridle-leather chapes, stitched three rows eight to inch, coloured and creased ... ..	0	1	3½	...	0	13	6
Common, web, bridle-leather chapes, stitched two rows seven to inch, coloured and creased ... ..	0	1	1½	...	0	12	1
Fitzwilliam, girth, binding at each end to be prepared and fixed by workman for machine, two cross loops with four rows of stitching, six chapes each stitched three rows ten to inch, edged coloured and creased ... ..	0	3	10½	...	2	1	9
Police, wool girth, new pattern, including cutting chapes, stitched nine to inch, edged coloured and creased ... ..	0	2	8½	...	1	9	8
Best, leather, stitched ten to inch, eight creased strands, edges off under side of strands only, outside only edged coloured and creased ... ..	Each.	0	2	2½	...	Per dozen.	1 4 5
Second quality, leather, stitched eight to inch, seven creased strands, no edges off strands, outside only edged coloured and creased ... ..	0	1	3½	...	0	13	7½
Queensland, folded centre creased, sliding stays, 3½-in. chapes, stitched eight to inch double-hand, edged coloured and creased ... ..	0	2	0	...	1	2	10
Do., if no edges off, and stitched seven to inch ... ..	0	1	7½	...	0	18	5½
Queensland, folded centre creased, four chapes each 3 inches long, or double chape, stitched eight to inch double-hand, edged coloured and creased ... ..	0	1	10½	...	0	19	5
Do., if with two chapes only ... ..	0	0	11½	...	0	9	8½
Plaited, seven strands, plaited or twisted strands supplied to workman, two cross-bars, chape 4 inches long stitched eight to inch double-hand, edged coloured and creased ... ..	0	3	8½	...	1	19	5

## STIRRUP LEATHERS.

	Per pair.			Per dozen pairs			
Best French pattern, bevelled edges, 2½-in. turn-back, stitched three rows ten to inch, holes numbered ... ..	0	1	5¾ ...	0	15	11½	
Best ordinary, three rows, 2½-in. turn-back, stitched ten to inch, holes numbered, edged coloured and creased ... ..	0	1	2½ ...	0	12	8	
Second quality, three rows, 2½-in. turn-back, stitched eight to inch, holes numbered, coloured and creased ... ..	0	0	11¾ ...	0	9	8½	
Third quality, two rows, 2-in. turn-back, stitched seven to inch, coloured and creased ... ..	0	0	9 ...	0	7	9½	
Common, two rows, 2-in. turn-back, stitched six to inch single hand, coloured and creased ... ..	0	0	6¾ ...	0	5	11	
Best web stirrup-holders, machine-sewn points, 3-in. end chapes stitched double-hand three rows eight to inch ... ..	0	2	2½ ...	1	4	5	
Ladies' best, buckle loop and slide loop stitched nine to inch, edged, coloured and creased ... ..	Each.	0	6¾ ...	Per dozen.	0	5	4
Do., if fast loop only, and stitched double-hand ... ..	0	0	5½ ...	0	4	4½	
Second quality, buckle loop and slide loop stitched eight to inch, coloured and creased ... ..	0	0	5½ ...	0	4	4½	
Do., if fast loop only, and stitched double-hand ... ..	0	0	4½ ...	0	3	2½	

## SADDLE OR VALISE STRAPS.

	If punched and creased by hand		If creased by machine.				If punched and creased by machine.					
	Per dozen.		Per gross.	Per dozen.		Per gross.	Per dozen.		Per gross.			
	s.	d.	s.	d.	s.	d.	s.	d.	s.	d.		
Best, loop behind buckle, 12 stitches, nine to inch, edges coloured ...	1	9½	19	6½	1	7½	17	6	1	5¾	15	7½
Do., if whole buckle and no loop ...	1	7½	17	6	1	5¾	15	7½	1	4	13	1½
Common, loop behind buckle, 8 stitches, edges coloured ...	1	5¾	15	7½	1	4	14	1	1	2½	12	8
Do., if whole buckle and no loop ...	1	4½	13	7½	1	1½	12	1	1	0¾	10	5

With 10 per cent. deducted.

SCHEDULE No. IV.—BRIDLE PIECE-WORK—*continued.*  
LEG STRAPS.

	If punched and creased by hand.		If creased by machine.		If punched and creased by machine.	
	Per dozen. <i>s. d.</i>	Per gross. <i>s. d.</i>	Per dozen. <i>s. d.</i>	Per gross. <i>s. d.</i>	Per dozen. <i>s. d.</i>	Per gross. <i>s. d.</i>
Best, loop behind buckle, 12 stitches, nine to inch, coloured	1 6½	16 7	1 5½	16 1	1 4	13 7½
Do., if whole buckle and no loop	1 4½	14 6½	1 4	13 7½	1 1½	11 8
Common, loop behind buckle, 8 stitches, coloured	1 2½	12 8	1 1½	12 1	1 0½	11 1½
Do., if whole buckle and no loop	1 0½	10 8	0 11½	10 3½	0 10½	8 9

HAT, BELL, AND NECK STRAPS.

	Per dozen. <i>£ s. d.</i>	Per gross. <i>£ s. d.</i>
Hat straps, stitched ten to inch, loop and sliding loop, coloured and creased	0 3 3½	1 15 2.
Do., if leather requires to be split and slicked	0 3 10½	1 19 1
Bell strap, stitched six to inch, black wax thread double-hand, loop behind buckle, and spliced sliding loop, coloured and creased	Each. 0 0 3½	Per dozen. 0 2 3
Neck strap or stall collar, lined back 8 inches, with swivel, one loop behind buckle, stitched six to inch with black wax thread double-hand, coloured and creased	0 1 4	0 13 1½

BALANCE MOUNTS AND SURCINGLES FOR LADIES' SADDLES.

	Stitched 12 to inch, edged coloured and creased. <i>s. d.</i>	Single all through.		
		Stitched 12 to inch, edged coloured and creased. <i>s. d.</i>	Stitched 10 to inch, top edges off, coloured and creased. <i>s. d.</i>	Stitched 8 to inch, coloured and creased. <i>s. d.</i>
Balance, cross strap to ring, lined all through, safe under ring	3 9½	2 7½	With no safe under ring 2 1½	With no safe under ring 1 10
Surcingle, with chape laid on, one loop at buckle, and two cross loops	With lined point 3 1	With single point 2 0	With single point 1 5½	With single point 1 1½
Girth, single leather, one loop at buckle and two cross loops	1 10	1 7½	1 5½	1 1½
Stirrup-leather, with loop, or sewn into stirrup	0 5½	0 5½	0 3½	0 3½
	14 2½	6 8½	5 4½	4 4½
Balance, straight strap from cantle, lined all through	2 11½	0 3½	0 3½	0 3½
Surcingle	3 1	2 0	1 5½	1 1½
Girth	1 9½	1 7½	1 5½	1 1½
Stirrup-leather	0 5½	0 5½	0 3½	0 3½
	8 3½	4 4½	3 6½	2 10

With 10 per cent. deducted.

DOG COLLARS.

	Single Hand—		Double Hand—	
	Each. <i>s. d.</i>	Per dozen. <i>s. d.</i>	Each. <i>s. d.</i>	Per dozen. <i>s. d.</i>
Dog collar, with dee and buckle, one loop, turn-down not to exceed 3 inches, stitched eight to inch, coloured and creased	0 6½	4 4½	0 7½	5 4
Do., if with turn-down 6 inches long	0 7½	5 4	0 9	6 6
Riveting plate on dog collar, no stitching	0 0	2½	0 0	1 7½

MUZZLES AND NOSEBAGS.

	Each.	Per dozen.
Dog muzzle, punched leather nose stitched eight to inch, all straps riveted, running loop on collar, coloured and creased	0 2 3	1 4 0
Do., if with wire nose	0 0 11½	0 9 8½
Horse muzzle, blocked solid leather in two or three pieces, lays grooved and stitched five to inch, cheek and head-piece stitched into squares eight to inch, throat-band one loop and sliding loop, plain front, holes punched, nostril holes cut, stitched black wax double hand, coloured and creased	Each. 0 11 1	Per dozen. 0 12 1½
Do., if bound top	0 12 1½	
Do., if flat bottom, solid leather, back seam lapped and bottom stitched six to inch	0 6 7½	

SCHEDULE No. IV.—BRIDLE PIECE-WORK—*continued.*MUZZLES AND NOSEBAGS—*continued.*

	Each.	Per dozen.
	£ s. d.	£ s. d.
Horse muzzle, strapped, four bars round nose and four crossbars all riveted two of these crossbars to form cheek and head, riveted to solid leather at bottom, throat-band front and cheek buckles and loops stitched seven to inch double-hand with black wax thread, coloured and creased ...	0 2 10	0 2 10
Nose bag, canvas, leather lined top and bottom machine sown, with solid leather bottom stitched four to inch, head strap and cheek stitched six to inch, strap to buckle round top of bag to be sewn in with cheek, buckle and loop in cheek, all sewn double hand with black wax thread ...	0 2 2½	1 4 0

## HOBBLES AND HOBBLE STRAPS.

	Per pair.	Per dozen pairs.
	£ s. d.	£ s. d.
Hobbles, padded, folded pad with solid piece under buckle machine sewn, buckle loop and chain stitched to pad 8 inches double-hand with black wax thread six to inch, coloured and creased ...	0 2 2½	1 4 0
Do., with pad folded to form safe, stitched four to inch double-hand with black wax thread, raced or creased only ...	0 1 5½	0 15 11½
Hobble straps, double, riveted at whole buckle and point, raced or creased only ...	0 3 2½	1 15 2
Hobble straps, single, riveted at whole buckle, raced or creased only ...	0 2 2½	1 4 0
Do., with chain riveted through 3-ply ...	0 3 10½	2 1 5

## KNEECAPS.

	Per pair.	Per dozen pairs.
	£ s. d.	£ s. d.
Kneecaps, padded top stitched eight to inch, four cross rows strap chape and buckle on top, and strap chape buckle and loop below, edged coloured and creased, caps to be blocked and kersey to be bound by employer ...	0 5 10½	3 5 10
Kneecaps, plain, all machine-sewn except two straps chapes and loops, coloured and creased; caps to be blocked and kersey to be bound by employer ...	0 1 1½	0 12 1

## SADDLE BAGS.

	Each.	Per dozen.
	£ s. d.	£ s. d.
Saddle bags, 12 x 8 inch, two straps stitched on each to run through dees on saddle, with two sliding loops, two cross loops on flap, with two rows of stitching each side, two chapes in front, gusset hand-stitched, all stitched eight to inch, edged coloured and creased ...	0 5 4	2 19 5
Do., if welted gusset ...	0 5 4	2 19 5
Do., if machine-sewn gusset ...	0 2 10	1 9 8

## BELT AND WATCH POUCHES.

	Each.	Per dozen.	Each.	Per dozen.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Belt pouch, double pocket, two loops on back, one stud in front, all stitched eight to inch, straight soft leather gusset machine-sewn, edged coloured and creased ...	0 9	6 6	0 6½	4 9½
Do., if single pocket ...	0 7½	5 4	0 5½	3 10½
Watch pouch (lined with chamois machine-sewn), solid gusset, stitched both sides nine to inch, one inch loop at back, two vees cut and closed in cover, stud and tab in front, coloured and creased ...	2 0	19 6½	1 7½	15 7½
Do., but stitched seven to inch ...	1 9½	17 6	1 5½	13 1½
Do., but stitched five to inch ...	1 7½	15 7½	1 3½	11 1½
Do., if not lined, and stitched seven to inch ...	1 7½	15 7½	1 3½	11 1½
Do., but stitched five to inch ...	1 4½	12 1	1 1½	8 9
Do., if blocked front, not lined, stitched eight to inch ...	1 1½	11 1½	—	—

## STRAPPING HORSE CLOTHING.

	Each.
	£ s. d.
Strapping four-piece horse clothing, stitching two straps in heart, heart to be stitched on to counter, strap chape and buckle on breast girth, two chapes buckles and loops on breast piece, strap buckle and loop on hood, pad cloth to be prepared for machine by workman, stitched eight to inch throughout, edged coloured and creased ...	0 7 9½
Do., if heart machine-sewn ...	0 6 7½
Do., if two-piece, strap chape buckle and loop on counter and hood, stitched eight to inch ...	0 2 8½
Strapping counter only, strap chape buckle and loop stitched eight to inch, edged coloured and creased ...	0 2 1½
Do., if stitched seven to inch, coloured and creased ...	0 1 7½

With 10 per cent. deducted.

SCHEDULE No. IV.—BRIDLE PIECE-WORK—*continued.*

## LEGGINGS (CUTTING AND MAKING COMPLETE EXCEPT MACHINING)

Stitching to be seven to inch where hand-stitched, no edges off, coloured and creased.

## PUTTEE.

	Solid leather, stitched nine to inch.		Hogskin, stitched ten to inch.	
	Plain.	Bound top, machine sewn.	Plain.	Bound top, machine sewn.
	Per pair. s. d.	Per pair. s. d.	Per pair. s. d.	Per pair. s. d.
If with V seam, 3½ inches from top ...	4 9	5 1	5 1	5 4
If seamed up back ...	5 10½	6 2	6 2	6 7½
If blocked ...	6 11	7 4	7 4	7 9½

If one side (4½d.) and bottom (4½d.) are lined, add 8½d. per pair.

If both sides (8½d.) and top and bottom (8½d.) are lined, add 1s. 5d. per pair.

## WITH STRAPS AND BUCKLES.

	Straps and buckles hand-stitched.						Straps and buckles riveted with bifurcated or tubular rivets.*					
	Single welt, hand-stitched backs.		Lapped backs.				Single welt, hand-stitched backs.		Lapped backs.			
			One row, hand- stitched.		Machine-sewn.				One row hand- stitched.		Machine-sewn.	
Per pair.	Per dozen pairs	Per pair.	Per dozen pairs.	Per pair.	Per dozen pairs.	Per pair.	Per dozen pairs.	Per pair.	Per dozen pairs.	Per pair.	Per dozen pairs.	
	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	
4 straps...	3 1	31 9	3 5½	35 10	2 4½	25 4	2 4½	25 4	2 8½	29 8	1 9½	18 5½
5 straps...	3 5½	36 0	3 6½	40 4	2 8½	29 8	2 7½	27 3	3 1	31 7	2 0	20 10
straps...	3 7½	40 4	4 0½	44 9	3 2½	34 1	2 8½	29 8	3 2½	34 1	2 3	22 10
* If any of above with copper rivets, 4d. per pair, or 3s. 2½d. per dozen pairs extra.												

\* If any of above with copper rivets, 4d. per pair, or 3s. 2½d. per dozen pairs extra.

## WITH BOX SPRINGS SEWN IN BY MACHINE.

	Welted backs.		Lapped backs.			
	Single welt, hand-stitched.		One row, hand-stitched.		Machine sewn.	
	Per pair. s. d.	Per dozen pairs. s. d.	Per pair. s. d.	Per dozen pairs. s. d.	Per pair. s. d.	Per dozen pairs. s. d.
No buckle ...	2 1½	20 11	2 4½	25 4	1 7½	14 6½
1 buckle ...	2 4½	25 4	2 10	29 8	2 0	18 5½
2 buckles ...	2 10	29 8	3 2½	34 1	2 3	22 10

## Extras to all Leggings.

	Per pair.	Per dozen pairs.
Heel-pieces 3 inch x 2 inch, hand-stitched seven to inch	6½d.	5s. 10½d.
Toe-pieces, hand-stitched seven to inch	9d.	7s. 9½d.

If heel or toe-pieces machine-sewn, preparing to be done by workman.

If bifurcated or tubular rivet in top and bottom of seam required no extra charge to apply to all leggings.

## DRIVING CUSHIONS.

## Round or Square.

	Each.
Not over 17 inches, hole in centre not over 3 inches, outside gusset 2½ inches, inside gusset 1½ inch, solid leather bottom, top welted to gusset four to inch, stitched to bottom seven to inch, all double-hand, stuffed, edged, and coloured ...	9 8½
Not over 17 inches, hole in centre not over 3 inches, outside gusset not over 2½ inches, machine-sewn, edges of centre hole hand-stitched together without gusset six to inch, stuffed ...	3 2½

With 10 per cent. deducted.

## SCHEDULE No. V.

## HORSE COLLARS.—PIECE-WORK.

If side-pieces are hand stitched extra as per scale for strapping, on page 2887.

## STANDARD SIZES ALL COLLARS.

Length.	Width (to be inside measurement of rim).	
	On bottom.	On top.
Not over 16 inches	7½ inches	5 inches
Over 16 to 17 " ...	7½ "	5½ "
Over 17 to 18 " ...	8 "	5½ "
Over 18 to 19 " ...	8½ "	6 "
Over 19 to 20 " ...	9 "	6½ "
Over 20 to 21 " ...	9½ "	7 "
Over 21 to 22 " ...	10 "	7½ "

When over the above-mentioned measurements—

For every inch or fraction thereof.

	£	s.	d.
In length—if over 22 inches ...	extra	0	0 10½
In width—top measurement ...	"	0	0 10½
bottom measurement ...	"	0	0 10½

In each case this extra amount to be divided equally between rim-maker and body-maker.

## DRAY (STANDARD SIZES).

Best full pipe with or without cap-piece on side-piece, side-pieces machine-sewn, preparing side-pieces to include preparing and sewing in two chapes and two straps.—Rim, 7s. 0½d.; body, 5s. 10½d.; preparing side-pieces and preparing and sewing on chapes and straps to same, 2s. 0½d.; side-piecing and finishing, 2s. 2½d. ...	0	17	2
Best half-pipe with or without cap-piece on side-piece, side-pieces machine-sewn, preparing side-pieces to include preparing and sewing in two chapes and two straps.—Rim, 5s. 3d.; body, 5s. 3d.; preparing side-pieces and preparing and sewing on chapes and straps to same, 2s. 0½d.; side-piecing and finishing, 2s. 2½d. ...	0	14	9
Best round throat with or without cap-piece on side-piece, side-pieces machine-sewn, preparing side-pieces to include preparing and sewing in two chapes and two straps.—Rim, 4s. 4½d.; body, 4s. 11½d.; preparing side-pieces and preparing and sewing on chapes and straps to same, 2s. 0½d.; side-piecing and finishing, 2s. 2½d. ...	0	13	7
In either of above collars { Preparing sidepieces and preparing and sewing on chapes	1	1	11
if given out one dozen { and straps to same ...	1	4	5
at one time { Side-piecing and finishing ...			

Extra.

If basil-lined, extra 10½d., to body price only.

## PLOUGH (STANDARD SIZES).

Half-pipe, rim turned down 2½ inches, 40-in. cloth, 6½-in. side-pieces machine-sewn, one strap, buckle, and chape.—Rim, 4s. 9½d.; body, 4s. 8d.; preparing side-pieces and preparing and sewing in chape and strap, 1s. 7½d.; side-piecing and finishing, 1s. 8½d. ...	0	12	9½
Round throat, rim turned down 2½ inches, 40-in. cloth, 6½-in. side-pieces machine-sewn, one strap, buckle, and chape.—Rim, 4s. 0½d.; body, 4s. 4½d.; preparing side-pieces and preparing and sewing in chape and strap, 1s. 7½d.; side-piecing and finishing, 1s. 8½d. ...	0	11	9
If with extra strap, buckle, and chape, extra ...	0	0	3½
In either of above collars { Preparing sidepieces and preparing and sewing on chape	0	16	9½
if given out one dozen { and strap ...	0	19	2
at one time { Side-piecing and finishing ...			

## VAN (STANDARD SIZES).

Full pipe, rim turned down 2 inches, body basil-lined 8 inches wide, side-pieces machine sewn 6½ inches widest part, one strap sewn on body.—Rim, 7s. 2½d.; body, 6s. 1d.; preparing side-pieces and preparing and sewing in chape and strap, 1s. 7½d.; side-piecing and finishing, 2s. 3d. ...	0	17	2
Half-pipe, do.—Rim, 5s. 4d.; body, 5s. 7½d.; preparing side-pieces and preparing and sewing in chape and strap, 1s. 7½d.; side-piecing and finishing, 2s. 3d. ...	0	14	10
Round throat, do.—Rim, 4s. 6½d.; body, 5s. 2½d.; preparing side-pieces and preparing and sewing in chape and strap, 1s. 7½d.; side-piecing and finishing, 2s. 3d. ...	0	13	7½
In either of above collars { Preparing side-pieces and preparing and sewing in chape	0	17	7
if given out one dozen { and strap ...	1	4	5
at one time { Side-piecing and finishing ...			

With 10 per cent. deducted.



SCHEDULE No. V.—HORSE COLLARS, PIECE-WORK—*continued*.

## SPRING CART (STANDARD SIZES).

Full pipe, rim turned down $1\frac{1}{2}$ inches, body basil lined $7\frac{1}{2}$ inches wide, sidepiece 5 inches widest part, lapped top, sidepieces machine sewn, close or open sides, one strap, buckle, and chape.—Rim, 7s. $2\frac{1}{2}$ d.; body, 6s. 1d.; preparing sidepieces and preparing and sewing on chape and strap, 1s. $1\frac{1}{2}$ d.; sidepiecing and finishing, including backing, 2s. $2\frac{1}{2}$ d.	£	s.	d.
Half-pipe, do.—Rim, 5s. $5\frac{1}{2}$ d.; body, 5s. $7\frac{1}{2}$ d.; preparing sidepieces and preparing and sewing on chape and strap, 1s. $1\frac{1}{2}$ d.; sidepiecing and finishing, including backing, 2s. $2\frac{1}{2}$ d.	0	16	$7\frac{1}{2}$
Round throat, do.—Rim, 4s. $6\frac{1}{2}$ d.; body, 5s. 4d.; preparing sidepieces and preparing and sewing on chape and strap, 1s. $1\frac{1}{2}$ d.; sidepiecing and finishing, including backing, 2s. $2\frac{1}{2}$ d.	0	14	5
In either of above collars if given out one dozen at one time—sidepiecing and finishing, including backing	0	13	$2\frac{1}{2}$
	1	2	0

## DEDUCTION ON VAN OR SPRING CART.

If cloth lined and hair or flock faced, from body price a deduction of	...	0	0	5
If cloth lined, from body price a deduction of	...	0	0	$10\frac{1}{2}$

## GIG, PLAIN LEATHER (STANDARD SIZES).

Full pipe, rim turned down $1\frac{1}{2}$ inches, body basil lined $6\frac{1}{2}$ inches wide, sidepieces bound or turned in machine sewn not to exceed 5 inches, housing or lapped top, one strap, buckle, and chape.—Rim, 6s. 9d.; body, 6s. 1d.; preparing sidepieces (including housing) and preparing and sewing on chape and strap, 1s. $7\frac{1}{2}$ d.; sidepiecing and finishing, including backing, 2s. $2\frac{1}{2}$ d.	£	s.	d.
Half-pipe, do.—Rim, 5s. 3d.; body, 5s. 4d.; preparing sidepieces (including housing) and preparing and sewing on chape and strap, 1s. $7\frac{1}{2}$ d.; sidepiecing and finishing, including backing, 2s. $2\frac{1}{2}$ d.	0	16	8
Round throat, do.—Rim, 4s. $4\frac{1}{2}$ d.; body, 5s. $0\frac{1}{2}$ d.; preparing sidepieces (including housing) and preparing and sewing on chape and strap, 1s. $7\frac{1}{2}$ d.; sidepiecing and finishing, including backing, 2s. $2\frac{1}{2}$ d.	0	14	5
If rim is capped, 5d. to be taken off rim price, and 5d. to be added to sidepiece price.	0	13	$2\frac{1}{2}$
In either of above collars if given out one dozen at a time—sidepiecing and finishing, including backing	1	2	0

## CARRIAGE, PATENT LEATHER (STANDARD SIZES).

Rim cut  $4\frac{1}{2}$  inches wide, body basil lined not to exceed  $7\frac{1}{2}$  inches in width, sidepieces machine-sewn and bound and turned in not to exceed  $5\frac{1}{2}$  inches in width when finished, bound housing to be prepared by workman, one strap chape and buckle, body to be blacked or cleaned off.

Rim, 6s. $7\frac{1}{2}$ d.; body, 6s. $7\frac{1}{2}$ d.; preparing sidepieces (including housing) and preparing and sewing on chape and strap, 2s. 0d.; sidepiecing and finishing, including backing, 3s. $2\frac{1}{2}$ d.	£	s.	d.
	0	18	$5\frac{1}{2}$

## GIG OR BUGGY, PATENT LEATHER (STANDARD SIZES).

Rim cut  $4\frac{1}{2}$  inches wide, body basil lined not to exceed  $6\frac{1}{2}$  inches in width, sidepieces machine-sewn and bound or turned in not to exceed  $4\frac{1}{2}$  inches in width when finished, bound housing to be prepared by workman, one strap chape and buckle, body to be blacked or cleaned off.

Rim, 6s. 2d.; body, 5s. $8\frac{1}{2}$ d.; preparing sidepieces (including housing) and preparing and sewing on chape and strap, 1s. $7\frac{1}{2}$ d.; sidepiecing and finishing, including backing, 3s. $2\frac{1}{2}$ d.	£	s.	d.
	0	16	$8\frac{1}{2}$

## EXTRAS TO PATENT LEATHER CARRIAGE GIG OR BUGGY

If patent leather body (to bodymaker, 2s. 1d.; to rim-maker, 1s. $1\frac{1}{2}$ d.)	...	0	3	$2\frac{1}{2}$
If pipe, to rim-maker, 2s. 1d.				
If preparing and putting on Prince's wale, 3s. 5d.				

## AMERICAN COACH, EXPRESS OR BUGGY (STANDARD SIZES).

Laced or welted sidepieces, safe with strap on each side, top-piece, two straps, chapes, and buckles; rim not to exceed  $4\frac{1}{2}$  inches, body not to exceed 8 inches, and sidepieces not to exceed 6 inches widest part.

Preparing, putting-up, and making safe and preparing and sewing on chapes and straps	...	0	7	1
Stuffing and finishing	...	0	7	7
		0	14	8

If preparing, putting up, and making safe, given out half-dozen at one time, 38s. 7d. per half-dozen.

If with half-pipe (to be divided—rim-maker,  $10\frac{1}{2}$ l.; body-maker, 9d.), extra. 1s.  $7\frac{1}{2}$ d.

SCHEDULE No. V.--HORSE COLLARS, PIECE-WORK--*continued.*

## AMERICAN, EXTRA HEAVY. (STANDARD SIZES).

Laced side-pieces, safe with strap on each side, one strap chape and buckle on body; rim not to exceed 5 inches, body not to exceed 9 inches, and side-piece not to exceed  $6\frac{1}{2}$  inches widest part:—

	£	s.	d.
Preparing, putting-up, and making safe, 8s. 9d.; stuffing and finishing, 8s. 9d.	0	17	6
If with half-pipe (to be divided—rim-maker, 1s. 2 $\frac{1}{2}$ d.; body-maker, 1s.) extra	0	2	2 $\frac{1}{2}$

## AMERICAN, PATENT LEATHER (STANDARD SIZES).

Welted sidepieces, safe with strap on each side, top-piece, two straps chapes and buckles:—

	£	s.	d.
Preparing, putting-up, and making safe, and preparing and sewing on chapes and straps, 9s. 3d.; stuffing and finishing, 8s. 5d.	0	17	8
If patent-leather body (to be divided—putting-up, 1s. 1 $\frac{1}{2}$ d.; stuffing and finishing, 2s. 1d.) extra	0	3	2 $\frac{1}{2}$
If piped (to be divided—rim-maker, 1s. 2 $\frac{1}{2}$ d.; body-maker, 1s.)	0	2	2 $\frac{1}{2}$

## SCOTCH DRAY (STANDARD SIZES).

Preparing top, three canes spot-stitched in and closed, top bar waved and stitched eight to inch, outside row of sidepiece stitched eight to inch, top not exceeding 16 inches measured along bar from body to point of top	0	13	1 $\frac{1}{2}$
Sidepiecing, splicing breast-piece to sides, two rows stitched eight to inch	0	6	2
Body, including capping of rim and casing of body, quilting three rows in breast from point to point and three rows in top	0	15	10 $\frac{1}{2}$
Rim	0	5	4
	2	0	6
If body tufted extra	0	2	1
If piped, to maker of rim	0	2	2
Chain fronting per foot	0	0	7
Ornaments (circle and knob to be counted as two ornaments) per dozen	0	0	7
Studs, putting in	0	0	7

With 10 per cent. deducted.

## SCHEDULE VI.—WHIPTHONGS (PIECE-WORK).

Any thong not provided for in the following schedule to be paid for at a rate to be mutually agreed upon between employer and workman and based upon schedule rates.

Rolling or tying up, if done by plaiter or cutter, to be charged at rate of 2s. 2½d. per hour.

Extra quality or show work to be paid extra, as per mutual agreement.

SCHEDULE VI.—PIECE-WORK.

	Diameter of Bellies.	4-Plait.		6-Plait.		8-Plait.		10-Plait.		12-Plait.		16-Plait.	
		Plaiting.	Cutting.	Plaiting.	Cutting.	Plaiting.	Cutting.	Plaiting.	Cutting.	Plaiting.	Cutting.	Plaiting.	Cutting.
		Per dozen.	£ s. d.	Per dozen.	£ s. d.	Per dozen.	£ s. d.	Per dozen.	£ s. d.	Per dozen.	£ s. d.	Per dozen.	£ s. d.
1½ yards cart	If above size given in this column extra as per mutual agreement.	0 5 2½	0 1 3½	0 8 2	0 1 6½	0 13 11½	0 2 5½	0 11 8	0 2 0	2 1 11	0 7 7	3 5 4	0 11 11½
" "		0 6 4½	0 1 6½	0 9 10	0 1 10½	0 16 4	0 2 11½	0 13 11½	0 2 5½	2 7 7	0 8 9	3 13 10	0 14 1
" "		0 7 7	0 1 9½	0 11 8	0 2 10	0 18 8½	0 3 6½	0 18 8½	0 3 6½	2 12 6	0 10 3½	4 2 4	0 16 4
" "		0 9 4	0 2 4½	0 13 11½	0 3 1	0 20 11	0 4 9	0 20 11	0 4 9	2 18 3	0 11 3	4 9 6	0 18 8½
2 " "	Not to be lighter than ½ nor heavier than ¾ inch	0 11 8	0 2 4½	0 16 11	0 3 1	0 22 0	0 5 9½	0 22 0	0 5 9½	3 4 3	0 14 1	4 9 6	0 18 8½
" "		0 14 6½	0 2 10	0 19 11	0 3 5½	0 24 0	0 6 0½	0 24 0	0 6 0½	3 10 3	0 15 7½	4 18 0	1 0 10
" "		0 16 4	0 2 10	0 22 0	0 4 9	0 26 0	0 6 10	0 26 0	0 6 10	3 10 3	0 15 7½	4 18 0	1 0 10
" "		0 19 3½	0 3 5½	0 26 0	0 6 10	0 28 0	0 7 7	0 28 0	0 7 7	3 10 3	0 15 7½	4 18 0	1 0 10
2½ yards buggy	Not to be heavier than ¾ inch	0 22 0	0 4 9	0 30 0	0 8 2	0 32 0	0 8 2	0 32 0	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
" "		0 24 0	0 5 9½	0 32 0	0 8 2	0 34 0	0 8 2	0 34 0	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
" "		0 26 0	0 6 0½	0 34 0	0 8 2	0 36 0	0 8 2	0 36 0	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
" "		0 28 0	0 7 7	0 36 0	0 8 2	0 38 0	0 8 2	0 38 0	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
3 feet tandem	Not to be heavier than ¾ inch	0 30 0	0 8 2	0 38 0	0 8 2	0 40 0	0 8 2	0 40 0	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
3 feet 4 horse		0 32 0	0 8 2	0 40 0	0 8 2	0 42 0	0 8 2	0 42 0	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
4 " "		0 34 0	0 8 2	0 42 0	0 8 2	0 44 0	0 8 2	0 44 0	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
5 " "		0 36 0	0 8 2	0 44 0	0 8 2	0 46 0	0 8 2	0 46 0	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
6 " "	Not to be heavier than ¾ inch	0 38 0	0 8 2	0 46 0	0 8 2	0 48 0	0 8 2	0 48 0	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
6½ feet hunting		0 40 0	0 8 2	0 48 0	0 8 2	0 50 0	0 8 2	0 50 0	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
7 " "		0 42 0	0 8 2	0 50 0	0 8 2	0 52 0	0 8 2	0 52 0	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
8 " "		0 44 0	0 8 2	0 52 0	0 8 2	0 54 0	0 8 2	0 54 0	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
8½ feet stock	Not to be heavier than ¾ inch	0 46 0	0 8 2	0 54 0	0 8 2	0 56 0	0 8 2	0 56 0	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
9 " "		0 48 0	0 8 2	0 56 0	0 8 2	0 58 0	0 8 2	0 58 0	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
9½ " "		0 50 0	0 8 2	0 58 0	0 8 2	0 60 0	0 8 2	0 60 0	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
10 " "		0 52 0	0 8 2	0 60 0	0 8 2	0 62 0	0 8 2	0 62 0	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
2 feet Synot stock, plaited bellies	8 feet Synot stock, plaited bellies	0 54 0	0 8 2	0 62 0	0 8 2	0 64 0	0 8 2	0 64 0	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
9 " "		0 56 0	0 8 2	0 64 0	0 8 2	0 66 0	0 8 2	0 66 0	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
9½ " "		0 58 0	0 8 2	0 66 0	0 8 2	0 68 0	0 8 2	0 68 0	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
10 " "		0 60 0	0 8 2	0 68 0	0 8 2	0 70 0	0 8 2	0 70 0	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
6 feet bullock	Not to be heavier than 1 inch	0 62 0	0 8 2	0 70 0	0 8 2	0 72 0	0 8 2	0 72 0	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
7 " "		0 64 0	0 8 2	0 72 0	0 8 2	0 74 0	0 8 2	0 74 0	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
8 " "		0 66 0	0 8 2	0 74 0	0 8 2	0 76 0	0 8 2	0 76 0	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
9 " "		0 68 0	0 8 2	0 76 0	0 8 2	0 78 0	0 8 2	0 78 0	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
10 " "	Not to be heavier than 1 inch	0 70 0	0 8 2	0 78 0	0 8 2	0 80 0	0 8 2	0 80 0	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
11 " "		0 72 0	0 8 2	0 80 0	0 8 2	0 82 0	0 8 2	0 82 0	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
12 " "		0 74 0	0 8 2	0 82 0	0 8 2	0 84 0	0 8 2	0 84 0	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
13 " "		0 76 0	0 8 2	0 84 0	0 8 2	0 86 0	0 8 2	0 86 0	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
14 " "	Not to be heavier than 1 inch	0 78 0	0 8 2	0 86 0	0 8 2	0 88 0	0 8 2	0 88 0	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
15 " "		0 80 0	0 8 2	0 88 0	0 8 2	0 90 0	0 8 2	0 90 0	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
16 " "		0 82 0	0 8 2	0 90 0	0 8 2	0 92 0	0 8 2	0 92 0	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
17 " "		0 84 0	0 8 2	0 92 0	0 8 2	0 94 0	0 8 2	0 94 0	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
18 " "	Not to be heavier than 1 inch	0 86 0	0 8 2	0 94 0	0 8 2	0 96 0	0 8 2	0 96 0	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
19 " "		0 88 0	0 8 2	0 96 0	0 8 2	0 98 0	0 8 2	0 98 0	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
20 " "		0 90 0	0 8 2	0 98 0	0 8 2	1 0 0	0 8 2	1 0 0	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
21 " "		0 92 0	0 8 2	1 0 0	0 8 2	1 0 2	0 8 2	1 0 2	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
22 " "	Not to be heavier than 1 inch	0 94 0	0 8 2	1 0 2	0 8 2	1 0 4	0 8 2	1 0 4	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
23 " "		0 96 0	0 8 2	1 0 4	0 8 2	1 0 6	0 8 2	1 0 6	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
24 " "		0 98 0	0 8 2	1 0 6	0 8 2	1 0 8	0 8 2	1 0 8	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
25 " "		1 0 0	0 8 2	1 0 8	0 8 2	1 1 0	0 8 2	1 1 0	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
26 " "	Not to be heavier than 1 inch	1 0 2	0 8 2	1 1 0	0 8 2	1 1 2	0 8 2	1 1 2	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
27 " "		1 0 4	0 8 2	1 1 2	0 8 2	1 1 4	0 8 2	1 1 4	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
28 " "		1 0 6	0 8 2	1 1 4	0 8 2	1 1 6	0 8 2	1 1 6	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
29 " "		1 0 8	0 8 2	1 1 6	0 8 2	1 1 8	0 8 2	1 1 8	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
30 " "	Not to be heavier than 1 inch	1 1 0	0 8 2	1 1 8	0 8 2	1 2 0	0 8 2	1 2 0	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
31 " "		1 1 2	0 8 2	1 2 0	0 8 2	1 2 2	0 8 2	1 2 2	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
32 " "		1 1 4	0 8 2	1 2 2	0 8 2	1 2 4	0 8 2	1 2 4	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
33 " "		1 1 6	0 8 2	1 2 4	0 8 2	1 2 6	0 8 2	1 2 6	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
34 " "	Not to be heavier than 1 inch	1 1 8	0 8 2	1 2 6	0 8 2	1 2 8	0 8 2	1 2 8	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
35 " "		1 2 0	0 8 2	1 2 8	0 8 2	1 3 0	0 8 2	1 3 0	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
36 " "		1 2 2	0 8 2	1 3 0	0 8 2	1 3 2	0 8 2	1 3 2	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
37 " "		1 2 4	0 8 2	1 3 2	0 8 2	1 3 4	0 8 2	1 3 4	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
38 " "	Not to be heavier than 1 inch	1 2 6	0 8 2	1 3 4	0 8 2	1 3 6	0 8 2	1 3 6	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
39 " "		1 2 8	0 8 2	1 3 6	0 8 2	1 3 8	0 8 2	1 3 8	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
40 " "		1 3 0	0 8 2	1 3 8	0 8 2	1 4 0	0 8 2	1 4 0	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
41 " "		1 3 2	0 8 2	1 4 0	0 8 2	1 4 2	0 8 2	1 4 2	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
42 " "	Not to be heavier than 1 inch	1 3 4	0 8 2	1 4 2	0 8 2	1 4 4	0 8 2	1 4 4	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
43 " "		1 3 6	0 8 2	1 4 4	0 8 2	1 4 6	0 8 2	1 4 6	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
44 " "		1 3 8	0 8 2	1 4 6	0 8 2	1 4 8	0 8 2	1 4 8	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
45 " "		1 4 0	0 8 2	1 4 8	0 8 2	1 5 0	0 8 2	1 5 0	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
46 " "	Not to be heavier than 1 inch	1 4 2	0 8 2	1 5 0	0 8 2	1 5 2	0 8 2	1 5 2	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
47 " "		1 4 4	0 8 2	1 5 2	0 8 2	1 5 4	0 8 2	1 5 4	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
48 " "		1 4 6	0 8 2	1 5 4	0 8 2	1 5 6	0 8 2	1 5 6	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
49 " "		1 4 8	0 8 2	1 5 6	0 8 2	1 5 8	0 8 2	1 5 8	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
50 " "	Not to be heavier than 1 inch	1 5 0	0 8 2	1 5 8	0 8 2	1 6 0	0 8 2	1 6 0	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
51 " "		1 5 2	0 8 2	1 6 0	0 8 2	1 6 2	0 8 2	1 6 2	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
52 " "		1 5 4	0 8 2	1 6 2	0 8 2	1 6 4	0 8 2	1 6 4	0 8 2	3 10 3	0 15 7½	4 18 0	1 0 10
53 " "		1 5 6	0 8 2	1 6 4	0 8 2	1 6 6	0 8 2	1 6 6	0 8 2	3 10 3	0 15 7½	4 18 0	

## CONDITIONS GOVERNING PIECE-WORK SCHEDULES.

Work to be taken as completed after passing foreman's inspection.

Material for workman to be rough cut out and printed, also web to be strained and hair and flock to be milled.

Material given out to be cut to length required.

Machine sewing to be done for workman, preparing for same to be done by workman.

Machine sewing to be tied off for workman.

Where length is specified, increase or deduction in quantity of stitching, or stitching and finishing, to be according to scales on pages 2887 and 2888.

Materials—such as hemp, wax, jet, tallow, &c.—to be found for workman free of charge by employer.

"Full price" shall mean the price fixed for an article without extras or deductions.

"Extra" or "extras" shall mean any work (not specified in the general description of an article), the price of which is to be added to the full price.

"Deduction" or "deductions" shall mean any work the price of which can be deducted from the full price fixed for an article.

Where a lower price is stated for a specified quantity the materials for the whole number specified shall be given out at one time, and the full number shall be finished in one lot or the full single price shall be paid for each article.

(7.) The Board determines, under the provisions of section 150 of the *Factories and Shops Act* 1928, that any employer may fix and pay piece-work prices to any person employed at any work for which this Board has not fixed piece-work prices but has fixed a minimum wage, provided that such employer shall base such piece-work prices on the earnings of an average worker working under like conditions, and such piece-work prices shall be fixed so that an average worker can earn not less than the wages rate fixed by the Board for such work.

D. GRANT, Chairman.

H. N. JONES, Secretary.

Melbourne, 28th September, 1931.

[2921]



VICTORIA  
GOVERNMENT GAZETTE.

Published by Authority.

[Registered at the General Post Office, Melbourne, for transmission by post as a newspaper.]

No. 239]

THURSDAY, OCTOBER 15.

[1931

No.	Number of Tenders.	Particulars of Contract.	Country of Manufacture or Production.	Amount.	Name of Contractor.
451		Railway Stores Suspense Account, Act 3759, Section 105— Supply and delivery of Stores, as ordered, from 1st July, 1931, to 30th June, 1932.	As per annex	Rates as per annex	As per annex

Melbourne, 8th October, 1931.

Schedule of Rates Contracts.

SUPPLY OF STORES

TO THE

VICTORIAN RAILWAYS,

Period 1.7.1931 to 30.6.1932.

E. C. EYERS.

By order of The Victorian Railways Commissioners.

## SUPPLY AND DELIVERY OF STORES.

As ordered, from 1.7.1931 to 30.6.1932.

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

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

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

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

At the date tenders were invited Sales Tax of  $2\frac{1}{2}$  per cent. was in force, and in cases where it is shown that the rates include Sales Tax it is reasonable to assume that  $2\frac{1}{2}$  per cent. only is included.

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

## SHIP CHANDLERY, TAR, ETC.

(See Appendix "A" for Specification.)

As regards Item 2813, 15% will be deducted from the gross weight of the Rosin supplied as an allowance for packages.

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

The rates do not include Sales Tax.

†2801	Bitumen (Asphaltic Cement)	..	60 tons	ton	..	
†2802	Bunting, 18", red, green, or white, as ordered	..	500 l. yd.	l. yd.	..	
	Chalk—					
†2803	Blue	..	40 lb.	lb.	..	} Nil
†2804	Red	..	28 "	do.	..	
†2805	White	..	24 cwt.	cwt.	..	
†2806	French, Powdered	..	28 lb.	lb.	..	
†2807	Eyelets and Washers, Brass, 1"	..	..	gross	..	
†2808	" " " " 1 1/8"	Vict.	75 gross	do.	0 4 9	Evan Evans Pty. Ltd.
*2809	" " Brass, 5/16"	..	..	1,000	..	Nil
*2810	Felt, Tarred, 32" x 40"	U.K.	100 sheets	sheet	*0 0 10	Paul & Gray Ltd.
*2811	Hooks, Clip, with thimbles	Vict.	25 doz.	doz.	0 12 0	A. Nicholls & Co.
†2812	Palms, Sewing or Roping, as ordered	..	5	each	..	Nil
2813	Rosin, Common	U.S.A.	20 cwt.	cwt.	*0 19 6	Hardie Trading Pty. Ltd.
*2814	Sheaves, Ball Bearing	..	..	each	..	
2815	Tar, Distilled, delivered at Spencer-street, in steel drums supplied by the Corporation (empties picked up by Contractor at Spencer-street)	..	5,000 gals.	gal.	..	} Nil
2816	" " in Departmental tanks in Contractor's yard	..	5,000 "	do.	..	
2817	" " in fire carts on the site of works along St. Kilda-Brighton Electric Street Railway track	..	13,000 "	do.	..	
2818	" " in fire carts on the site of works along the Sandringham-Black Rock Electric Street Railway track	..	7,000 "	do.	..	
†2819	" " Stockholm, in 4-gallon tins	Sweden	30 "	do.	*0 2 11	Inglis, Smith & Co. Pty. Ltd.
*2820	Thimbles, Iron, galvanized, Long	..	..	doz.	..	} Nil
*2821	" " " " Signal	..	250 doz.	do.	..	
2822	} Nil					
to 2825						

## 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.

\* As regards Items Nos. 2868 to 2873, plus ruling rate of T.T. Exchange on date of delivery on 80 per cent.

As regards Items No. 2826 and 2840, the rates are firm as regards Exchange.

With the exception of the following items, all rates are exclusive of Sales Tax.

As regards Items Nos. 2828, 2838, 2845, 2846, 2852, 2855, 2857, 2858, 2861, and 2862, Sales Tax will be borne by the Contractor.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
COLOURS, PIGMENTS, AND DYES—continued.						
†2826	Black Drop, dry, in 1-cwt. kegs or casks ..	U.K.	420 lb.	lb.	0 0 5	E. L. Yencken & Co. Pty. Ltd.
†2827	„ Vegetable, in 1-lb. packets ..	..	336 „	do.	..	Nil
†2828	Blue, Prussian, in oil, in 1-lb. tins ..	Vict.	20 „	d.	0 2 0	S. Smith & Co. Pty. Ltd.
†2829	„ Ultramarine, dry, in 7 or 28 lb. pkgs.	..	112 „	do.	..	} Nil
†2830	Brown, Bismarck, dry, in 7 or 28 lb. pkgs. ..	..	112 „	do.	..	
†2831	„ Purple, dry, in 7 or 28 lb. parcels ..	..	..	do.	..	
†2832	„ Spanish, dry, in 7 or 28 lb. parcels ..	..	14 lb.	do.	..	
†2833	„ Vandyke, dry, in 7 or 28 lb. parcels ..	..	..	do.	..	
†2834	„ „ in oil, in 7 or 14 lb. tins ..	..	56 lb.	do.	..	
†2835	„ „ in pulp, in 7 or 14 lb. tins ..	..	..	do.	..	} Nil
†2836	Carmilion, in 7 or 28 lb. parcels ..	..	140 lb.	do.	..	
†2837	Chrome, Dry Yellow, any shades ordered, Specification B.10, in 7 or 14 lb. pkgs.	Vict.	28 „	do.	0 0 10½	E. L. Yencken & Co. Pty. Ltd.
†2838	„ in oil, Yellow, any shades ordered, Specification B.10, in 7-lb. tins	..	672 „	do.	0 0 10	S. Smith & Co. Pty. Ltd.
†2839	Green, Oil, dry, in 7 or 28 lb. parcels ..	..	..	..	..	Nil
†2840	„ Bronze or Quaker, dry, any shades, in 14 or 28 lb. pkgs.	U.K.	28 lb.	lb.	0 0 4	E. L. Yencken & Co. Pty. Ltd.
†2841	„ Brunswick, dry, any shades ordered, in 14-lb. and 28-lb. packages, as ordered, Specification B.11,	Vict.	336 „	cwt.	1 12 0	C. Atkins & Sons Pty. Ltd.
†2842	Lead, Red, dry, Specification B.5, in 1-cwt. kegs	..	100 cwt.	do.	..	Nil
†2843	„ White (Basic Carbonate) dry, genuine, Specification B.1, in 1-cwt. kegs,	N.S.W.	10 „	do.	2 3 0	E. L. Yencken & Co. Pty. Ltd.
†2844	Ochre, Dry, any shades ordered, excluding Yellow, Specification B.9, in 14 or 28 lb. pkgs.	Vict.	336 lb.	lb.	0 0 1	W. & G. Dean Pty. Ltd.
†2845	„ Dry, Yellow, Specification B.9, in 1-cwt. bags	N.S.W.	80 cwt.	cwt.	0 9 9	Taubmans Pty. Ltd.
†2846	Oxide, Red, in oil, Specification B.8, in 56-lb. drums	N.S.W. and Vict.	70 „	do.	1 6 0	S. Smith & Co. Pty. Ltd.
†2847	„ of Iron, Brown, dry, Specification B.8 Ground, delivered f.o.r. Ballarat ..	Vict.	45 tons	ton	3 18 6	Primary Producers Chemicals Pty. Ltd.
†2848	Red, Chinese, dry, in 7-lb. pkgs. ..	..	..	..	..	} Nil
†2849	„ Indian, dry, Specification B.6, in 28-lb. pkgs.	..	336 lb.	lb.	..	
†2850	„ Mail, dry, in 14 and 28 lb. pkgs. ..	Vict.	336 „	do.	0 1 0	E. L. Yencken & Co. Pty. Ltd.
†2851	„ Venetian, dry, Specification B.7, in 7 and 14 lb. pkgs.	..	112 „	do.	..	Nil
†2852	„ „ in oil, Specification B.7, in 28-lb. kegs	Vict.	..	do.	0 0 3	S. Smith & Co. Pty. Ltd.
†2853	Sienna, Burnt—Dry, Specification B.12, in 7-lb. pkgs. ..	..	..	..	..	} Nil
†2854	„ In oil, in 1-cwt. packages, Specification B.12	..	..	cwt.	..	
†2855	„ in 14-lb. and 28-lb. packages, as ordered, Specification B.12	N.S.W.	15 cwt.	do.	3 3 0	Victoria Varnish Co.
†2856	„ In pulp, Specification B.12, in 28-lb. pkgs.	..	56 lb.	lb.	..	Nil
†2857	Sienna, Raw—In oil, in 1-cwt. packages, Specification B.12.	Vict.	..	cwt.	2 2 0	} S. Smith & Co. Pty. Ltd.
†2858	„ in 14-lb. and 28-lb. packages, as ordered, Specification B.12.	..	60 cwt.	do.	2 5 0	
†2859	„ In pulp, Specification B.12, in 28-lb. pkgs.	..	112 lb.	lb.	..	} Nil
†2860	Umber, Burnt—Dry, Specification, B.12, in 7 and 14 lb. pkgs.	..	..	..	..	
†2861	„ In oil, in 1-cwt. packages, Specification B.12	Vict.	..	cwt.	2 2 0	} S. Smith & Co. Pty. Ltd.
†2862	„ in 14-lb. and 28-lb. packages, as ordered, Specification B.12	..	15 cwt.	do.	2 5 0	
†2863	Vermilion, Pure, deep, in 1 and 7 lb. tins ..	..	224 lb.	lb.	..	Nil
†2864	Whiting (Calcium Carbonate), Specification C.1, in approx. 3-cwt. casks	..	42 cwt.	cwt.	..	Nil



Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
COLOURS, PIGMENTS, AND DYES— <i>continued.</i>						
†2865	Zinc, Sulphate .. .. .	..	28 lb.	lb.	..	} Nil
†2866	„ Oxide (Zinc White), in Oil, Specification B.2, in 1-cwt. kegs or drums	..	..	..	..	
	DYES.					
†2867	Dye, Aniline, fast red, in 1-cwt. kegs	..	672 lb.	lb.	..	} Henry H. York & Co. Pty. Ltd.
	Dye, B.A. and S.F., in 10-lb. containers—					
†2868	Black .. .. .	Germany	} 900 „	do.	*0 5 0	
†2869	Blue .. .. .	„		do.	*0 5 0	
†2870	Blue-greenish .. .. .	„		do.	*0 5 0	
†2871	Claret .. .. .	„		do.	*0 5 0	
†2872	White .. .. .	„		do.	*0 5 0	
†2873	Yellow .. .. .	„		do.	*0 5 0	
2874 to 2880	} Nil					

## PAINT, ENAMEL, BOILER COMPOUND, ETC.

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

The rate tendered shall include delivery at the store of the Corporation at Laurens-street, North Melbourne.

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

The rate tendered shall include delivery at the store of the Corporation at Laurens-street, North Melbourne.

The Anti-corrosive Compound 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. 2898 shall be of the best quality for the purpose, ground in oil suitable for the manufacture of paint for use in spray painting machines, and shall be supplied in suitable metal containers with the net weight marked on each.

With the exception of Items Nos. 2891 to 2894, the rates do not include Sales Tax.

†2881	Paint, Distemper, Washable—		112 lb.	lb.	..	} Nil
	White .. .. .	..	112 „	do.	..	
†2882	Buff .. .. .	..	150 gals.	gal.	0 16 0	} Permalac Paint & Varnish Products
†2883	Paint, Enamel, any tints ordered, in $\frac{1}{4}$ gallon tins	Vict. (partly)	2 „	do.	0 16 0	
†2884	„ „ Stoving, White, in $\frac{1}{2}$ gallon tins	„	2 „	do.	0 11 6	} E. L. Yencken & Co. Pty. Ltd.
†2885	„ „ „ Black, in $\frac{1}{2}$ gallon tins	„	..	..	..	
†2886	„ Priming, Black, for Stoving Enamel ..	..	..	..	..	} Nil
	Paint, Enamel, Stove, Cycle—					
2887	Royal Blue, in 6 lb. tins .. .. .	..	..	..	..	} S. Smith & Co. Pty. Ltd.
2888	White, in $\frac{1}{2}$ gallon tins .. .. .	..	..	..	..	
†2889	Paint, Enamel, Black, Finishing, suitable for use on locomotives, in 1 gallon tins	Vict.	400 gals.	gal.	0 9 6	} Taubmans Pty. Ltd.
†2890	„ Under coating, for Item No. 2889 ..	N.S.W.	200 „	do.	0 10 0	
†2891	„ Black, Bituminous, Enamel, in 4 gallon tins, E.306	„	200 „	do.	0 8 3	} Taubmans Pty. Ltd.
†2892	„ Grey, Anti-corrosive, in 4 gallon tins, C.171	„	300 „	do.	0 11 9	
†2893	Thinners, Summer, for use with Item No. 2892, E.505	„	50 „	do.	0 6 9	} Taubmans Pty. Ltd.
†2894	„ Winter, for use with Item No. 2892, E.86	„	36 „	do.	0 7 0	

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

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

†2895	Paint, Cold Water, Mill White, or any suitable alternative, in 56 lb. tins	Vict.	80 cwt.	cwt.	1 2 0	C. Atkins & Sons Pty. Ltd.
†2896	Paint, in lieu "Bon Accord"	Vict. (partly)	6 gals.	gal.	1 1 0	Permalac Paint & Varnish Products
†2897	Compound, Anti-corrosive, in 1 gallon tins, "Apexior"	..	150 "	do.	..	Nil
†2898	Titanium, Zinc Paint Mixture, No. 846	Vict. (partly)	5 tons	cwt.	2 14 0	E. L. Yencken & Co. Pty. Ltd.
2899 to 2990	} Nil					

## ROOFING FELT, ETC.

(1.7.1929 to 31.3.1931.)

*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.

†2901	Roofing Felt, bituminous sheeting, 3-ply, 36" wide, in rolls of approx. 72', with tacks and cement for fixing	..	100 rolls	roll	..	} Nil
†2902	Asphalt, saturated, felt, in rolls of approx. 108' x 3'	..	30 "	do.	..	
†2903	Pitch, roofing, in barrels	..	30 cwt.	cwt.	..	
†2904	Plastic Cement, in approx. 10-lb. containers, white, buff or black, as ordered, "Hydro-seal" or any suitable alternative	..	112 lb.	lb.	..	
†2905	Paint, Bituminous, black, for use on Roofing felt	..	100 gals.	gal.	..	

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

## LIME AND LIMESTONE.

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. 2906A includes Sales Tax.

All other items are plus Sales Tax.

As regards Items Nos. 2906 to 2907A, orders are to be placed on the most advantageous Contractor having regard to the rate, place of destination, and time for delivery.

†2906	Lime, "Kawa," in standard bags, in trucks at Kewarren	Vict.	420 bags	bag	0 3 6	Alkemade Bros.
†2906A	" " "White Rock," in bags 42" x 20", in trucks at Company's siding	"		do.	0 3 9	White Rock Lime Co. Pty. Ltd.
†2907	" " for Pintsch Gas purification, "Kawa," in standard bags, in trucks at Kewarren	"		do.	0 3 6	
†2907A	" " for Pintsch Gas purification, "Kawa," in standard bags, delivered at Spencer-street	"	200 "	do.	0 4 4	Alkemade Bros.
†2908	Limestone, Marble, pure, delivered in trucks at Lilydale	"	100 tons	ton	0 14 0	David Mitchell Estate
2909 to 2912	Nil.					

## FOUNDRY MATERIAL.

The rates do not include Sales Tax.

†2913	Blacking, Moulders' .. .. .	N.S.W.	50 cwt.	cwt.	0 8 0	Gilbert Lodge & Co. Ltd.
	Crucibles, Plumbago—					
†2914	No. 20 .. .. .	"	"	each	..	Nil
†2915	No. 25 .. .. .	"	"	do.	..	
†2916	No. 40 .. .. .	"	"	do.	..	
†2917	No. 50 .. .. .	"	"	do.	..	
†2918	Smith's No. 70 Super Crucibles or suitable alternative	"	50	do.	..	
†2919	Crucibles, T.P. 191—Drawing No. 2639/15 (for "Morgan's" Tilting-Furnace)	"	6	do.	..	
2920	Pedestals for Crucibles (Item No. 2919)	"	"	do.	..	
†2921	Facing, white .. .. .	N.S.W.	6 tons	cwt.	0 8 0	Gilbert Lodge & Co. Ltd.
2922	Ferro Silicon, 75 per cent. .. .. .	"	"	do.	..	Nil
†2923	Furnace Lining, "Silacene," or suitable alternative	"	24 cwt.	do.	..	
†2924	Graphite, Pure Flake, in 5-lb. tins .. .. .	"	150 lb.	lb.	..	
2925	" "Dixon's" Compound or other similar article	"	400 "	do.	..	
†2926	Plumbago, Coarse .. .. .	"	"	cwt.	..	
†2927	" Fine .. .. .	N.S.W.	60 cwt.	cwt.	1 0 0	Gilbert Lodge & Co. Ltd.
2928	"Smooth On" Yellow Label, No. 4, in 5-lb. tins	"	90 lb.	lb.	..	
	Wire Wax—					
2928A	No. 2, $\frac{1}{16}$ " .. .. .	"	75 lb.	do.	..	Nil
2929	No. 3, $\frac{3}{16}$ " .. .. .	"		do.	..	
†2930	No. 4, $\frac{1}{2}$ " .. .. .	"		do.	..	
2931	No. 6, $\frac{3}{4}$ " .. .. .	"		do.	..	
2932	No. 8, $\frac{1}{2}$ " .. .. .	"		do.	..	
2933 to 2936	Nil.					

## PLATERS' MATERIAL.

As regards Items Nos. 2937 to 2942, the Anodes shall consist of 99 per cent. nickel, and shall be free from Copper and Zinc.

The rates do not include Sales Tax.

\* 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.	
PLATERS' MATERIALS—continued.						
2937	Anodes, Cast Nickel, 99 per cent.— 18" .. .. .	U.K.	40 lb.	lb.	*0 2 9 plus minimum charge of 1s. 6d. cartage to Spencer-street.	O. T. Lempriere & Co.
2938	20" .. .. .	..	..	do.	..	} Nil
2939	24" .. .. .	..	..	do.	..	
	Anodes, Rolled Nickel, 99 per cent.—					
2940	18" .. .. .	..	..	do.	..	
2941	20" .. .. .	..	..	do.	..	
2942	24" .. .. .	..	..	do.	..	} Nil
†2943	Baskets, Earthenware, dipping ..	..	..	each	..	
*2944	Brushes, Scratch, 553r ..	..	15	do.	..	
*2945	" " Steel Wire Circular, S.318 ..	..	..	do.	..	
†2946	Compo, White, in tins of approx. 30 oz. ..	..	150 tins	tin	..	
†2947	Crocus, Compo, No. 2 ..	..	30 lb.	lb.	..	} Nil
*2948	Felt Bobs, 1½" thick, 6" diameter ..	Vict. & U.K.	1 "	do.	0 7 6	
*2949	" " 1½" thick, 9" diameter ..	"	1 "	do.	0 7 6	
	Felt, in sheets—					} A. L. Campbell & Co. Pty. Ltd.
2950	¼" thick .. .. .	U.K.	50 "	do.	*0 7 3	
†2950A	½" thick .. .. .	"	75 "	do.	*0 7 3	
2950B	¾" thick .. .. .	"	50 "	do.	*0 7 3	
†2951	Lacquer, Colourless, Celluloid, in 1-quart sealed tins ..	..	..	gal.	..	
†2952	" Thinner, in 1-gallon sealed tins ..	..	..	do.	..	} Nil
†2953	" Clear, Cellulose ..	..	..	do.	..	
†2954	" " thinner ..	..	..	do.	..	
2955	Mops, Calico, Grey, 9" x 50n ..	Vict. & U.K.	45	each	0 4 3	
†2956	" " White, 12" x 105n, with leather binding washers ..	"	50	do.	0 9 2	
†2957	" " " 9" x 100n, with leather binding washers ..	N.S.W. (partly)	3	do.	0 5 10	Hugh Scott-Young
†2958	" " " 6" x 100n ..	..	..	do.	..	} Nil
*2959	" Swansdown, 6" x 24" ..	..	..	do.	..	
*2960	" " 9" x 24" ..	..	..	do.	..	
†2961	" Grey, 6" x 50n ..	..	..	do.	..	
2962	Potassium, Cyanide, 100 per cent., in 1-cwt. cases ..	..	112 lb.	lb.	..	
†2963	Rouge, Compo, AZ ..	..	3 "	do.	..	} A. L. Campbell & Co. Pty. Ltd.
†2964	Salts, Nickel, best, double ..	U.K.	80 "	do.	*0 0 5½	
†2965	" Nickel, best, single ..	..	40 "	do.	..	
*2966	Swabs, Potash ..	..	3	each	..	
2967	Tape, Emery, ½", in pieces of 36 yards each ..	..	..	doz.	..	
*2968	" " 1", in pieces of 36 yards each ..	..	30 doz.	yds. do.	..	} Nil
2969	" " 1½", in pieces of 36 yards each ..	..	3 "	do.	..	
†2970	Tripoli, Compo, Lustre, "Spark-L" ..	N.S.W.	1,000 lb.	cwt.	2 5 0	
2971	to Nil.					
2976						

## DRAPERY, ETC., No. 2.

As regards Items Nos. 2985 to 2987, the Sponge Cloths shall be whipped and the Cloths laid flat and not folded. 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 "

As regards Items Nos. 2995 to 2996—Japaned Duck—orders are to be placed for the Australian made material, unless it is certified by the Chief Mechanical Engineer that in service it has proved defective.

As regards Items Nos. 2995 and 2996—10 to 12 weeks are to be allowed for delivery, and the Corporation agrees that in the event of there being any alteration in the rate of Sea Freight of 100s. plus primage, the rates shall be adjusted.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
DRAPERY, ETC., No. 2—continued.						
As regards Items Nos. 2995A and 2995B—minimum quantity of 50 yards of any colour and combination to be ordered.						
With the exception of Frank Wells Pty. Ltd. (Items Nos. 2985 to 2987), the rates do not include Sales Tax.						
As regards Item No. 3006, with J. E. Stone, the rate includes exchange.						
* Plus ruling rate of T.T. Exchange on date of delivery on 80 per cent.						
†2977	Blanketing, Dark Grey, in rolls .. ..	..	..	..	..	} Nil
*2978	Buttons, Leather, solid, black, large ..	..	200 gross	gross	..	
†2979	Buttons, Steel, Clinch, black, 1½", without washers ..	..	100 "	do.	..	
†2979A	Calico, Bleached, 36" wide, for French polishers' use ..	..	250 l. yds.	l. yd.	..	} Gair Manufacturing Co. Pty. Ltd.
†2980	Calico, Unbleached—36" wide .. ..	U.K.	150 "	do.	*0 0 8½	
†2981	72" wide .. ..	"	750 "	do.	*0 1 4	
†2982	Calico, Signwriters', 36" wide .. ..	..	750 "	do.	..	} Nil
†2983	Calico, White, 36" wide .. ..	..	1,200 "	do.	..	
†2984	" 72" wide .. ..	..	100 "	do.	..	
†2985	Cloths, Sponge, 22" x 18" .. ..	Victoria & Qld.	750 gross	gross	1 3 0	} Frank Wells Pty. Ltd.
†2986	Cloths, Sponge, 24" x 24" .. ..	"	75 "	do.	1 9 0	
†2987	Cloths, Sponge, 28" x 28" .. ..	"	150 "	do.	2 1 0	
†2988	Cord, Blind, White, Glace—2 lb. .. ..	..	..	..	..	} Nil
†2989	2½ lb. .. ..	Victoria	18 dozen yards	dozen yards	0 0 9	
†2990	3 lb. .. ..	"	10 "	do.	0 0 9½	
*2991	Cord for Holland Blinds, Brown .. ..	..	..	..	..	} Briscoe & Co. Ltd.
*2992	" " " Green .. ..	..	80 dozen yards	dozen yards	..	
†2993	Cotton, in reels of 300 yards, white or black, any Nos. ordered ..	..	25 dozen	dozen	..	
†2994	Drill, Drab, 30" wide .. ..	..	..	..	..	} Nil
†2995	Duck, Japanned, 1st quality, in pieces of 12 yards—Claret, 50" wide, "Crocketts" ..	U.K.	} 1,000 l. yds.	l. yd.	*0 6 5	
†2995A	Claret, 50" wide, "G.P." Fabrex ..	Victoria (partly) U.K.		do.	0 6 0	
†2996	Green, 50" wide, "Crocketts" ..	U.K.		{ do.	*0 6 4	} Watson Trading Co. Pty. Ltd.
†2996A	Green, 50" wide, "G.P." Fabrex ..	Victoria (partly) U.K.	} 2,000 "	{ do.	0 6 0	
†2997	Duck, Linen, White, 72" wide ..	U.K.		do.	*0 4 11	
†2998	Elastic, White—¾" .. ..	..	100 yards	dozen yards	..	} Nil
†2999	¾" .. ..	..	..	..	..	
†3000	Flannelette, 27", for floor cloths ..	..	1,500 l. yds.	l. yd.	..	
†3001	Kapok, teased .. ..	..	..	..	..	} Nil
†3002	Muslin, Butter, 36" .. ..	..	1,500 l. yds.	l. yd.	..	
†3003	Poplin, Green, 50" wide .. ..	..	..	..	..	
†3004	Silk, Sewing Machine, in 1-oz. reels, any Nos. and colours ordered ..	U.K.	2 lb.	lb.	*0 15 9	} Gair Manufacturing Co. Pty. Ltd.
†3005	Skins, Chamois .. ..	..	150	each	..	
†3006	Sponge, Large, Carriage, perfectly dry, free from sand and all impurities ..	Greece	200 lb.	do.	0 2 7	
†3007	Swansdown, 30" wide .. ..	..	10 l. yds.	l. yd.	..	} Nil
†3008	Tape, Cotton, White—1" .. ..	..	..	..	..	
†3009	1" .. ..	..	..	..	..	
†3010	1" .. ..	U.K.	1,600 dozen yards	gross yards	*0 2 2½	} Mica & Insulating Supplies Co.
†3011	1" .. ..	"	250 "	do.	*0 2 8	
†3012	Tape, Cotton, Black, 1" .. ..	..	100 "	do.	..	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
DRAPERY, ETC., No. 2—continued.						
†3013	Tape, Cotton, Red— No. 16, 9 yards, per piece .. ..	..	25 dozen pieces	dozen pieces	..	Nil
†3014	No. 24, 9 yards, per piece .. ..	..	20 "	do.	..	
†3015	Tape, White, in reels of 100 yards or over—	..	..	..	..	
3016	1 1/2" .. ..	U.K.	2,000 yards	gross yards	*0 1 11	Mica & Insulating Supplies Co.
†3017	5/8" .. ..	"	1,000 "	do.	*0 2 1 1/2	
3018	3/4" .. ..	"	3,500 "	do.	*0 2 7	
3019	1" .. ..	"	1,500 "	do.	*0 3 4	
3020	1 1/2" .. ..	"	..	..	..	
3021	Tape, White, India, in coils of 72 yards— 1/2" .. ..	U.K.	20 dozen yards	gross yards	*0 1 9	Mica & Insulating Supplies Co.
†3021 A	5/8" .. ..	"	20 "	do.	*0 1 10 1/2	
3021 B	3/4" .. ..	"	20 "	do.	*0 2 2 1/2	
3021 C	1" .. ..	"	20 "	do.	*0 2 8	
3022	Thread, Machine, in 2-oz. reels, any colours ordered—"Knox"	U.K.	150 reels	reel	*0 0 11 1/2	Frank & Bryce Ltd.
3023	No. 12 .. ..	"	75 "	do.	*0 1 0	
†3024	No. 18 .. ..	"	250 "	do.	*0 1 1	
3025	No. 20 .. ..	"	50 "	do.	*0 1 3 1/2	
3026	No. 30 .. ..	"	..	..	..	
3027	No. 40 .. ..	U.K.	100 reels	reel	*0 0 9	Frank & Bryce Ltd.
†3028	No. 50 in 1 oz. reel .. ..	..	300 l. yds.	yards	..	Nil
†3029	Velvet, Utrecht, 24" wide or alternative widths, green	Victoria (partly)	200 dozen sheets	dozen yards	0 3 0	Laycock, Son & Co.
†3030	Wadding, Cotton, sheet, large size, unbleached, grey, 36's, approx. 2' 6" wide x 12 yards long	..	500 yards	100 yards	(less 2 1/2 % 30 days)	Nil
†3031	Webbing, Brown, up to 2 1/2", as ordered ..	..	..	..	..	Nil
†3032	Webbing, White, Cotton, 1", .. ..	U.K.	650 "	do.	*0 4 0	W. G. Sleightholm
†3033	Wool, Fingering.. ..	Victoria	180 lb.	lb.	0 3 9	Foy & Gibson Pty. Ltd.
3034	to Nil	..	..	..	..	..

## PAINTERS' AND GRAINERS' SUNDRIES.

\* Plus ruling rate of T.T. Exchange on date of delivery on 80 per cent. The rates tendered by E.L. Yencken & Co. Pty. Ltd. are firm.

With the exception of the following items, all rates are exclusive of Sales Tax.

As regards Items Nos. 3037 and 3068, Sales Tax will be borne by the Contractor.

†3035	Aluminium Leaf, best quality, 5" .. ..	..	..	book of 25 sheets	..	Nil
†3036	" Powder, best quality, in 1-lb. packets	Germany	50 lb.	lb.	*0 2 4	Abel, Lemon & Co. Pty. Ltd.
†3037	Beeswax .. ..	Vict.	500 "	do.	0 1 6	H. J. Corder Pty. Ltd.
†3038	Cutters, Glass, turret head, No. 1 .. ..	..	60	each	..	..
3039	Dabs, Gilders', Camel Hair— No. 2 .. ..	..	10	do.	..	Nil
3040	No. 4 .. ..	..	10	do.	..	
†3041	No. 6 .. ..	..	10	do.	..	
3042	No. 8 .. ..	..	10	do.	..	
3043	No. 10 .. ..	..	10	do.	..	
3044	No. 12 .. ..	..	10	do.	..	
3044 A	Dabs, Gilders', Bear Hair— No. 2 .. ..	..	10	do.	..	
3044 B	No. 4 .. ..	..	10	do.	..	
†3044 C	No. 6 .. ..	..	10	do.	..	
3044 D	No. 8 .. ..	..	10	do.	..	
3044 E	No. 10 .. ..	..	10	do.	..	
3044 F	No. 12 .. ..	..	10	do.	..	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
PAINTERS' AND GRAINERS' SUNDRIES—continued.						
†3044c	Filling, Patent .. .. .	Vict.	56 lb.	lb.	0 0 3	E. L. Yencken & Co. Pty. Ltd.
†3045	Fitches, Hog Hair Lining, $\frac{1}{4}$ " to 1", as ordered ..	..	20	each	..	} Nil
†3046	Knives, Palette, 6" blade .. .. .	..	..	do.	..	
†3047	" " 7" blade .. .. .	..	..	do.	..	
†3048	" Putty, any sizes ordered .. .. .	..	..	do.	..	} E. L. Yencken & Co. Pty. Ltd.
†3049	" Stopping, 6" blade, "Perigo Bros." ..	U.K.	120	do.	0 1 2	
	Knives, Stripping—					
†3050	1 $\frac{1}{2}$ " blade .. .. .	..	..	..	..	} Nil
†3051	2" blade x 5" long .. .. .	..	100	do.	..	
†3052	2" blade x 6" long .. .. .	..	..	..	..	
†3053	3" blade x 5" long, "Perigo" .. .. .	U.K.	50	do.	0 1 8	E. L. Yencken & Co. Pty. Ltd.
	Pencils, Sable, Writers' or Liners' Best Red—					
3054	Lark .. .. .	..	5	do.	..	} Nil
3055	Crow .. .. .	..	12	do.	..	
†3056	Duck .. .. .	U.K.	30	do.	0 0 11 $\frac{1}{2}$	E. L. Yencken & Co. Pty. Ltd.
3057	Goose .. .. .	..	18	do.	..	} Nil
3058	Extra Goose .. .. .	..	..	do.	..	
3059	Mid Swan .. .. .	..	6	do.	..	
3060	Large Swan .. .. .	..	6	do.	..	
†3061	Pumice Dust, Superfine .. .. .	..	2 cwt.	cwt.	..	} Nil
†3062	" " No. 2 .. .. .	..	..	do.	..	
†3063	Pumice Stone .. .. .	..	1 cwt.	do.	..	
†3064	Putty in Oil, in 28-lb. tins .. .. .	..	60 "	do.	..	} Nil
†3065	" " in drums .. .. .	..	..	do.	..	
3066	Softening Fluid, in pint tins, "Necol" ..	N.S.W.	14 pints	pint	0 3 3	James Walker
†3067	Stones, rubbing .. .. .	..	400	each	..	Nil
†3068	Wood, plastic, in 1-lb. tins, "Berger" ..	N.S.W.	75 lb.	lb.	0 3 1	H. J. Corder Pty. Ltd.
†3069 to 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.

As regards Items Nos. 3102 and 3103 the rates include Exchange, and are not subject to fluctuation, but are exclusive of Sales Tax.

Glass—						
†3073	Amber, any shades ordered .. .. .	..	..	sq. ft.	..	} Nil
†3074	Arctic, White .. .. .	..	50 sq. ft.	do.	..	
†3075	" Coloured .. .. .	..	50 "	do.	..	
†3076	Flemish, any colours ordered .. .. .	..	150 "	do.	..	
†3077	Opal, 16 oz. .. .. .	..	..	do.	..	
†3078	" 21 oz. .. .. .	..	4 "	do.	..	} Nil
	Plate, Polished, level, clear and free from blemish, as ordered—					
3079	$\frac{1}{8}$ " .. .. .	..	1,000 "	do.	..	
3080	$\frac{3}{16}$ " square feet, 0 to 10 .. .. .	..	1,600 "	do.	..	
3081	$\frac{1}{4}$ " square feet, 0 to 10 .. .. .	..	2,400 "	do.	..	
3082	$\frac{3}{8}$ " .. .. .	..	25 "	do.	..	} Nil
	Plate, Rolled, ribbed—					
3083	$\frac{1}{8}$ " .. .. .	..	1,000 "	do.	..	
3084	$\frac{3}{16}$ " .. .. .	..	1,000 "	do.	..	
3085	$\frac{1}{4}$ " .. .. .	..	600 "	do.	..	
3086	Plate, Silvered, $\frac{1}{4}$ " bevelled up to 1", as ordered ..	..	50 "	do.	..	} Nil
3087	" " $\frac{3}{16}$ " bevelled up to 1", as ordered ..	..	250 "	do.	..	
†3088	" Wire cast .. .. .	..	600 "	do.	..	
†3089	" " rolled .. .. .	..	600 "	do.	..	

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

GLASS—continued.

3090	Glass— Sheet, 16 oz., 0 to 40 .. ..	..	400 sq. ft.	sq. ft.	..	} Nil
3091	" 16 oz., over 40 to 50 .. ..	..	100 "	do.	..	
3092	" 21 oz., United inches, 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.	..	} Nil
	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 ..	Belgium	18,000 sq. ft.	sq. ft.	0 0 6½	} E. L. Yencken & Co. Pty. Ltd.
3103	" " " over 40 to 50 ..	"	10,000 "	do.	0 0 6½	
3104	" " " " 50 to 70 ..	..	600 "	do.	..	
3105	" " " " 70 to 80 ..	..	150 "	do.	..	
3106	" " " " 80 to 90 ..	..	30 "	do.	..	
3107	" " " " 90 to 100 ..	..	100 "	do.	..	
3108	Sheet, Ground, 21 oz. .. ..	..	200 "	do.	..	} Nil
3109	" " 26 oz. .. ..	..	1,000 "	do.	..	
3110	" Signal green, 16 oz. .. ..	..	100 "	do.	..	
3111	" red, 16 oz. .. ..	..	200 "	do.	..	
3112	Trimidical .. ..	..	1,000 "	do.	..	
3113 to 3115	Nil.					

## GRINDSTONES AND ABRASIVE WHEELS.

## Name of Manufacturer—

Frank Wells Pty. Ltd. : Swiss Grinding Wheel Works Ltd.

J. Danks &amp; Son Pty. Ltd. : Universal Grinding Wheel Co., England.

McPherson's Pty. Ltd. : Universal Grinding Wheel Co., England (54 per cent. Bauxilite, 45½ per cent. Unirundum).

Gilbert Lodge &amp; Co. Ltd. : British Abrasive Wheel Co. ("Bulldog").

E. P. Bevan &amp; Son Pty. Ltd. : Chas. H. Besly Co.

The rates tendered do not include Sales Tax.

Items Nos. 3116 and 3117 are firm as regards Exchange.

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

	Discs, Besley, $\frac{7}{8}$ " thick, 24" x 8"—						
3116	For grinding Steel .. ..	U.S.A.	8	each	2 4 0	} E. P. Bevan & Son Pty. Ltd.	
3117	For grinding Brass .. ..	"	5	do.	2 4 0		
	Grindstones of approved grit, soft, medium, or hard, as ordered—						
3118	4" thick x 24" diameter .. ..	..	4	do.	..	} Nil	
3119	5" thick x 30" diameter .. ..	..	1	do.	..		
3120	7" thick x 48" diameter .. ..	..	3	do.	..		
3121	12" thick x 84" diameter .. ..	..	2	do.	..		



Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
GRINDSTONES AND ABRASIVE WHEELS—continued.						
3122	Wheels, Abrasive— $\frac{3}{4}$ " x $1\frac{1}{2}$ " x $\frac{1}{16}$ ", Lapping C.H. Pin Holes, Grit 60, Grade M.	U.K.	14	each	*0 1 9	J. Danks & Son Pty. Ltd.
3123	7" x $\frac{1}{2}$ " x $\frac{1}{4}$ ", High Speed Tools, Grit ...., Grade ....	..	4	do.	..	} Nil
3124	1" x $\frac{1}{4}$ " x $\frac{1}{4}$ ", High Speed Tools, Grit ...., Grade ....	..	12	do.	..	
3125	1" x 1" x $\frac{1}{4}$ " (Cup) for "Keller" Portable Grinder, Grit 30, Grade P.	U.K.	36	do.	*0 3 3 less 54 %.	McPherson's Pty. Ltd.
3126	$1\frac{1}{2}$ " x $1\frac{1}{2}$ " x $\frac{3}{16}$ ", for Lapping Machine, Grit 60, Grade M.	"	25	do.	*0 2 0	} J. Danks & Son Pty. Ltd.
3127	$1\frac{1}{2}$ " x $\frac{1}{4}$ " x $\frac{1}{4}$ ", 3 B, for "Keller" Portable Grinders, Grit 46, Grade K.	"	36	do.	*0 0 11	
3128	$1\frac{1}{2}$ " x $1\frac{1}{2}$ " x $\frac{3}{16}$ ", for Lapping Machine, Grit ...., Grade ....	U.K.	50	each	*0 4 6 less 54 %.	McPherson's Pty. Ltd.
3129	$1\frac{3}{4}$ " x $1\frac{1}{2}$ " x $\frac{3}{16}$ ", for Lapping Machine, Grit 60, Grade M.	"	4	do.	*0 2 7	} J. Danks & Son Pty. Ltd.
3130	2" x $\frac{3}{4}$ " x $\frac{1}{2}$ " for Churchill Universal Grinders, Universal, Grit 46-60, Grade K.M.	"	6	do.	*0 1 8	
3131	2" x $\frac{3}{4}$ " x $\frac{1}{2}$ " for Churchill Universal Grinders, Universal, Grit 46, Grade M.	"	6	do.	*0 1 8	
3132	$2\frac{1}{8}$ " x $1\frac{1}{2}$ " x $\frac{3}{16}$ " Lapping C.H. Pin Holes, Grit 60, Grade M.	"	4	do.	*0 2 10	
3133	$2\frac{1}{4}$ " x $1\frac{1}{2}$ " x $\frac{3}{16}$ ", for Lapping Machine, Grit 60, Grade M.	"	4	do.	*0 2 10	} McPherson's Pty. Ltd.
3134	3" x $\frac{1}{4}$ " x $\frac{1}{4}$ " Sawco Electric Grinder, 46M...	"	12	do.	*0 3 3 less 54 %.	
3135	3" x $1\frac{1}{2}$ " x $\frac{3}{16}$ ", for Lapping Machine, Grit 60, Grade M.	"	2	do.	*0 3 4	} J. Danks & Son Pty. Ltd.
3136	$3\frac{1}{4}$ " x $1\frac{1}{4}$ " x $\frac{1}{2}$ ", Taper Cup, Grit 46, Grade M.	"	3	do.	*0 3 4	
3137	$3\frac{3}{8}$ " x $\frac{3}{4}$ ", recessed for internal grinding (cast iron), diameter of recess $2\frac{3}{8}$ ", depth of recess $\frac{1}{16}$ ", bore $1\frac{3}{8}$ ", Grit 36, Grade J., R.P.M. 4,800	Switz.	6	do.	*0 2 3	Frank Wells Pty. Ltd.
3137A	$3\frac{3}{8}$ " x $\frac{3}{4}$ ", recessed for internal grinding (cast iron), diameter of recess $2\frac{3}{8}$ ", depth of recess $\frac{1}{16}$ ", bore $1\frac{3}{8}$ ", "Universal" 24-36 K.	U.K.	6	do.	*0 3 0	} J. Danks & Son Pty. Ltd.
3138	4" x $\frac{1}{16}$ " x $\frac{1}{2}$ ", High Speed Tools, Grit 80, Grade 3E.	"	2	do.	*0 2 2	
3139	4" x $\frac{1}{4}$ " x $\frac{1}{2}$ ", High Speed Tools, Grit 46, Grade M.	"	2	do.	*0 1 11	} J. Danks & Son Pty. Ltd.
3140	5" x $1\frac{1}{2}$ " x $\frac{1}{2}$ ", Straight Cup, Universal, Grit 46, Grade K.	"	3	do.	*0 5 9	
3141	6" x $\frac{1}{8}$ " x $\frac{1}{2}$ ", High Speed Tools, Grit A46, Grade M.	"	3	do.	*0 3 6	} Gilbert Lodge & Co. Ltd.
3142	6" x $\frac{1}{4}$ " x $\frac{1}{2}$ ", High Speed Tools, Grit A60, Grade L.M.	"	3	do.	*0 3 7	
3143	6" x $\frac{1}{4}$ " x $\frac{1}{2}$ ", High Speed Tools, Grit ...., Grade ....	..	..	..	..	Nil
3144	6" x $\frac{1}{2}$ " x $\frac{1}{2}$ ", Universal, Grit 46, Grade H.	U.K.	3	each	*0 4 0	} J. Danks & Son Pty. Ltd.
3145	6" x $\frac{5}{8}$ " x $1\frac{1}{4}$ ", High Speed Tools, Universal, Grit 60, Grade K.	"	3	do.	*0 4 6	
3146	6" x $\frac{11}{16}$ " x $\frac{1}{2}$ ", Dish, Grit 46, Grade M.	"	3	do.	*0 5 0	} Frank Wells Pty. Ltd.
3147	6" x $\frac{3}{4}$ " x $1\frac{1}{4}$ ", Slide Bars, Grit 46, Grade H.	"	2	do.	*0 5 0	
3147A	6" x $\frac{3}{4}$ " x $1\frac{1}{4}$ ", 40 M, R.P.M. 3,200	Switz.	6	do.	*0 3 8	} Frank Wells Pty. Ltd.
3148	6" x $\frac{7}{8}$ " x $\frac{1}{2}$ ", Saucer Wheel, H.S. Tools, Grit 46, Grade M.	U.K.	2	do.	*0 5 4	
3148A	6" x $\frac{11}{16}$ " Camber x $\frac{1}{2}$ " Saucer, 46K.	"	6	do.	*0 5 9	} J. Danks & Son Pty. Ltd.
3149	6" x 1" x $\frac{1}{2}$ ", Portable Grinders, Grit 24, Grade R.	"	100	do.	*0 5 9	
3150	6" x 2" x $\frac{3}{4}$ " (Cup), Universal Grinders, Grit 50, Grade M.	"	4	do.	*0 9 0	} McPherson's Pty. Ltd.
3151	6" x 2" x $\frac{3}{4}$ ", Taper Cup, Grit 50, Grade M.	"	4	do.	*0 9 0	
3151A	7" x $\frac{1}{4}$ " x $1\frac{1}{2}$ ", 46L.	"	3	do.	*0 8 9 less 54 %.	} Nil
3152	$7\frac{1}{2}$ " x $1\frac{1}{2}$ " x $\frac{3}{4}$ ", Recessed 40M., Grit ...., Grade ....	..	1	do.	..	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
GRINDSTONES AND ABRASIVE WHEELS—continued.						
Wheels, Abrasive—continued.						
3153	7½" x 2" x ¾", Recessed, Grit 50, Grade M.	U.K.	1	each	*0 14 5	J. Danks & Son Pty. Ltd.
3154	8" x 1½" x ½", Elastic Wheel, Grit 60, Grade 3E.	"	2	do.	*0 5 0	
3155	8" x ¾" x ¾", Grit 46, Grade M.	"	2	do.	*0 7 6	
3156	8" x 1" x ¾", Universal, Grit 24, Grade R.	"	6	do.	*0 8 9	
3157	8" x 1" x 1", Aloxite, Grit 30, Grade P., R.P.M. 2,700	Switz.	6	each	*0 6 10	Frank Wells Pty. Ltd.
3158	8" x 1" x 1½", Internal C.I. Cylinders, Grit ...., Grade ....	U.K.	2	do.	*0 19 6 less 46½ %.	McPherson's Pty. Ltd.
3159	8" x 1½" x ¾", Grit 36, Grade P., R.P.M. 2,700	Switz.	50	do.	*0 7 11	Frank Wells Pty. Ltd.
3160	8" x 1½" x ¾", Radial Grinder, Grit 24, Grade Q., R.P.M. 2,700	"	6	do.	*0 7 11	
3161	8" x 1½" x 1½", Portable Grinders, Grit 24, Grade R.	U.K.	18	do.	*0 11 9	J. Danks & Son Pty. Ltd.
3162	8½" x 1½" x 1½", Grit 30, Grade P.	"	2	do.	*0 12 0	Nil
3163	9½" x 1½" x 1½", Recessed, dia. of recess 7½", 46 L., Grit ...., Grade ....	"	3	do.	..	Nil
3164	9½" x 1½" x 1½", Twist Drills, Recessed, Grit 46, Grade L.	U.K.	2	do.	*0 17 0	J. Danks & Son Pty. Ltd.
3165	10" x ½" x ¾", Fluting Taps, Grit 80, Grade M.	"	2	do.	*0 6 1	J. Danks & Son Pty. Ltd.
3166	10" x ½" x ¾", H.S. Tools, Taps, &c., Universal 50M., Grit ...., Grade ....	"	6	do.	..	Nil
3166A	10" x ½" x ¾", Edge Tools, 46M., Universal or suitable alternative	"	6	do.	..	
3167	10" x ½" x ¾", H.S. Steel, Dies, &c., Universal, Grit 46, Grade K.	U.K.	9	do.	*0 8 4	J. Danks & Son Pty. Ltd.
3168	10" x ½" x 1½", Edge Tools, Grit ...., Grade ....	"	3	do.	..	Nil
3169	10" x ½" x ¾", Edge Tools, Grit 80, Grade P.	U.K.	1	do.	*0 6 1	J. Danks & Son Pty. Ltd.
3170	10" x ¾" x ¾", Edge Tools, Universal 60M., Grit ...., Grade ....	"	9	do.	..	Nil
3171	10" x ¾" x 1½", Edge Tools, Universal 40M., Grit ...., Grade ....	"	6	do.	..	
3172	10" x ½" x ¾", Edge Tools, Grit 46, Grade M.	U.K.	1	do.	*0 8 4	J. Danks & Son Pty. Ltd.
3173	10" x ½" x 1½", Edge Tools, Universal 40M., Grit ...., Grade ....	"	6	do.	..	Nil
3174	10" x ¾" x ¾", Edge Tools, Grit 46, Grade M.	U.K.	10	do.	*0 10 4	J. Danks & Son Pty. Ltd.
3175	10" x ¾" x 1½", Edge Tools, Universal 46M., Grit ...., Grade ....	"	6	do.	..	Nil
3176	10" x 1" x 1½", Edge Tools, Universal 46M., Grit ...., Grade ....	"	3	do.	..	
3177	10" x 2" x 1½", Edge Tools, Universal 46M., Grit ...., Grade ....	"	3	do.	..	Nil
3178	10" x ¾" x ¾", Milling Cutters, Taps, &c., Grit 46, Grade K.	U.K.	10	do.	*0 7 4	
3179	10" x ¾" x ¾", Fluting Taps, Grit 46, Grade M.	"	2	do.	*0 7 4	J. Danks & Son Pty. Ltd.
3180	10" x ½" x ¾", Fluting Taps, Grit 46, Grade M.	"	1	do.	*0 8 4	
3181	10" x ½" x 1", Milling Cutters, Taps, &c., Grit 46, Grade K.	"	3	do.	*0 8 4	
3182	10" x ½" x 1", Forming Tools, Universal, Grit 80, Grade M.	"	8	do.	*0 8 4	
3183	10" x ¾" x ¾", Milling Cutters, Taps, &c., Grit 46, Grade K.	"	8	do.	*0 11 9	J. Danks & Son Pty. Ltd.
3184	10" x 1" x 1½", Milling Cutters, Taps, &c., Grit 46, Grade K.	"	2	do.	*0 12 7	
3185	10" x 1" x 1½", recessed, Hardened Steel, Jones and Shipman's Machine, Universal, Grit 46, Grade K.	"	3	do.	*0 12 7	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
GRINDSTONES AND ABRASIVE WHEELS—continued.						
3185A	Wheels, Abrasive—continued. 10" x 1" x 4½", recessed, Hardened Steel, for Jones and Shipman Machines, 46M., R.P.M. 2,160	Switz.	3	each	*0 9 6	Frank Wells Pty. Ltd.
3186	12" x ½" x 2", Edge Tool Cutters, &c., Grit 46, Grade M.	U.K.	2	do.	*0 10 4	J. Danks & Son Pty. Ltd.
3187	12" x ½" x ¾", Circular Saw Gulleting Machine, Grit 46, Grade M.	"	6	do.	*0 10 4	
3188	12" x ¾" x 2", Edge Tool Cutters, &c., Grit 46, Grade M.	U.K.	2	do.	*0 13 0	J. Danks & Son Pty. Ltd.
3189	12" x 1" x 2", Edge Tool Cutters, &c., Grit 46, Grade M.	"	2	do.	*0 16 3	
3190	12" x 1" x 1½", High Speed Tools, Uni- versal 46-60 M., Grit ...., Grade ....	"	2	do.	..	Nil
3191	12" x 1" x 1", H.S. Steel, General use, Grit 46, Grade M.	U.K.	1	do.	*0 16 3	J. Danks & Son Pty. Ltd.
3192	12" x 1½" x 5" for Churchill Universal Grinder, Universal, Grit 36, Grade K	"	1	do.	*0 19 4	
3193	12" x 1½" x 5", for Churchill Universal Grinder, Universal, Grit 46, Grade L.	"	1	do.	*0 19 4	
3194	12" x 1½" x 5", for Churchill Universal Grinder, Universal, Grit 36, Grade J	"	1	do.	*0 19 4	
3195	12" x 1½" x 5", for Churchill Universal Grinder, Universal, Grit 46, Grade J.	"	2	do.	*0 19 4	
3196	12" x 2" x 2", Edge Tool Cutters, &c., Grit 46, Grade M.	"	3	do.	*1 7 11	Nil
3197	12" x 2" x 1½", Grit ...., Grade ....	"	1	each	*1 7 11	
3198	12" x 2" x 1", Edge Tool Cutters, &c., Grit 46, Grade M.	U.K.	1	do.	*1 7 11	J. Danks & Son Pty. Ltd.
3199	12" x 2" x 1", General Use, Grit 36, Grade P.	"	2	do.	*1 7 11	
3200	12" x 2" x 1½", General use, Grit 36, Grade P.	"	2	do.	*1 7 11	McPherson's Pty. Ltd.
3201	12" x 2" x 1½", Cast Iron, Grit ...., Grade ....	"	4	do.	*3 2 0 less 45%.	
3202	12" x 2" x 1½" for Cast Steel Castings, Uni- versal, Grit 24, Grade P.	"	6	do.	*1 7 11	J. Danks & Son Pty. Ltd.
3203	12" x 10" x 6" x 5½" Cup, Universal, Grit 20, Grade O.	"	3	do.	*3 14 0	
3204	14" x 2" x 1½", Cast Iron, Grit ...., Grade ....	"	6	do.	..	Nil
3205	14" x 2" x 1½", General use, Grit ...., Grade ....	"	1	do.	..	
3206	14" x 2" x 2" for Cast Steel Castings, Uni- versal, Grit 24, Grade P.	U.K.	2	do.	*1 18 0	J. Danks & Son Pty. Ltd.
3207	14" x 5" x 2½", Grit 24, Grade M.	"	3	do.	*4 12 0	
3208	16" x ¾" x ¾", Metal Hand Saws, Grit 50, Grade N.	"	1	do.	*1 2 0	
3209	16" x 1½" x 5", Grit 24 comb., Grade C.L.	"	1	do.	*1 19 0	
3210	16" x 3" x 1½", Universal, Grit 30, Grade P., R.	"	2	do.	*3 12 0	
3211	18" x 1½" x 2½", Universal, Grit 20, Grade R.	"	3	do.	*2 15 0	Frank Wells Pty. Ltd.
3212	20" x 2½" x 1½", Steel Castings, Grit 12/16, Grade R., R.P.M. 1,080	Switz.	6	do.	*3 8 9	
3213	20" x 2½" x 1½", Mild Steel Ferrules, Grit 36, Grade Q., R.P.M. 1,080	"	3	do.	*3 8 9	
3214	20" x 2½" x 1½", High Speed Lathe Tools, Grit 24, Grade O., R.P.M. 1,080	"	12	do.	*3 8 9	
3215	20" x 2½" x 1½", Spelter off B/S Tube, Grit 24, Grade Q., R.P.M. 1,080	"	1	do.	*4 1 0	
3216	20" x 2½" x 1½", Iron and Brass Castings, Grit 24, Grade Q., R.P.M. 1,080	"	4	do.	*4 1 0	Frank Wells Pty. Ltd.
3217	20" x 2½" x 1½", Iron and Brass Castings, Grit 16, Grade Q., R.P.M. 1,080	"	3	do.	*4 1 0	
3218	20" x 2½" x 1½", Mall. Castings, Grit 12-16, Grade Q., R.P.M. 1,080	"	2	do.	*3 8 9	
3219	20" x 2½" x 1½", Finishing Brass Castings, Grit 24-30, Grade P., R.P.M. 1,080	"	3	do.	*4 1 0	

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

## GRINDSTONES AND ABRASIVE WHEELS—continued.

Wheels, Abrasive—continued.						
3220	20" x 2½" x 1½", Coppersmiths' use, Grit 24, Grade P., R.P.M. 1,080	Switz.	1	each	*4 1 0	} Frank Wells Pty. Ltd.
3221	20" x 2½" x 9", H.S. Tools, Wet, Grit 24, Grade O., R.P.M. 1,080	,,	1	do.	*3 6 6	
3222	24" x 1¾" x 2¾", Universal, Grit 20, Grade P.,	U.K.	2	do.	*4 18 0	} J. Danks & Son Pty. Ltd.
3223	24" x 2½" x 10½", Sellars Grinders, Recessed and angular face, Grit 24, Grade L.,	,,	1	do.	*6 2 6	
3224	24" x 3" x 2", H.S. Steel Tools, Grit 24-36, Grade O.P., R.P.M. 920	Switz.	2	do.	*5 19 0	} Frank Wells Pty. Ltd.
3225	24" x 3" x 1½", Grinding High Speed Steel Tools, Grit 24, Grade P., R.P.M. 920	,,	2	do.	*5 19 0	
3226 to 3329	} Nil					

## BURNERS, LAMPWARE, MANTLES, ETC.

The Mantles supplied under Items 3344 to 3346 shall be constructed of the best materials saturated with proper proportions of the oxides of Thorium and Cerium. The weight of oxides of Thorium and Cerium present in proportion to the total weight of the mantle shall be taken as an indication of the quality of the mantle.

The Mantles shall have the highest photometric value.

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

(a) A sample Mantle shall be adjusted to a gas burner and burned off for five minutes.

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

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

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

The wicks delivered under Items Nos. 3351 to 3355 must be true to size.

As regards Items Nos. 3345—Mantles—the Contractor has been advised in the letter of acceptance to bring forward at least 50 per cent. of the estimated requirements and covering order should be issued by the Storehouse Manager early in July.

As regards Item No. 3345, orders are to be placed in lots of not less than 50 dozen and fourteen weeks allowed for delivery.

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

The rates do not include Sales Tax.

Burners—						
3330	Acetylene, 2 Light .. .. .	..	..	dozen	..	} Nil
*3331	Burning Off Lamps .. .. .	..	10	do.	..	
†3332	Kerosene, Cosmo, No. 14 .. .. .	..	90	do.	..	
†3333	" 1", Star, or any alternative .. .. .	..	400	do.	..	
3334	Primus, No. 1 Stove .. .. .	..	..	do.	..	
*3335	Collars, Brass, 1" .. .. .	..	..	do.	..	
†3336	Lamps, Hurricane .. .. .	..	..	each	..	
†3337	" Paint, burning off, 1 pint .. .. .	..	20	do.	..	
†3338	" Trackwalkers' .. .. .	..	..	do.	..	

Item No.	Description.	Country of Manufacture.	Estimated Requirements,	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
BURNERS, LAMPWARE, MANTLES, ETC.—continued.						
	Lux Lamp Parts—					
*3339	Membranes, 3 in set .. .. .	..	..	set	..	} Nil
*3340	Nipples .. .. .	..	..	dozen	..	
*3341	Sockets, Nipple .. .. .	..	..	do.	..	
*3342	Tubes, Burner .. .. .	..	..	do.	..	
*3343	Tubing, Kerosene .. .. .	..	..	yard	..	
	Mantles, Incandescent—					
+3344	Petrol Air Gas, 50 C.P., Upright .. .. .	..	..	dozen	..	} McMicking & Co.
+3345	Lux Lamp, 700 C.P. " .. .. .	U.K.	100 doz.	do.	*0 12 6	
+3346	Small Bland, Inverted .. .. .	..	18 "	do.	..	
3347	Prickers, for Primus Burners .. .. .	..	20 "	"	..	
	Unions, Brass Barrel—					
+3318	For Iron, ¾" .. .. .	..	}	{ do.	..	} Nil
3349	" " " .. .. .	..		{ do.	..	
+3350	Wick, Ball, Lamp .. .. .	..		{ 4 cwt.	cwt.	
+3351	" Cosmo, 8" long, No. 14 .. .. .	..	30 doz.	dozen	..	
	Wick, Cotton, Kerosene, 3" long—					
+3352	¼" .. .. .	..	2,000 doz.	do.	..	
+3353	½" .. .. .	..	250 "	do.	..	
+3354	¾" .. .. .	..	..	do.	..	
+3355	1½" .. .. .	..	100 doz.	do.	..	
LAMP GLASSES, ETC.						
	Chimneys—					
*3356	Cosmo Lamp, No. 14 .. .. .	Vict.	80 doz.	dozen	0 7 9	} Dott & Co. Pty. Ltd.
*3357	" " Short .. .. .	"	150 "	do.	0 8 3	
+3358	Incandescent Gas, with side holes, 6½" .. .. .	..	..	do.	..	} Nil
*3359	Lamp, large slip .. .. .	Vict.	350 doz.	do.	0 7 6	
*3360	Roof Lamp .. .. .	"	40 "	do.	0 5 0	} Dott & Co. Pty. Ltd.
	Glasses, Lamp—					
*3361	Bent, Green, 4¾" diameter .. .. .	..	90 "	do.	..	} Nil
*3362	" " 5½" diameter .. .. .	..	11 "	do.	..	
*3363	" Lux Lamp .. .. .	..	20 "	do.	..	
*3364	" Ruby, 4" diameter .. .. .	..	..	do.	..	
*3365	" " 4¾" diameter .. .. .	..	60 "	do.	..	
*3366	" " 5½" diameter .. .. .	..	30 "	do.	..	} Dott & Co. Pty. Ltd.
*3367	Bottom, for Roof Lamps .. .. .	Vict.	12 "	do.	2 8 0	
	Front, for Hand Signal Lamps—					
3368	Clear Circles, 5" diameter .. .. .	U.K. & Vict.	60 "	do.	0 7 6	} Brooks, Robinson & Co. Ltd.
3369	" " 5½" diameter .. .. .	"	12 "	do.	0 8 0	
*3370	Gate, Ruby, 5" .. .. .	..	..	do.	..	} Nil
*3371	" " 6" .. .. .	..	..	do.	..	
*3372	Hurricane, Ruby .. .. .	..	4 doz.	do.	..	} Dott & Co. Pty. Ltd.
*3373	" White .. .. .	Vict.	10 "	do.	0 8 0	
	Globes—					
3374	Pintsch Gas, 6", clear .. .. .	..	..	do.	..	} Nil
3375	" " 6", frosted .. .. .	Vict.	30 "	do.	1 3 0	
*3376	" " 8", clear .. .. .	"	30 "	do.	1 16 0	} Dott & Co. Pty. Ltd.
3377	" " 8", frosted .. .. .	"	50 "	do.	1 18 0	
3378	" " 10", clear .. .. .	"	7 "	do.	2 2 0	
3379	" " 10", frosted .. .. .	"	7 "	do.	2 5 0	
*3380	Bland, large .. .. .	"	25 "	do.	0 7 0	
	Lenses—					
*3381	Ruby, 4" .. .. .	..	3 "	do.	..	} Nil
*3381A	Clear, 2" .. .. .	..	18 "	do.	..	
*3382	" 4" .. .. .	..	6 "	do.	..	
*3383	" 6" .. .. .	..	25 "	do.	..	
	Lenses, Concentric, 5" diameter x 3½" focal length—					
*3384	Clear .. .. .	..	50 "	do.	..	} Nil.
*3385	Red .. .. .	..	50 "	do.	..	
3386 to 3387	Nil.					

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

## NUTS, RIVETS, AND SPIKES, ETC.

The nuts shown opposite Items 3389 to 3409A (inclusive), 3417 to 3419 (inclusive), 3423 to 3427 (inclusive), and 3429B to 3429E (inclusive) shall be in accordance with B.S. Specification No. 190-1924.

The square nuts shown opposite Item 3413 shall be in accordance with that shown for hexagon nuts, in regard to the width across the flats and the height, in B.S.S. No. 190/1924.

The hexagon portion of the nuts shown opposite the Items 3428, 3429, and 3429A shall be in accordance with Table II. from B.S.S. No. 28/1908.

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

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

The rates do not include Sales Tax.

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

NUTS.						
Nuts, Bright, Mild Steel, Hexagon, Pressed and Finished—						
3388	5/32", thick	..	..	..	4 gross	gross
3388A	3/16" "	..	..	..	2 "	do.
3389	1/2" "	..	..	..	20 "	do.
3390	5/8" "	..	..	..	22 "	do.
3391	3/4" "	..	..	..	36 "	do.
3392	7/8" "	..	..	..	4 "	do.
3393	1" "	..	..	..	20 "	do.
3394	1 1/8" "	..	..	..	50 "	do.
3395	1 1/4" "	..	..	..	20 "	do.
3396	1 1/2" "	..	..	..	30 "	do.
3397	1 3/4" "	..	..	..	10 "	do.
3398	1 7/8" "	..	..	..	4 "	do.
3399	2" "	..	..	..	4 "	do.
3400	1 1/2" "	..	..	..	1 "	do.
3401	1 1/4" "	..	..	..	1 "	do.
3401A	1 1/2" thin	..	..	..	1 "	do.
3402	1 3/4" "	..	..	..	1 "	do.
3403	2" "	..	..	..	6 "	do.
3404	2 1/4" "	..	..	..	10 "	do.
3405	2 1/2" "	..	..	..	6 "	do.
3406	2 3/4" "	..	..	..	7 "	do.
3407	3" "	..	..	..	3 "	do.
3408	1 1/2" "	..	..	..	1 "	do.
3409	1 3/4" "	..	..	..	1 "	do.
3409A	1 7/8" "	..	..	..	1 "	do.
Nuts, Bright, Mild Steel, Square, Pressed and Finished—						
3410	1/2" "	..	..	..	..	..
3411	5/32" "	..	..	..	1 gross	gross
3412	3/8" "	..	..	..	7 "	do.
3413	1/2" "	..	..	..	12 "	do.
Nuts, Brass, Hexagon, Thick, Pressed, Whitworth Thread—						
3414	1/2" "	..	..	..	12 gross	gross
3415	5/32" "	..	..	..	..	..
3416	3/8" "	..	..	..	50 gross	gross
3417	1/2" "	..	..	..	20 "	do.
3418	5/8" "	..	..	..	7 "	do.
3419	3/4" "	..	..	..	..	..
3420	Nuts, Brass, Butterfly, 1/2" "	..	..	..	12 doz.	dozen
3421	" " " 5/8" "	..	..	..	..	..
3422	" " " 3/4" "	..	..	..	1 doz.	dozen
Nuts, Castle, Hexagon, Finished—						
3423	1/2" "	..	..	..	1 gross	gross
3424	5/8" "	..	..	..	2 "	do.
3425	3/4" "	..	..	..	1 "	do.
3426	7/8" "	..	..	..	2 "	do.
3427	1" "	..	..	..	1 "	do.
3428	Nuts, Castle, Black, 1" "	..	..	..	..	..

Nil

Nil

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
NUTS, RIVETS, AND SPIKES, ETC.— <i>continued.</i>						
NUTS— <i>continued.</i>						
†3429	Nuts, Slotted, Hexagon, Black, $\frac{3}{4}$ "	..	5 gross	gross	..	} Nil
3429A	" " " " " "	..	2 "	do.	..	
†3429B	Nuts, Slotted, Hexagon, Finished— $\frac{5}{8}$ "	..	5 "	do.	..	
†3429C	" " " " " "	..	5 "	do.	..	
†3429D	" " " " " "	..	5 "	do.	..	
†3429E	" " " " " "	..	5 "	do.	..	} Nil
3430	Rivets, Copper, with or without burrs, any sizes, as ordered	..	250 lb.	lb.	..	
3431	" " bifurcated, No. 9, in boxes of approx. 9 dozen	U.K.	4 boxes	box	*0 0 6	} Briscoe & Co. Ltd.
3432	" Iron, tinned, any sizes ordered	Vict.	1,200 lb.	lb.	0 0 7½	
*3433	Rods, Tie, Mild Steel, 9' x $\frac{3}{4}$ ", threaded back 7" one end, 3" the other, fitted with one hexagon nut one end and two hexagon nuts and three 2½" x 2½" flat washers the other end	..	..	..	..	Nil
*3434	Shoes, Pile	Vict.	60	each	0 7 7	McPherson's Pty. Ltd.
3435	Spiques, round, chisel, or diamond pointed, as ordered, any sizes ordered	"	150 cwt.	cwt.	1 3 6	G. F. Sewell Pty. Ltd.
3436	" " drift, any sizes ordered	"	3 "	do.	0 17 3	McPherson's Pty. Ltd.
	Washers, Bright Mild Steel, Finished, Round Plate—					
3437	$\frac{3}{16}$ " round hole	..	..	..	..	Nil
3438	$\frac{1}{4}$ " " " " " "	U.K.	50 gross	gross	*0 1 3	} McPherson's Pty. Ltd.
3438A	5/16" " " " " "	..	1 "	do.	*0 1 8	
3439	" " " " " "	..	10. "	do.	*0 1 10	
3440	" " " " " "	..	8 "	do.	*0 3 0	
3441	" " " " " "	..	1 "	do.	..	Nil
3442	" " " " " "	..	..	..	..	..
to	Nil.					
3449						

## PLUMBERS' MATERIAL (CAST IRON AND LEADWARE).

With the exception of Items Nos. 3450-3453, 3455, 3456, 3458-3462, 3464A, 3479, 3480, 3482, 3483, and 3489—the rates do not include Sales Tax.

CAST IRONWARE.						
	Bends, Soil Pipe, $\frac{5}{16}$ " Metal, any angles ordered—					
3450	3" .. .. .	Vict.	2	each	0 5 9	} J. & T. Muir Pty. Ltd.
3451	4" .. .. .	"	30	do.	0 8 0	
	Branches, Soil Pipe, $\frac{5}{16}$ " Metal, looking up or down, any angles ordered—					
3452	3" x 2" (spigot ends to be 10" longer than standard size)	"	2	do.	0 9 0	} J. & T. Muir Pty. Ltd.
3453	3" x 3" .. .. .	"	1	do.	0 6 6	
3454	4" x 2" .. .. .	..	..	do.	..	Nil
3455	4" x 3" .. .. .	Vict.	2	do.	0 10 6	} J. & T. Muir Pty. Ltd.
3456	4" x 4" .. .. .	"	16	do.	0 10 6	
†3457	Cocks, 3" Fullway, H.P., Brass Gate Valves	..	30	do.	..	Nil
3458	Covers, Boundary Top, No. 197	Vict.	1	do.	0 2 6	} J. & T. Muir Pty. Ltd.
3459	" " " " No. 198	"	1	do.	0 8 6	
3460	Fittings, No. 215, with straight or oval branch, as ordered	"	4	do.	0 10 0	
	Gratings, Galvanized—					
3461	No. 24A .. .. .	"	12	do.	0 0 6½	} Nil
3462	No. 61 .. .. .	"	50	do.	0 0 10	
3463	For Floor Traps	..	..	do.	..	Nil
3464	Inlets, level, 2" out of 4"	Vict.	4	do.	0 8 6	} John Danks & Son Pty. Ltd.
3464A	" " 3" out of 4"	"	8	do.	0 11 0	
3464B	" " 4" out of 4"	"	4	do.	0 11 6	John Danks & Son Pty. Ltd.

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

PLUMBERS' MATERIAL (CAST IRON AND LEADWARE)—*continued.*

CAST IRONWARE—continued.																	
3465	Inlets, Double, Level, 2" out of 4" to 4" out of 4", as ordered	..	2	each	..												
Pieces, Extension, Closet—																	
3466	4" diameter x 6"	..	..	..	..	}	Vict.	Nil	}	Nil							
3467	4" diameter x 9"	..	..	..	..												
3468	4" diameter x 12"	..	..	..	..												
3469	4" diameter x 15"	..	..	..	..												
3470	4" diameter x 18"	..	..	..	..												
3471	4" diameter x 24"	..	..	..	..												
Pieces, Extension—																	
3472	6" diameter x 6"	..	..	..	..	}	Vict.	Nil	}	Nil							
3473	6" diameter x 9"	..	..	..	..												
3474	6" diameter x 12"	..	..	..	..												
3475	6" diameter x 15"	..	..	..	..												
3476	6" diameter x 18"	..	..	..	..												
3477	6" diameter x 24"	..	..	..	..												
Pipe, Soil, $\frac{5}{8}$ " Metal—																	
3478	3" x 3' lengths	..	..	..	..	}	Vict.	2	each	0 12 6	}	J. & T. Muir Pty. Ltd.					
3479	3" x 6' lengths	..	..	..	..								}	"	7	do.	0 12 0
3480	4" x 3' lengths	..	..	..	..												
3481	4" x 6' lengths	..	..	..	..								}	"	4 lengths	do.	1 2 6
3482	4" x 9' lengths	..	..	..	..	}	"	4	do.	0 15 9							
3483	4" x 3' lengths, with inspection opening	..	..	..	..						}	Vict.	15	do.	0 2 10		
3484	Sockets, 3" diameter	..	..	..	..	}	"	15	do.	0 2 10							
3485	" 4" diameter	..	..	..	..						}	"	15	do.	0 2 10		
3486	Tops, Adjustable, 2" out of 4" to 4" out of 4", as ordered	..	..	..	..	}	"	..	..	..							
3487	" " with oval branch vertical or horizontal, as required	..	..	..	..						}	"	..	..	..		
3488	" Gully, square, No. 24A	..	..	..	..	}	Vict.	7	each	0 10 6							
3489	Traps, Disconnecter, No. 23	..	..	..	..						}	"	..	..	..		
3490	" Floor, 2", with grating, for cast pipe	..	..	..	..	}	"	..	..	..							
3491	" " " " wrought pipe	..	..	..	..						}	"	4	each	..		
3492	" Gully, No. 24	..	..	..	..	}	"	9	do.	..							
3493	" Silt, 6", with 4" outlet, with bucket and round or square grating (light), as ordered	..	..	..	..						}	"	1	do.	..		
3494	" Urinal, 3", with spigot ends	..	..	..	..	}	"	1	do.	..							
LEADWARE, ETC.																	
3495	Cones, No. 8	..	..	..	..	Vict.	90	do.	0 0 3 $\frac{1}{2}$	John Danks & Son Pty. Ltd.							
3496	" No. 10	..	..	..	..	Vict.	13 cwt.	cwt.	1 17 6	John Danks & Son Pty. Ltd.							
3497	Pipe, Lead, any sizes ordered	..	..	..	..	Vict.	13 cwt.	cwt.	1 17 6	John Danks & Son Pty. Ltd.							
3498	(Bz) " " " "	..	..	..	..	..	..	..	..	..							
3499	(Ba) " " " "	..	..	..	..	..	..	..	..	..							
3500	Pipe Lead, Tin lined, heavy beer, any sizes ordered	..	..	..	..	..	..	..	..	..							
Traps, solid drawn, with wiped trap screws—																	
3501	P., 1 $\frac{1}{4}$ "	..	..	..	..	..	20	each	..	..							
3502	(Ba) P., 1 $\frac{1}{4}$ "	..	..	..	..	..	..	..	..	..							
3503	P., 1 $\frac{1}{2}$ "	..	..	..	..	..	..	..	..	..							
3504	P., 2"	..	..	..	..	..	10	each	..	..							
3505	(Ba) P., 2"	..	..	..	..	..	..	..	..	..							
3506	S., 1 $\frac{1}{4}$ "	..	..	..	..	..	2	..	..	..							
3507	S., 1 $\frac{1}{2}$ "	..	..	..	..	..	..	..	..	..							
3508	S., 2"	..	..	..	..	..	2	each	..	..							
3509	to Nil.	..	..	..	..	..	..	..	..	..							
3514		..	..	..	..	..	..	..	..	..							



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

## PLUMBERS' GOODS (BRASSWARE).

The Stores supplied under items marked (M) shall be in accordance with the Melbourne and Metropolitan Board of Works' new standard, which is operative from 1.1.1929, and shall be tested by the Melbourne and Metropolitan Board of Works, and shall bear that Board's test marks before delivery. Item 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 the railway stations or to the Works Storehouses at Ballarat or Bendigo respectively.

The rates quoted by Shanks & Co. Pty. Ltd. and Davies Shephard Pty. Ltd. include Sales Tax. The balance of the items are plus Sales Tax.

<b>Brassware—</b>						
<b>Bends, plain, any angles ordered—</b>						
3515	(M) 1½"	.. .. .	Vict.	4	each	0 1 7 Galliers & Klaerr Pty. Ltd.
3516	(BE) 1½"	.. .. .	..	..	..	Nil
3517	(BA) 1½"	.. .. .	..	2	each	..
3518	(M) 1½"	.. .. .	Vict.	4	do.	0 1 10½ Galliers & Klaerr Pty. Ltd.
3519	(BE) 1½"	.. .. .	..	1	do.	.. Nil
3520	(BA) 1½"	.. .. .	..	1	do.	..
3521	(M) 2"	.. .. .	Vict.	2	do.	0 2 4½ Galliers & Klaerr Pty. Ltd.
3522	(BE) 2"	.. .. .	..	..	..	.. Nil
3523	(BA) 2"	.. .. .	..	..	..	..
<b>Bends, with inspection opening, any angles ordered—</b>						
3524	(M) 1½"	.. .. .	Vict.	18	each	0 1 10½ Galliers & Klaerr Pty. Ltd.
3525	(BE) 1½"	.. .. .	..	4	do.	.. Nil
3526	(BA) 1½"	.. .. .	..	5	do.	..
3527	(M) 1½"	.. .. .	Vict.	7	do.	0 2 3 Galliers & Klaerr Pty. Ltd.
3528	(BE) 1½"	.. .. .	..	2	do.	.. Nil
3529	(BA) 1½"	.. .. .	..	..	..	..
3530	(M) 2"	.. .. .	Vict.	40	each	0 2 10 Galliers & Klaerr Pty. Ltd.
3531	(BE) 2"	.. .. .	..	9	do.	0 3 9 John Danks & Son Pty. Ltd.
3532	(BA) 2"	.. .. .	..	1	do.	0 3 9
<b>Bushes—</b>						
3533	½" x ¾", gas threads	.. .. .	..	15	do.	.. Nil
3534	¾" x 1", gas threads	.. .. .	..	..	..	..
3535	1" x 1½", gas threads	.. .. .	..	..	..	..
3536	1½" x 1½", gas threads	.. .. .	Vict.	1	each	0 1 3 John Danks & Son Pty. Ltd.
3537	1½" x 2", gas threads	.. .. .	..	..	..	.. Nil
*3538	1" x ¾", brass threads	.. .. .	Vict.	50	each	0 0 9 Reeve & Marshall Pty. Ltd.
<b>Caps and Linings—</b>						
3539	(M) 1½"	.. .. .	..	..	..	.. Nil
3540	(BE) 1½"	.. .. .	..	..	..	..
3541	(BA) 1½"	.. .. .	..	..	..	..
3542	(M) 1½"	.. .. .	..	..	..	..
3543	(BE) 1½"	.. .. .	..	..	..	..
3544	(BA) 1½"	.. .. .	..	..	..	..
3545	(M) 2"	.. .. .	..	..	..	.. Nil
3546	(BE) 2"	.. .. .	..	..	..	..
3547	(BA) 2"	.. .. .	..	..	..	..
3548	(M) 3"	.. .. .	..	..	..	..
3549	(M) Cocks, Ball, Automatic, ½"	.. .. .	..	..	..	..
<b>Cocks, Ball, high or low pressure, as ordered—</b>						
*3550	(M) ½", long levers, for cisterns	.. .. .	Vict.	75	each	0 4 10 John Danks & Son Pty. Ltd.
*3551	(M) ¾", standard tested	.. .. .	..	30	do.	0 7 0
*3552	(M) 1", Croydon	.. .. .	..	2	do.	0 8 3

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
<b>PLUMBERS' GOODS (BRASSWARE)—continued.</b>						
	Cocks, Ball—					
†3553	(M) $\frac{1}{2}$ " standard tested .. ..	..	..	..	..	Nil
3554	$\frac{3}{4}$ " Croydon 154 .. ..	Vict.	2	each	0 6 9	J. Danks & Son Pty. Ltd.
†3555	1" Croydon 154 .. ..	..	..	..	..	Nil
3556	$\frac{1}{2}$ " Croydon 154 .. ..	..	..	..	..	Nil
3557	(M) $1\frac{1}{4}$ " Lambert's pattern .. ..	Vict.	2	each	1 2 6	John Danks & Son Pty. Ltd.
3558	(M) $1\frac{1}{2}$ " Lambert's pattern .. ..	..	10	do.	1 9 0	
3559	(M) 2" Lambert's pattern .. ..	"	7	do.	1 16 0	
3560	(M) 3" Lambert's pattern .. ..	"	2	do.	3 10 0	
†3561	(M) Cocks, Bib, Gully, H.P., $\frac{1}{2}$ " ..	..	..	..	..	Nil
	Cocks, Range, with brass keys and nuts—					
3562	$\frac{1}{2}$ " .. ..	..	..	..	..	Nil
3563	$\frac{3}{4}$ " .. ..	Vict.	150	each	0 2 2	John Danks & Son Pty. Ltd.
3564	1" .. ..	..	..	..	..	Nil
	Cocks, Mill, Brass—					
3565	(M) "A" design to Litho. No. L.884/11 ..	Vict.	7	each	2 17 0	Davies, Shephard Pty. Ltd.
3566	(M) "B" design to Blue Print No. 1090/08 ..	"	7	do.	2 17 0	
3567	(M) "C" design to Blue Print No. 1090/08 ..	"	1	do.	2 17 0	
	Cocks, Ferruled, Stop, for Lead or Iron, as ordered—					
3568	(M) $\frac{1}{2}$ " tested .. ..	..	..	..	..	Nil
*3569	$\frac{1}{2}$ " medium .. ..	..	..	..	..	Nil
3570	(M) $\frac{3}{4}$ " .. ..	Vict.	9	each	0 4 9	Galliers & Klaerr Pty. Ltd.
*3571	$\frac{3}{4}$ " medium .. ..	..	..	..	..	Nil
3572	(M) 1" .. ..	..	4	each	..	Nil
3573	(M) Over 1", as ordered .. ..	Vict.	40 lb.	lb.	0 2 11	John Danks & Son Pty. Ltd.
	Cocks, Fullway, H. P.—					
3574	(M) $\frac{1}{2}$ " .. ..	..	15	each	0 3 9	Wm. Adams & Co. Ltd.
3575	(M) $\frac{3}{4}$ " .. ..	..	7	do.	0 4 11	
3576	(M) 1" .. ..	..	5	do.	0 5 11	
3577	(M) $1\frac{1}{4}$ " .. ..	..	9	do.	0 7 11	
3578	(BE) $1\frac{1}{4}$ " .. ..	..	1	do.	0 8 10	John Danks & Son Pty. Ltd.
3579	(BA) $1\frac{1}{4}$ " .. ..	..	..	..	..	Nil
3580	(M) $1\frac{1}{2}$ " .. ..	Vict.	10	each	0 9 8	Wm. Adams & Co. Ltd.
3581	(M) 2" .. ..	..	7	do.	0 14 3	John Danks & Son Pty. Ltd.
3581 A	(M) 3", brass gate valves .. ..	..	2	do.	2 0 0	Nil
3582	(M) Cocks, Spring, $\frac{3}{4}$ ", Bib or Right Angle, as ordered ..	..	..	..	..	Nil
	Cocks, Stop, with Unions, H.P.—					
†3583	(M) $\frac{1}{2}$ " .. ..	Vict.	130	each	0 3 0	Galliers & Klaerr Pty. Ltd.
3584	(BE) $\frac{1}{2}$ " .. ..	..	..	..	..	Nil
3585	(BA) $\frac{1}{2}$ " .. ..	Vict.	6	each	0 3 7	John Danks & Son Pty. Ltd.
†3586	(M) Cocks, Toilet, Nickelplated, H.P., $\frac{1}{2}$ " ..	..	..	..	..	Nil
	Cocks, Bib or Stop, Nickelplated, H.P., labelled Hot or Cold, as ordered, for Iron—					
†3587	(M) $\frac{1}{2}$ " .. ..	..	..	..	..	Nil
†3588	(M) $\frac{3}{4}$ " .. ..	..	..	..	..	Nil
	Cocks, Water, H.P., Bib or Stop, for Lead or Iron, as ordered—					
†3589	(M) $\frac{1}{2}$ " .. ..	Vict.	180	each	0 2 2½	McPherson's Pty. Ltd.
3590	(BE) $\frac{1}{2}$ " .. ..	..	2	do.	..	Nil
3591	(BA) $\frac{1}{2}$ " .. ..	..	..	..	..	Nil
*3592	$\frac{1}{2}$ " .. ..	..	..	..	..	Nil
†3593	(M) $\frac{3}{4}$ " .. ..	..	250	each	0 3 3	John Danks & Son Pty. Ltd.
3594	(BE) $\frac{3}{4}$ " .. ..	..	..	..	..	Nil
3595	(BA) $\frac{3}{4}$ " .. ..	Vict.	6	each	0 4 0	John Danks & Son Pty. Ltd.
*3596	$\frac{3}{4}$ " .. ..	..	..	..	..	Nil
†3597	(M) 1" .. ..	Vict.	25	each	0 6 6	McPherson's Pty. Ltd.

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., Bib or Stop, for Lead or Iron, as ordered— <i>continued.</i>					
3598	(Be) 1" .. .. .	..	..	..	..	} Nil
3599	(Ba) 1" .. .. .	..	..	..	..	
*3600	1" .. .. .	..	..	..	..	
†3601	(M) Over 1", as ordered .. ..	Vict.	56 lb.	lb.	0 2 9	John Danks & Son Pty. Ltd.
	Connexions, Lead to Iron—					
3602	(M) 1½" .. .. .	..	..	..	..	} Nil
3603	(M) 1½" .. .. .	..	..	..	..	
3604	(M) 2" .. .. .	..	..	..	..	
3605	(M) 3" .. .. .	..	..	..	..	
*3606	Couplings or Unions, except Fire Hose Couplings, any sizes and threads ordered	Vict.	150 lb.	lb.	0 2 11	John Danks & Son Pty. Ltd.
3607	Directors, Water, with nozzles only, ½" ..	..	} 24	each	0 0 10½	} Galliers & Klaerr Pty. Ltd.
3607A	" " " " " ¾" ..	..		do.	0 1 3	
3607B	" " " " " 1" ..	..		do.	0 2 6	
*3608	" " " " " Fire Brigade pattern, any sizes and threads ordered	..		..	..	
*3609	Elbows, Brass, 1" brass threads .. ..	Vict.	36	each	0 1 1	John Danks & Son Pty. Ltd.
	Ferrules, Straight Union, for Lead or Iron, as ordered—					
3610	(M) ½" .. .. .	..	2	do.	0 1 6	} Wm. Bedford Ltd.
3611	(M) ¾" .. .. .	..	12	do.	0 2 3	
3612	(M) 1" .. .. .	..	2	do.	..	} Nil
3613	(M) Over 1", as ordered .. ..	..	..	..	..	
*3614	Gratings, Urinal, Brass .. ..	Vict.	12	each	0 7 6	} John Danks & Son Pty. Ltd.
	Junctions, any angles ordered—					
3615	(M) 1½" x 1½", plain .. ..	..	4	do.	0 2 7	} Nil
3616	(M) 1½" x 1½", with inspection opening ..	..	4	do.	0 3 5	
3617	(Be) 1½" x 1½", with inspection opening ..	..	3	do.	..	} Nil
3618	(Ba) 1½" x 1½", with inspection opening ..	..	2	do.	..	
3619	(M) 1½" x 1½", plain .. ..	..	} ..	} ..	} ..	} Nil
3620	(Be) 1½" x 1½", plain .. ..	..				
3621	(Ba) 1½" x 1½", plain .. ..	..				
3622	(M) 1½" x 1½", with inspection opening ..	..				
3623	(Be) 1½" x 1½", with inspection opening ..	..				
3624	(Ba) 1½" x 1½", with inspection opening ..	..				
3625	(M) 1½" x 1½", plain .. ..	..				
3626	(Be) 1½" x 1½", plain .. ..	..				
3627	(Ba) 1½" x 1½", plain .. ..	..				
3628	(M) 1½" x 1½", with inspection opening ..	..				
3629	(Be) 1½" x 1½", with inspection opening ..	..				
3630	(Ba) 1½" x 1½", with inspection opening ..	..				
3631	(M) 2" x 1½", plain .. ..	..				
3632	(M) 2" x 1½", with inspection opening ..	..				
3633	(M) 2" x 1½", plain .. ..	..				
3634	(Be) 2" x 1½", plain .. ..	..				
3635	(Ba) 2" x 1½", plain .. ..	..				
3636	(M) 2" x 1½", with inspection opening ..	..				
3637	(Be) 2" x 1½", with inspection opening ..	..				
3638	(Ba) 2" x 1½", with inspection opening ..	..				
3639	(M) 2" x 2", plain .. ..	Vict.	7	each	0 4 3	John Danks & Son Pty. Ltd.
3640	(Be) 2" x 2", plain .. ..	..	} ..	} ..	} ..	} Nil
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 ..	..				
	Nipples—					
3645	½", Plain .. .. .	Vict.	50	each	0 0 3½	John Danks & Son Pty. Ltd.
3645A	½", Hexagon .. .. .	..	50	do.	..	} Nil
3646	¾", Plain .. .. .	..	6	do.	..	
3646A	¾", Hexagon .. .. .	..	6	do.	..	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
<b>PLUMBERS' GOODS (BRASSWARE)—continued.</b>						
	Nuts, Rings and Tails, in sets—					
*3647	$\frac{1}{2}$ " .. .. .	Vict.	9 sets	set	0 0 10	John Danks & Son Pty. Ltd.
*3648	$\frac{3}{4}$ " .. .. .	"	40 "	do.	0 1 2	
*3649	1" .. .. .	"	6 "	do.	..	
3650	(M) Pieces, Extension, 2" diameter, any lengths ordered	Vict.	50 in.	inch	0 0 5	Galliers & Klaerr Pty. Ltd.
	Plugs, Brass, long taper—					
3651	$\frac{1}{2}$ " .. .. .	..	4	each	..	Nil
3652	$\frac{3}{4}$ " .. .. .	..	4	do.	..	
3653	1" .. .. .	..	4	do.	..	
3654	(M) Plugs and Washers, round or square, any sizes, as ordered	..	..	..	..	
3655	(M) Plugs and Washers, bath, fullway, 2", screwed	..	..	..	..	
3656	Rings, Hose, $\frac{1}{2}$ " .. .. .	Vict.	2	each	0 0 3 $\frac{1}{2}$	Galliers & Klaerr Pty. Ltd.
3657	" " $\frac{3}{4}$ " .. .. .	"	30	do.	0 0 4	
3658	" " 1" .. .. .	"	..	..	..	
	Sleeves, Beaded—					
3659	(M) 3" .. .. .	..	..	..	..	Nil
3660	(M) 4" .. .. .	..	..	..	..	
*3661	Sparges, Urinal, Brass, $\frac{3}{4}$ ", brass threads	..	15	each	..	Shanks & Co. Pty. Ltd.
3662	Tail, Cistern, Brass reducing, screwed for 1" gas thread	Vict.	15	do.	0 2 9	
*3663	Tees, Brass, 1", brass threads	..	..	..	..	Nil
*3664	Tees, Brass, Reducing, 1 $\frac{1}{4}$ " x 1", 1" gas thread and 1" brass thread	Vict.	15	each	0 2 9	John Danks & Son Pty. Ltd.
	Traps, with trap screw—					
3665	(M) P., 2" .. .. .	"	6	do.	0 5 9	Galliers & Klaerr Pty. Ltd.
3666	(BE) P., 2" .. .. .	..	3	do.	..	
3667	(BA) P., 2" .. .. .	..	..	..	..	Nil
3668	(M) S., 2" .. .. .	Vict.	2	each	0 6 6	
3669	(M) P., 1 $\frac{1}{2}$ " .. .. .	"	1	do.	0 3 9	Galliers & Klaerr Pty. Ltd.
3670	(BE) P., 1 $\frac{1}{2}$ " .. .. .	..	..	..	..	
3671	(M) S., 1 $\frac{1}{2}$ " .. .. .	..	..	..	..	Nil
3672	(BE) P., 1 $\frac{1}{2}$ " .. .. .	..	2	each	..	
	Tube, Brass, Solid Drawn, 16 gauge—					
3673	$\frac{1}{2}$ " .. .. .	..	..	..	..	Nil
3674	1" .. .. .	..	..	..	..	
3675	1 $\frac{1}{4}$ " .. .. .	..	..	..	..	
	Tube, Copper, Solid Drawn, 16 gauge—					
3676	$\frac{3}{4}$ " .. .. .	N.S.W.	90 lin. ft.	lin. ft.	0 0 10	John Danks & Son Pty. Ltd.
3677	1" .. .. .	"	140 "	do.	0 1 3	
3678	1 $\frac{1}{4}$ " .. .. .	"	70 "	do.	0 1 7	
*3679	Unions, Brass Barrel, 1", M. and F., brass threads	Vict.	7	each	0 1 9	John Danks & Son Pty. Ltd.
	Unions, Royle's Pattern, without rubbers—					
3680	$\frac{1}{2}$ " .. .. .	"	7	do.	0 0 8	Nil
3681	$\frac{3}{4}$ " .. .. .	"	12	do.	0 1 0	
3682	1" .. .. .	"	..	..	..	
	Valves, Flap, for lead or iron, as ordered—					
3683	(M) 1 $\frac{1}{2}$ " lead .. .. .	Vict.	2	each	0 1 9	Galliers & Klaerr Pty. Ltd.
3683A	(M) 1 $\frac{1}{2}$ " iron .. .. .	"	..	do.	0 2 1	
3684	(BE) 1 $\frac{1}{2}$ " .. .. .	..	..	..	..	Nil
3685	(BA) 1 $\frac{1}{2}$ " .. .. .	Vict.	3	each	0 2 11	
3686	(M) 2" .. .. .	..	..	..	..	Nil
3687	(BE) 2" .. .. .	..	..	..	..	
3688	(BA) 2" .. .. .	..	..	..	..	
	Valves, Steam, brass, with brass seats and valves, "Globe" type—					
3689	$\frac{1}{2}$ " .. .. .	Vict.	60	each	0 2 8 $\frac{1}{2}$	Wm. Adams & Co. Ltd.
3690	$\frac{3}{4}$ " .. .. .	"	30	do.	0 3 8 $\frac{1}{2}$	
3691	1" .. .. .	"	40	do.	0 5 7	
3692	1 $\frac{1}{2}$ " .. .. .	"	5	do.	0 7 5	
3693	1 $\frac{1}{2}$ " .. .. .	"	20	do.	0 9 5	
3694	2" .. .. .	"	5	do.	0 13 2	Nil
3695	2 $\frac{1}{2}$ " .. .. .	..	..	..	..	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
PLUMBERS' GOODS (BRASSWARE)—continued.						
3696	Wastes, Floor, screwed for lead floors— (M) 1½" .. .. .	Vict.	1	each	0 1 8	John Danks & Son Pty. Ltd.
3697	(BE) 1½" .. .. .	..	..	..	..	Nil
3698	(BA) 1½" .. .. .	Vict.	3	each	0 1 10	John Danks & Son Pty. Ltd.
3699	(M) 2" .. .. .	"	1	do.	0 1 10	Galliers & Klaerr Pty. Ltd.
3700	(BE) 2" .. .. .	..	..	..	..	} Nil
3701	(BA) 2" .. .. .	..	..	..	..	
3702 to 3705	} Nil					

**PLUMBERS' GOODS (BRAZED METAL).**

The rates do not include Sales Tax.

3706	Elbows, Gas Threads— 1" .. .. .	Vict.	15	each	0 1 0	John Danks & Son Pty. Ltd.
3707	1½" x ¾" .. .. .	..	..	do.	..	} Nil
3708	1½" .. .. .	Vict.	4	do.	0 1 5	
3709	Sockets, Gas Threads— ¾" .. .. .	"	20	do.	0 0 6	} John Danks & Son Pty. Ltd.
3710	1" .. .. .	"	7	do.	0 0 8	
3711	1½" .. .. .	"	7	do.	0 1 0	
3712	Tees, Gas Threads— 1" .. .. .	"	12	do.	0 1 1	
3713	1½" x ¾" .. .. .	"	30	do.	0 1 10	
3714	1½" .. .. .	"	2	do.	0 1 8	} Nil
3715	Unions, Gas Threads— 1" M. and F. .. .. .	"	15	do.	0 3 3	
3716	1" Female .. .. .	..	..	do.	..	
3717	1½" M. and F. .. .. .	Vict.	7	do.	0 4 3	
3718	1½" Female .. .. .	..	..	do.	..	Nil
3719 to 3725	} Nil					

**CHAIN (VARIOUS).**

The Chain supplied under Items 3726 to 3729 shall be what is known as "close link."

As regards Items 3730 to 3733 the links shall be of uniform shape and size, neatly and perfectly welded, so that the correct form is preserved throughout.

The Chain under Items 3726 to 3729 shall be supplied in lengths up to 200 feet, as ordered, and accompanied by a Proof Certificate from a public testing machine licensed by the Board of Trade. The Chain supplied under Items 3730 to 3733 shall be accompanied by a Proof Certificate from a public testing machine and be supplied in lengths as ordered.

The Proof Load of the Chain which the Tenderer tenders to supply under Items 3730 to 3733 shall be at least equal to that required by the British Admiralty, and the certificate to be furnished shall be in accordance with the same. If the Chain offered by any Tenderer is superior to the Admiralty standard, the Tenderer shall state, where provided for at the end of Schedule, the percentage of Proof Load the Chain will withstand above that of the Admiralty standard.

will withstand above that of the ordinary chain						
Chain, Iron, Wrought, "Best Best," Short						
Link Crane, self coloured—						
3726	$\frac{3}{8}$ "	..	..	..	15 cwt.	cwt. ..
3727	$\frac{7}{16}$ "	..	..	..	4 "	do. ..
3728	$\frac{1}{2}$ "	..	..	..	15 "	do. ..
3729	$\frac{3}{4}$ "	..	..	..	200 "	do. ..
Chain, Iron, Wrought, "Best Best," Short						
Link Crane, self coloured, $\frac{3}{16}$ " to 1", as						
ordered						
Chain, Iron, Wrought, Short Link Coil, self						
coloured—						
3730	$\frac{3}{16}$ "	..	..	..	2 "	do. ..
3731	$\frac{1}{4}$ "	..	..	..	35 "	do. ..
3732	$\frac{5}{16}$ " or $\frac{3}{8}$ ", as ordered	..	..	..	7 "	do. ..
3733	$\frac{7}{16}$ " or $\frac{1}{2}$ ", as ordered	..	..	..	10 "	do. ..
3734	} Nil					
to						
3740						

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

## 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  $\frac{1}{2}$ " diameter Tubing (tube not required). The other edge and both ends to be formed of  $\frac{3}{16}$ " diameter wire. Standard mesh to be woven. Nets shall be formed to suit brackets in accordance with sample. No tinning required.

With the exception of the following items, all rates are exclusive of Sales Tax.

As regards Items Nos. 3741 to 3749, 3753, 3758, 3760, 3762, 3764, 3794, 3796, 3799, 3805, and 3807 to 3812 Sales Tax will be borne by the Contractor.

As regards Items Nos. 3741, 3743, 3744, and 3753, should it be necessary to purchase Brass Wire of these gauges for Welding purposes, same shall not be regarded as an infringement of this Contract.

As regards Items Nos. 3757 and 3765, the rates are based on the price of £55 10s. per ton for Electrolytic Copper Wire Bars published in the *Argus* newspaper, Melbourne, on 5.12.30, and are to be varied up or down by one-tenth of 1d. per lb. of Copper for each complete 17s. 6d. or part thereof, by which the price of Wire Bars published in the *Argus* (on the date of receipt of an order) is greater than £56 4s. 11d. per ton or less than £55 7s. 6d. per ton respectively. If no price of Wire Bars is published on any day, the price last published earlier shall apply.

WIRE.									
Wire, Brass, Hard or Soft Rolled, as ordered— (not to be ordered for Welding)—									
3741	6 gauge	..	..	..	Vict.	50 lb.	lb.	0 1 1½	Melbourne Wire Works
3742	7 "	..	..	..	"	25 "	do.	0 1 1½	
3743	8 "	..	..	..	"	5 "	do.	0 1 1½	
3744	10 "	..	..	..	"	5 "	do.	0 1 1½	
3745	11 "	..	..	..	"	7 "	do.	0 1 1½	
3746	12 "	..	..	..	"	100 "	do.	0 1 1½	
3747	13 "	..	..	..	"	3 "	do.	0 1 1½	
3748	14 "	..	..	..	"	7 "	do.	0 1 1½	
3749	16 "	..	..	..	"	20 "	do.	0 1 1½	
3750	17 "	..	..	..	..	..	..	..	
3751	18 "	..	..	..	..	..	..	..	Nil
3752	24 "	..	..	..	..	..	..	..	
3753	¼"	..	..	..	Vict.	50 lb.	lb.	0 1 1½	Melbourne Wire Works
*3754	ire, Bronze, Phosphor—	..	..	..	..	..	..	..	Nil
3755	Spring, 15 gauge	..	..	..	..	..	..	..	
3756	Hard Drawn, 11 gauge	..	..	..	..	..	..	..	
	" " 12 "	..	..	..	..	..	..	..	
Wire, Copper, Soft Rolled—									
3757	¼"	..	..	..	N.S.W.	450 lb.	lb.	0 1 1½	E. Duckett & Sons
3758	14 gauge	..	..	..	"	200 "	do.	0 1 2	Greer & Ashburner
3759	15 "	..	..	..	..	..	..	..	Nil
3760	16 "	..	..	..	N.S.W.	42 lb.	lb.	0 1 2	Greer & Ashburner
3761	17 "	..	..	..	..	..	..	..	Nil
3762	18 "	..	..	..	N.S.W.	300 lb.	lb.	0 1 3	Greer & Ashburner
3763	19 "	..	..	..	..	..	..	..	Nil
3764	20 "	..	..	..	N.S.W.	4 lb.	lb.	0 1 4	Greer & Ashburner
3765	21 "	..	..	..	"	200 "	do.	0 1 4	E. Duckett & Sons
Wire, Phosphor Bronze, Hard or Soft Rolled—									
3765A	9 gauge	..	..	..	..	75 "	do.	..	
3765B	11 "	..	..	..	..	25 "	do.	..	
3765C	13 "	..	..	..	..	14 "	do.	..	
3765D	18 "	..	..	..	..	7 "	do.	..	
Wire, Spring Steel, Hard Drawn—									
3766	2 gauge	..	..	..	..	10 "	do.	..	Nil
3767	5 "	..	..	..	..	250 "	do.	..	
3768	6 "	..	..	..	..	250 "	do.	..	
3769	7 "	..	..	..	..	7 "	do.	..	
3770	10 "	..	..	..	..	6 "	do.	..	
3771	11 "	..	..	..	..	..	..	..	
3772	12 "	..	..	..	..	..	..	..	
3773	14 "	..	..	..	..	10 lb.	lb.	..	
3774	16 "	..	..	..	..	25 "	do.	..	
3775	17 "	..	..	..	..	2 "	lb.	..	
3776	18 "	..	..	..	..	..	..	..	
3777	19 "	..	..	..	..	..	..	..	
3778	20 "	..	..	..	..	..	..	..	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
WIRE, WIRE WORK, ETC.—continued.						
WIRE—continued.						
	Wire, Steel, Music, Hard or Soft Tempered—					
3779	10 gauge .. .. .	..	70 lb.	lb.	..	Nil
3780	11 " .. .. .	..	10 "	do.	..	
3781	12 " .. .. .	..	60 "	do.	..	
3782	13 " .. .. .	..	14 "	do.	..	
3783	14 " .. .. .	..	20 "	do.	..	
3784	15 " .. .. .	..	7 "	do.	..	
3785	16 " .. .. .	..	150 "	do.	..	
3786	18 " .. .. .	..	75 "	do.	..	
3787	19 " .. .. .	..	10 "	do.	..	
3788	20 " .. .. .	..	30 "	do.	..	
3789	21 " .. .. .	..	5 "	do.	..	Nil
3789A	23 " .. .. .	..	7 "	do.	..	
3789B	24 " .. .. .	..	7 "	do.	..	
WIRE WORK, ETC.						
Baskets, Document—						
*3790	Large .. .. .	..	10 lb.	lb.	..	J. R. Bell & Co. Nil
*3791	Small .. .. .	..	10 lb.	lb.	..	
*3792	Fasteners, Dropper, Fencing .. .. .	Vict.	100 cwt.	cwt.	0 16 0	
*3793	Gauze, Brass, any gauges and meshes ordered	..	1,500 sq. ft.	sq. ft.	..	
Grips, Spring—						
*3794	A .. .. .	N.S.W.	50 gross	gross	0 8 3	F.R.S. Ideal Spring Co. Ltd.
*3795	B .. .. .	..	..	..	..	Nil
*3796	W .. .. .	N.S.W.	50 gross	gross	0 4 0	F.R.S. Ideal Spring Co. Ltd.
Guards—						
*3797	Galvanized Wire, for Booking Windows .. .. .	..	100 sq. ft.	sq. ft.	..	Nil
*3798	Brass Wire, for Booking Windows .. .. .	..	12 "	do.	..	
3799	Mattresses, Wire, 6' 6" x 2' 6" x 3 ply .. .. .	Vict.	20	each	1 2 6	Peter Young
*3800	Nets, Carriage, Hat .. .. .	..	150 sq. ft.	sq. ft.	..	
*3801	Net, Galvanized, for Window Screens, $\frac{1}{16}$ " mesh, 26 gauge .. .. .	..	7,000 "	do.	..	Nil
3801A	Net, Bronze, for Window Screens, $\frac{1}{16}$ " mesh, 26 gauge .. .. .	..	4,000 "	do.	..	
3802	Sieves, Brass, $\frac{1}{4}$ " mesh or less, and any sizes and meshes ordered .. .. .	..	200 ins.	per 1" dia.	..	
3803	" Iron, 22" diameter, $\frac{1}{8}$ ", $\frac{1}{4}$ ", or $\frac{1}{2}$ " mesh, as ordered .. .. .	..	600 "	do.	..	
3804	" Iron, 24" diameter x 1" mesh, 12 gauge .. .. .	..	2	each	..	F.R.S. Ideal Spring Co. Ltd. Nil
*3805	Springs, Steel, Black— 9" x 9 gauge (half) .. .. .	N.S.W.	7 gross	gross	1 11 6	
*3806	7" x 9 gauge .. .. .	..	..	..	..	
*3807	7" x 11 gauge (half) .. .. .	N.S.W.	10 gross	gross	1 0 6	
*3808	6" x 12 gauge (full) .. .. .	"	10 "	do.	0 14 0	
*3809	6" x 11 gauge (half) .. .. .	"	10 "	do.	0 16 6	
*3810	4" x 11 gauge (half) .. .. .	"	5 "	do.	0 12 6	
*3811	5" x 11 gauge (half) .. .. .	"	5 "	do.	0 13 0	
*3812	5" x 14 gauge (No. 6, full) .. .. .	"	15 "	do.	0 9 9	
Wires, Galvanized Iron, in bundles of 250, for Gerrard Wire Tying Machine—						
3813	13 gauge x 6' 6" lengths .. .. .	..	..	bundle of 250	..	Nil
3814	12 gauge x 6' 9" lengths .. .. .	..	..	"	..	
3815	12 gauge x 3' 9" lengths .. .. .	..	..	"	..	
*3816	Wires for tying on labels, 9" long .. .. .	..	600,000	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 $1\frac{1}{2}$ 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 .. .. .	..	..	..	..	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
WIRE, WIRE WORK, ETC.—continued.						
WIRE WORK, ETC.—continued.						
	Netting, Galvanized, Chain Wire, double knuckled—					
†3818	In widths of 3 ft. or 3 ft. 6 in., as ordered, 1½-in. mesh x 12 gauge	..	250 sq. yds.	sq. yd.	..	Nil
†3819	Up to 6 ft. wide, as ordered, 2-in. mesh x 8 gauge	Vict.	6 "	do.	0 1 11	} Cyclone Fence & Gate Co.
†3820	Up to 6-ft. wide as ordered, 2-in. mesh x 12 gauge	"	90 "	do.	0 1 0½	
	Netting, Galvanized, any widths ordered—					
3821	½" mesh x 20 gauge .. ..	..	400 "	do.	..	}
3822	1½" mesh x 16 gauge .. ..	..	3,000 "	do.	..	
	Netting, Galvanized, 17 gauge—					
3823	1½" x 36" wide .. ..	..	150 l. yds.	1 yd.	..	}
3824	1½" x 42" wide .. ..	..	..	..	..	
†3825	Wire, Woven, Galvanized, 16 gauge, ¾" mesh, up to 36" wide, as ordered	..	800 sq. ft.	sq. ft.	..	} Nil
†3826	Metal, Expanded, in sheets 6' x 3' x ¾" mesh, 18 gauge	..	..	..	..	
	Tape, Metallic, for Metal Embossing Machine—					
3827	1½" x 22 S.W.G. .. ..	..	180 lb.	lb.	..	}
3828	1½" x 23 " .. ..	..	80 "	do.	..	
3829	1½" x 24 " .. ..	..	100 "	do.	..	
3830	1½" x 25 " .. ..	..	24 "	do.	..	
3831 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.

The Reinforcing Bars will be manufactured by the Aust. Iron and Steel Ltd. in New South Wales, and in any case where the Contractor is importing subsequent to the placing of an order, if the tonnage involved warrants action being taken, arrangements are to be made by Ordering Officers with the Contractor to have the material consigned to the Victorian Railways Commissioners so that the Shipping Clerk may arrange for free wharfage. The amount involved will then be deducted from the Contractor's invoice.

The rates do not include Sales Tax.

<b>Mild Steel Reinforcing Bars—</b>						
3837	1½" .. ..	N.S.W.	10 tons	ton	15 0 0	} "K.M." Concrete Steel Co. Pty. Ltd.
3838	1½" .. ..	"	10 "	do.	13 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.	1,000 l. yds.	l. yd.	0 1 1½	
3840 to 3841						} Nil

**MOTOR ACCESSORIES AND BALL BEARINGS.**

As regards Item No. 3884, 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 Magnetos have been so fitted, or, if not so used, will reimburse the Contractor the amount of Customs duty paid. The rate tendered should be exclusive of Customs duty.

With the exception of Henderson's Federal Spring Works Pty. Ltd., Pyrox Pty. Ltd., and Joubert and Joubert, all rates are exclusive of Sales Tax.

\* 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.	

## MOTOR ACCESSORIES AND BALL BEARINGS—continued.

As regards Items Nos. 3851 and 3852, the rates are firm as regards Exchange.

In the event of any Sparking Plugs being ordered on Pyrox Pty. Ltd., the Contractor is prepared to brand same V†R. The order to indicate whether this is desired.

As regards Items Nos. 3890 to 3896B—three tenders have been accepted, but it is expected that the Chief Mechanical Engineer will only use Sparking Plugs manufactured by Pyrox Pty. Ltd.

The requirements of the Way and Works Branch are to be submitted to the Water Supply Engineer before ordering to indicate on which Contractor the order is to be placed.

3842	Ball Bearings— To Type, S.K.F., 1204	Sweden	200	each	*0 1 10	S.K.F. Ball Bearing Co. Ltd.
3843	" " " 1304	"	100	do.	*0 2 1	
3844	" " " 1307	"	100	do.	*0 3 11	
3845	" " " 1308A	"	100	do.	*0 4 9	
3846	" " " 6204	"	.60	do.	*0 1 6	
3847	" " " 6205	"	100	do.	*0 1 8	
3848	" " " 6206	"	50	do.	*0 2 0	
3849	" " " 6209	"	100	do.	*0 3 5	
3850	" " " 6304	"	100	do.	*0 1 8	
3851	Bearings, Flexible Roller— 3½" outside diameter, 1½" inside diameter, similar to "Hyatt" No. 19250 "Pollard"	U.K.	25	do.	0 17 2	Gardner, Waern & Co. Pty. Ltd.
3852	2½" outside diameter, 1¼" inside diameter, similar to "Hyatt" No. 18195 "Pollard"	"	100	do.	0 8 10	
†3853	Belting, Motor, Rubber, ¾", in 60' or any lengths as ordered	Vict.	1,700 feet	foot	0 1 2½	Dunlop-Perdriau Rubber Co. Ltd.
*3854	Blades, Vibrator, with Tungson points	U.S.A.	36	pair	*0 0 9	W. L. Buckland Pty. Ltd.
	Brushes, Carbon, for Make and Breaks—					
3855	Lucas	Vict.	4	each	0 0 4	A. G. Healing Ltd.
	Brushes, Carbon, for Brush Holders—					
3856	Lucas	"	4	do.	0 0 4	
	Carburettors—					
3857	Single Cylinder Engines, B & B type or Amal type	U.K.	22	do.	*1 14 6	A. G. Healing Ltd.
3858	Chain, Magneto	"	12 feet	55 links	*0 2 10	
3859	Control Lever, Bowden, Single, for Magneto	"	13	each	*0 4 6	
	Fasteners, Belt—					
†3860	¾"	"	25 doz.	dozen	..	Nil
*3861	" Jackson's," with Nut, No. 1	"	12 "	do.	..	
*3862	" " " " No. 2	"	9 "	do.	..	
3863	" " " " No. 3 (small)	"	5 "	do.	..	
†3864	" Jackson's," Plate and Button, Type "D"	"	8 "	do.	..	
*3865	" Baxter's," No. 2	"	500 ins.	100 in.	..	
*3866	" " " " No. 3	"	350 "	do.	..	
3867	" Detroit," No. 3	"	6 doz.	dozen	..	
3868	" " " " No. 4	"	6 "	do.	..	
*3869	Floats, Carburetter, "Holley"	"	6 "	do.	..	
*3870	" " " " "Solex"	"	1 "	do.	..	
	Gaskets, Cylinder—					Coles & Garrard Pty. Ltd. McPherson's Pty. Ltd.
*3871	For "K" Motors	"	45	each	..	
*3872	For "S" Motors	"	10	do.	..	
*3873	For "K.S." Motors	"	10	do.	..	
	Gaskets, Induction—					
*3874	For "S" Motors	"	25	do.	..	
*3875	For "K" Motors	"	75	do.	..	
*3876	For "K.S." Motors	"	10	do.	..	
†3877	Goggles, Motor, Dust	France	400 pairs	pair	*0 0 8	
*3878	Greases, "Rotherham" K. 27 (½" Gas Thread)	U.K.	200	each	*0 0 11½	
	Jets, for Carburettors—					A. G. Healing Ltd.
*3879	B. and B., Nos. 85 to 110, as ordered	"	7	do.	*0 0 6	
*3880	Solex, Nos. 80 and 85, as ordered	"	5	do.	*0 1 11	
*3881	Amal, Nos. 80 to 100, as ordered	"	20	do.	*0 0 6	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
<b>MOTOR ACCESSORIES AND BALL BEARINGS—continued.</b>						
3882	Lining, Brake, Woven— Up to and including $\frac{3}{8}$ " in thickness, and not exceeding 4" in width, as ordered	..	130 lb.	lb.	..	Nil
†3883	$\frac{3}{8}$ " thick by more than 4" in width, or any thickness above $\frac{3}{8}$ " by any widths, as ordered	..		do.	..	
†3883A	Lining, Brake, Moulded, up to and including $\frac{3}{8}$ " thick, and not exceeding 4" in width, as ordered	..		do.	..	
3884	Magnetos, High Tension, "Lucas" type, for 4-h.p. single-cylinder locally-made engines	..	12	each	..	Nil
*3885	Nuts, Wing, $\frac{3}{8}$ " .. .. .	Vict.	24	doz.	0 0 11	James Walker
3886	Paste, Carborundum, fine, 1-lb. tins .. ..	..	45 lb.	lb.	..	
†3887	" " coarse, in $1\frac{1}{4}$ -oz. tubes .. ..	..	80 tubes	tube	..	
3888	" " " 1-lb. tins .. ..	..	40 lb.	lb.	..	
†3889	Plates, Crescent, Special Grip, for 1" to 4" high speed belts	..	1,000	each	..	Nil
†3890	Plugs, Sparking, Various— Metric. Standard .. .. .	Vict. (partly)	80 dozen.	do.	0 1 8	Joubert & Joubert Pty. Ltd.
†3890A	" " " " " " " "	"		do.	0 2 3	Australian Spark Plugs Pty. Ltd.
†3890B	" " " " " " " "	"		do.	0 2 3	Pyrox Pty. Ltd.
†3891	Metric Long Body .. .. .	"		do.	0 1 8	Joubert & Joubert Pty. Ltd.
†3891A	" " " " " " " "	"		do.	0 2 3	Aust. Spark Plugs Pty. Ltd.
†3891B	" " " " " " " "	"		do.	0 2 3	Pyrox Pty. Ltd.
†3892	$\frac{1}{2}$ " Taper (Ford) .. .. .	"		do.	0 1 8	Joubert & Joubert Pty. Ltd.
†3892A	" " " " " " " "	"		do.	0 2 3	Aust. Spark Plugs Pty. Ltd.
†3892B	" " " " " " " "	"		do.	0 2 3	Pyrox Pty. Ltd.
†3893	$\frac{3}{8}$ " S.A.E. Standard, Small Hexagon .. ..	"		do.	0 1 8	Joubert & Joubert Pty. Ltd.
†3893A	" " " " " " " "	"		do.	0 2 3	Aust. Spark Plugs Pty. Ltd.
†3893B	" " " " " " " "	"		do.	0 2 3	Pyrox Pty. Ltd.
†3894	" " " Large Hexagon .. .. .	"		do.	0 1 8	Joubert & Joubert Pty. Ltd.
†3894A	" " " " " " " "	"		do.	0 2 3	Aust. Spark Plugs Pty. Ltd.
†3894B	" " " " " " " "	"		do.	0 2 3	Pyrox Pty. Ltd.
†3895	$\frac{3}{8}$ " S.A.E. Long Reach, Small Hexagon ..	"		do.	0 1 8	Joubert & Joubert Pty. Ltd.
†3895A	" " " " " " " "	"		do.	0 2 3	Aust. Spark Plugs Pty. Ltd.
†3895B	" " " " " " " "	"		do.	0 2 3	Pyrox Pty. Ltd.
†3896	" " " Large Hexagon .. .. .	"		do.	0 1 8	Joubert & Joubert Pty. Ltd.
†3896A	" " " " " " " "	"		do.	0 2 3	Aust. Spark Plugs Pty. Ltd.
†3896B	" " " " " " " "	"		do.	0 2 3	Pyrox Pty. Ltd.
3897	Points, P latinum, for Lucas Magnetos .. ..	..	30 pairs	pair	..	Nil
3898	" " " Large "M.L." Magnetos .. ..	Vict.		do.	0 8 9	W. L. Buckland Pty. Ltd.
3899	" " " Small Bosch Magnetos .. ..	"		do.	0 8 6	A. G. Healing Ltd.
†3900	Punches, Motor Belt .. .. .	..	30	each	..	Nil
*3901	" " " Belt, for use with Item 3864 .. ..	..	50	do.	..	
*3902	Rims for $\frac{3}{8}$ " Motor Tricycle Belts 16" x 2 $\frac{3}{4}$ " x 1"	..	3	do.	..	
†3903	Spanners, Type "C.D." for Type "D" Fastener, under Item 3864	..	8 doz.	doz.	..	
†3904	Springs, Valve— J.A.P. Engines .. .. .	Vict.	180	each	0 0 5	Henderson's Federal Spring Works Pty. Ltd.
*3905	F.M. Twin Opposed Engines .. .. .	"	20	do.	0 0 5	
*3906	Switches, "Rosco" or any suitable alternative	..	100	do.	..	Nil

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

## MOTOR ACCESSORIES AND BALL BEARINGS—continued.

3907	Tubing, Bicycle, Steel Bright, 1½ x 16 gauge, A. & P.	U.K.	800 feet	foot	*0 0 9½	A. G. Healing Ltd.
†3908	„ Fibre (red or grey), 1½" external diameter, 1½" internal diameter	..	20 lb.	lb.	..	} Nil
*3909	Washers, Valve Cap. for V.R. type, J.A.P. Engines	..	30 doz.	dozen	..	
*3910	„ „ „ Fafnir Engines	..	2 „	do.	..	
	Washers, Cork, for "Holley" Carburetters—					} Nil
*3911	For N.H. 22 Float Valve .. ..	..	150	each	..	
*3912	„ N.H. 38 Mixing Chamber .. ..	..	150	do.	..	
*3913	„ N.H. 56 Spray Nozzle .. ..	..	150	do.	..	
*3914	„ N.H. 37 Float Chamber .. ..	..	150	do.	..	
*3914A	Washers for Sparking Plug .. ..	..	10 doz.	doz.	..	
†3915	Wire, Copper, Rubber Covered, high tension	..	200 yards	yard	..	} Nil
*3916	„ „ „ low tension .. ..	..	500 „	do.	..	
*3917	„ Bowden, Carburetter, stranded .. ..	..	250 feet	do.	..	
3918	„ „ (control lever only) for Magnetos	U.K.	2	each	*0 4 3	A. G. Healing Ltd.
3919	} Nil					
to						
3929						

## SALT GLAZED VITRIFIED STONWARE 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 (B<sub>1</sub>) 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 ¼-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.

The rates tendered by Martin Stoneware Pty. Ltd. and G. D. Guthrie & Co. Pty. Ltd. include Sales Tax.

The rates tendered by Hoffman Brick & Potteries Ltd. are excluding Sales Tax.

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.

Drain Pipes—Salt Glazed Vitrified Stoneware—										
Length 2'—										
3930	3"	..	..	..	..	Vict.	} 100 ft.	foot	0 0 5	Hoffman Brick & Pot- teries 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 & Pot- teries Ltd.
3931A	4"	..	..	..	..	„		do.	0 0 5	Martin Stoneware Pipe Ltd.
3931B	4"	..	..	..	..	„		do.	0 0 5	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.—continued.						
Drain Pipes—Salt Glazed Vitrified Stoneware—						
Length 2'—						
3932	(M) 4" .. .. .	Vict.	1,000 ft.	foot	0 0 9	Hoffman Brick & Pot- teries Ltd.
3933	(BE) 4" .. .. .	"	450 "	do.	0 0 10	G. D. Guthrie & Co. Pty. Ltd.
3934	(BA) 4" .. .. .	"	100 "	do.	0 0 10	Martin Stoneware Pipe Ltd.
3935	6" .. .. .	"	9,000 "	do.	0 0 8	Hoffman Brick & Pot- teries Ltd.
3935A	6" .. .. .	"		do.	0 0 8	Martin Stoneware Pipe Ltd.
3935B	6" .. .. .	"		do.	0 0 7½	G. D. Guthrie & Co. Pty. Ltd.
3936	(M) 6" .. .. .	"	150 "	do.	0 1 6	Hoffman Brick & Pot- teries Ltd.
3937	(BE) 6" .. .. .	"	500 "	do.	0 1 8	G. D. Guthrie & Co. Pty. Ltd.
3938	(BA) 6" .. .. .	"	800 "	do.	0 1 7	Martin Stoneware Pipe Ltd.
3939	9" .. .. .	"	2,500 "	do.	0 1 1	Hoffman Brick & Pot- teries 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 & Pot- teries Ltd.
3940A	12" .. .. .	"		do.	0 1 7	Martin Stoneware Pipe Ltd.
3940B	12" .. .. .	"		do.	0 1 7	G. D. Guthrie & Co. Pty. Ltd.
Bends—Salt Glazed Vitrified Stoneware—						
3941	3" .. .. .	"	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" .. .. .	"	75	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	
3946	(BE) 4" .. .. .	"	40	do.	0 3 3	Hoffman Brick & Pot- teries Ltd.
3947	(BA) 4" x 12" .. .. .	"	10	do.	0 3 8	} Martin Stoneware Pipe Ltd.
3948	(BA) 4" x 18" .. .. .	"	5	do.	0 3 8	
3949	(BA) 4" x 24" .. .. .	"	3	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	
3953	(BE) 6" .. .. .	"	3	do.	0 7 0	Hoffman Brick & Pot- teries Ltd.
3954	(BA) 6" x 12" .. .. .	"	3	do.	..	} Nil
3955	(BA) 6" x 24" .. .. .	"	3	do.	..	
3956	9" .. .. .	"	..	..	..	

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>						
3957	Elbows—Salt Glazed Vitrified Stoneware— 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" .. .. .	Vict.	40	each	0 1 9	Nil
3960	4" x 4" .. .. .	"		do.	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" .. .. .	"	100	do.	0 3 0	Hoffman Brick & Pot- teries Ltd.
3962	(BE) 4" x 4" .. .. .	"	40	do.	0 3 6	G. D. Guthrie & Co. Pty. Ltd.
3963	(BA) 4" x 4" .. .. .	"	10	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" .. .. .	"	3	do.	0 7 3	Hoffman Brick & Pot- teries Ltd.
3966	(BE) 6" x 4" .. .. .	"	3	do.	0 8 0	G. D. Guthrie & Co. Pty. Ltd.
3967	(BA) 6" x 4" .. .. .	"	6	do.	0 8 0	Martin Stoneware Pipe Ltd.
3968	6" x 6" .. .. .	"	3	do.	0 4 0	Hoffman Brick & Pot- teries 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" .. .. .	"	3	..	..	Nil
3970	(BE) 6" x 6" .. .. .	Vict.	3	each	0 8 0	G. D. Guthrie & Co. Pty. Ltd.
3971	(BA) 6" x 6" .. .. .	"	3	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 & Pot- teries 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" ..	"		do.	0 16 0	Hoffman Brick & Pot- teries 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.	90	each	0 0 3	Hoffman Brick & Pot- teries Ltd.
3980A	Discs, 4" .. .. .	"		do.	0 0 3	Martin Stoneware Pipe Ltd.
3980B	Discs, 4" .. .. .	"		do.	0 0 3	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> .						
3981	Discs, 6" .. .. .	Vict.	3	each	0 0 5	Hoffman Brick & Pot-teries Ltd.
3981A	Discs, 6" .. .. .	"		do.	0 0 5	Martin Stoneware Pipe Ltd.
3981B	Discs, 6" .. .. .	"		do.	0 0 5	G. D. Guthrie & Co. Pty. Ltd.
3982	(M) Tops, Gully .. .. .	"	15	do.	0 9 0	Hoffman Brick & Pot-teries Ltd.
3983	(BE) Gully Basins, No. 8 .. .. .	"	8	do.	0 9 9	G. D. Guthrie & Co. Pty. Ltd.
3984	(BA) Gully Basins, with inlet .. .. .	"	3	do.	0 12 6	Martin Stoneware Pipe Ltd.
3985	Tops for Boundary Traps— (M) 4" x 4", No. 27A .. .. .	"	10	do.	0 3 0	Hoffman Brick & Pot-teries Ltd.
3986	(BE) 4" x 4", No. 27A .. .. .	"	3	do.	0 3 0	G. D. Guthrie & Co. Pty. Ltd.
3987	(BA) 4" x 4", No. 27A .. .. .	"	6	"	"	Nil
3988	(M) 6" x 4" or 6" x 6", as ordered, No. 26A	Vict.	3	each	0 7 0	Hoffman Brick & Pot-teries Ltd.
3989	(BE) 6" x 4" or 6" x 6", as ordered, No. 26A	"	"	"	"	} Nil
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	} Hoffman Brick & Pot-teries Ltd.
3992	(M) Traps, Boundary, 4" .. .. .	"	6	do.	0 9 0	
3993	(M) Traps, Boundary, 6" .. .. .	"	6	do.	1 3 6	
3994	(M) Traps, Disconnecter, No. 23 .. .. .	"	20	do.	0 6 9	} G. D. Guthrie & Co. Pty. Ltd.
3995	(BE) Traps, Disconnecter, No. 7 .. .. .	"	8	do.	0 7 6	
3996	(BA) Traps, Disconnecter .. .. .	"	5	do.	0 7 6	Martin Stoneware Pipe Ltd.
3997	(M) Traps, Gully, No. 24 .. .. .	"	6	do.	0 9 6	Hoffman Brick & Pot-teries Ltd.
3998	(BE) Traps, Gully, No. 24 .. .. .	"	4	do.	0 10 6	G. D. Guthrie & Co. Pty. Ltd.
3999	(BA) Traps, Gully, .. .. .	"	4	do.	0 10 6	Martin Stoneware Pipe Ltd.
4000	Pipes, Agricultural, 12" long, 4" internal diameter .. .. .	"	"	"	"	} Nil
4001	Pipes, Agricultural, Concrete, 12" long, 4" internal diameter .. .. .	"	"	"	"	
4002 to 4006	} Nil .. .. .	"	"	"	"	

## 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.

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

CONCRETE PIPES—*continued.*

## 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 flakey 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 serviceable, 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 1½ 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 1½ 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:—

- Class of pipe, "P" for plain, "S" for standard reinforced, "X" for extra strength reinforced,
- The date of manufacture,
- The name, initials, or brand of the manufacturer,
- 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:—

- Load test,
- 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.

*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 Columns 2 and 3, 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.

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

## CONCRETE PIPES—continued.

## TEST LOADS.

(In pounds per linear foot.)

Internal Diameter in Inches.	Plain Unreinforced Pipes.	Reinforced Pipes.	
		Class "S."	Class "X."
	Column 1.	Column 2.	Column 3.
4 .. .. .	*1,000	..	..
6 .. .. .	1,000	..	..
9 .. .. .	1,100	550	700
12 .. .. .	1,250	600	800
15 .. .. .	1,500	700	950
18 .. .. .	1,600	800	1,100
21 .. .. .	..	900	1,250
24 .. .. .	1,700	1,000	1,500
27 .. .. .	..	1,100	1,650
30 .. .. .	..	1,200	1,800
36 .. .. .	..	1,400	2,100
42 .. .. .	..	1,400	2,350
48 .. .. .	..	1,400	2,550

\* Applies to agricultural pipes.

*Delivery.*—The pipes shall be provisionally delivered at the railway station named below 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:—

Rocla Ltd.—Springvale.

Reinforced Concrete &amp; Monier Pipe Constn. Co. Pty. Ltd.—Oakleigh.

J. H. Ely—Harcourt.

The rates do not include Sales Tax.

Pipes, Plain, Unreinforced—									
4007	4" dia.	..	..	..	..	..	..	..	} Nil
4008	6" dia.	..	..	..	..	..	..	..	
4009	9" dia.	..	..	..	..	..	..	..	
4010	12" dia. x 3'	..	..	..	..	50 feet	foot	0 1 7	} Rocla Ltd.
4011	15" dia. x 4'	..	..	..	..	250 "	do.	0 2 0	
4012	18" dia. x 4' or 8'	..	..	..	..	250 "	do.	0 2 9	
4013	24" dia.	..	..	..	..	..	..	..	} Reinforced Concrete & Monier Pipe Constn. Co. Pty. Ltd.
4013A	Pipes, Agricultural, 12" long, 4" internal diameter	..	..	..	..	..	..	..	
	Pipes, Reinforced, Class "S."—	..	..	..	..	..	..	..	
4014	9" dia. x 4' and 6'	..	..	..	..	110 "	foot	0 1 4	} Rocla Ltd.
4015	12" dia. x 4' and 6'	..	..	..	..	1,500 "	do.	0 1 8	
4016	15" dia. x 4' and 6'	..	..	..	..	1,850 "	do.	0 2 1	
4017	18" dia. x 4' and 6'	..	..	..	..	750 "	do.	0 2 8½	
4018	21" dia. x 4' and 8'	..	..	..	..	250 "	do.	0 3 9	
4019	24" dia. x 4', 6', and 8'	..	..	..	..	900 "	do.	0 4 5	
4020	27" dia. x 4' and 8'	..	..	..	..	130 "	do.	0 5 7	
4021	30" dia. x 4' and 8'	..	..	..	..	125 "	do.	0 6 5	
4022	36" dia. x 4' and 8'	..	..	..	..	250 "	do.	0 7 9	
4023	42" dia. x 4' and 8'	..	..	..	..	190 "	do.	0 10 2	
4024	48" dia. x 4' and 8'	..	..	..	..	200 "	do.	0 12 2	



### CONCRETE PIPES—continued.

**FIREPROOF SAFES.**

The Safes will be inspected during manufacture by the Workshops Manager, Amalgamated Workshops, Spotswood, or his representative, and are not to be closed until instructed by him.

## GALVANIZED IRONWARE AND TINWARE.

Items Nos. 4044 and 4045 include Sales Tax.

*4043	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	1 1 9	Kelso Trading Supply
	Buckets, Galvanized, strapped sides and bottoms—24 gauge					
*4044	12" .. .. .	Vict.	300	do.	0 2 2	} Graham Co. Tinsmithing Nil
*4045	14" .. .. .	"	25	do.	0 3 4	
*4046	Cans, Toilet .. .. .	"	"	"	"	
*4047	" Watering, Galvanized, with rose, 4 gallons	"	18	each	"	
4048 to 4050	} Nil					
	Feeders, Tin—					
*4051	Spring, ½ pint .. .. .	"	75	each	"	} Nil
*4052	" 1 pint .. .. .	"	80	do.	"	
4053 to 4063	} Nil					
*4064	Pans, Closet, to sample "A", Oval .. .. .	"	} 250	each	"	} Nil
*4065	" " " " "H", Round .. .. .	"		do.	"	
*4066	Pots, Car Cleaners' .. .. .	"	"	"	"	
*4067	Pumps, Kerosene, closed top, with cutter ..	N.S.W.	5	each	0 0 9½	James Walker
4068 to 4077	} Nil					

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

## BASKETWARE, COIR MATS, ETC.

The rates do not include Sales Tax.

BASKETWARE.										
*4078	Baskets, Waste-paper	..	..	..	..	..	..	..	} Nil	
*4079	Hampers, Parcels	..	..	..	..	..	..	..		
MATS, ETC.										
*4080	Mats, Coir, Skeleton, 3' 3" x 2' 3"	..	..	Vict.	150	each	0	16	9	} Royal Victorian Institute for the Blind
*4081	" Kneeling	..	..	"	2	do.	0	6	3	
4082	Matting, Coir, 27"	..	..	"	250 l. yds.	l. yd.	0	1	9½	
4083	" " 24"	..	..	"	20 "	do.	0	1	9	
4084	Binding Coir Matting above, as ordered	..	..	"	100 feet	foot	0	0	4½	
†4085	Cane, for manufacture of cane plugs, ½" dia.	..	..	..	20 cwt.	cwt.	..	..	..	} Nil
4086	} Nil.									
to										
4087										

## SADDLERS' MATERIAL.

Buckles—						
†4088	Black, Jap., single roller, gear, 1½"	..	5 gross	dozen	..	} Nil
*4089	" Barrel, 1½"	..	4 "	do.	..	
4090	" " 1½"	..	2 "	do.	..	
4091	D. Solid Nickel, 1"	..	1 "	do.	..	
*4092	" " 1"	..	1 "	do.	..	
4093	" " 1"	..	1 "	do.	..	
4094	" " 1"	..	1 "	do.	..	
4095	Gear, 1"	..	2 "	do.	..	
*4096	" 1½"	..	2 "	do.	..	
4097	" 1½"	..	2 "	do.	..	
4098	" 3"	..	2 "	do.	..	
4099	Gaiter, Tinned, 1"	..	1 "	do.	..	
*4100	" " 1"	..	2 "	do.	..	
4101	" " 1"	..	2 "	do.	..	
4102	" " 1"	..	2 "	do.	..	
4103	Hobble, 1"	..	2 "	do.	..	
*4104	" 1½"	..	2 "	do.	..	
4105	" 1½"	..	2 "	do.	..	
†4106	Roller, Brass, single, ½"	..	30 "	do.	..	
†4107	" " double, ½"	..	20 "	do.	..	
†4108	" N.P., double, 1"	..	3 "	do.	..	
4109	Roller, Tinned, 1"	..	2 "	do.	..	
*4110	" " 1"	..	2 "	do.	..	
4111	" " 1"	..	2 "	do.	..	
4112	West-end, Solid Nickel, 1"	..	1 "	do.	..	
*4113	" " 1½"	..	1 "	do.	..	
4114	" " 1½"	..	1 "	do.	..	
*4115	Collar Check .. ..	..	120 yds.	yard	..	
4116	Flax, fine .. ..	..	20 balls	ball	..	
4117	Hair, Curled .. ..	..	56 lb.	lb.	..	
†4118	Hames, for Draught Horses .. ..	..	6 pairs	pair	..	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
<i>SADDLERS' MATERIAL—continued.</i>						
4119	Hemp, Brown, No. 1 .. ..	..	80 balls	ball	..	} Nil
4120	" " No. 2 .. ..	..	80 "	do.	..	
4121	Hooks, for Draught Horse Hames ..	..	$\frac{1}{2}$ gross	dozen	..	
*4122	" Plough, $1\frac{1}{2}$ " .. ..	..	2 "	do.	..	
*4123	Hooks, Plough, 3" .. ..	..	1 "	do.	..	
*4124	" Spring .. ..	..	3 "	do.	..	
4125	Needles, Harness, No. 1 .. ..	..	6 pkts.	pkt.	..	
4126	" Collar, assorted .. ..	..	6 "	do.	..	
4127	" A.W.L. .. ..	..	6 "	do.	..	
4128	Rings and Bits, Japanned, $1\frac{1}{4}$ " ..	..	1 gross	dozen	..	
4129	Rivets, Saddlers', $\frac{1}{4}$ " .. ..	..	20 lb.	lb.	..	
4130	" " $\frac{3}{8}$ " .. ..	..	20 "	do.	..	
4131	" " $\frac{7}{8}$ " .. ..	..	20 "	do.	..	
*4132	Serge, Saddle .. ..	..	10 yds.	yard	..	
4133	Thread, Collar, 6-cord, No. E ..	..	40 balls	ball	..	
4134	Wax, Black, Winter .. ..	..	} 80 "	do.	..	
4135	" Summer .. ..	..		do.	..	
†4136	Webbing, Girth, Cotton .. ..	..	20 yds	yard	..	
4137	} Nil					
to						
4139						

## UNIONS, PIPE.

## SPECIFICATION.

The Unions shall be "Rockwood" or other similar type, cold drawn from high grade steel, sherardized and furnished with bronze seats. They shall be suitable for efficient use with working pressures up to 250 lb. per square inch.

They shall be tapered screwed with Whitworth Gas threads.

All materials and workmanship shall be of the very best quality for the purpose.

The Unions 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, and in the event of their failing to comply, they shall be rejected.

The Tenderer shall supply full particulars of the Unions he tenders to supply.

Unions, Pipe, "Rockwood" type or any suitable alternative—						
4140	$\frac{1}{4}$ " gas, female both ends .. ..	..	150	each	..	} Nil
4141	$\frac{1}{2}$ " gas, female both ends .. ..	..	120	do.	..	
4142	$\frac{1}{2}$ " gas, male and female .. ..	..	100	do.	..	
4143	$\frac{3}{4}$ " gas, female both ends .. ..	..	200	do.	..	
†4144	$\frac{3}{4}$ " gas, male and female .. ..	..	100	do.	..	
4145	1" gas, female both ends .. ..	..	100	do.	..	
4146	1" gas, male and female .. ..	..	120	do.	..	
4147	$1\frac{1}{2}$ " gas, female both ends .. ..	..	70	do.	..	
4148	$1\frac{1}{2}$ " gas, male and female .. ..	..	50	do.	..	
4149	$1\frac{1}{2}$ " gas, female both ends .. ..	..	50	do.	..	
4150	$1\frac{1}{2}$ " gas, male and female .. ..	..	50	do.	..	
4151	} Nil					
to						
4174						

## COTTON WASTE.

(1.7.1931 to 30.6.1932.)

**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, or material that has been washed.

A portion representative of the average of the samples of Cotton Waste submitted will be burned to complete ash, and the percentage of ash or loading thereby determined will become the standard for all Waste delivered under Items Nos. 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.

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

## COTTON WASTE—continued.

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 1 ton of Grey and White Waste respectively, and sufficient time allowed for importation. The rates tendered do *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.

Manufacturer—Edwin Butterworth & Co. Ltd. and W. C. Jones Ltd., of Manchester, England.

The sample of Waste, J.5, submitted under Item No. 4500 gave the following figures on analysis:—

Ash .. .. .	5.6 per cent.
Moisture .. .. .	5.05 per cent.

The White Waste—sample C.2—under Item No. 4501 gave 1.35 per cent. Ash content and as set out above all deliveries shall comply reasonably with these figures, otherwise the Waste will be liable to rejection.

In the letter of acceptance, Gilbert Lodge & Co. Ltd. has been advised to arrange for 10 tons of Waste, Item No. 4500, and 1 ton of Waste, Item No. 4501, to be ordered immediately. Covering orders for these quantities are to be issued early in July, 1931, by the Storehouse Manager.

Delivery shall be made at the Metropolitan Receiving Depot, Spencer-street.

The rates do not include Sales Tax.

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

In the event of there being any alteration in the Customs Tariff or method of assessment of Customs Duty or Primage Duty on and after 1st April, 1931, such variation shall be to the Corporation's account provided such duties are paid on the most satisfactory basis. Documentary evidence of the amounts included in the rates tendered and those actually paid shall be submitted by the Contractor when and as required.

†4500	Waste, Cotton, Grey, "J.5"	.. .. .	U.K.	80 tons	ton	*30 6 0	Gilbert Lodge & Co.
†4501	" " White, "C.2"	.. .. .	"	8 "	do.	*52 15 0	Ltd.
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 and 4504A.		Items Nos. 4505 and 4505A.	
	Special Foundry.		Standard Softener.	
Silicon .. .. .	1.75-2.75 per cent.	..	2.75-4.00 per cent.	..
Manganese .. .. .	.60-1.50 per cent.	..	.60-1.50 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.

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

*Branding.*—The Manufacturer's name or trade mark shall be cast or legibly stamped on each pig, and the Special Foundry Pig Iron shall be dabbed with a splash of white paint.

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

### PIG IRON—continued.

Each shipment of the Pig Iron should 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. In the event of the Special Foundry and Standard Softener Pig Iron being ordered and shipped on the same vessel, the Contractor shall arrange for each class to be loaded into separate hatches, so that the Pig Iron will not become mixed when being discharged.

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 should 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 lots of 50 tons of either class.

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

In the event of the Company's market price for Pig Iron decreasing or increasing during the currency of the Contract, then such decrease or increase, as the case may be, will be to the Corporation's account and apply to the undelivered balance of the Contract 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.

The rates tendered include Sales Tax, and, in the event of any additional Federal or State Government impost or imposts being brought into force before delivery of these goods which the Contractor has to pay and/or collect, the prices quoted shall be varied by the amount by which the current prices are increased by reason of such impost or imposts, the amount of such increase to be as certified by the Company's Accountant.

4504	Pig Iron, Special Foundry, as specified	..	N.S.W.	150 tons	ton	6 6 2	McPherson's Pty. Ltd.
4504A	" " " " " " " "	..	"	750 "	do.	6 6 2	Broken Hill Pty. Co. Ltd.
4505	" " Standard Softener, as specified	..	"		do.	6 16 2	McPherson's Pty. Ltd.
4505A	" " " " " " " "	..	"		do.	6 16 2	Broken Hill Pty. Co. Ltd.
4506	delivered as shown above.						
to	} Nil						
4508							

### TWIST DRILLS.

(1.7.1931 to 30.6.1932.)

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 Twist Drills shall be subjected to the specified inspection and tests by and at the cost of the Corporation at its Workshops.

Name of Manufacturers—

Welch, Perrin & Co. Pty. Ltd., "Vana" Brand, Vanadium Steel Co. Ltd., Sheffield.

Gilbert Lodge & Co. Ltd., "Cardinal," 16/18% Tungsten. Brooke Tool Manfg. Co., Birmingham.

The rates do not include Sales Tax.

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

						Percentage of Price List sub- mitted by con- tractor with tender and current during the period of the contract.	
†4509	Drills, Twist, Carbon, Parallel Shank, any numbers ordered, as specified	U.K.	£25	..	*76 %	} Welch, Perrin and Co. Pty. Ltd.	
†4510	„ „ Carbon, Parallel Shank, any sizes ordered, as specified	„	£5	..	*76 %		
†4511	„ „ High Speed, Parallel Shank, any sizes ordered, as specified	„	£150	..	*72 %	} Gilbert Lodge & Co. Ltd.	
†4512	„ „ High Speed, Taper Shank, any sizes ordered, as specified	„	£500	..	*72 %		
†4513	„ „ Carbon, Ratchet, Taper Square Shank, from ¾" to 1", any sizes ordered, as specified	„	£30	..	*65 %	Welch, Perrin & Co. Pty. Ltd.	
4514 to 4525	} Nil						

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

### SUNDRY IRONMONGERY, No. 1.

(1.7.1931 to 30.6.1932.)

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 .00002 inch over or under.

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

As regards Items Nos. 4527 to 4536, the rates tendered include Exchange.

With the exception of the Vacuum Oil Co. Pty. Ltd., A. G. Way & Co., and Harvey Shaw Successors, the rates tendered do not include Sales Tax.

*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—	..	..	..	..	Nil
4527	Balls, Steel, 3/16" "R & M"	U.K.	4 doz.	dozen	0 0 1	Gardner Waern & Co. Pty. Ltd.
4528	" " 3/16" " " "	"	4 "	do.	0 0 5 1/2	
4529	" " 3/16" " " "	"	4 "	do.	0 0 1 1/2	
4530	" " 5/16" " " "	"	4 "	do.	0 0 3	
4531	" " 5/16" " " "	"	4 "	do.	0 0 7	
4532	" " 5/16" " " "	"	4 "	do.	0 0 11	
4533	" " 5/16" " " "	"	4 "	do.	0 1 3	
4534	" " 5/16" " " "	"	4 "	do.	0 1 7	
4535	" " 5/16" " " "	"	4 "	do.	0 2 7	
4536	" " 1" " " "	"	4 "	do.	0 5 6	
4537	" " 1 1/2" " " "	"	4 "	do.	..	Nil
4538	Bars, Locking, Galvanized, 8"	..	5	each	..	
4539	" " " " 10"	..	5	do.	..	
4540	" " " " 12"	..	5	do.	..	
4541	Basins, Enamelled, Washhand, 12"	..	..	..	..	Harvey Shaw Successors
4542	" " " " 16"	..	..	..	..	
4543	Bellows, Moulders'	..	20	each	..	
*4544	Bells, Platform ..	..	..	..	..	
4545	Boilers, Copper, blocked, 12 or 14 gallon capacity, as ordered, "Globe"	Vict.	50 lb.	lb.	0 2 3	Nil
*4546	Bottles, Glass, Lubricator, No. 1 ..	..	12	each	..	
*4547	" " " " 2 ..	..	12	do.	..	
*4548	Boxes, Cash, 9", extra strong, Hobb's locks	..	..	..	..	
*4549	Boxes, Cash, 12", extra strong, Hobb's locks	..	..	..	..	
4550	Buttons, Iron, japanned, 1 1/2"	..	..	..	..	
4551	" " " " 2"	..	..	..	..	
4552	" " " " 2 1/2"	..	..	..	..	
4553	Castors, Brass, screw, in sets of 4, any sizes ordered	..	..	..	..	
4554	Chain, Iron, Jack, any sizes ordered	..	36 doz.	doz.	..	
*4555	" " Communication ..	..	yds.	yds.	..	T. Mitchell & Co. Pty. Ltd.
*4556	" " japanned, twisted, 3/16", in packets of 12 yards	..	500 feet	100 ft.	..	
4557	" for Vulcan Pipe Tongs, No. 31 ..	..	20 pkts.	pkt.	..	
4558	" Mortise, 3/4" x 34 links	..	2	each	..	
4559	" Trace, 5/16"	..	..	..	..	
*4560	Clips, Way-bill, complete ..	..	..	..	..	
4561	Combs, Curry, Thumb hole ..	U.K.	12	each	*0 0 7	
*4562	Cups, Drinking, with chain ..	..	..	..	..	
4563	" Grease, Stauffer System, 1" Gas, No. 3	..	20	each	..	
4564	" " " " " No. 4	..	..	..	..	
4565	" " " " " No. 6	..	6	each	..	Nil
4566	Cups, Grease, Steel, plain, style No. 200—	..	..	..	..	
4567	1" x 1/4"	..	15 doz.	dozen	..	
4568	1 1/2" x 1/4"	..	24 "	do.	..	
4569	2" x 1/4"	..	1 "	do.	..	McPherson's Pty. Ltd.
4570	File Card Wire, Rubber Cloth Back, 2" wide	U.K.	30 feet	foot	*0 0 5 1/2	
4571	Fittings for Grindstones, complete, any sizes ordered	..	2 sets	set	..	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
SUNDY IRONMONGERY, No. 1—continued.						
	Glasses—					
*4572	Bullseye, with rubber gaskets, for Detroit Lubricators	U.S.A.	36 doz.	each	*0 2 6	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 doz.	dozen	*0 4 10	Bell's Asbestos Aust. Agency Ltd.
*4573A	Glasses, Protector, for Gauge Glasses, $12\frac{1}{2}$ " x $2\frac{1}{2}$ " x $\frac{1}{2}$ "	..	7 "	do.	..	Nil
	Gauge, "Bishop's Adamant"—					
4574	$12\frac{1}{2}$ " x $\frac{1}{2}$ " .. .. .	..	..	..	..	..
4575	$12\frac{1}{2}$ " x $\frac{3}{4}$ " .. .. .	U.K.	1 doz.	dozen	*0 3 5	Bell's Asbestos Aust. Agency Ltd.
4576	$13\frac{1}{2}$ " x $\frac{1}{2}$ " .. .. .	..	..	..	..	..
4577	$15\frac{1}{2}$ " x $\frac{3}{4}$ " .. .. .	..	18 doz.	dozen	..	Nil
4578	$16\frac{1}{2}$ " x $\frac{3}{4}$ " .. .. .	..	..	..	..	..
4579	$18\frac{1}{2}$ " x $\frac{1}{2}$ " .. .. .	U.K.	3 doz.	dozen	*0 2 10	Bell's Asbestos Aust. Agency Ltd.
4580	$19\frac{1}{2}$ " x $\frac{3}{4}$ " .. .. .	..	6 "	do.	..	Nil
†4581	Glasses, Lubricator, $\frac{1}{8}$ " x $3\frac{1}{8}$ ", "Moncrieff"	U.K.	11 doz.	do.	*0 2 6	Wm. Adams & Co. Ltd.
*4582	Jugs, Enamelled .. .. .	..	..	..	..	..
4583	Ladles, Lead, Wrought Iron, 4" .. .. .	..	..	..	..	..
4584	" " " " 6" .. .. .	..	24	each	..	Nil
4585	Pins and Sockets, Carpet, Brass .. .. .	..	1 gross	gross	..	..
4586	Pots, Glue, Cast Iron, No. 3, 2 pints .. .. .	..	1	each	..	..
	Plates, Tinned—					
	Iron, Charcoal, 20" x 14", 112 sheets per box; or 20" x 28", 56 sheets per box, as ordered—					
4587	lc. .. .. .	..	5 boxes	box	..	..
4587A	lxx. .. .. .	..	12 "	do.	..	Nil
4588	lxxx. .. .. .	..	6 "	do.	..	..
4589	lxxxx. .. .. .	..	1 "	do.	..	..
	Plate, Terne, "Baldwin's Genuine"—					
4590	6' x 2' x 22 gauge .. .. .	..	15 sheets	sheet	..	..
4590A	6' x 2' 6" x 22 gauge .. .. .	..	25 "	do.	..	..
4591	6' x 3' x 22 gauge .. .. .	..	25 "	do.	..	Nil
4591A	6' x 2' x 24 gauge .. .. .	..	15 "	do.	..	..
4592	6' x 2' 6" x 24 gauge .. .. .	..	25 "	do.	..	..
4592A	6' x 3' x 24 gauge .. .. .	..	25 "	do.	..	..
*4593	Scissors, Lamp .. .. .	..	18 pairs	pair	..	Nil
†4594	" Office .. .. .	..	..	..	..	..
4595	Shovels, Cinder .. .. .	Vict.	60	each	0 0 8	Briscoe & Co. Ltd.
†4596	Safes, Meat, round, portable hanging, 18" dia. .. .. .	"	20	do.	0 10 6	T. Mitchell & Co. Pty. Ltd.
†4597	Springs for Waybill Clips .. .. .	..	..	..	..	..
	Tokens, Brass—					
*4598	Diamond shaped, numbered as required .. .. .	..	..	..	..	..
*4599	Oblong shaped, numbered as required .. .. .	..	..	..	..	Nil
*4600	Round shaped, numbered as required .. .. .	..	..	..	..	..
4601	Tongs, Vulcan, Chain, No. 232 .. .. .	..	20	each	..	..
4602	" " " " No. 233 .. .. .	..	1	do.	..	..
*4603	Type, Dating, Lead .. .. .	N.S.W.	50 lb.	lb.	0 9 6	R. Collie & Co. Pty. Ltd.
	Washers, Brass, Round Plate, Round Hole—					
4604	$\frac{3}{8}$ " .. .. .	..	4 gross	gross	..	..
4605	$\frac{3}{16}$ " .. .. .	..	50 "	do.	..	..
†4606	$\frac{1}{4}$ " .. .. .	..	10 "	do.	..	..
4607	$\frac{5}{16}$ " .. .. .	..	10 "	do.	..	..
4608	$\frac{7}{16}$ " .. .. .	..	..	..	..	Nil
†4609	Washers, Copper, No. 6 .. .. .	..	..	..	..	..
†4610	" " " " No. 7 .. .. .	..	..	..	..	..
4611	" " " " No. 8 .. .. .	..	..	..	..	..
†4612	Wire, Picture, heavy, in packets of 25 yards .. .. .	..	..	..	..	..
†4613	Wheels, Barrow, wrought iron, navy .. .. .	Vict.	150	each	0 4 10½	A. G. Way & Co.
*4614	" Platform Barrow, wrought iron, with turned spindle, $2\frac{1}{4}$ " rims .. .. .	..	..	..	..	Nil
†4615	Whistles, Guards, "Acme Thunderer," or any suitable alternative .. .. .	..	80	each	..	Nil
4616	to	..	..	..	..	..
4624		..	..	..	..	..

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
<b>SUNDRY IRONMONGERY, No. 2.</b>						
(1.7.1931 to 30.6.1932.)						
Case-hardening Composition (Item No. 4631) 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 Items Nos. 4633 to 4637—plus ruling rate of T.T. Exchange on date of delivery on 80 per cent.						
With the exception of Item No. 4659—the rates do not include Sales Tax.						
4625	Bricks, Bath .. .. .	..	42 dozen	dozen	..	} Nil
4626	Candles, Filter, "Berkfeld" .. .. .	..	100	each	..	
†4627	Cement, Liquid, "Davis" .. .. .	N.S.W.	60 tubes	tube	0 0 3½	T. Mitchell & Co. Pty. Ltd.
†4628	Cleanser, Leather, Arabian Cream, or other similar article	..	500 gals.	gal.	..	To be supplied by C.M.E., Newport
4629	Cloth, Aloxite, K.5, No. 1, 6" wide, in rolls of 50 yards	..	3 rolls	roll	..	} Nil
4630	" " K.5, No. 0, 6" wide, in rolls of 50 yards	..	2 "	do.	..	
4630A	Cloth, Grinding—	..	40 sheets	sheet	..	
4630B	In sheets 15" x 15", equal to Aloxite No. 36	..	40 "	do.	..	} Hardite Steel Hardening Co.
†4631	Composition, Case Hardening, fine ..	N.S.W.	5 tons	ton	15 0 0 (f.o.b., Sydney)	
†4632	Dressing, Belt, in 1-lb. sticks	..	90 sticks	stick	..	Nil
	Cloth, Emery—"Goldsworthy Britannia"	..				} Boyes Bros.
4633	No. 0 .. .. .	U.K.		quire	*0 1 10	
4634	No. 1 .. .. .	..		do.	*0 1 10	
4635	No. 1½ .. .. .	..	700 quires	do.	*0 1 10	
4636	No. 2 .. .. .	..		do.	*0 2 3	
4637	No. 3 .. .. .	..		do.	*0 2 3	
	Paper, Glass—"Aust. Glass & Emery Paper Co."	..				} C. S. Green & Son
4638	No. 00 .. .. .	Vict.		ream	0 17 10	
4639	No. 0 .. .. .	"		do.	0 17 10	
4640	No. 1 .. .. .	"		do.	0 17 10	
4641	No. 1½ .. .. .	"		do.	0 17 10	
4642	No. F.2 .. .. .	"	90 reams	do.	0 17 10	
4643	No. M.2 .. .. .	"		do.	1 3 7	
4644	No. S.2 .. .. .	"		do.	1 3 7	
4645	No. S.2½ .. .. .	"		do.	1 9 5	
4646	Emery, No. 20 hole .. .. .	..		lb.	..	
4647	" No. 40 hole .. .. .	..		do.	..	} Nil
4648	" No. 60 hole .. .. .	..	100 lb.	do.	..	
4649	" No. 90 hole .. .. .	..		do.	..	
4650	" No. 120 hole .. .. .	..		do.	..	
4651	Flint, Powdered, coarse .. .. .	..		..	..	} To be supplied ex Newport
	Fillets, Leather, for Pattern-making—	..				
4652	¾" .. .. .	..	300 feet	foot	..	
4653	1" .. .. .	..	200 "	do.	..	
†4654	1½" .. .. .	..		..	..	
4655	1" .. .. .	..	100 feet	foot	..	} Safeguard Chemical Co. Pty. Ltd.
4656	1" .. .. .	..	100 "	do.	..	
†4657	Lead, Black, powdered, in ¼-lb. pkgs.	..		..	..	} Wiltshire's Pty. Ltd.
†4658	Polish, Metal Cleaner, liquid, "Safeguard"	Vict.	400 dozen tins	dozen tins	0 5 0	
†4659	" " Cakeform, metal and glass cleaners, "Usit"	"	1,400 cakes	dozen cakes	0 3 6	} Nil
†4660	" Stove .. .. .	..		..	..	
†4661	Bon Ami .. .. .	..		..	..	
4662	Cleaner, Metal, "Zonax" or any suitable alternative	..		..	..	} C. S. Green & Son
†4663	Ezywork, Black .. .. .	Vict.	150 dozen tins	dozen tins	0 5 0	
†4664	" Rus-solv," in 1-gal. tins .. .. .	Q'land	15 gals.	gal.	0 9 6	} Welch, Perrin & Co. Pty. Ltd.
4664A	" " in 4-gal. tins .. .. .	"		do.	0 8 6	
†4665	Plasticene, in 1-lb. sticks .. .. .	..		..	..	} Nil
4666		..				
to		..				
4672		..				



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

## BUILDERS' IRONMONGERY.

(1.7.1931 to 30.6.1932.)

The Stoves under Item No. 4784 shall be suitable for either wood or coal fuel.

With the exception of Items Nos. 4681, 4681A, 4694, 4695, and 4784, the rates do not include Sales

Tax.

\* Item No. 4770 plus the ruling rate of T.T. Exchange on date of delivery on 80 per cent.

†4673	Bells, Door, Rotary .. ..	..	..	..	..	} Nil
†4674	Bolts, Indicator, "Ashwell's" No. 5862, or suitable alternative, brass or nickel-plated .. ..	..	..	..	..	
†4675	" Brass, barrel, 3" to 6", as ordered .. ..	N.S.W.	500 ins.	inch	0 0 2	} E. Duckett & Sons
†4676	" " flush, 3" or 4", as ordered .. ..	..	..	..	..	
†4677	" " " 5" x ½" .. ..	..	..	..	..	} Nil
†4678	" " " 6" x ½" .. ..	..	..	..	..	
4679	" Iron, tower, 3" to 12", as ordered .. ..	..	500 ins.	inch	..	} ..
4680	" " " 13" to 18", as ordered .. ..	..	..	do.	..	
†4681	" Tower, 24", galvanized .. ..	Vict.	12	each	0 5 1	} McPherson's Pty. Ltd.
†4681A	" " 28", galvanized .. ..	..	12	do.	0 5 7½	
†4682	" Iron, ½" diameter, galvanized, for Padlocks, "Brenton's" pattern, any lengths ordered .. ..	..	200 ins.	inch	0 0 1¼	} C. J. White & Sons Pty. Ltd.
†4683	Brackets, Steel, japanned, shelf measurement, any sizes ordered (i.e., 8" x 10" = 18") .. ..	N.S.W.	700 "	do.	0 0 0½	
*4684	Chain, Brass, Chandelier, heavy, E 37 .. ..	..	20 doz. yds.	doz. yds.	..	} G. F. Osborne & Co. Pty. Ltd.
*4685	" " " light .. ..	..	..	..	..	
†4686	Checks, Door, Liquid, light "Briton B" .. ..	..	2	each	..	} ..
†4687	" " " heavy "Briton C" .. ..	..	3	do.	..	
4688	Doors, Furnace, 10" x 8", with frame, for Coppers .. ..	..	15	do.	..	} Nil
4689	Escutcheons, Brass, for Drawer Locks, any sizes ordered .. ..	..	..	..	..	
4690	Eyes, Screw, Iron, Nettlefolds Ltd., B.20 .. ..	..	..	gross	..	} ..
4691	" " " " C.2 .. ..	..	1 gross	do.	..	
4692	" " " " C.4 .. ..	..	..	do.	..	} ..
4693	" " " " C.6 .. ..	..	..	do.	..	
†4694	Fasteners, Sash, oxidized, 2½" .. ..	Vict.	12 doz.	dozen	0 3 7½	} McPherson's Pty. Ltd.
†4695	Fanlight Openers, Iron, with Cords, 12" x ¾" .. ..	..	12	each	0 3 3	
4696	Grates, Furnace, 14" x 10", for Coppers .. ..	..	15	do.	..	} ..
†4697	Handles, Chest, japanned, 4" .. ..	..	..	..	..	
†4698	" " " 5" .. ..	..	..	..	..	} Nil
†4699	" Door Latch, Brass, oxidized, with circular slot .. ..	..	..	..	..	
†4700	Hasps and Staples, Brass, 3" .. ..	..	..	..	..	} ..
†4701	" " japanned, 3" .. ..	..	..	each	..	
†4702	" " " 4" .. ..	..	..	do.	..	} ..
†4703	" " " 5" .. ..	..	370	do.	..	
†4704	" " " 6" .. ..	..	..	do.	..	} ..
†4705	" " " 7" .. ..	..	..	do.	..	
†4706	" " " 6" x ¼" heavy .. ..	..	..	do.	..	} ..
	Hinges, of any thickness and strength ordered— .. ..	..	..	..	..	
†4707	Bed or Back Flap, Iron, 1" .. ..	..	..	pair	..	} Nil
†4708	" " " 1½" .. ..	..	..	do.	..	
†4709	" " " 2" .. ..	..	..	do.	..	} ..
†4710	" " " 2½" .. ..	..	..	do.	..	
†4711	" " " 3" .. ..	..	..	do.	..	} ..
†4712	Butt, Brass, 1" .. ..	..	50 pairs	do.	..	
†4713	" " 1½" .. ..	..	..	do.	..	} ..
†4714	" " 2" .. ..	..	..	do.	..	
†4715	" " 2½" .. ..	..	..	do.	..	} ..
†4716	" " 3" .. ..	..	..	do.	..	
†4717	" " 3½" .. ..	..	..	do.	..	} ..
†4718	" " 4" .. ..	..	..	do.	..	

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—(continued)—					
4719	Butt, Cast Iron, 1" .. ..			pair	..	
4720	" " 1½" .. ..			do.	..	
4721	" " 2" .. ..			do.	..	
4722	" " 2½" .. ..			do.	..	
† 4723	" " 3" .. ..		20 pairs	do.	..	
4724	" " 3½" .. ..			do.	..	
4725	" " 4" .. ..			do.	..	
4726	" " 4½" .. ..			do.	..	
4727	" " 5" .. ..			do.	..	
† 4728	" Steel, 1" .. ..			do.	..	
† 4729	" " 1½" .. ..			do.	..	
† 4730	" " 2" .. ..			do.	..	
4731	" " 2½" .. ..		400 "	do.	..	
4732	" " 3" .. ..			do.	..	
† 4733	" " 3½" .. ..			do.	..	Nil
4734	" " 4" .. ..			do.	..	
4735	" " 4½" .. ..			do.	..	
† 4736	Hinges, Gothic, Iron, extra strong, any lengths ordered		500 ins.	inch	..	
† 4737	" Strap, Iron, bent or straight, as ordered, any lengths ordered		1,700 "	do.	..	
† 4738	" T, Iron, any lengths ordered		10,700 "	do.	..	
† 4739	Hooks, Hat and Coat, Brass .. ..					
† 4740	" " " Iron, oxidized .. ..		2 doz.	dozen	..	
† 4741	" " " " japanned .. ..		12 "	do.	..	
4742	" Cup, Brassed, ½" .. ..					
4743	" " " ¾" .. ..					
† 4744	" " " 1" .. ..					
4745	" " " 1½" .. ..					
4746	" " " 1¾" .. ..					
4747	" " " 1½" .. ..					
† 4748	" and Eyes, Cabin, brass, 2" to 6" as ordered	N.S.W.	50 ins.	inch	0 0 2	E. Duckett & Sons
4749	" " Brass, 1" .. ..			dozen	..	
† 4750	" " " 1½" .. ..		2 doz.	do.	..	
4751	" " " 2" .. ..			do.	..	
* 4752	" " Steel, 4" .. ..					
* 4753	" " " 6" .. ..					
4754	" " W.I., 3" .. ..					
† 4755	" " " 4" .. ..					
4756	" " " 5" .. ..					Nil
4757	" " " 6" .. ..					
† 4758	Knobs, Brass, Shutter, 1½" .. ..					
† 4759	" " and Spindles for Rim Locks, 2½", milled edge .. ..		144 sets	set	..	
† 4760	" Curtain, drive, japanned, No. 99 .. ..					
† 4761	Lifts, Sash, brass ring .. ..		50	each	..	
† 4762	" " hook, antique .. ..					
† 4763	" " " brass .. ..					
4764	Links, Split, ⅝" or ¾", as ordered .. ..	Vict.	10 lb.	lb.	0 0 6½	E. Duckett and Sons
† 4765	Pulleys, Verandah, Blind, single, 1½" .. ..					
† 4766	" " " double .. ..					
* 4767	" Crown, 2", galvanized, all steel, single, adjustable .. ..					Nil
4768	" Secret Axle, 1½" .. ..		6 gross	gross	..	
† 4769	" Iron, japanned, lazy, 1½" .. ..					
† 4770	" Sash, brass-faced, 5", "Crosso", 1½" .. ..	U.K.	12	each	*0 0 6	John Danks & Sons Pty. Ltd.
* 4771	" Side, 2" .. ..					
† 4772	Pulls, Drawer, Brass .. ..					
† 4773	" " Oxidized .. ..	Vict.	16 doz.	dozen	0 2 0	E. Duckett & Sons
† 4774	" Door, Iron Oxidized, or Brass, 6" .. ..					
* 4775	Rings, japanned, 3½" x 3½" .. ..					
* 4776	Rollers, Gunmetal, slotted, for Window Sashes .. ..					Nil
* 4777	" Sash, japanned, ½" .. ..					
* 4778	" " " 1" .. ..					

Item No.	Description.	Country of Manufacture.	Estimated Requirements,	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
BUILDERS' IRONMONGERY—continued.						
†4779	Rollers, Wooden, Spring, Blind, complete, 48", approx. 1½" diameter	..	12 doz.	dozen	..	} Nil
†4780	" Wooden, Spring, Blind, complete, 36", approx. 1½" diameter	..	12 "	do.	..	
†4781	" Wooden, Spring, Blind, complete, 6' x 1½" diameter	..	..	..	..	
4782	Stoves, "Dumpy," No. 2, without pipe	Vict.	4	each	1 5 6	} Briscoe & Co. Ltd.
4783	" " No. 3	"	2	do.	1 8 0	
4784	" One-fire, 30" x 18" x 27"	"	100	do.	4 12 6	Galliers & Klaerr Pty. Ltd.
4785	Springs, Door, Spiral, 9"	..	} 50	do.	..	} Nil
†4786	" " " 10"	..		do.	..	
4787	" " " 11"	..		do.	..	
4788	Stand and Frame complete, Cast Iron, for 14-gallon copper boiler, with 8' of flue (uncrated)	..	2	do.	..	
†4789	Turns, Cupboard, Brass, 1½"	..	7 doz.	dozen	..	} Nil
4790	Weights, Sash, C.I., any weight ordered	..	4 cwt.	cwt.	..	
4791	} Nil					
4796						

**SUNDRY IRONMONGERY (TOOLS).**

(1.7.1931 to 30.6.1932.)

The Bottle Jacks supplied under Items 4841 and 4842 shall be of the best quality with C.I. body and square threaded steel screw.

The Chain Pulley Blocks under Items Nos. 4807 to 4810 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.

The Tube Expanders under Items No. 4830 to 4835 shall be suitable for expanding brass tubes into tube plates of locomotive boilers. They shall be of steel machined all over, and comply with the dimensions and other particulars shown on Blue Print 30/27.

†4797	Bits, Brace, screw, ¼" and up	..	100-8ths	½th of inch	..	} Nil
†4798	" German type, any sizes ordered up to ¾"	..	72	each	..	
	Bits, Machine, Wood-boring, solid centre, R.H. shank, coarse thread—	..	..	..	..	
4799	12" twist x 7/16", 2" x ½" shank	..	..	..	..	
4800	12" twist x 3/8", 2" x ½" shank	..	..	..	..	
4801	12" twist x 1/2", 2" x ½" shank	..	..	..	..	
4802	12" twist x 1 1/8", 2" x ½" shank	..	..	..	..	
4803	6" twist x 3/8", 2" x ½" shank	..	..	..	..	
†4804	Bits, Solid centre, any sizes ordered,	..	30-8ths	½th of inch	..	
†4805	" Wagon, 7/8",	..	..	..	..	
4806	" " 1 1/8",	..	..	..	..	
	Blocks Chain Pulley, provided with 20' lift (40-ft chain) and 40' hand chain, "Hyper-Acme"—	..	..	..	..	
4807	10 cwt.	..	1	each	..	
4808	20 cwt.	..	1	do.	..	
4809	30 cwt.	..	..	..	..	
4810	100 cwt.	..	..	..	..	
†4811	Braces, Carpenters', 10"	..	..	..	..	
4812	" " 12"	..	..	..	..	
†4813	" " Ratchet, 12"	..	..	..	..	
	Chisels, Firmer (handled)—	..	..	..	..	
4814	1 1/2"	..	..	..	..	
4815	2"	..	..	..	..	
4816	2 1/2"	..	..	..	..	
†4817	3"	..	..	..	..	
4818	3 1/2"	..	..	..	..	
4819	4"	..	..	..	..	
4820	1"	..	..	..	..	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
<b>SUNDRY IRONMONGERY (TOOLS)—continued.</b>						
	Chisels, Socket (handled) —					
4821	1" .. .. .	..	..	..	..	
4822	1" .. .. .	..	..	..	..	
4823	1" .. .. .	..	..	..	..	
4824	1" .. .. .	..	..	..	..	
4825	1" .. .. .	..	..	..	..	
4826	1" .. .. .	..	..	..	..	
4827	1" .. .. .	..	..	..	..	
4828	1 1/2" .. .. .	..	..	..	..	
4829	1 1/2" .. .. .	..	..	..	..	
	Expanders, Boiler Tube, to Blue Print No. 30/27 each complete with hand-operated and machine-operated powers—					
4830	1 1/2" R.H. Roller .. .. .	..	10	each	..	
4831	1 1/2" L.H. .. .. .	..	10	do.	..	
4832	1 1/2" R.H. .. .. .	..	5	do.	..	
4833	1 1/2" L.H. .. .. .	..	5	do.	..	
4834	2 1/2" R.H. .. .. .	..	5	do.	..	
4835	2 1/2" L.H. .. .. .	..	5	do.	..	
4836	Frames, Hack Saw, adjustable .. .. .	..	72	do.	..	
4837	Gimlets, any sizes ordered .. .. .	..	..	..	..	
4838	Irons, Soldering, handled, 1 1/2 lb. (copper bar not cast) .. .. .	..	..	..	..	
4839	" " " 2 lb. (copper bar not cast) .. .. .	..	50	each	..	
4840	" " " 2 1/2 lb. (copper bar not cast) .. .. .	..	12	do.	..	
4841	Jacks, Lifting, Bottle, 10 tons capacity .. .. .	..	..	..	..	
4842	" " " 5 tons capacity .. .. .	..	..	..	..	
4843	" Rack and Pinion (German type), 10 tons lifting capacity .. .. .	..	..	..	..	
4844	" " " (German type), 5 tons lifting capacity .. .. .	..	..	..	..	Nil
4845	" " " "Trehwella," for track gangs, 40 cwt. lifting capacity .. .. .	..	..	..	..	
4846	Knives, Farriers', Shoeing .. .. .	..	..	..	..	
4847	Knives, Shoemakers' .. .. .	..	..	..	..	
4848	Levels, Spirit, 8" .. .. .	..	..	..	..	
4849	" " " 24" .. .. .	..	..	..	..	
4850	" " " 30" .. .. .	..	..	..	..	
4851	Oilers, Zinc, long or short spout, as ordered .. .. .	..	100	each	..	
4852	Planes, Jack, 2 1/2" .. .. .	..	..	..	..	
4853	" " " "German," Jack, 2" .. .. .	..	..	..	..	
4854	Pliers, 5", round-nosed .. .. .	..	..	..	..	
4855	" " " 5", round, square-nosed and cutting .. .. .	..	..	..	..	
4856	" " " 6", square-nosed and cutting .. .. .	..	70 pairs	pair	..	
4857	" " " 8", square-nosed and cutting .. .. .	..	30 "	do.	..	
4858	" " " Gas, 8" .. .. .	..	12 "	do.	..	
4859	" " " Detonator .. .. .	..	100 "	do.	..	
4860	Rakes, Steel, handled, 16" to 18", as ordered .. .. .	..	..	..	..	
4861	Rules, Box, 2', fourfold .. .. .	..	84	each	..	
4862	Screwdrivers, Flat Blade, any sizes ordered .. .. .	..	..	in. of	..	
4863	" " " Round Blade, "Woodcocks," or any suitable alternative, any sizes ordered .. .. .	..	500 in.	blade do.	..	
4864	Screws, Hollow Set, 1/2" .. .. .	..	200	each	..	
4865	Scythes, Blades only, ordinary, 24" .. .. .	..	24	do.	..	
4866	" " " " 30" .. .. .	..	24	do.	..	
4867	" " " " 36" .. .. .	..	..	..	..	
4868	" " " " 40" .. .. .	..	..	..	..	
4869	Snips, Steel, 6" to 14", as ordered .. .. .	..	50 in.	inch	..	
4870	Stones, Oil, "Gem," 7" x 2" x 1" .. .. .	..	..	..	..	
4871	" " " Carborundum, 8" x 2" x 1" .. .. .	..	12	each	..	
4872	" " " Oil, Slips, "Washita," No. 1 .. .. .	..	..	..	..	
4873	" " " Scythe, Carborundum, oval .. .. .	..	7 doz.	doz.	..	

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

**SUNDY IRONMONGERY (TOOLS)—continued.**

	Spanners, Single-ended, Drop Forged, with polished heads—					
4874	1" .. .. .		30	each	..	
4875	1½" .. .. .		3	do.	..	
4875 A	2" .. .. .		250	do.	..	
4876	2½" .. .. .		2	do.	..	
4877	3" .. .. .		48	do.	..	
4878	3½" .. .. .		70	do.	..	
† 4879	4" .. .. .		96	do.	..	
4880	4½" .. .. .		96	do.	..	
4881	5" .. .. .		18	do.	..	
4882	5½" .. .. .		24	do.	..	
4883	6" .. .. .		12	do.	..	
4884	6½" .. .. .		..	..	..	
4885	7" .. .. .		..	..	..	
4886	7½" .. .. .		6	each	..	
	Spanners, Steel, "Clyburn"—					
4887	6" to 8", as ordered .. .. .		500 in.	inch	..	
4888	9" to 14", as ordered .. .. .		1,700 "	do.	..	
4889	15" .. .. .		..	..	..	
† 4890	16" .. .. .		..	..	..	
4891	18" .. .. .		..	..	..	
4892	21" .. .. .		8	each	..	
4893	24" .. .. .		2	do.	..	
	Spanners, Steel, "Footprint"—					
4894	5½" .. .. .		2 pairs	pair	..	
4895	7" .. .. .		..	do.	..	
† 4896	9" .. .. .		36 "	do.	..	
4897	12" .. .. .		..	do.	..	
4898	14" .. .. .		2 "	do.	..	
4899	16" .. .. .		..	do.	..	
*4900	Spanners, Steel, Shifting, 16", heavy .. .. .		..	..	..	
	Spanners, Set, Double-ended, Drop Forged, with polished heads—					
4901	½" x 1½" .. .. .		150	each	..	
† 4902	¾" x 2" .. .. .		84	..	..	
4903	1" x 2½" .. .. .		96	do.	..	
4904	Tubes, Spirit Level, 1½" x 3½" .. .. .		..	..	..	
† 4905	Tubes, Spirit Level, 2½" x 3½" .. .. .		..	..	..	
	Tapes, Metallic, with flush folding handles—					
4906	33 feet, in decimals of yards and feet .. .. .		2	each	..	
† 4907	66 feet, in decimals of yards and feet .. .. .		6	do.	..	
4908	33 feet, in links and feet .. .. .		..	..	..	
4909	66 feet, in links and feet .. .. .		20	each	..	
	Tapes, Steel—					
4910	33 feet, in decimals of yards and feet .. .. .		..	..	..	
† 4911	66 feet, in decimals of yards and feet .. .. .		1	each	..	
4912	33 feet, in links and feet .. .. .		..	..	..	
4913	66 feet, in links and feet .. .. .		..	..	..	
	Tapes, Steel, Rustless—					
4914	33', in decimals of yards and feet .. .. .		2	each	..	
† 4915	66', in decimals of yards and feet .. .. .		..	..	..	
4916	33', in links and feet .. .. .		..	..	..	
4917	66', in links and feet .. .. .		..	..	..	
† 4918	Trowels, Bricklayers', L.H. or R.H., as ordered .. .. .		..	..	..	
† 4919	" Plasterers' .. .. .		2	each	..	
† 4920	" Gauge, 7" .. .. .		1	do.	..	
† 4921	" Pointing, 5" .. .. .		..	..	..	
† 4922	" " 6" .. .. .		3	each	..	
	Refills for Metallic Measuring Tapes—					
† 4923	33 feet, in decimals of yards and feet .. .. .		1	do.	..	
† 4924	66 feet, in decimals of yards and feet .. .. .		..	..	..	
† 4925	33 feet, in links and feet .. .. .		..	..	..	
† 4926	66 feet, in links and feet .. .. .		30	each	..	

Nil

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

**SUNDRY IRONMONGERY (TOOLS)—continued.**

	Vises—					
†4925	Pipe, 2" chain	..	..	..	..	} Nil
†4929	" 2½" chain	..	..	..	..	
†4927	" 2", hinged, self-locking frame	..	3	each	..	
4930	Bench, 4" jaws, instantaneous parallel (light type)	..	2	do.	..	
†4931	Blacksmiths', 5" jaw, staple	..	..	..	..	
4932	" 6" jaw, staple	..	..	..	..	
†4933	Bench, instantaneous, 6" (heavy type), parallel	..	1	each	..	
†4934	" " 6" (light type), parallel	..	..	..	..	
4935	" " 7", parallel, 130 lb.	..	..	..	..	
4936	Hand, 6" long, regular pattern	..	..	..	..	
4937	Wrenches, "Stillson's" type, 14"	..	8	each	..	} Nil
†4938	" " " 24"	..	4	do.	..	
4939	" " " 36"	..	..	..	..	
4940	} Nil.					
to 4950						

**HAMMERS (CAST STEEL).**

(1.7.1931 to 30.6.1932.)

	Hammers, Cast Steel—					
†4951	Claw, No. 5	..	..	..	..	} Nil
†4952	" No. 7	..	..	..	..	
†4953	Shoeing	..	..	..	..	
†4954	Sledge, Double-faced, 4 to 16 lb., as ordered	..	..	..	..	
†4955	Engineers' Hand, ½ lb.	..	..	..	..	
†4956	" " 1, 1½, 1½, and 2 lb., as ordered	..	..	..	..	} Nil
4957	} Nil					
to 4959						

**PLUMBERS' GOODS AND SEWERAGE MATERIALS.**

(1.7.1931 to 30.6.1932.)

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.

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 5005.—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 are to be 2 feet long, 6 inches wide, and 3 inches deep, with 4-in. channels, graded to outlets where required. The outlets, 2½ in. diameter, shall be rebated for 3¼ 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.

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

## PLUMBERS' GOODS AND SEWERAGE MATERIALS—continued.

**SPECIFICATION FOR ITEM 5004.—Trough Lavatories.**—The troughs shall be of strong cast-iron, porcelain enamelled inside and painted white outside, approximately semi-circular in section and about 16 inches wide over all. The castings shall be of convenient lengths 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:— $\frac{1}{2}$ -in. high-pressure brass stop-cocks threaded for iron piping, and fitted with  $\frac{1}{2}$ -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  $\frac{3}{16}$  inch set screws for keeping sprays in position.

One  $\frac{1}{2}$ -inch high-pressure stop-cock, complete with slightly-bent tube and rose, shall be supplied with every 2 feet length of trough lavatory.

With the exception of the following items, the rates are "plus Sales Tax."

As regards Items Nos. 4976, 4980, 4983, 4984, 4987 to 4997, 4999 to 5001, and 5004 to 5006, the rates include Sales Tax.

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

PLUMBERS' GOODS.						
4960	Balls, Fire Plug, Ebonite .. ..	Vict.	6	each	0 3 9	John Danks & Son Pty. Ltd.
†4961	Bitumen Jointing .. ..	..	224 lb.	lb.	..	} Nil
	Clips, Bracket, Nickel Silver, with $1\frac{1}{2}$ " shanks to fit—	..	..	..	..	
†4962	$\frac{3}{4}$ " copper pipe .. ..	..	12	dozen	..	
†4963	1" copper pipe .. ..	..	12	do.	..	
†4964	$1\frac{1}{2}$ " copper pipe .. ..	..	6	do.	..	
†4965	$\frac{1}{2}$ " galvanized wrought-iron pipe .. ..	..	6	do.	..	
†4966	$\frac{3}{4}$ " galvanized wrought-iron pipe .. ..	..	6	do.	..	
*4967	Gates (Taps), Treacle, C.I., japanned, Standard Gas Thread	..	..	..	..	
	Meters, Water, Gunmetal Cases—	..	..	..	..	
4968	(M) $\frac{1}{2}$ " .. ..	..	..	..	..	
4969	(M) $\frac{3}{4}$ " .. ..	..	6	each	..	
4970	(M) 1" .. ..	..	..	..	..	
4971	(M) $1\frac{1}{4}$ " .. ..	..	..	..	..	
4972	(M) $1\frac{1}{2}$ " .. ..	..	..	..	..	
4973	(M) 2" .. ..	..	..	..	..	
4974	(M) 3" .. ..	..	..	..	..	
4975	(M) 4" .. ..	..	..	..	..	
†4976	Tape, Meter, $\frac{7}{8}$ " 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.	100 tins	tin	*0 0 3½	Remingtons Pty. Ltd.
4978	" " "Fluxite," in 1-lb. tins ..	..	30 "	do.	..	} Nil
4979	Rivets, Iron, Galvanized, any sizes ordered..	..	..	..	..	

## SEWERAGE MATERIALS.

## LAVATORY BASINS, CISTERNS, ETC.

4980	Basins, Lavatory, Cast Iron, porcelain enamelled, flat back, including nickelplated tap, patent overflow, $1\frac{1}{4}$ " plug and washer (M), and cast iron brackets, 22" x 16", including 1 No. china button for taphole	Vict.	12	each	2 0 0	Shanks & Co. Pty. Ltd.
4981	Basins, Lavatory, Cast Iron, porcelain enamelled, flat back, including nickelplated tap, weir overflow, $1\frac{1}{4}$ " plug and washer (Be), and 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, including nickelplated tap, without overflow, $1\frac{1}{4}$ " plug and washer, (Ba), and 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.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor
					£ s. d.	
SEWERAGE MATERIALS—continued.						
4984	Basins, Lavatory, Cast Iron, porcelain enamelled, angle, including nickelplated tap, patent overflow, 1½" plug and washer (M), and cast iron brackets, 21" x 21" including 1 No. china button for taphole	Vict.	6	each	2 1 0	Shanks & Co. Pty. Ltd.
4985	Basins, Lavatory, Cast Iron, porcelain enamelled, angle, including nickelplated tap, weir overflow, 1½" plug and washer (BE), and wrought iron brackets, 25" x 20", including 1 No. china button for taphole	..	2	do.	..	Nil
4986	Basins, Lavatory, Cast Iron, porcelain enamelled, angle, including nickelplated tap, without overflow, 1½" plug and washer (BA), and wrought iron brackets, 25" x 20", including 1 No. china button for taphole	..	4	do.	..	
4987	(M) Cisterns, Cast Iron, glass enamelled, 3-gallon, with cover, high or low pressure ball cock (M), as ordered, "Levern"	Vict.	70	do.	1 14 9	Shanks & 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	..	10	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	..	15	do.	2 1 0	
4990	(M) Pans, Closet, Pedestal, Class 4, P. trap ..	..	6	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	..	6	do.	1 3 0	G. D. Guthrie & Co. Pty. Ltd.
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	..		do.	1 3 0	
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	
4994	(M) Pans, Closet, Pedestal, Class 4, S. trap, vented, and right or left hand, as ordered,	..	60	do.	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	..	18	do.	2 0 0	
4997	.. Lavatory, Earthenware, to Drawing 4072 n	..	16	do.	2 10 0	
Sinks, Cast Iron, porcelain enamelled, with weir overflows, plugs and washers (M)—						
4998	15" x 14" x 7" .. .. .	Vict.	24	each	1 1 9	Nil
4999	18" x 14" x 7" .. .. .		6	do.	1 4 6	J. & T. Muir Pty. Ltd.
5000	21" x 14" x 7" .. .. .		6	do.	1 8 0	
5001	24" x 14" x 7" .. .. .		..	..	..	Nil
5002	27" x 14" x 7" .. .. .		..	..	..	
5003	30" x 14" x 7" .. .. .	..	..	..	..	
5004	(M) Trough Lavatories, C.I., porcelain enamelled, with nickelplated 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 3	Shanks & Co. Pty. Ltd.
† 5005	Urinals and Channels, salt-glazed, any number of stalls ordered	..	30 stalls	stall	5 0 0	Hoffman Brick & Pot-teries Ltd.
* 5006	Crocks, Urinal, salt-glazed, vitrified stone-ware, E.W. angle, brown	..	6	each	0 4 6	



Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
<b>SEWERAGE MATERIALS—continued.</b>						
5007	Valves, Sluice— 3" .. .. .	Vict.	2	each	2 11 0	} G. P. Thick
5008	4" .. .. .	"	10	do.	2 17 6	
5009	5" .. .. .	"	"	"	"	
5010	6" .. .. .	Vict.	4	each	5 7 6	} John Danks & Son Pty. Ltd.
5011	9" .. .. .	"	3	do.	11 15 0	
5012	10" .. .. .	"	4	do.	14 10 0	
	Valves, Retention, Spigot and Faucet ends, and to the M.M.B.W. standard—					
5013	3" .. .. .	"	"	"	"	} Nil
5014	4" .. .. .	"	2	each	"	
5015	5" .. .. .	"	"	"	"	
5016	6" .. .. .	Vict.	2	each	7 0 0	} John Danks & Son Pty. Ltd.
5017	} Nil.					
5024						

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

(1.7.1931 to 30.6.1932.)

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.

With the exception of the following items, the rates are exclusive of Sales Tax.

Items Nos. 5028, 5029, 5046-5054, and 5063-5066 the rates include Sales Tax.

5025	Bolts and Nuts, Galvanized, rolled, $\frac{1}{4}$ " up to 1" in length, as ordered, any diameter ordered	..	40 gross	gross	..	} Nil
5026	Bolts and Nuts, Galvanized, rolled, over 1" up to 2" in length, as ordered, any diameter ordered	..	120 "	do.	..	
5027	Clips, Hose, $\frac{3}{4}$ " .. .. .	Vict.	200	dozen	0 1 4	} E. Duckett & Sons
5028	Clips, Pipe, Beaded, Galvanized— $\frac{1}{2}$ " or $\frac{3}{4}$ ", as ordered .. .. .	Vict. & U.K.	30 doz.	do.	0 0 3	
5029	1" .. .. .	"	15 "	do.	0 0 7	} W. E. Cash
	Clips, Vent—					
5030	$1\frac{1}{2}$ " for Galvanized Sheet Iron Pipes .. .. .	Vict.	75	each	0 0 1	} John Danks & Son Pty. Ltd.
5031	$1\frac{1}{2}$ " for Wrought Iron Pipes .. .. .	"	50	do.	0 0 1	
5032	$1\frac{1}{2}$ " for Wrought Iron Pipes .. .. .	"	50	do.	0 0 $1\frac{1}{4}$	
5033	2" for Wrought Iron Pipes .. .. .	"	50	do.	0 0 $1\frac{1}{2}$	
5034	Cowls, Educt, 4", 22 gauge .. .. .	"	50	do.	0 1 10	}
	Down-pipe, Galvanized Iron, 24 gauge, in 6' lengths—					
5035	2" .. .. .	..	340 lghts.	length	..	
5036	2 $\frac{1}{2}$ " .. .. .	..	700 "	do.	..	
5037	3" .. .. .	..	500 "	do.	..	} Nil
5038	4" .. .. .	..	150 "	do.	..	
	Hooks, Pipe, Galvanized—					
5039	$\frac{1}{2}$ " .. .. .	..	} 7 doz.	dozen	..	
5040	$\frac{3}{4}$ " .. .. .	..		do.	..	
5041	1" .. .. .	..		do.	..	
5042	$1\frac{1}{2}$ " .. .. .	..		do.	..	
5043	$1\frac{1}{2}$ " .. .. .	..	} 3 "	do.	..	}
5044	2" .. .. .	..		do.	..	
5045	(M) Offsets, 20 G., 4", with 4" to 6" projections, as ordered	..	6	each	..	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
<b>PLUMBERS' GOODS (GALVANIZED IRONWARE)—continued.</b>						
5046	Pipes, Flush, any projections ordered— (M) 1½" .. .. .	Vict. & U.K.	40	each	0 4 3	W. E. Cash
5047	(BE) 1½" .. .. .	"	6	do.	0 4 3	
5048	(BA) 1½" .. .. .	"	6	do.	0 4 3	
5049	Pipe, Vent, in 6' lengths— (M) 4" x 20 G. .. .. .	"	75 lgths.	length	0 5 1	
5050	(BE) 4" x 20 G. .. .. .	"	30 "	do.	0 5 1	
5051	(BA) 4" x 20 G. .. .. .	"	30 "	do.	0 5 1	Nil
5052	(M) 3" x 20 G. .. .. .	"	20 "	do.	0 4 3	
5053	(BE) 3" x 20 G. .. .. .	"	6 "	do.	0 4 3	
5054	(BA) 3" x 20 G. .. .. .	"	6 "	do.	0 4 3	
5055	Screws, Galvanized, cone head, any sizes ordered	"	3 cwt.	lb.	..	
5056	Spelter— No. 1 .. .. .	"	..	..	..	Nil
5057	No. 2 .. .. .	"	9 cwt.	lb.	..	
5058	No. 3 .. .. .	"	5 "	do.	..	
5059	No. 4 .. .. .	"	3 "	do.	..	
5060	No. 5 .. .. .	"	7 lb.	do.	..	
5061	Spikes and Tubes, Galvanized, for Spouting— 6" .. .. .	"	60 doz.	dozen	..	W. E. Cash
5062	7" .. .. .	"	48 "	do.	..	
5063	Strainers, Sheet Iron— (M) 1½" .. .. .	Vict. & U.K.	20	each	0 0 5	W. E. Cash
5064	(M) 2" .. .. .	"	10	do.	0 0 5	
5065	(M) 3" .. .. .	"	20	do.	0 0 9	
5066	(M) 4" .. .. .	"	20	do.	0 1 6	
5067	Washers, Cut Iron, Galvanized, any sizes ordered	"	3 cwt.	cwt.	..	Nil
5068 to 5076	Nil					

**CAST IRON WATER PIPES.**

(1.7.1931 to 30.6.1932.)

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 "
10 " .. .. .	9 " .. .. .	588 "
10 " .. .. .	12 " .. .. .	763 "

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 ½ inch less than the specified diameter of the Pipe being freely put through each Pipe.

The rates do not include Sales Tax.

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

## CAST IRON WATER PIPES—continued.

	Pipes, Cast Iron, Water—					
5077	3", in 9' lengths .. .. .	Vict.	4 tons	ton	15 10 0	Joseph Nixon & Sons
5078	4", in 9' lengths .. .. .	"	20 "	do.	14 17 6	
5079	6", in 9' lengths .. .. .	"	12 "	do.	14 12 6	
5080	9", in 9' lengths .. .. .	"	20 "	do.	.. ..	
5081	9", in 12' lengths .. .. .	Vict.	} 30 "	do.	16 0 0	Nil
5082	10", in 9' lengths .. .. .	"		do.	.. ..	Monteath & Sons Pty. Ltd.
5083	10", in 12' lengths .. .. .	Vict.		do.	16 0 0	Nil
						Monteath & Sons Pty. Ltd.
5084	12", in 9' lengths .. .. .	"	} 40 "	do.	.. ..	Nil
5085	12", in 12' lengths .. .. .	Vict.		do.	16 0 0	Monteath & Sons Pty. Ltd.
5086	Nil					

## IRON, AND MALLEABLE IRON, CASTINGS.

(1.7.1931 to 30.6.1932.)

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 Spencer-street railway station, and delivered to the Contractor at the said railway station free of cost or carriage.

Whenever specially ordered, the Castings shall be run from the very best "cold-blast iron" of such particular brand, quality, and mixture as may be described in the order; or of such other substituted mixture as may be approved or directed by the 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  $\frac{1}{4}$  inch, taken from any Casting, shall be capable of being bent through an angle of not less than 180 degrees round a bar of 1 in. diameter without showing signs of fracture.

The Corporation shall provide the patterns for all Castings ordered.

## 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. .. .. .	8.0

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.

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

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

*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 1/8 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 rumbling, sand-blasting, or a combination of both.

The rates do not include Sales Tax.

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", 10", and 12", consisting of 1/8", 1/4", or 1/2" 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	22 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.	24 0 0	
	Castings, Malleable Iron—					Nil
5089	Up to 1 lb. . . . .	..	750 lb.	lb.	..	
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.	..	
	Castings, Malleable Iron, for use by Electrical Engineering Branch—to Specification.					Nil
5093	Up to 1 lb. . . . .	..	1 cwt.	do.	..	
5094	Over 1 lb. and up to 5 lb. . . . .	..	2 "	do.	..	
5095	Over 5 lb. and up to 15 lb. . . . .	..	1 "	do.	..	
5096	Over 15 lb. . . . .	..	1 "	do.	..	
5097 to 5100	Nil					

## DRAPERY, FURNITURE, ETC., No. 1

(1.7.1931 to 30.6.1932.)

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

With the exception of the following items, all rates are exclusive of Sales Tax.

As regards Items Nos. 5105, 5109, 5112, 5113, 5114, 5123, and 5125, Sales Tax will be borne by the Contractor.

†5101	Baize, Green, 72" wide . . . . .	..	75 l. yds.	l. yd.	..	Nil
†5102	Corduroy, Plush, Green, 28" wide . . . . .	..	25 "	do.	..	
	Dusters, Feather—					Excelsior Broom Co.
†5103	No. 5 . . . . .	..	..	..	..	
†5104	No. 34 . . . . .	..	350	each	..	
†5105	No. 46 . . . . .	..	400	do.	0 3 9	
†5106	No. 60 . . . . .	..	90	do.	..	
†5107	Dusters, Linen, check . . . . .	..	14 doz.	dozen	..	Nil

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
DRAPERY, FURNITURE, ETC., No. 1—continued.						
†5108	Eyelets and Brewsters, nickel—					Nil
†5109	Single .. .. .	Vict.	3 gross	gross	1 10 0	Gair Manufacturing Co. Pty. Ltd.
†5110	Double .. .. .					Nil
†5111	Treble .. .. .					Nil
†5112	Fibre, Upholsterers', loose .. .. .	U.K.	200 l. yds.	lin. yd.	*0 0 6	Gair Manufacturing Co. Pty. Ltd.
†5113	Hessian, for paperhanging, 72" wide, sample "B" .. .. .		1,500	do.	*0 1 0	Gair Manufacturing Co. Pty. Ltd.
†5114	" for upholstering, 72" wide, sample "D" .. .. .		800 sq. yds.	sq. yd.	*0 1 4½	Gair Manufacturing Co. Pty. Ltd.
*5115	Holland, any colours and widths ordered .. .. .		200 l. yds.	l. yd.		Nil
†5116	Felt, for Linoleum, 6' .. .. .					Nil
†5117	" vermin proof, ¾" mounted on 14 oz. hessian, 72" wide .. .. .					Nil
†5118	Linoleum—					Nil
†5119	Inlaid, 6' wide, any pattern selected, "A" quality .. .. .		2,000 l. yds.	l. yd.		Nil
†5120	Plain, Brown, 6' wide, "A" quality .. .. .		200 l. yds.	l. yd.		Nil
†5121	" Terra Cotta, 6' wide, "A" quality, with painted back .. .. .					Nil
†5122	" Green, 6' wide, "A" quality .. .. .					Nil
†5123	Mops, Cotton, 16-oz. (heads only) .. .. .	Vict.	200 doz.	dozen	0 19 0	Downs & Son Pty. Ltd.
†5124	" " 16 oz., spiked (heads only) .. .. .	(partly) U.K.	1 gross	gross	*0 13 0	Gair Manufacturing Co. Pty. Ltd.
†5125	Staples, iron breeching, for holding down blinds, 1¼", 1½", or 1¾" as ordered .. .. .					Nil
†5126	Studs, press, nickel .. .. .	Vict.	180 doz.	dozen	0 1 8½	Joseph Nathan & Co. (Aust.) Pty. Ltd.
†5127	Towels, "Camelia" .. .. .					Nil
FURNITURE.						
†5128	Bottoms, Chair, 3 ply, perforated, any sizes and shapes ordered .. .. .		72	each		Nil
†5129	Chairs, Vienna pattern, with stiffening pieces between the back and seat .. .. .					Nil
†5130	" Revolving, high back .. .. .		6	each		Nil
*5131	Chairs, Revolving, low back, "Douglas" .. .. .					Nil
*5132	" Office, arm, rigid, "Douglas" .. .. .		12	each		Nil
5133	to Nil					Nil
5134	5139					Nil

## TIMBER.

(1.7.1931 to 30.6.1932.)

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.

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.

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. 5172 to 5201, all sections and shapes shall be full to size ordered, including Oregon supplied in fitches.

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

**TIMBER—continued.**

With regard to sawn Oregon Timber, Items Nos. 5172 to 5201, 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.

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

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

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

The Contractor will not be required to load the Timber into railway trucks at Spencer-street Goods Sheds. Each board supplied under Items 5227 to 5229 shall bear the stamp of the saw-mill at which it is milled.

**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  $\frac{1}{4}$  inch under the nominal sizes. Thicknesses shall stand up full to sizes specified in the Schedule.

With the exception of the following items, all rates are exclusive of Sales Tax.

As regards Items Nos. 5229 to 5232 and 5253, Sales Tax will be borne by the Contractor.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
	Hoop Pine, 1", 1 $\frac{1}{4}$ ", 1 $\frac{1}{2}$ ", 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 .. .. .				do.	
5141	14" wide .. .. .				do.	
5142	16" wide .. .. .				do.	
5143	18" wide .. .. .				do.	
	Kauri, Queensland, 1", 1 $\frac{1}{4}$ ", 1 $\frac{1}{2}$ ", and 2" thick, 10' and up to 18' in length, as ordered—			2,500		
5144	12" wide .. .. .				do.	
5145	14" wide .. .. .				do.	
5146	16" wide .. .. .				do.	
5147	18" wide .. .. .				do.	
	Yellow Pine, 1", 1 $\frac{1}{4}$ ", 1 $\frac{1}{2}$ ", and 2" thick, 10' and up to 16' in length, as ordered—					
5148	8" wide .. .. .				do.	
5149	10" wide .. .. .				do.	
5150	12" wide .. .. .				do.	
5151	14" wide .. .. .				do.	
5152	16" wide .. .. .				do.	
5153	18" wide .. .. .				do.	
	Yellow Pine, 1", 1 $\frac{1}{4}$ ", 1 $\frac{1}{2}$ ", and 2" thick, in random lengths 10' and up to 16'—			5,000		
5154	8" wide .. .. .				do.	
5155	10" wide .. .. .				do.	
5156	12" wide .. .. .				do.	
5157	14" wide .. .. .				do.	
5158	16" wide .. .. .				do.	
5159	18" wide .. .. .				do.	
	White Pine, New Zealand, 1", 1 $\frac{1}{4}$ ", 1 $\frac{1}{2}$ ", and 2" thick, 10' and up to 16' in length, as ordered—					
5160	8" wide .. .. .				do.	
5161	10" wide .. .. .				do.	
5162	12" wide .. .. .				do.	
5163	14" wide .. .. .				do.	
5164	16" wide .. .. .				do.	
5165	18" wide .. .. .				do.	
	White Pine, New Zealand, 1", 1 $\frac{1}{4}$ ", 1 $\frac{1}{2}$ ", and 2" thick, in random lengths 10' and up to 16'—			2,500		
5166	8" wide .. .. .				do.	
5167	10" wide .. .. .				do.	
5168	12" wide .. .. .				do.	
5169	14" wide .. .. .				do.	
5170	16" wide .. .. .				do.	
5171	18" wide .. .. .				do.	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
<i>TIMBER—continued.</i>						
5172	Oregon, Sawn (Battens), up to 25' in length— 1" thick up to 3" wide, "Merchantable" ..	..	5,000	Sup. ft. of 1" thick	100 sup. ft. of 1" thick.	..
5173	1" thick up to 3" wide, "Selected ex Merchantable" ..	..		do.	do.	
5174	Oregon, Sawn (excluding Battens), up to 32' in length— 1" to 2" thick, up to 12" wide, "Merchant- able" ..	..	10,000	do.	..	..
5175	1" to 2" thick, up to 12" wide, "Selected ex Merchantable" ..	..		do.	..	
5176	1" to 2" thick over 12" to 18" wide, "Merchantable" ..	..		do.	..	
5177	1" to 2" thick over 12" to 18" wide, "Selected ex Merchantable" ..	..		do.	..	
5178	Oregon, Sawn, "Merchantable," over 2" to 10" thick up to 12" wide— Up to 32' in length, as ordered ..	..	15,000	do.	..	..
5179	Over 32' to 40' in length, as ordered ..	..		do.	..	
5180	Over 40' to 50' in length, as ordered ..	..		do.	..	
5181	Over 50' to 60' in length, as ordered ..	..		do.	..	
5182	Over 60' to 70' in length, as ordered ..	..		do.	..	
5183	Oregon, Sawn, "Merchantable," over 2" to 10" thick, over 12" to 18" wide— Up to 32' in length, as ordered ..	..		do.	..	
5184	Over 32' to 40' in length, as ordered ..	..		do.	..	
5185	Over 40' to 50' in length, as ordered ..	..		do.	..	
5186	Over 50' to 60' in length, as ordered ..	..		do.	..	
5187	Over 60' to 70' in length, as ordered ..	..		do.	..	
5188	Oregon, Sawn, "Selected ex Merchantable," over 2" to 10" thick, up to 12" wide— Up to 32' in length, as ordered ..	..	20,000	do.	..	Nil
5189	Over 32' to 40' in length, as ordered ..	..		do.	..	
5190	Over 40' to 50' in length, as ordered ..	..		do.	..	
5191	Over 50' to 60' in length, as ordered ..	..		do.	..	
5192	Over 60' to 70' in length, as ordered ..	..		do.	..	
5193	Oregon, Sawn, "Selected ex Merchantable," over 2" to 10" thick, over 12" to 18" wide— Up to 32' in length, as ordered ..	..		do.	..	
5194	Over 32' to 40' in length, as ordered ..	..		do.	..	
5195	Over 40' to 50' in length, as ordered ..	..		do.	..	
5196	Over 50' to 60' in length, as ordered ..	..		do.	..	
5197	Over 60' to 70' in length, as ordered ..	..		do.	..	
5198	Oregon, Sawn, "Imported Selected" (No. 2 Clear or better), over 2" to 10" thick, up to 12" wide— Up to 32' in length, as ordered ..	..	2,500	do.	..	..
5199	Over 32' to 40' in length, as ordered ..	..		do.	..	
5200	Oregon, Sawn, "Imported Selected" (No. 2 Clear or better), over 2" to 10" thick, over 12" to 18" wide— Up to 32' in length, as ordered ..	..	2,500	do.	..	..
5201	Over 32' to 40' in length, as ordered ..	..		do.	..	
5202	Timber, Oregon, "Flitches," "Selected ex Merchantable," 16' to 32', in random lengths— 6" thick x 12" to 19" wide, in random widths ..	..	25,000	do.	..	..
5203	6" thick x 20" to 30" wide, in random widths ..	..		do.	..	
5204	10" thick x 12" to 19" wide, in random widths ..	..		do.	..	
5205	10" thick x 20" to 30" wide, in random widths ..	..		do.	..	

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), 16" to 32', in random lengths—		Super feet of 1" thick.							
5206	6" thick x 12" to 19" wide, in random widths	..	25,000	100 sup. ft. of 1" thick. do.	..	Nil				
5207	6" thick x 20" to 30" wide, in random widths	..		do.	..					
5208	10" thick x 12" to 19" wide, in random widths	..		do.	..					
5209	10" thick x 20" to 30" wide, in random widths	..		do.	..					
	Over 32' to 40' in length, as ordered—									
5210	6" thick x 12" to 19" wide, in random widths	..	5,000	do.	..		Nil			
5211	6" thick x 20" to 30" wide, in random widths	..		do.	..					
5212	10" thick x 12" to 19" wide, in random widths	..		do.	..					
5213	10" thick x 20" to 30" wide, in random widths	..		do.	..					
5214	12" thick x 12" wide	..		do.	..			Nil		
	Shelving, Yellow Pine, $\frac{3}{8}$ " thick (finished size), dressed, up to 16' in length—		Super. feet on face.	100 sup. ft. on face.					Neville Smith & Co.	
5215	12" wide	..	500	do.	..					
5216	14" wide	..		do.	..					
5217	16" wide	..		do.	..					
5218	18" wide	..		do.	..					
	Shelving, White Pine, New Zealand, $\frac{3}{8}$ " thick (finished size), dressed, up to 16' in length—									W. Cook
5219	12" wide	..	500	do.	..					
5220	14" wide	..		do.	..					
5221	16" wide	..		do.	..					
5222	18" wide	..		do.	..					
	Wrought Red Deal, Baltic, in random lengths, 10' and up—		Run. ft.	100 ft. run.		Neville Smith & Co.				
5223	6" x $\frac{1}{2}$ ", T. and G. and beaded	..	5,000	do.	..					
5224	6" x $\frac{1}{2}$ ", T. and G.	..	5,000	do.	..					
5225	6" x $\frac{3}{4}$ ", T. and G.	..	20,000	do.	..					
5226	6" x 1 $\frac{1}{8}$ ", T. and G.	..	15,000	do.	..					
†5227	Mountain Ash, 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, "Triangle," f.o.r. Spencer-street	Vict.	100,000	do.	0 8 6	Neville Smith & Co.				
†5228	Mountain Ash, 4 $\frac{1}{2}$ " x $\frac{3}{4}$ ", T. and G., dressed, in bundles of even lengths, 10' and up, "Triangle," f.o.r. Spencer-street	..	100,000	do.	0 14 0					
†5229	Weatherboards, Mountain Ash, 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 14 8					
†5230	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, f.o.r. Deniliquin	N.S.W.	3,000	do.	0 10 6	A. H. Parry, c/o A. T. Burton				
†5231	Murray Pine, produced out of 6" x 1" timber and finished, 5 $\frac{1}{2}$ " x $\frac{3}{4}$ ", T. and G., dressed, in bundles of even lengths, 10' and up, f.o.r. Deniliquin	..	26,000	do.	0 17 6					
†5232	Murray Pine, 4" x $\frac{3}{4}$ ", T. and G., dressed, in bundles of even lengths, 10' and up, f.o.r. Deniliquin	..		do.	0 12 4					
	MOULDINGS.—RED PINE.									
	Architrave, Red Pine, D. or S., B.N., $\frac{3}{8}$ " thick, (finished thickness).					Nil				
5233	3" wide	..	500	do.	..					
5234	4" wide	..		do.	..					
5235	5" wide	..		do.	..					
5236	6" wide	..		do.	..					
5237	Insertion, Red Pine, 1 $\frac{1}{2}$ " x $\frac{1}{2}$ " (finished sizes)	..	500	do.	..					



Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
<i>TIMBER—continued.</i>						
	Scotia, Plain, Red Pine—		Run. ft.	100 ft. run.		
5238	$\frac{5}{8}$ " x $\frac{3}{4}$ " (finished sizes) .. ..		500	do.	..	
5239	$1\frac{3}{8}$ " x $1\frac{3}{8}$ " (finished sizes) .. ..		500	do.	..	
5240	$1\frac{3}{8}$ " x $1\frac{3}{4}$ " (finished sizes) .. ..		500	do.	..	
5241	$2\frac{3}{4}$ " x $2\frac{3}{8}$ " (finished sizes) .. ..		500	do.	..	
	Skirting, Red Pine—					
5242	7" x $\frac{7}{8}$ ", B.N. .. ..		500	do.	..	
5443	9" x $\frac{7}{8}$ ", B.N. .. ..		500	do.	..	
	Quad. Mouldings, Red Pine—					
5244	1" (finished sizes) .. ..		1,000	do.	..	
5245	$1\frac{1}{8}$ " (finished sizes) .. ..		1,000	do.	..	
5446	$1\frac{3}{8}$ " (finished sizes) .. ..		1,000	do.	..	
	Picture Rail, Red Pine.					
5247	$2\frac{1}{2}$ " x 1" .. ..		250	do.	..	
	Cover Strips, Red Pine—					
5248	$1\frac{1}{2}$ " x $\frac{3}{8}$ " (finished size) .. ..		1,500	do.	..	
5249	2" x $\frac{3}{8}$ " (finished size) .. ..		8,000	do.	..	
	Staff Bead, Red Pine—					
5250	$\frac{7}{8}$ " x $\frac{5}{8}$ " (finished size) .. ..		250	do.	..	
5251	$1\frac{1}{8}$ " x $\frac{5}{8}$ " (finished size) .. ..		250	do.	..	
†5252	Skirting, Murray Pine—					
	6" x $\frac{7}{8}$ ", B.N. (finished size) .. ..		5,000	do.	..	
	Three and Five Ply Timber, sanded one side, in sheets 6' x 3'—		sheets	100 sq. ft.		
5253	Hoop Pine, $\frac{3}{16}$ " thick, three-ply .. ..	Q'land.	300	do.	0 14 6	W. Cook
5254	" " $\frac{1}{4}$ " thick, three-ply .. ..	"	200	do.	1 2 0	
5255	" " $\frac{5}{16}$ " thick, five-ply .. ..	"	50	do.	1 7 0	
5256	Mountain Ash, $\frac{5}{16}$ " thick, five-ply .. ..	"	50	do.	1 7 6	John Sharp & Sons Ltd.
5257	Maple, $\frac{3}{16}$ " thick, three-ply .. ..	"	100	do.	2 2 6	
5258	" " $\frac{5}{16}$ " thick, five-ply .. ..	"	20	do.	2 19 6	
	Three and Five Ply Timber, sanded one side, in sheets 6' x 4'—					
5259	Hoop Pine, $\frac{3}{16}$ " thick, three-ply .. ..		50	do.	..	
5260	" " $\frac{1}{4}$ " thick, three-ply .. ..		30	do.	..	
5261	" " $\frac{5}{16}$ " thick, five-ply .. ..		30	do.	..	
5262	Mountain Ash, $\frac{5}{16}$ " thick, five-ply .. ..		30	do.	..	
5263 to 5459	Nil.					

## ASBESTOS CEMENT AND FIBRE PLASTER SHEETS, ETC.

(1.7.1931 to 30.6.1932.)

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.

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

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

\* Items Nos. 5463 to 5479, if desired, the sheets shall be properly packed in preferred crates for transport by rail. The cost of such packing shall be on quantities wherein less than 20 cwt., 3d. net per square yard, with a minimum of 7s. 6d. to be added to the Contract price. On quantities of 20 cwt. and over (based on 100 square yards to the ton) in which bulk crates are used, 1d. net per square yard shall be added to the Contract price, and in addition to which the iron work on such crates may be charged at £1 for each set. This charge of £1 shall be credited to the Corporation on return of each set to the supplier in good order and condition and at the Corporation's expense.

The Corporation shall, when ordering, indicate the packing if any desired.

\*\*As regards Item No. 5460—If crating is required, 3d. per square yard will be charged, 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.

Delivery will be given in railway trucks as under:—

Item No. 5460—Sunshine, or city delivery at extra rates (see above).

Item Nos. 5461, 5462, and 5482—Bell.

Item Nos. 5463 to 5481, 5483, and 5484—Brooklyn.

As regards Items Nos. 5461 to 5484 the rates include Sales Tax, the balance are exclusive of Sales Tax.

†5460	Asbestos Cement Sheets, plain, $\frac{3}{16}$ " thick, in the following sizes—3', 4', 5', 6', 7', 8', 9', and 10' long x 4', 3', 2', and 1' 6" wide	Vict. (partly)	250 sq. yds.	sq. yd.	**0 2 7 (Plus Sales Tax less 2½ %.)	Wunderlich Ltd.
†5461	Fibre Plaster Sheets, $\frac{1}{4}$ " thick, in the following sizes—5', 5' 6", 6', 6' 6", 7', 7' 6", 8', 8' 6", and 9' long x 3', 3' 6", 4', and 4' 6" wide	"	3,000	do.	0 1 5	Eclipse Fibrous Plaster Co.
†5462	Fibre Plaster Sheets, $\frac{1}{4}$ " thick, $\frac{1}{4}$ " rebate on all edges, any size ordered up to 10' x 4'	"	50	do.	0 2 2	
	Asbestos Cement Corrugated Sheets, $\frac{3}{16}$ " thick x 2' 7½" wide. Corrugations to be $\frac{1}{16}$ " deep x 3" pitch—					
5463	4' long	"	300 sheets	each	*0 4 1	
5464	5' "	"		do.	*0 5 1	
5465	6' "	"		do.	*0 6 3	
†5466	7' "	"		do.	*0 7 2	
5467	8' "	"		do.	*0 8 2	
5468	9' "	"		do.	*0 9 4	
5469	10' "	"		do.	*0 10 6	
	Asbestos Cement Corrugated Sheets, approximately $\frac{1}{4}$ " thick x 3' 5½" wide, corrugations to be $\frac{1}{8}$ " deep x 5½" pitch—					
5470	5' long	"	1,000 sheets	do.	*0 6 8	James Hardie & Co. Ltd.
5471	6' long	"		do.	*0 8 0	
5472	6' 6" long	"		do.	*0 8 8	
5473	7' long	"		do.	*0 9 4	
†5474	7' 6" long	"		do.	*0 10 0	
5475	8' long	"		do.	*0 10 8	
5476	8' 6" long	"		do.	*0 11 4	
5477	9' long	"		do.	*0 12 0	
5478	9' 6" long	"		do.	*0 12 8	
5479	10' long	"		do.	*0 13 4	
5480	Ridging, Asbestos Cement, 8", wings in 6' lengths	"	25 lengths	lin. ft.	0 0 10	Eclipse Fibrous Plaster Co.
†5481	" Asbestos Cement, 12" wings, in 6' lengths	"	75	do.	0 1 2	
†5482	Vents, Plaster of Paris, 9" x 6" x 1"	"	20	each	0 0 5½	James Hardie & Co. Ltd.
†5483	Washers, Concave Galvanized Steel, for securing Asbestos Cement Corrugated Roofing	U.K. and N.S.W.	50 gross	gross	0 1 9	
†5484	Washers, Rexilite (or other similar material), for securing Asbestos Cement Corrugated Roofing	"	50	do.	0 1 3	
5485 to 5493	Nil					

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
SUNDRY BROOMS AND BRUSHWARE.						
(1.7.1931 to 30.6.1932.)						
The rates do not include Sales Tax.						
Brooms—						
†5494	Bass .. .. .	Vict.	770	each	0 2 0	} Royal Victorian Institute for the Blind
†5495	Bassine, 24" .. .. .	"	70	do.	0 3 6	
†5496	Bass and Cane .. .. .	"	540	do.	0 2 0	
†5497	Hair, small .. .. .	"	1,670	do.	0 2 10	
†5498	" 24" .. .. .	"	700	do.	0 8 8	
†5499	Millet .. .. .	"	1,250	do.	0 2 3	
Brushes—						
†5500	Stove, soft .. .. .					Nil
†5501	Bottle twisted wire .. .. .	Vict.	18	each	0 0 4	} John Zevenboom & Co.
*5502	Car Cleaning .. .. .	"	400	do.	0 0 5½	
†5503	Channel .. .. .	"	3	do.	0 1 6	Royal Victorian Institute for the Blind
†5504	Damping, flat, copper ferrule, brass pins, 4" .. .. .		12	do.		} Nil
†5505	Dandy .. .. .		24	do.		
†5506	Distemper, Fibre .. .. .		50	do.		} Royal Victorian Institute for the Blind
†5507	Dusters, Painters' .. .. .	Vict.	60	do.	0 1 9	
†5508	Driven Fibre .. .. .		190	do.		} Nil
†5509	Flue .. .. .					
†5510	Hand, Banister .. .. .	Vict.	1,350	each	0 2 2	} Royal Victorian Institute for the Blind
†5511	" Bassine .. .. .	"	12	do.	0 1 1	
*5512	Louvre, Washing .. .. .		90	do.		} Nil
†5513	Lye .. .. .					
†5514	Nail .. .. .		144	each		} Royal Victorian Institute for the Blind
†5515	Pan .. .. .	Vict.	48	do.	0 0 6	
†5516	Pick .. .. .	"	24	do.	0 0 7	Thos. Mitchell & Co. Pty. Ltd.
*5517	For cleaning railway points .. .. .	"	500	do.	0 0 5½	} Gibaud & Son Pty. Ltd.
*5518	Scouring, Bristle .. .. .	"	100	do.	0 1 3½	
†5519	Scrubbing, Deck, coir .. .. .		50	do.	0 1 8	} Royal Victorian Institute for the Blind
†5520	Scrubbing, Hand .. .. .		1,000	do.	0 0 9	
†5521	" Angle, Scrub Fibre .. .. .		100	do.	0 1 6	} Thos. Mitchell & Co. Pty. Ltd.
†5522	Sewer .. .. .		60	do.	0 1 5	
†5523	Stencil, 1" .. .. .		72	do.	0 0 10	} Nil
†5524	" 1½", Tarpaulin .. .. .		12	each		
†5525	Swabs, Coir .. .. .					} Thos. Mitchell & Co. Pty. Ltd.
†5526	Tar, handled .. .. .	Vict.	60	each	0 1 1	
†5527	Tarpaulin, dressing .. .. .		3	do.		} Nil
†5528	Whitewash, tin bound .. .. .		60	do.		
†5529	Wire, 1½" diameter, for cleaning boiler tubes .. .. .		600			} Royal Victorian Institute for the Blind
†5530	Whisks, Hand .. .. .	Vict.	900	do.	0 0 7½	
Refilling Heads for Chimney Sweepers—						
†5531	With Whalebone .. .. .		6	do.	0 9 0	} Royal Victorian Institute for the Blind
†5532	With Cane .. .. .		3	do.	0 2 10	
PAINTERS' BRUSHES.						
Brushes, Painters'—						
†5533	2/0 .. .. .		12	each		Nil
†5534	6/0 .. .. .	Vict.	36	do.	0 6 6	} Thos. Mitchell & Co. Pty. Ltd.
†5535	8/0 .. .. .		380	do.	0 8 0	
†5536	Distemper, 6", Flat .. .. .	Vict.	25	do.	0 14 0	Gibaud & Son Pty. Ltd.
†5537	" 12 oz., Copper Band .. .. .					} Nil
Brushes, Varnish—Black Bristle, Bevelled Edge—						
†5538	1" thick x 1" wide .. .. .		36	each		} John Zevenboom & Co.
†5539	1" thick x 1" wide .. .. .	Vict.	18	do.	0 0 7½	
†5540	1" thick x 1½" wide .. .. .		50	do.		} Nil
†5541	1" thick x 2" wide .. .. .	Vict.	330	do.	0 1 4½	
†5542	1" thick x 3" wide .. .. .	"	320	do.	0 2 9	} Gibaud & Son Pty. Ltd.
†5543	1" thick x 2½" wide .. .. .	"	90	do.	0 2 0	

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

## SUNDRY BROOMS AND BRUSHWARE—continued.

	Brushes, Varnish—White Bristle, Fitches, Tin bound, flat—					
†5544	$\frac{1}{16}$ " x $\frac{5}{16}$ " .. .. .	Vict.	90	each	0 0 5½	John Zevenboom & Co.
†5545	$\frac{7}{8}$ " x $\frac{3}{8}$ " .. .. .	"	12	do.	0 0 9	
†5546	1" x $\frac{7}{16}$ " .. .. .	"	570	do.	0 1 0	
	Brushes—					
†5547	Wall, 3" .. .. .	"	500	do.	0 2 6½	Gibaud & Son Pty. Ltd.
†5548	Weatherboard, 3½" .. .. .	"	200	do.	0 2 10	
†5549	" 4" .. .. .	"	120	do.	0 3 3	
	Tools, Sash—					
†5550	No. 1 .. .. .	"	250	do.	0 0 4	Nil
†5551	No. 3 .. .. .	"	36	do.	..	
†5552	No. 4 .. .. .	Vict.	150	do.	0 0 7	
†5553	No. 5 .. .. .	"	60	do.	..	Gibaud & Son Pty. Ltd.
†5554	No. 6 .. .. .	Vict.	250	do.	0 1 0	
†5555	No. 7 .. .. .	"	48	do.	0 1 3	
†5556	No. 8 .. .. .	"	430	do.	..	Nil
†5557	No. 9 .. .. .	"	..	do.	..	
†5558	No. 10 .. .. .	"	50	each	..	
†5559	No. 12 .. .. .	Vict.	100	do.	0 3 7½	John Zevenboom & Co.
	STEEL BRUSHES.					
	Brushes, Steel—					
*5560	Flat .. .. .	"	72	..	..	Nil
*5561	" with handles 48" long .. .. .	"	700	do.	..	
*5562	Moulders' .. .. .	"	15	do.	..	
*5563	Large .. .. .	"	18	do.	..	John Zevenboom & Co.
*5564	Round, 1½" diameter .. .. .	"	24	do.	..	
*5565	Brushes, Steel, fitted with 55" wooden handle, for cleaning Vertical Grids of Spark Arresters on "C," "K," and "N," class Engines	Vict.	12	do.	0 7 3	
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 11, from British Standard Specification No. 28/1908, except that the thickness of the heads and nuts for black bolts ½" diameter and under, supplied by McPherson's Pty. Ltd. and G. F. Sewell Pty. Ltd., shall be as shown on extract of Table 11 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 .. .. .	½ in.	¾ in.	1 in.	1¼ in.	1½ in.	1 in.
Length of Bolts.	Length of Thread.	Length of Thread.	Length of Thread.	Length of Thread.	Length of Thread.	Length of Thread.
1 in. to 1½ in. .. .. .	In.	In.	In.	In.	In.	In.
1½ " 2 " .. .. .	½	1	1½	..	..	..
2 " 2½ " .. .. .	¾	1	1½	1½	1½	1½
2½ " 3 " .. .. .	1	1	1½	1½	1½	1½
3 " 4 " .. .. .	1	1½	1½	1½	1½	1½
4 " 8 " .. .. .	1	1½	1½	1½	2	2½
3½ " 12 " .. .. .	1	1½	1½	2	2½	2½
12½ " 20 " .. .. .	1	1½	2	2	2½	2½

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

## 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.

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.

Mephan Ferguson & Coy. Pty. Ltd.—Delivery West Footscray.

The rates do not include Sales Tax.

*5571	Bolts, Fishplate, 2" x ½"	Vict.	5 cwt.	cwt.	2 1 0	
	Bolts, M. Steel, with Cup Head, Square Neck, and Square Nut—					
5572	½" diameter x 2" in length and under..	"	40 gross	gross	0 4 1	McPherson's Pty. Ltd.
5573	½" diameter x over 2" in length ..	"	110 "	do.	0 5 7	
5574	½" diameter x 2" in length and under ..	"	10 "	do.	0 5 1	
5575	½" diameter x over 2" in length ..	"	60 "	do.	0 7 0	
5576	½" diameter x 3" in length and under..	"	400 "	do.	0 8 1	
5577	½" diameter x 3½" to 6" in length ..	"	70 "	do.	0 10 3	Nil
5578	½" diameter x over 6" in length ..	"	15 cwt.	cwt.	1 17 0	
5579	½" diameter x 5½" in length ..	"	"	"	"	
5580	½" diameter x 6" in length ..	"	"	"	"	
5581	½" diameter x 3" in length and under..	Vict.	15 cwt.	cwt.	1 17 6	
5582	½" diameter x 3½" to 6" in length ..	"	28 "	do.	1 13 6	McPherson's Pty. Ltd.
5583	½" diameter x over 6" in length ..	"	20 "	do.	"	Nil
5584	½" diameter x 3" in length and under..	Vict.	1 "	do.	1 14 6	McPherson's Pty. Ltd.
5585	½" diameter x 3½" to 6" in length ..	"	25 "	do.	1 11 3	
5586	½" diameter x 6½" to 12" in length ..	"	70 "	do.	1 6 6	Mephan Ferguson Pty. Ltd.
5587	½" diameter x over 12" in length ..	"	2 "	do.	1 4 6	McPherson's Pty. Ltd.
5588	½", ¾", and 1" diameter x 3½" to 6" in length ..	"	50 "	do.	1 6 6	G. F. Sewell Pty. Ltd.
5589	¾", ¾", and 1" diameter x 6½" to 12" in length ..	"	36 "	do.	1 5 1	Workshops Manager, Newport
5590	¾", ¾", and 1" diameter x over 12" in length ..	"	10 "	do.	1 3 0	Mephan Ferguson Pty. Ltd.
	Bolts, M. Steel, with Cup Head, Square Neck, and Hexagon Nut—					
5591	½" diameter x 2" in length and under..	Vict.	38 gross	gross	0 4 6	McPherson's Pty. Ltd.
5592	½" diameter x over 2" in length ..	"	60 "	do.	0 6 3	
5593	½" diameter x 2" in length and under ..	"	"	"	"	Nil
5594	½" diameter x over 2" in length ..	Vict.	1 gross	gross	0 8 0	McPherson's Pty. Ltd.
5595	½" diameter x 3" in length and under..	"	500 "	do.	0 8 8	
5596	½" diameter x 3½" to 6" in length ..	"	150 cwt.	cwt.	2 7 0	Workshops Manager, Newport
5597	½" diameter x over 6" in length ..	"	8 "	do.	2 0 0	
5598	½" diameter x 3" in length and under..	"	80 "	do.	2 1 6	G. F. Sewell Pty. Ltd.
5599	½" diameter x 5½" in length ..	"	"	"	"	Nil
5600	½" diameter x 6" in length ..	"	"	"	"	
5601	½" diameter x 3½" to 6" in length ..	Vict.	200 cwt.	cwt.	1 16 6	G. F. Sewell Pty
5602	½" diameter x over 6" in length ..	"	50 "	do.	1 10 3	
5603	½" diameter x 3" in length and under..	"	2 "	do.	1 16 0	Nil
5604	½" diameter x 3½" to 6" in length ..	"	16 "	do.	1 11 9	
5605	½" diameter x 6½" to 12" in length ..	"	38 "	do.	1 7 0	Mephan Ferguson Pty. Ltd.
5606	½" diameter x over 12" in length ..	"	"	"	"	
5607	¾", ¾", and 1" diameter x 3½" to 6" in length ..	Vict.	2 cwt.	cwt.	1 10 0	Nil
5608	¾", ¾", and 1" diameter x 6½" to 12" in length ..	"	"	"	"	Nil
5609	¾", ¾", and 1" diameter x over 12" in length ..	Vict.	3 cwt.	cwt.	1 4 1	Workshops Manager, Newport
	Bolts, M. Steel, with Hexagon Head, Round Neck, and Hexagon Nut (as specified)—					
5610	½" diameter x 2" in length and under..	"	150 gross	gross	0 6 6	McPherson's Pty. Ltd.
5611	½" diameter x over 2" in length ..	"	20 "	do.	0 8 9	
5612	½" diameter x 2" in length and under ..	"	190 "	do.	0 8 0	
5613	½" diameter x over 2" in length ..	"	6 "	do.	0 10 3	
5614	½" diameter x 3" in length and under..	"	300 "	do.	0 10 6	
5615	½" diameter x 3½" to 6" in length ..	"	1 cwt.	cwt.	2 12 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.	2 0 0	Workshops Manager, Newport
5617	$\frac{7}{16}$ " diameter x $4\frac{1}{2}$ " in length ..	"	1 "	do.	3 0 0	McPherson's Pty. Ltd.
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 4 6	McPherson's Pty. Ltd.
5621	$\frac{1}{2}$ " diameter x $3\frac{1}{4}$ " to 6" in length ..	"	50 "	do.	2 1 6	Mephan Ferguson Pty. Ltd.
5622	$\frac{1}{2}$ " diameter x over 6" in length ..	"	9 "	do.	1 13 0	McPherson's Pty. Ltd.
5623	$\frac{5}{16}$ " diameter x 3" in length and under ..	"	130 "	do.	1 16 6	G. F. Sewell Pty. Ltd.
5624	$\frac{5}{16}$ " diameter x $3\frac{1}{4}$ " to 6" in length ..	"	130 "	do.	1 12 0	McPherson's Pty. Ltd.
5625	$\frac{5}{16}$ " diameter x over 6" in length ..	"	26 "	do.	1 7 0	G. F. Sewell Pty. Ltd.
5626	$\frac{3}{4}$ " diameter x $2\frac{3}{4}$ " in length ..	"	5 "	do.	1 13 6	McPherson's Pty. Ltd.
5627	$\frac{3}{4}$ ", $\frac{7}{8}$ ", and 1" diameter x 3" in length and under ..	"	400 "	do.	1 13 10	Workshops Manager, Newport
5628	$\frac{3}{4}$ ", $\frac{7}{8}$ ", and 1" diameter x $3\frac{1}{4}$ " to 6" in length ..	"	180 "	do.	1 7 2	} Workshops Manager, Newport
5629	$\frac{3}{4}$ ", $\frac{7}{8}$ ", and 1" diameter x over 6" in length ..	"	130 "	do.	1 4 10	
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 6 0	Workshops Manager, Newport
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 $3\frac{1}{4}$ " to 6" in length ..	Vict.	3 cwt.	cwt.	1 11 6	Mephan Ferguson Pty. Ltd.
5634	$\frac{5}{8}$ " diameter x $6\frac{1}{4}$ " to 12" in length ..	"	20 "	do.	1 4 6	} G. F. Sewell Pty. Ltd.
5635	$\frac{5}{8}$ " diameter x over 12" in length ..	"	2 "	do.	1 4 3	
5636	$\frac{5}{8}$ " diameter x $2\frac{1}{2}$ " in length ..	"	"	"	"	Nil
5637	$\frac{3}{4}$ ", $\frac{7}{8}$ ", and 1" diameter x $3\frac{1}{4}$ " to 6" in length ..	Vict.	1 cwt.	cwt.	1 9 6	Mephan Ferguson Pty. Ltd.
5638	$\frac{3}{4}$ ", $\frac{7}{8}$ ", and 1" diameter x over 6" in length ..	"	430 "	do.	1 0 0	Workshops Manager, Newport.
	<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 $3\frac{1}{4}$ " to 6" in length ..	Vict.	1 cwt.	cwt.	2 19 6	G. F. Sewell Pty. Ltd.
5641	$\frac{3}{8}$ " diameter x 3" in length and under ..	"	"	"	"	Nil
5642	$\frac{3}{8}$ " diameter x $3\frac{1}{4}$ " to 6" in length ..	Vict.	1 cwt.	cwt.	1 19 6	Mephan Ferguson Pty. Ltd.
5643	$\frac{1}{2}$ " diameter x $6\frac{1}{4}$ " to 12" in length ..	"	"	"	"	} Nil
5644	$\frac{1}{2}$ " diameter x over 12" in length ..	"	"	"	"	
5645	$\frac{1}{2}$ " diameter x 3" in length and under ..	Vict.	1 cwt.	cwt.	1 14 3	G. F. Sewell Pty. Ltd.
5646	$\frac{1}{2}$ " diameter x $3\frac{1}{4}$ " to 6" in length ..	"	"	"	"	Nil
5647	$\frac{1}{2}$ " diameter x $6\frac{1}{4}$ " to 12" in length ..	Vict.	1 cwt.	cwt.	1 6 6	G. F. Sewell Pty. Ltd.
5648	$\frac{1}{2}$ " diameter x over 12" in length ..	"	"	"	"	} Nil
5649	$\frac{1}{2}$ " diameter x $2\frac{1}{2}$ " in length ..	"	"	"	"	
5650	$\frac{3}{4}$ ", $\frac{7}{8}$ ", and 1" diameter x $3\frac{1}{4}$ " to 6" in length ..	"	"	"	"	"
5651	$\frac{3}{4}$ ", $\frac{7}{8}$ ", and 1" diameter x over 6" in length ..	Vict.	1 cwt.	cwt.	1 0 0	G. F. Sewell Pty. Ltd.
5652	<b>Bolts, M. Steel, with Square Head, Round Neck, 2 Hexagon Nuts, <math>\frac{5}{8}</math>" diameter x <math>9\frac{3}{8}</math>" in length (as specified)</b>	"	40 "	do.	2 0 0	Workshops Manager, Newport
	<b>Bolts, M. Steel, with Countersunk Head, Square Neck, and Hexagon Nut (as specified)—</b>					
5653	$\frac{1}{2}$ " diameter x 2" in length and under ..	Vict.	6 gross	gross	0 8 9	McPherson's Pty. Ltd.
5654	$\frac{1}{2}$ " diameter x over 2" in length ..	"	"	"	"	} Nil
5655	$\frac{1}{2}$ " diameter x 2" in length and under ..	"	"	"	"	
5656	$\frac{1}{2}$ " diameter x over 2" in length ..	Vict.	4 gross	gross	0 15 3	} McPherson's Pty. Ltd.
5657	$\frac{3}{8}$ " diameter x 3" in length and under ..	"	20 "	do.	0 13 3	
5658	$\frac{3}{8}$ " diameter x $3\frac{1}{4}$ " to 6" in length ..	"	1 cwt.	cwt.	3 3 6	} Workshops Manager, Newport
5659	$\frac{3}{8}$ " diameter x over 6" in length ..	"	1 "	do.	2 6 6	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
<b>BOLTS AND NUTS—continued.</b>						
5660	Bolts, M. Steel, with Countersunk Head, Square Neck, and Hexagon Nut (as specified)— <i>continued.</i> $\frac{1}{2}$ " diameter x 3" in length and under..	Vict.	4 cwt.	cwt.	2 8 6	Mephan Ferguson Pty. Ltd.
5661	$\frac{1}{2}$ " diameter x $3\frac{1}{4}$ " to 6" in length ..	..	..	..	..	Nil
5662	$\frac{1}{2}$ " diameter x over 6" in length ..	..	..	..	..	..
5663	$\frac{3}{8}$ " diameter x 3" in length and under..	Vict.	1 cwt.	cwt.	1 19 6	Mephan Ferguson Pty. Ltd.
5664	$\frac{3}{8}$ " diameter x $3\frac{1}{4}$ " to 6" in length ..	..	1 "	do.	1 12 6	..
5665	$\frac{3}{8}$ " diameter x over 6" in length ..	..	..	..	..	..
5666	$\frac{3}{8}$ ", $\frac{7}{8}$ ", and 1" x 3" in length and over..	..	..	..	..	..
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 ..	..	..	..	..	..
5669	$\frac{3}{8}$ " diameter x 3" in length and under ..	Vict.	90 cwt.	cwt.	2 6 8	Workshops Manager, Newport
5670	$\frac{3}{8}$ " diameter x $3\frac{1}{4}$ " to 6" in length ..	..	1 "	do.	2 3 6	Mephan Ferguson Pty. Ltd.
5671	$\frac{3}{4}$ " diameter x 3" in length and under ..	..	35 "	do.	1 18 0	Workshops Manager, Newport
5672	$\frac{3}{4}$ " diameter x $3\frac{1}{4}$ " to 6" in length ..	..	6 "	do.	1 13 6	Mephan Ferguson Pty. Ltd.
5673	1" diameter x over 6" in length ..	..	..	..	..	Nil
	Bolts, M. Steel, Cup Head, Nibbed Neck, Hexagon Nut (as specified)—					
5674	$\frac{1}{2}$ " diameter x 3" in length and under ..	Vict.	1 cwt.	cwt.	4 0 5	..
5675	$\frac{3}{8}$ " diameter x 3" in length and under ..	..	12 "	do.	3 13 1	..
5676	$\frac{3}{8}$ " diameter x 3" in length and under ..	..	4 "	do.	2 9 9	Workshops Manager, Newport
5677	1" diameter x 3" in length and under ..	..	2 "	do.	2 0 0	..
5678	1" diameter x $3\frac{1}{4}$ " to 6" in length ..	..	2 "	do.	1 18 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 ..	..	..	..	..	..
5680	2 $\frac{1}{4}$ " x $\frac{5}{8}$ ", with two Nuts ..	..	..	..	..	..
5681	2 $\frac{1}{4}$ " x $\frac{5}{8}$ ", with two Nuts ..	..	..	..	..	..
5682	3" x $\frac{5}{8}$ ", with two Nuts and Pinhole ..	..	..	..	..	..
5683	3 $\frac{1}{4}$ " x $\frac{5}{8}$ ", with two Nuts and Pinhole ..	..	..	..	..	..
5684	4 $\frac{1}{4}$ " x $\frac{5}{8}$ ", with two Nuts ..	..	..	..	..	Nil
5685	5 $\frac{1}{4}$ " x 1", with two Nuts, Pinhole, and Reducing Points (as specified)	..	..	..	..	..
	Bolts, M. Steel, T Head, with Hexagon Nut—(as specified)					
5686	1 $\frac{1}{4}$ " x $\frac{1}{2}$ " ..	..	..	..	..	..
5687	2" x $\frac{1}{2}$ " ..	Vict.	16 cwt.	cwt.	3 3 6	Mephan Ferguson Pty. Ltd.
5688	2" x $\frac{5}{8}$ " ..	..	..	..	..	Nil
5689	2 $\frac{1}{4}$ " x $\frac{1}{2}$ " ..	Vict.	1 cwt.	cwt.	3 2 6	Mephan Ferguson Pty. Ltd.
5690	2 $\frac{1}{2}$ " x $\frac{1}{2}$ " ..	..	..	..	..	..
5691	3" x $\frac{1}{2}$ " ..	..	..	..	..	Nil
5692	5 $\frac{1}{4}$ " 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 $\frac{11}{16}$ " round hole— $\frac{5}{8}$ " diameter x 9" to 16" in length, as ordered (as specified)	Vict.	18 cwt.	cwt.	1 19 6	Mephan Ferguson 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)	..	..	..	..	..
5695	Bolts, M. Steel, Bed, $\frac{1}{2}$ " or $\frac{5}{8}$ " diameter x 6" to 12" in length, as ordered (as specified)	..	..	..	..	Nil
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	$\frac{1}{4}$ " diameter x 2" in length and under ..	Vict.	2 gross	gross	0 10 0	McPherson's Pty. Ltd.
5698	$\frac{1}{4}$ " diameter x 3" in length and under ..	"	1 cwt.	cwt.	2 15 6	Mephan Ferguson Pty. Ltd.
5699	$\frac{1}{4}$ " diameter x 3" in length and under ..	"	22 "	do.	2 5 6	
5700	$\frac{1}{4}$ " diameter x $3\frac{1}{2}$ " to 6" in length ..	"	2 "	do.	1 19 6	
5701	$\frac{1}{4}$ " diameter x over 6" in length ..	"	3 "	do.	1 14 6	
5702	$\frac{1}{4}$ " diameter x $2\frac{1}{2}$ " in length ..	"	"	"	"	Nil
5703	$\frac{1}{4}$ " diameter x $3\frac{1}{2}$ " to 6" in length ..	Vict.	2 cwt.	cwt.	1 13 6	Mephan Ferguson Pty. Ltd.
Nuts, M. Steel, Black, Hexagon (as specified)—						
5704	$\frac{1}{8}$ " thick .. .. .	"	2 "	do.	"	Nil
5705	$\frac{3}{16}$ " thick .. .. .	Vict.	1 "	do.	9 10 0	McPherson's Pty. Ltd.
5706	$\frac{1}{4}$ " thick .. .. .	"	1 "	do.	7 0 0	
5707	$\frac{1}{2}$ " thick .. .. .	"	1 "	do.	4 0 0	
5708	$\frac{3}{8}$ " thick .. .. .	"	30 "	do.	2 1 6	
5709	$\frac{1}{2}$ " thick .. .. .	"	40 "	do.	2 0 6	G. F. Sewell Pty. Ltd. Workshops Manager, Newport
5710	1" thick .. .. .	"	20 "	do.	1 17 3	G. F. Sewell Pty. Ltd.
5711	$1\frac{1}{8}$ " thick .. .. .	"	5 "	do.	1 19 3	
5712	$1\frac{1}{8}$ " thin .. .. .	"	2 "	do.	2 7 6	Workshops Manager, Newport
5713	$1\frac{1}{8}$ " thick .. .. .	"	5 "	do.	2 9 6	G. F. Sewell Pty. Ltd.
5714	$\frac{7}{8}$ " thin .. .. .	"	2 "	do.	3 0 0	Workshops Manager, Newport
5715 to 5769	Nil					

**BLACK STEEL WASHERS.**

(1.7.1931 to 30.6.1932.)

**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 5845 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.

The rates do not include Sales Tax.

Delivery will be given in railway trucks at—

McPherson's Pty. Ltd., Spencer-street.

C. H. Stevens, Spencer-street.

C. Ebeling and Sons Pty. Ltd., Yarraville.

Washers, Steel, Black, Round Plate, with round hole, as specified—						
	dia.	thick	hole			
5770	1" x $\frac{1}{16}$ " x $\frac{1}{16}$ "	..	..	..	..	Nil
5771	1" x $\frac{1}{8}$ " x $\frac{1}{16}$ "	..	..	Vict.	3 cwt.	cwt.
5772	$1\frac{1}{8}$ " x $\frac{1}{16}$ " x $\frac{1}{16}$ "	..	..	"	5 "	do.
5773	$1\frac{1}{8}$ " x $\frac{1}{8}$ " x $\frac{1}{16}$ "	..	..	"	16 "	do.
5774	$1\frac{1}{4}$ " x $\frac{1}{16}$ " x $\frac{1}{16}$ "	..	..	..	..	..

McPherson's Pty. Ltd.

Nil



Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
				£ s. d.	
<b>BLACK STEEL WASHERS—continued.</b>					
<b>Washers, Steel, Black, Round Plate, with round hole, as specified—continued.</b>					
1½" x 1½" x 7/16" hole .. .. .	Vict.	3 cwt.	cwt.	1 6 6	McPherson's Pty. Ltd.
1½" x 1½" x 7/16" hole .. .. .	"	20 "	do.	1 5 0	Nil
1½" x 1½" x 7/16" hole .. .. .	"	"	"	"	Nil
1½" x 1½" x 7/16" hole .. .. .	"	"	"	"	Nil
1½" x 1½" x 7/16" hole .. .. .	Vict.	1 cwt.	cwt.	1 13 0	McPherson's Pty. Ltd.
1½" x 1½" x 7/16" hole .. .. .	"	"	"	"	Nil
1½" x 1½" x 7/16" hole .. .. .	Vict.	40 cwt.	cwt.	1 5 0	C. H. Stevens
1½" x 1½" x 7/16" hole .. .. .	"	"	"	"	Nil
1½" x 1½" x 7/16" hole .. .. .	"	"	"	"	Nil
1½" x 1½" x 7/16" hole .. .. .	Vict.	36 cwt.	cwt.	1 5 0	McPherson's Pty. Ltd.
1½" x 1½" x 7/16" hole .. .. .	"	"	"	"	Nil
2" x 1½" x 7/16" hole .. .. .	Vict.	1 cwt.	cwt.	1 15 0	McPherson's Pty. Ltd.
2" x 1½" x 7/16" hole .. .. .	"	34 "	do.	1 5 0	Nil
2" x 1½" x 7/16" hole .. .. .	"	"	"	"	Nil
2" x 1½" x 7/16" hole .. .. .	"	"	"	"	Nil
2" x 1½" x 7/16" hole .. .. .	"	"	"	"	Nil
2½" x 1½" x 7/16" hole .. .. .	"	"	"	"	Nil
2½" x 1½" x 7/16" hole .. .. .	Vict.	16 cwt.	cwt.	1 5 0	McPherson's Pty. Ltd.
2½" x 1½" x 7/16" hole .. .. .	"	"	"	"	Nil
2½" x 1½" x 7/16" hole .. .. .	Vict.	10 cwt.	cwt.	1 5 0	C. H. Stevens
2½" x 1½" x 7/16" hole .. .. .	"	"	"	"	Nil
2½" x 1½" x 7/16" hole .. .. .	Vict.	15 cwt.	cwt.	1 5 0	McPherson's Pty. Pty.
2½" x 1½" x 7/16" hole .. .. .	"	"	"	"	Nil
2½" x 1½" x 7/16" hole .. .. .	"	"	"	"	Nil
2½" x 1½" x 7/16" hole .. .. .	"	"	"	"	Nil
2½" x 1½" x 7/16" hole .. .. .	Vict.	3 cwt.	cwt.	1 15 0	McPherson's Pty. Ltd.
2½" x 1½" x 7/16" hole .. .. .	"	"	"	"	Nil
2½" x 1½" x 7/16" hole .. .. .	Vict.	1 cwt.	cwt.	1 15 0	McPherson's Pty. Ltd.
2½" x 1½" x 7/16" hole .. .. .	"	4 "	do.	1 13 0	McPherson's Pty. Ltd.
2½" x 1½" x 7/16" hole .. .. .	"	1 "	do.	1 15 0	Nil
3" x 1½" x 7/16" hole .. .. .	"	3 "	do.	1 13 0	Nil
4" x 1½" x 7/16" hole .. .. .	"	10 "	do.	"	Nil
4" x 1½" x 7/16" hole .. .. .	"	"	"	"	Nil
4" x 1½" x 7/16" hole .. .. .	"	"	"	"	Nil
<b>Washers, Steel, Black, Square Plate, with round hole, as specified—</b>					
2" x 2" x 1½" x 7/16" hole .. .. .	Vict.	1 cwt.	cwt.	0 19 9	C. Ebeling & Sons. Pty. Ltd.
2" x 2" x 1½" x 7/16" hole .. .. .	"	28 "	do.	0 19 9	Nil
2" x 2" x 1½" x 7/16" hole .. .. .	"	"	"	"	Nil
2½" x 2½" x 1½" x 7/16" hole .. .. .	"	"	"	"	Nil
2½" x 2½" x 1½" x 7/16" hole .. .. .	"	"	"	"	Nil
2½" x 2½" x 1½" x 7/16" hole .. .. .	"	"	"	"	Nil
2½" x 2½" x 1½" x 7/16" hole .. .. .	"	"	"	"	Nil
3" x 3" x 1½" x 7/16" hole .. .. .	"	"	"	"	Nil
3" x 3" x 1½" x 7/16" hole .. .. .	"	"	"	"	Nil
3" x 3" x 1½" x 7/16" hole .. .. .	Vict.	16 cwt.	cwt.	0 19 9	C. Ebeling & Sons Pty. Ltd.
3" x 3" x 1½" x 7/16" hole .. .. .	"	32 "	do.	0 19 9	Nil
3" x 3" x 1½" x 7/16" hole .. .. .	"	2 "	do.	0 19 9	Nil
3" x 3" x 1½" x 7/16" hole .. .. .	"	"	"	"	Nil
3" x 3" x 1½" x 7/16" hole .. .. .	Vict.	3 cwt.	cwt.	0 19 9	C. Ebeling & Sons Pty. Ltd.
3" x 3" x 1½" x 7/16" hole .. .. .	"	"	"	"	Nil
3" x 3" x 1½" x 7/16" hole .. .. .	"	"	"	"	Nil
<b>Washers, Steel, Black, Square Plate, with square hole, as specified—</b>					
3½" x 3½" x 1½" x 7/16" hole .. .. .	"	"	"	"	Nil
3½" x 3½" x 1½" x 7/16" hole .. .. .	"	"	"	"	Nil

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
BLACK STEEL WASHERS—continued.						
	Washers, Steel, Black, Round Plate, with square hole, as specified— dia. thick					
5832	1½" x ⅜" x ⅛" hole	..	..	..	..	} Nil
5833	1½" x ⅜" x ⅛" "	..	..	..	..	
5834	2" x ⅜" x ⅛" "	Vict.	1 cwt.	cwt.	1 7 0	
	Washers, Spring Steel, Round, as specified—					
†5835	¼" x ⅛" square section	..	9 gross	gross	..	} Nil
†5835A	¼" x ⅛" "	..	20 "	do.	..	
†5836	¼" x 3/32" "	..	12 "	do.	..	
†5836A	⅛" x ⅛" "	..	90 "	do.	..	
†5837	⅜" x ⅛" "	..	3 "	do.	..	
†5838	⅜" x ⅛" "	..	2 "	do.	..	
†5839	½" x ⅛" "	..	12 "	do.	..	
†5840	½" x ⅜" "	..	3 "	do.	..	
†5841	⅝" x ⅜" "	..	40 "	do.	..	
†5842	⅝" x ⅜" "	..	5 "	do.	..	
†5843	⅝" x ⅜" "	..	5 "	do.	..	
†5844	⅝" x ⅜" "	..	90 "	do.	..	
†5845	⅝" x ⅜" "	..	3 "	do.	..	

## STEEL RIVETS.

(1.7.31 to 30.6.32.)

## 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.

Material ordered on G. F. Sewall Pty. Ltd. will be picked up at Contractor's works by the Departmental Motor Lorry and an account rendered at the rate of 1s. 3d. per ton for cartage against the Contractor.

The rates do not include Sales Tax.

	Rivets, Mild Steel, Cup or Pan Head, as ordered (as specified)—					
5846	⅜" dia. x ⅜" in length	..	..	..	..	} Nil
5847	⅜" dia. x ⅜" or 1" in length, as ordered	Vict.	..	cwt.	1 7 6	
5848	⅜" dia. x ⅜" or 1" in length, as ordered	"	..	do.	1 7 6	
5849	⅜" dia. x 1½", 1½", 1½", 1½", 1½", 1½", 1½" or 2" length, as ordered	"	150 cwt.	do.	1 7 6	} McPherson's Pty. Ltd.
5850	⅜" dia. x 2¼", 2¼" or 3" in length, as ordered	"	..	do.	1 7 6	
5851	½" dia. x ⅝", ⅝" or 1" in length, as ordered	"	2 "	do.	1 10 9	
5852	½" dia. x 1½", 1½" or 2" in length, as ordered	"	..	do.	1 10 9	
5853	½" dia. x 1½", 1½" or 2" in length, as ordered	"	..	do.	1 7 0	
5854	½" dia. x 1½", 1½", 1½", 1½", 1½" or 2" in length, as ordered	"	800 "	do.	1 7 0	} Chief Mechanical Engineer
5855	½" dia. x 2¼", 2¼", 2¼" or 3" in length, as ordered	"	..	do.	1 7 0	
5856	⅝" dia. x 1½", 1½", 1½" or 2" in length, as ordered	"	..	do.	1 3 0	
5857	⅝" dia. x 2¼", 2¼", 2¼" or 3" in length, as ordered	"	180 "	do.	1 3 0	
5858	⅝" dia. x over 3" in length, as ordered	"	..	do.	1 3 0	
5859	⅝" dia. x 1", 1½", 1½", 1½" or 2" in length, as ordered	"	390 "	do.	1 1 3	
5860	⅝" dia. x over 2" in length, as ordered	"	..	do.	0 19 6	
5861	⅝" dia. x 2", 2¼", 2¼", 2¼", 3" or 3½" in length, as ordered	"	240 "	do.	1 0 3	
5862	⅝" dia. x over 3" in length, as ordered	"	..	do.	1 0 3	
5863	⅝" dia. x 1½", 2", 2¼", 2¼", 2¼", 2¼", 3" or 3½" in length, as ordered	"	140 "	do.	0 19 6	
5864	⅝" dia. x over 3" in length, as ordered	"	..	do.	0 19 6	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
<b>STEEL RIVETS—continued.</b>						
5865	Rivets, Mild Steel, Cup or Pan Head, as ordered (as specified)— <i>continued.</i> $\frac{13}{16}$ " dia. x $2\frac{1}{4}$ ", 3", $3\frac{1}{4}$ ", $3\frac{1}{2}$ ", $3\frac{3}{4}$ " or 4" in length, as ordered	Vict.	20 cwt.	cwt.	0 19 6	G. F. Sewell Pty. Ltd.
5866	$\frac{13}{16}$ " dia. x over 4" in length, as ordered ..	"	"	do.	0 19 6	
5867	1" dia. x 4" in length and over as ordered ..	"	2 "	do.	0 19 9	
	Rivets, Mild Steel, Flat, Countersunk Head—					E. Duckett & Sons
5868	$\frac{3}{8}$ " dia. x 2" in length and under ..	"	10 "	do.	1 10 9	
5869	$\frac{5}{8}$ " dia. x 2" in length and under ..	"	25 "	do.	1 1 6	
5870	$\frac{3}{4}$ " dia. x 2" in length and under ..	"	20 "	do.	1 1 6	G. F. Sewell Pty. Ltd.
5871	$\frac{3}{4}$ " dia. x over 2" in length ..	"	20 "	do.	1 0 6	
5872	$\frac{7}{8}$ " dia. x over 2" in length ..	"	10 "	do.	1 0 6	
5873	1" dia. x over 2" in length ..	"	10 "	do.	1 0 6	G. F. Sewell Pty. Ltd.
	Rivets, Mild Steel, Cup, Countersunk Head—					
5874	$\frac{13}{16}$ " dia. x over 2" in length ..	"	15 "	do.	1 2 0	
5875	$\frac{7}{8}$ " dia. x over 2" in length ..	"	60 "	do.	1 2 0	G. F. Sewell Pty. Ltd.
5876	$\frac{13}{16}$ " dia. x over 2" in length ..	"	10 "	do.	1 1 9	
5877 to 5889	Nil					

**SERGE AND CLOTH.**

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

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

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

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

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

**Threads per Inch.**—The number of warp and weft threads per square inch shall not be less than that set out under clause 19 of this specification for the class of material in question.

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

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

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

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

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

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

The test specimens shall be  $6\frac{1}{2}$  inches wide and the threads shall be frayed out from each side so as to reduce the test width to 6 inches. They shall then be placed evenly in the jaws of a suitable testing machine so that the unstretched length of the fabric between the jaws is 7 inches and shall be broken without delay. The load shall be applied at the rate of 150 lb. per inch width per minute. If a specimen breaks in the jaws at a load much lower than that required, a duplicate test shall be made on another test piece, including the same threads.

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

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

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

## SERGE AND CLOTH—continued.

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

Item No.	Description.	5890.	5891.	5892.	5893.	5894.
		Serge.	Serge.	Worsted Fine Twill.	Worsted Fine Twill.	Cloth for Overcoat.
Quality Finish Colour Weave	In accordance with contract sample.					
Width, inches		56	56	56	56	56
Weight per lineal yard, ounces		20	17	20	15½	24
Strength, lb. per inch width, warp		75	66	74	..	37
Strength, lb. per inch width, weft		70	50	57	..	27
Stretch, inches, warp		2	2	2	..	2
Stretch, inches, weft		2	2	2	..	2

As regards Item No. 5893 the cloth accepted by the Corporation will be tested at Newport, and the results obtained in such test will be incorporated in this schedule prior to the execution of the contract.

†5890	Serge, all Wool, Dark Blue, 56" wide exclusive of selvages, weight per lineal yard, 20 oz.	..	25,000	lineal yards	lin. yd.	..	} Nil
†5891	.. all Wool, Dark Blue, 56" wide exclusive of selvages, weight per lineal yard, 17 oz.	..	25,000	..	do.	..	
†5892	Cloth, Fine Twill Worsted, all Wool, Dark Blue, 56" wide exclusive of selvages, weight per lineal yard, 20 oz.	..	7,000	..	do.	..	
†5893	.. Fine Twill Worsted, all Wool, Dark Blue, 56" wide, exclusive of selvages, weight per lineal yard, 15½ oz.	..	7,000	..	do.	..	
†5894	.. for Overcoats, all Wool, Dark Blue, 56" wide exclusive of selvages, weight per lineal yard, 24 oz.	..	3,000	..	do.	..	
5895 to 5919	} Nil.						

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

## CAST STEEL, ETC.

## SPECIFICATION.

CAST STEEL.—Items 5920 to 6018 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.

As regards Items Nos. 5945 to 5948A, two tenders have been accepted for the manufacture of Boiler Stay Taps. The Steel tendered by the Eagle & Globe Steel Co. is of known suitable quality, but trial orders are to be placed on Frank Wells Pty. Ltd. at the lower rate in order that suitability may be determined.

As regards Items Nos. 5989 to 6013, two tenders have been accepted. "Special Echo" at 2s. 6d. per lb. is satisfactory for all purposes. "Novo" brand, offered by Gilbert Lodge & Co. Ltd. at 2s. 2½d. per lb., should be suitable for work on slotting, shaping, and planing machines, and should therefore be ordered for this purpose.

Gilbert Lodge & Co. Ltd. further offer to supply any additional sizes of the description of Steel for which its tender has been accepted that may be in stock at the Contract Rate, and additional items have therefore been included in the Schedule, viz., Items Nos. 5925A, 5934A, 5977A, 5979A, and 6013B, but the Corporation is not bound to order under these items.

## Name of Manufacturer—

Frank Wells Pty. Ltd.—Marsh Bros. &amp; Co. Ltd. "Best Warranted Cast Steel."

Eagle &amp; Globe Steel Co. Ltd.—"Kite" brand, non-shrinking.

Gilbert Lodge &amp; Co. Ltd.—Jonas &amp; Colver (Novo.) Ltd. 5989–6013B. "Novo Superior 18% Tungsten."

Coates &amp; Co. Pty. Ltd.—John Vessey &amp; Co. "Special Echo," 18 per cent. Tungsten.

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

The rates do not include Sales Tax.

Steel, Cast, Blacksmiths' quality, "T.C.S."—						
Octagon—						
5920	1"	..	..	..	U.K.	cwt. *1 10 3
5921	1½"	..	..	..	"	do. *1 10 3
5922	1½"	..	..	..	"	do. *1 10 3
5923	1½"	..	..	..	"	do. *1 10 3
5924	1½"	..	..	..	"	do. *1 10 3
5925	1½"	..	..	..	"	do. *1 10 3
5925A	Any other size	..	..	..	"	do. *1 10 3
Round—						
5926	1"	..	..	..	"	do. *1 10 3
5927	1½"	..	..	..	"	do. *1 10 3
5928	1½"	..	..	..	"	do. *1 10 3
5929	1½"	..	..	..	"	do. *1 10 3
5930	1½"	..	..	..	"	do. *1 10 3
5931	1½"	..	..	..	"	do. *1 10 3
5932	1½"	..	..	..	"	do. *1 10 3
5933	2"	..	..	..	"	do. *1 10 3
5934	2½"	..	..	..	"	do. *1 10 3
5934A	Any other size	..	..	..	"	do. *1 10 3
Steel, Cast, Miners' Drill—						
Octagon—						
5935	1"	..	..	..	..	..
5936	1½"	..	..	..	..	..
Steel, Cast, for Snaps, Chisels, Cold Sets, &c.—						
Round—						
5937	1"	..	..	..	U.K.	cwt. *3 18 0
5938	1½"	..	..	..	"	do. *3 18 0
5939	1½"	..	..	..	"	do. *3 18 0
5940	1½"	..	..	..	"	do. *3 18 0
5941	1½"	..	..	..	"	do. *3 18 0
5942	1½"	..	..	..	"	do. *3 18 0
5943	1½"	..	..	..	"	do. *3 18 0
5944	1"	..	..	..	"	do. *3 18 0

Gilbert Lodge &amp; Co. Ltd.

Nil

Frank Wells Pty. Ltd.

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
<b>CAST STEEL, ETC.—continued.</b>						
	Steel, Cast, for Snaps, Chisels, Cold Sets, &c.—continued.					
	Round—continued.					
5945	1 1/8" .. .. .	U.K.		cwt.	*6 7 8	Eagle & Globe Steel Co. Ltd.
5945A	1 1/8" .. .. .	"		do.	*3 18 0	Frank Wells Pty. Ltd.
5946	1 1/4" .. .. .	"		do.	*6 7 8	Eagle & Globe Steel Co. Ltd.
5946A	1 1/4" .. .. .	"		do.	*3 18 0	Frank Wells Pty. Ltd.
5947	1 3/8" .. .. .	"		do.	*6 7 8	Eagle & Globe Steel Co. Ltd.
5947A	1 3/8" .. .. .	"		do.	*3 18 0	Frank Wells Pty. Ltd.
5948	1 1/2" .. .. .	"		do.	*6 7 8	Eagle & Globe Steel Co. Ltd.
5948A	1 1/2" .. .. .	"		do.	*3 18 0	Frank Wells Pty. Ltd.
5949	1 3/4" .. .. .	"		do.	*3 18 0	
5950	1 7/8" .. .. .	"		do.	*3 18 0	
5951	2" .. .. .	"		do.	*3 18 0	
5952	2 1/8" .. .. .	"		do.	*3 18 0	
5953	2 1/4" .. .. .	"		do.	*3 18 0	
5954	2 3/8" .. .. .	"		do.	*3 18 0	
5955	3" .. .. .	"		do.	*3 18 0	
5956	3 1/4" .. .. .	"		do.	*3 18 0	
5957	3 1/2" .. .. .	"		do.	*3 18 0	
5958	4" .. .. .	"		do.	*3 18 0	
5959	4 1/2" .. .. .	"		do.	*3 18 0	
	Flat—					
5960	1 1/8" x 1/2" .. .. .	"		do.	*3 18 0	
5961	1 1/4" x 1/2" .. .. .	"		do.	*3 18 0	
5962	1 1/2" x 1/2" .. .. .	"		do.	*3 18 0	
5963	1 3/4" x 1/2" .. .. .	"		do.	*3 18 0	
5964	2" x 1/2" .. .. .	"		do.	*3 18 0	
5965	1 1/4" x 3/8" .. .. .	"		do.	*3 18 0	
5966	1 1/2" x 3/8" .. .. .	"		do.	*3 18 0	
	Square—					
5967	1 1/8" .. .. .	"		do.	*3 18 0	
5968	1 1/4" .. .. .	"		do.	*3 18 0	
5969	1 1/2" .. .. .	"		do.	*3 18 0	
5970	1 3/4" .. .. .	"		do.	*3 18 0	
5971	2" .. .. .	"		do.	*3 18 0	
5972	2 1/8" .. .. .	"		do.	*3 18 0	
5973	2 1/4" .. .. .	"		do.	*3 18 0	
5974	2 3/8" .. .. .	"		do.	*3 18 0	
5975	3" .. .. .	"		do.	*3 18 0	
	Oval—					
5976	3/8" x 5/8" "Klah" .. .. .	"		do.	*3 9 6	
5977	1" x 3/4" "Klah" .. .. .	"		do.	*3 9 6	
5977A	Any other size, "Klah" .. .. .	"		do.	*3 9 6	
	Octagon—					
5978	1 1/4" "Klah" .. .. .	"		do.	*3 9 6	
5979	1 1/2" "Klah" .. .. .	"		do.	*3 9 6	
5979A	Any other size, "Klah" .. .. .	"		do.	*3 9 6	
	Steel, Double Shear, Flat, "A.W.5."—					
5980	1 1/2" x 8 gauge .. .. .	"		do.	*2 5 0	
5981	1" x 1/2" .. .. .	"		do.	*2 5 0	
5982	2" x 1/2" .. .. .	"		do.	*2 5 0	
5983	4" x 1" .. .. .	"		do.	*2 5 0	
5984	4" x 1 1/4" .. .. .	"		do.	*2 5 0	
5985	4 1/2" x 1" .. .. .	"		do.	*2 5 0	
5986	5" x 1 1/8" .. .. .	"		do.	*2 5 0	
	Steel, Tool, High Speed—					
5987	3/8" round .. .. .			lb.	..	Nil
5988	1/2" .. .. .			do.	..	
5989	1 1/8" .. .. .	U.K.	1 cwt.	do.	*0 2 2 1/2	Gilbert Lodge & Co. Ltd.
5990	1 1/4" .. .. .			do.	..	Nil

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
CAST STEEL, ETC.—continued.						
	Steel, Tool, High Speed—continued.					
5991	$\frac{1}{2}$ " square, Lathe Tool Holders ..	U.K.	2 cwt.	lb.	*0 2 6	Coates & Co. Pty. Ltd.
5991A	$\frac{1}{2}$ " square, Lathe Tool Holders ..	"		do.	*0 2 2 $\frac{1}{2}$	Gilbert Lodge & Co. Ltd.
5992	$\frac{1}{2}$ " square, Lathe Tool Holders ..	"		do.	*0 2 6	Coates & Co. Pty. Ltd.
5992A	$\frac{1}{2}$ " square, Lathe Tool Holders ..	"		do.	*0 2 2 $\frac{1}{2}$	Gilbert Lodge & Co. Ltd.
5993	$\frac{1}{2}$ " square, Lathe Tool Holders ..	"		do.	*0 2 6	Coates & Co. Pty. Ltd.
5993A	$\frac{1}{2}$ " square, Lathe Tool Holders ..	"		do.	*0 2 2 $\frac{1}{2}$	Gilbert Lodge & Co. Ltd.
5994	$\frac{1}{2}$ " square, Lathe Tool Holders ..	"		do.	*0 2 6	Coates & Co. Pty. Ltd.
5994A	$\frac{1}{2}$ " square, Lathe Tool Holders ..	"		do.	*0 2 2 $\frac{1}{2}$	Gilbert Lodge & Co. Ltd.
5995	$\frac{1}{2}$ " square, Slotting Machines ..	"		do.	*0 2 6	Coates & Co. Pty. Ltd.
5995A	$\frac{1}{2}$ " square, Slotting Machines ..	"		do.	*0 2 2 $\frac{1}{2}$	Gilbert Lodge & Co. Ltd.
5996	1" square, Milling Machines ..	"	1 "	do.	*0 2 6	Coates & Co. Pty. Ltd.
5996A	1" square, Milling Machines ..	"		do.	*0 2 2 $\frac{1}{2}$	Gilbert Lodge & Co. Ltd.
5997	$\frac{1}{2}$ " square, Lathe Tools ..	"		do.	*0 2 6	Coates & Co. Pty. Ltd.
5997A	$\frac{1}{2}$ " square, Lathe Tools ..	"		do.	*0 2 2 $\frac{1}{2}$	Gilbert Lodge & Co. Ltd.
5998	$\frac{1}{2}$ " square, Slotting Machines ..	"		do.	*0 2 6	Coates & Co. Pty. Ltd.
5998A	$\frac{1}{2}$ " square, Slotting Machines ..	"		do.	*0 2 2 $\frac{1}{2}$	Gilbert Lodge & Co. Ltd.
5999	$\frac{7}{8}$ " x $\frac{3}{8}$ " Cutters for Screw Couplings ..	"		..	..	Nil
6000	1" x $\frac{1}{2}$ " Turret Lathes in general ..	U.K.	1 cwt.	lb.	*0 2 6	Coates & Co. Pty. Ltd.
6000A	1" x $\frac{1}{2}$ " Turret Lathes in general ..	"		do.	*0 2 2 $\frac{1}{2}$	Gilbert Lodge & Co. Ltd.
6001	1" x $\frac{1}{2}$ " Turret Lathe Tools ..	"		do.	*0 2 6	Coates & Co. Pty. Ltd.
6001A	1" x $\frac{1}{2}$ " Turret Lathe Tools ..	"		do.	*0 2 2 $\frac{1}{2}$	Gilbert Lodge & Co. Ltd.
6002	1" x $\frac{1}{2}$ " Turret Lathes in general ..	"		..	..	Nil
6003	$\frac{1}{2}$ " x $\frac{3}{8}$ " Turret Lathes in general ..	U.K.		lb.	*0 2 6	Coates & Co. Pty. Ltd.
6003A	$\frac{1}{2}$ " x $\frac{3}{8}$ " Turret Lathes in general ..	"		do.	*0 2 2 $\frac{1}{2}$	Gilbert Lodge & Co. Ltd.
6004	$\frac{1}{2}$ " x 1" Turret Lathes in general ..	"		do.	*0 2 6	Coates & Co. Pty. Ltd.
6004A	$\frac{1}{2}$ " x 1" Turret Lathes in general ..	"		do.	*0 2 2 $\frac{1}{2}$	Gilbert Lodge & Co. Ltd.
6005	$\frac{1}{2}$ " x $\frac{1}{8}$ " Lathe Tools ..	"		do.	*0 2 6	Coates & Co. Pty. Ltd.
6005A	$\frac{1}{2}$ " x $\frac{1}{8}$ " Lathe Tools ..	"		do.	*0 2 2 $\frac{1}{2}$	Gilbert Lodge & Co. Ltd.
6006	2" x $\frac{5}{8}$ " Forming Tools ..	"	1 cwt.	do.	..	Nil
6007	2" x $\frac{5}{8}$ " Milling Cutter Blades ..	"		do.	..	
6008	2" x 1" Herbert Turret Lathes ..	"		do.	..	Coates & Co. Pty. Ltd.
6009	2" x $\frac{1}{2}$ " Roughing Tools, Wheel Lathes ..	U.K.		do.	*0 2 6	
6009A	2" x $\frac{1}{2}$ " Roughing Tools, Wheel Lathes ..	"		do.	*0 2 2 $\frac{1}{2}$	Gilbert Lodge & Co. Ltd.
6010	2 $\frac{1}{2}$ " x $\frac{1}{2}$ " Forming Tools, Sellars Lathes ..	"		do.	*0 2 6	Coates & Co. Pty. Ltd.
6010A	2 $\frac{1}{2}$ " x $\frac{1}{2}$ " Forming Tools, Sellars Lathes ..	"		do.	*0 2 2 $\frac{1}{2}$	Gilbert Lodge & Co. Ltd.
6011	3" x $\frac{1}{2}$ " Forming Tools ..	"		do.	..	Nil
6012	3" x $\frac{1}{2}$ " Roughing Tools, North Melbourne ..	U.K.		do.	*0 2 6	Coates & Co. Pty. Ltd.
6012A	3" x $\frac{1}{2}$ " Roughing Tools, North Melbourne ..	"		do.	*0 2 2 $\frac{1}{2}$	Gilbert Lodge & Co. Ltd.
6013	3 $\frac{1}{2}$ " x $\frac{1}{2}$ " Roughing Tools ..	"	2 "	do.	*0 2 6	Coates & Co. Pty. Ltd.
6013A	3 $\frac{1}{2}$ " x $\frac{1}{2}$ " Roughing Tools ..	"		do.	*0 2 2 $\frac{1}{2}$	Gilbert Lodge & Co. Ltd.
6013B	Any other size ..	"		do.	*0 2 2 $\frac{1}{2}$	Ltd.
	Steel, Feather Edge, Drill—					
6014	$\frac{1}{2}$ " x $\frac{3}{8}$ " ..	"	Nil	cwt.	..	Nil
6015	$\frac{1}{2}$ " x $\frac{3}{8}$ " ..	"		do.	..	
6016	$\frac{1}{2}$ " x $\frac{3}{8}$ " ..	"		do.	..	
6017	$\frac{1}{2}$ " x $\frac{3}{8}$ " ..	"		do.	..	
6018	Steel, Hexagon, Hollow Drill, $\frac{1}{2}$ " ..	"	20 cwt.	lb.	..	
6019	Nil	"				

## LOCKS, KEYS, ETC.

As regards Item No. 6036, 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. 6043, 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.

†6020	Keys, for Rim Locks of any make ..	..	8 doz.	dozen	..	Nil
†6021	" for Mortise Locks of any make ..	..	..	..	..	
	Keys, Blank—					
*6022	Paracentric, Cylinder, for Night Latches ..	..	160 doz.	dozen	..	
*6023	Paracentric, Cylinder, for Padlocks ..	..		do.	..	
*6024	Paracentric, Cylinder, for Drawer or Cup-board Locks ..	..		do.	..	
*6025	Corrugated, for Night Latches ..	..		do.	..	
*6026	Flat, for Padlocks ..	..		do.	..	

Item No.	Description.	Country of Manufacture.	Estimated Requirements.	Rate per—	Rate.	Name of Contractor.
					£ s. d.	
<i>LOCKS, KEYS, ETC.—continued.</i>						
*6027	Keys, Blanks, for Drawer Locks .. ..	..	60 doz.	dozen	..	} Nil
*6028	" " Mortise Locks, any pattern ordered	..	3 "	do.	..	
*6029	" " Safe Locks .. ..	..	24 "	do.	..	
†6030	Latches, Suffolk .. ..	..	..	..	..	
†6031	" Night, Cylinder Action, triplicate keys	..	60	each	..	
†6032	" Surface Gate .. ..	..	72	do.	..	
†6033	" Bales No. 4, .. ..	..	..	..	..	
6034	Lock Sets, Mortise, with oxidized iron furniture	..	..	..	..	
†6035	Locks, Cut Cupboard, Brass, R. or L. hand, as ordered, with duplicate keys (keys to differ or pass, as ordered), 2 lever, 3"	..	..	..	..	
†6036	" Pad, Brass, 1½" cylinder action, with duplicate keys, to differ or pass, as ordered	..	600	each	..	
†6037	" Rim, Iron, with furniture complete, 3 bolts, 6", R.H. or L.H., as ordered	..	200	do.	..	
†6038	" Rim, Iron, without furniture, complete, 3 bolts, 6" R.H. or L.H., as ordered	..	6	do.	..	
†6039	" Straight, Cupboard, Brass, with duplicate keys (keys to differ or pass, as ordered), 2-lever, 3"	..	..	..	..	
	" Till, Brass, "Hobb's" pattern, with duplicate keys (keys to differ or pass, as ordered), 4 lever	..	..	..	..	
†6040	2½" .. ..	..	36	each	..	
†6041	3" .. ..	..	24	do.	..	
*6042	" Mortise, Iron, Spring, 1½", single or double action, as ordered	..	30	do.	..	
*6043	" Switch, fitted with brass shackle and steel chain, one key each, keys to pass, with V.R. cast on front of lock	..	..	..	..	
	Staples, Box, for Rim Locks—					
†6044	5" .. ..	..	} 8 doz.	dozen	..	
†6045	6" .. ..	..		do.	..	
†6046	7" .. ..	..		do.	..	

**OVERALLS.**

(1.7.1931 to 30.6.1932.)

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. 6047) a two-piece suit comprising coat and trousers, and shall be to sizes as may be ordered; (Item No. 6048) 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.

*6047	Overalls, two-piece (as worn by Running Shed Mechanics), any sizes ordered, and as specified	..	150 suits	suit	..	} Nil
*6048	" Combination (as worn by Motor Omnibus Drivers and Rail Motor Drivers), any sizes ordered, and as specified	..	60 "	do.	..	



## APPENDIX "A."

## SHIP CHANDLERY, TAR, ETC.

Fifteen per cent. will be deducted from the gross weight of the Rosin supplied under Item 2813 as an allowance for packages.

## 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 60 and 70.

*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.
- (b) Method of production and refinement.
- (c) It shall be homogeneous and entirely free from water.
- (d) Specific gravity at 60° F. (not less than 1.00).
- (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.
  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.
  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.
- (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.
- (g) Ductility at 32° F. (0° C.) on section 1 cm. square at 5 cm. per minute shall be not less than 1.5 cms.
- (h) Softening point as determined by the Ball and Ring method shall be not less than 115° F. (46.1° C.).
- (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.
- (j) Flash and fire points (Cleveland Open Cup method) (flash point not less than 232° C. (450° F.)).
- (k) Solubility of the material in carbon tetrachloride (not less than 99 per cent.).
- (l) Solubility of the material in 88° Baume Petroleum Ether shall not be greater than 90 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 7.

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.

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

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

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

Tenderer to state where provided for in this Schedule where delivery will be given.

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

*Specification for Items 2815 to 2818.*—The tar shall be produced by the distillation of crude tar which has been derived exclusively from the destructive distillation of bituminous coal in the process of gas manufacture. The specific gravity at a temperature of 15.5° C. (60° F.) shall not be less than 1.10 nor more than 1.15. The tar shall contain not more than 15 per cent. free carbon. The tar shall be free from water and light hydro-carbons, and shall yield not more than one (1) per cent. distillation below 170° C., and on further distillation to a temperature of 270° C., and shall yield not more than 65 per cent. by volume of the tar tested. Samples taken at the discretion of the Comptroller of Stores from any delivery shall be submitted to the Laboratory for test, and the result of these tests must correspond with the above specification.

## APPENDIX "B."

## COLOURS, PIGMENTS, AND DYES.

## 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.—Item No. 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. .. .. .	..	..
Organic colouring matter shall be absent.		

To be filled in after tender is accepted.

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

The paste shall consist of:—

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

## IV.—SAMPLING AND TESTING.

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

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

OCHRE.—SPECIFICATION B.9.—*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 Vehicle s.

## 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. 2841.*

## 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	..	15.0
and insoluble Prussian Blue (colour), } Deep ..	..	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."

CALCIUM CARBONATE.—SPECIFICATION C.1.—*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 2873.*

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.

