



PIECE-WORK PRICES.

(7) That the lowest piece-work prices payable to any person engaged in the following kinds of work shall be:—  
 (a) MAKING TIN DRY ORDINARY METERS, "MET" AND "P. AND C." PATTERN, ALSO STANDARD AND HIGH CAPACITY METERS, "P. AND C." PATTERN.

	Lights.					
	2.	3.	5.	10.	20.	30.
	per doz. £ s. d.	per doz. £ s. d.	per doz. £ s. d.	per doz. £ s. d.	per doz. £ s. d.	per doz. £ s. d.
<i>Ordinary Meters.</i>						
Making "Met" pattern meters, i.e., doing any work necessary to complete the meter, including the putting together of all parts; preparing gratings and covers (after leaving the mould); putting on pins and wires, forming long and diaphragm chambers, throat pieces, bridges, and back plates; folding edge; breaking edges of side pipes; making valve plates; oiling, sounding, and fixing up all leaks in diaphragms; setting and grinding valves; and tinning all parts .. .. .	..	6 11 6	7 8 0	8 16 7	..	..
Circular crimped-on diaphragms .. .. .	..	0 6 2½	0 6 2½	0 10 3½	..	..
Putting circular crimped-on ten-light diaphragms into five-light meters .. .. .	..	..	0 10 3½	..	..	..
Making "P. and C." pattern meters, i.e., doing any work necessary to complete the meter, including the putting together of all parts, and the making of valve plates; oiling, sounding, and fixing up leaks in diaphragms; setting and grinding valves; preparing gratings and covers (after leaving moulds); putting on pins and wires, and tinning all parts; but not including forming long and diaphragm chambers, throat pieces, bridges, and back plates; punching cock plates; folding edge of same; and breaking edges of side pipes .. .. .	5 11 7	5 15 5	6 9 8	7 17 3	11 7 11	..
<i>Standard Meters.</i>						
Making "P. and C." pattern standard meters, i.e., doing any work necessary to complete the meter, including the putting together of all parts, the making of valve plates, sounding and fixing up leaks in diaphragms, soldering in rims, banding on diaphragms, setting and grinding valves, preparing gratings and covers, putting on pins and wires, and tinning all parts, but not including forming long and diaphragm chambers, throat pieces, bridges, and back plates; punching cock plates, folding edge of same, breaking edges of side pipes, fastening tapes to rims, making up bands for diaphragms, making up rims, crimping diaphragms, fastening discs to diaphragms, and oiling diaphragms .. .. .	Size No. 2, £6 1s. 7d.; Size No. 3, £6 13s. 9d. per doz.					
<i>High Capacity Meters.</i>						
Making "P. and C." high capacity meters, i.e., doing any work necessary to complete the meter, including the putting together of all parts, the making of valve plates, soldering in rims, banding on diaphragms, sounding and fixing up leaks in diaphragms, setting and grinding valves, preparing gratings and covers, putting on pins and wires, and tinning all parts, but not including forming long and diaphragm chambers, throat pieces, bridges, back plates, punching cock plates, folding edge of same, breaking edges of side pipes, making up rims or bands for diaphragms, fastening tapes to rims, crimping or fastening discs to diaphragms, and oiling diaphragms; also, bending top arms .. .. .	Capacity, 100 cubic feet per hour; £6 3s. 7d. per doz. Capacity, 125 cubic feet per hour; £7 1s. 2d. per doz.					

With 1/48 added.

(b) MAKING T.G. PATTERN METERS.

	Lights.					
	2.	3.	5.	10.	20.	..
	per job. of 20. £ s. d.	per job. of 20. £ s. d.	per job. of 20. £ s. d.	per job. of 20. £ s. d.	per job. of 10. £ s. d.	..
Making "T.G." pattern meters, as follows:—						
(a) Making the case, i.e., soldering sides to bottom; soldering in partition; soldering in valve plate; soldering boss and stud into pipe; soldering on pipes; putting throat pieces in; putting on bottom studs; soldering side stuffing boxes on; putting on guides; soldering on diaphragms and discs; soldering metal tee to tin tee; sweating tin tee to rod wire and putting them in; sounding leathers; putting in motions; stuffing side boxes; oiling motions and tees; soldering on galleries and backs and fronts; putting on maker's badge .. .. .						
(b) Putting arms on crank; soldering in bridge; soldering centre stuffing box into cock plate; soldering cock plate to bridge; stuff-centre box; fitting up worm, back stop, and tangent; putting in index, spindle, and step; soldering on door and top arms; cleaning out and buffing gratings and covers; putting on valve nuts and soldering in back plates; topping meter, and putting on inlet badge and seal ring .. .. .						
Extras:—	1 8 11	1 8 11	1 12 0	2 2 11	1 12 3	..
Soldering on short pipe inside meter .. .. .	..	0 4 2½	0 4 2½	..	..	..
Greasing rims and banding in circular seamless leathers .. .. .	..	0 12 8	0 12 8	0 13 10½	..	..
Grinding valves .. .. .	..	0 5 6½	0 9 3½	0 10 3½	..	..
Setting valves .. .. .	..	0 6 4	0 6 4	0 6 8½	..	..

With 1/48 added.

PIECE-WORK PRICES—continued.

(c) MAKING TIN DRY PREPAYMENT METERS.

	Lights.	
	3	5
	per doz. £ s. d.	per doz. £ s. d.
Making "P and C" pattern, i.e., doing any work necessary to complete the meter, including the putting together of all parts, and the making of valve plates; oiling, sounding, and fixing up leaks in diaphragms; setting and grinding valves; preparing gratings and covers after leaving moulds; putting on pins and wires; tinning all parts; soldering prepayment valve seat on bridge; soldering in prepayment valve; soldering top on prepayment valve box; soldering prepayment valve box to meter; soldering stuffing box to prepayment valve box and stuffing same; soldering on lever; soldering on circular box, prepayment movement, and index; soldering on side cash box; soldering hasp to catch piece; soldering catch piece to meter; edging front of money box and attaching same to box; soldering on ring and tab to front of money box; soldering seal cup; soldering in bottom of money box; trying coins in circular box; soldering on direction badge; but not including the following, viz.:— Forming long and diaphragm chambers, throat pieces, bridges, and back plates; punching cock plate and folding edge of same; and breaking edges of side pipes .. .. .	7 5 7	8 7 10
Making Cowan handle to front pattern, i.e., doing any work necessary to complete the meter, including the putting together of all parts and the making of valve plates; oiling, inserting, sounding, and fixing up leaks in diaphragms; setting and grinding valves; preparing gratings and covers, after leaving moulds; tinning all parts; making up prepayment box and soldering to side; soldering on lever, circular box, prepayment movement, and movement support; soldering locking-bar slide to carriage box; soldering on side cash-box; soldering hasp to catch-piece; soldering catch-piece to meter; making up tee pieces; trying coin in circular box; cutting backs and fronts. But not including— Forming long and diaphragm chambers, throat pieces, bridges, and back plates; punching hole in cock plate, and folding edge of same, and breaking edges of side pipes .. .. .	8 10 2	9 4 5
Making Cowan "Tri-form" pattern meters, i.e., doing any work necessary to complete the meter, including the putting together of all parts and the making of valve plates; inserting, banding, and sounding diaphragms, and fixing up rim leaks in diaphragms; setting and grinding valves; preparing gratings and covers, after leaving the moulds; tinning all parts; assembling prepayment box and soldering to meter; soldering on lever; soldering on clips for circular box, prepayment movement, brackets, and index; soldering on side cash-box and soldering catch-piece to meter; making up tee pieces; trying coin in circular box; cutting backs, fronts, and tops. But not including—Fastening tapes to deep-rim diaphragms; rims; making up bands for diaphragms; oiling diaphragms or fastening discs to same; forming long and diaphragm chambers, throat pieces, bridges, and back plates; punching cock plate and folding edge of same, and breaking edges of side pipes .. .. .	8 15 2	9 7 5
Making "P. and C." pattern high capacity prepayment meters, i.e., doing any work necessary to complete the meter, including the putting together of all parts, the making of valve plates, soldering in rims, banding on diaphragms, sounding and fixing up leaks in diaphragms, setting and grinding valves, preparing gratings and covers, putting on pins and wires, tinning all parts, soldering prepayment valve seat on bridge, soldering in prepayment valve, soldering top on prepayment valve box, soldering prepayment valve box to meter, soldering stuffing box to prepayment valve box and stuffing same, soldering on lever, soldering on circular box, soldering on prepayment movement and index, soldering on side cash box, soldering hasp to catch piece, soldering catch piece to meter, edging front of money box and attaching same to box, soldering on ring and tab to front of money box, trying coins in circular box, soldering on indicator, soldering bottom to cash box, but not including forming long and diaphragm chambers, throat pieces, bridges, back plates, punching cock plates, folding edge of same, breaking edges of side pipes, making up rims or bands for diaphragms, fastening tapes to rims, crimping or fastening discs to diaphragms, and oiling diaphragms .. .. .		
	Capacity, 100 cubic feet per hour; £7 11s. 10d. per doz.	

With 1/48 added.

	Mark 1, i.e., Meter with Shut-off Valve under Back Plate.	Mark 2, i.e., Meter with Shut-off Valve in Square Box at the Inlet End of Valve Plate.	Mark 3, i.e., Meter with Shut-off Valve on Tin Platform, and enclosed in Angle Box at the Inlet End of Valve Plate.	Mark 4, i.e., Making up 5-light Slot Meters with Second Hand Slot Movements.
	per doz. meters. £ s. d.	per doz. meters. £ s. d.	per doz. meters. £ s. d.	per doz. meters. £ s. d.
Making "Met" pattern, as follows:— (a) Preparing gratings after leaving the mould; putting on pins and wires; forming long and diaphragm chambers, throat pieces, bridges, and back plates; punching cock plates and folding edge; and breaking edge of side pipes .. .. .	7 8 1	7 10 7	7 16 2	7 12 5
Circular crimped-on diaphragms .. .. .	0 6 3	0 6 3	0 6 3	0 6 3
(b) Putting in prepayment fittings, index, and spindle; and putting on index door, outside box, and wires .. .. .	1 0 0	1 0 0	..	..
(c) Putting in prepayment fittings, index, and spindle; putting on index door, outside box, and wires; tinning outside box and handle attachment; and filing slot in bearing .. .. .	..	..	1 0 10	..

With 1/48 added.

PIECE-WORK PRICES—continued.

(d) MAKING RIMS AND DISCS.

	Lights.							
	2.	3.	5.	10.	20.	30.	50.	60.
	per job of 400 rims and 200 discs.	per job of 620 rims.	per job of 580 rims.	per job of 460 rims.	per job of 240 rims.	per job of 240 rims.	per doz. discs.	per doz. discs.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Making rims and discs ..	4 6 10	4 6 10	4 6 10	4 6 10	4 6 10	4 6 10	..	..
Making rims ..	..	..	..	..	per doz. discs.	per doz. discs.	..	..
					£ s. d.	£ s. d.		
Making discs ..	..	..	..	..	0 3 7½	0 5 4½	0 12 9	0 15 3½
Making rims for circular crimped-on diaphragms ..	..	..	per job of 400 rims.	per job of 400 rims.	..	..	..	..
			3 17 3	4 0 2				

} With 1/48 added.

(e) TESTING METERS.

	2, 3, 5, or 10 Lights.
Testing, including sounding, soldering tangents, and pinning arms:—	per doz. meters. s. d.
Repaired meters .. .. .	5 9
Other meters .. .. .	5 9
Testing meters for measurement only .. .. .	2 1½

} With 1/48 added.

(f) WIRING OR TYING DIAPHRAGMS.

	2, 3, or 5 Lights.	10 Lights.
Wiring or tying diaphragms .. .. .	per pair. s. d. 0 8	per pair. s. d. 0 10½

} With 1/48 added.

(g) MAKING METER CASH BOXES AND HANDLES.

Making prepayment meter cash boxes from cut-out material .. .. .	6s. 11½d. per hundred.
Making prepayment meter handles .. .. .	12s. 6½d. per dozen.
Making prepayment meter handles, side slot, 1921 pattern .. .. .	9s. 7½d. per dozen.

} With 1/48 added.

(A) RENEWALS.

	Lights.								
	3.	5.	10.	20.	30.	50.	60.	80.	100.
Ordinary Meters.	per doz.	per doz.	per doz.	per doz.	per doz.	per job of 6.	per job of 6.	per job of 3.	per job of 3.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Renewing in the following manner ordinary condemned meters from which the top back plate, and back and front have been removed, viz.:—									
Dissecting and cleaning all parts fit to be re-used and making a new meter therewith by:—									
Forming diaphragms and long chambers, throat pieces, bridges, back plates; punching cook plate and folding edges; breaking edges of side pipes, any other necessary work ..	8 10 3	8 18 10	15 12 1	18 1	5 23 2	1 17 16 11	10 2 0	12 18 10	12 18 10

} With 1/48 added.

PIECE-WORK PRICES—continued.

(h) RENEWALS—continued.

Renewing and converting ordinary condemned meters which have been opened, viz.:-

Dissecting, cleaning and using all suitable parts. Fitting diaphragms and long chambers, forming throat pieces, bridges and back plates, punching cock plates and folding edges, breaking edge of side pipes, preparing gratings and covers and putting on pins and wires, making up valve plate, inserting circular crimped on diaphragm and rims, tinning all parts and other necessary work including topping and putting on badges

H.C.1. Capacity 100 feet per hour £9 14s. 5d. per doz.  
H.C. 2a. " 150 " " " £10 6s. 10d. " "

Renewing and converting ordinary condemned meters which have been opened, viz.:-

Dissecting, cleaning, and using all suitable parts. Fitting diaphragm and long chambers, forming throat pieces, bridges and back plates, punching cock plates and folding edges, breaking edges of side pipes, preparing gratings and covers, making up valve plate, inserting circular crimped on diaphragm and rims, tinning all parts and other necessary work, including topping and putting on badges, inserting shut-off valve box and fitting slot attachment, index box, outside box and drawer, and all other fittings necessary to make a slot meter

H.C.1. Slot, Capacity 100 feet per hour, £10 18s. 5d. per doz.

With 1/48 added.

NOTE:-

- (a) For 3 and 5-light meters all tin work to be supplied by the employer.
- (b) For 10, 20, and 30-light meters all tin work to be made by the worker excepting back, front, top, rims, and discs.
- (c) For 50 and higher light meters all tin work to be made by the worker except rims and discs.

PIECE-WORK PRICES—continued.

(i) REPAIRING METERS.

	Lights.					
	2.	3.	5.	10.	20.	30.
	each meter.	each meter.	each meter.	each meter.	each meter.	each meter.
	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
Repairing "Met" pattern meters, i.e., doing such of the following work as may be necessary to restore the meter to good repair, viz.:—Removing back and front; removing cock plate and back plate; cleaning meter; re-grinding valves; re-stuffing centre and side stuffing boxes; re-setting valves and top arms; inserting new diaphragms; removing index; putting in new valve arms, index glass, or new tin work .. .. .	8 4	8 7½	8 4	10 1	14 0½	16 5½
Repairing tin dry ordinary meters in the following manner:—						
(a) Cleaning meter; inserting diaphragms; setting or re-grinding valves; re-stuffing boxes; removing and replacing cock plates and index .. .. .	6 6½	7 4½	8 0½	8 10½	12 0½	..
(b) Cleaning meter; cutting discs; oiling diaphragms; setting or re-grinding valves; re-stuffing boxes; removing cock plate and index; taking off and putting in back and front .. .. .	5 5½	5 5½	5 5½	5 7½	8 4	..
Repairing tin dry prepayment meters, extra on above (a) and (b) .. .. .	1 10½	1 10½	1 10½	1 10½	..	..
NOTE:—11½d. to be paid extra for all T. Glover slot repairs with the exception of Parkinson pattern meters—all Cowan H. to F. slots to be subject to this increase.						
Repairing prepayment slot meters, i.e., doing such of the following work as may be necessary to restore the meter to good repair, viz.:—Cleaning meter; re-grinding valves; re-stuffing boxes; re-setting top arms and valves; removing top and back plates; taking off and replacing back and front, and inserting new diaphragms, new valve arms, and index glass; putting in a new cover to shut off valve; putting on staple and spring, and soldering wire along cash box (but not including repairs to handles) .. .. .	..	per job of ten meters. £ s. d. 4 16 5	per job of ten meters. £ s. d. 4 16 5	..	..	..
Altering and re-adjusting handle attachment "Met" pattern prepayment slot meters .. .. .	..	0 17 8½	0 17 8½	..	..	..
Repairing and re-rotting 3-light slot meters to 3-light ordinary meters .. .. .	..	4 16 5	..	..	..	..
Inserting new leather on shut off valve in Parkinson pattern prepayment meter .. .. .	..	each meter. s. d. 1 0½	each meter. s. d. 1 0½	..	..	..
		per job of 10 meters. £ s. d.				
Repairing 3-light meters fitted with 5-light circular crimped-on diaphragms—Extra for inserting new circular diaphragms .. .. .			0 5 4			
Repairing 5-light meters fitted with 10-light circular crimped-on diaphragms—Extra for inserting new circular diaphragms .. .. .			0 8 5½			
Repairing and re-rotting "Met" pattern 3-light slot meters to 5-light ordinary meters, but not including the removal of any prepayment attachments or fittings .. .. .			6 2 4			
Repairing and converting "T.G." pattern, 3-light slot meter to 5 light, and inserting new 3/5-light circular diaphragm, with the exception of any new tin work .. .. .			7 12 7			
Repairing and converting "P. and C." pattern 3-light slot meter to 5-light ordinary meter, but not including removal of any prepayment attachments or fittings, with the exception of any new tin work .. .. .			7 1 8			

With 1/48 added.

With 1/48 added.

NOTE.—The work of inserting circular pattern diaphragms when repairing P. and C. meters to be paid for at wages rates.

PIECE-WORK PRICES—continued.

(j) EXTRAS.

	2 Lights.	3 Lights.	5 Lights.	10 Lights.	20 Lights.
	s. d.	s. d.	s. d.	s. d.	s. d.
Putting on :—	for ten meters.	for ten meters.	for ten meters.	for ten meters.	for ten meters.
Frame and door (including glass)	5 5½	5 5½	5 5½	5 5½	5 5½
Bottom and studs .. ..	10 11	10 11	10 11	10 11	13 7½
Bridge .. ..	8 1½	8 1½	8 1½	8 1½	10 11
Rod arms .. ..	2 9½	2 9½	2 9½	2 9½	5 5½
Valve arms .. ..	2 1½	2 1½	2 1½	2 1½	2 1½
Valve box covers .. ..	4 0½	4 0½	4 0½	4 0½	..
Divisions .. ..	18 3½	18 3½	18 3½	18 3½	..
Half-valve plate .. ..	19 1	20 5½	21 8½	23 1½	24 5
New door .. ..	1 4½	1 4½	1 4½	1 4½	1 4½
	for ten pairs.	for ten pairs.	for ten pairs.	for ten pairs.	for ten pairs.
Motion wires .. ..	5 5½	5 5½	5 5½	5 5½	10 11
Throat pieces .. ..	8 0½	8 0½	8 0½	8 0½	..
Side chambers .. ..	8 0½	8 0½	8 0½	8 0½	..
New sides .. ..	36 7	36 7	36 7	36 7	..
Tees .. ..	8 1½	8 1½	8 1½	8 1½	10 11
Pipes—Inside inlet .. ..	16 3½	16 3½	16 3½	16 3½	16 3½
Other Pipes .. ..	8 1½	8 1½	8 1½	8 1½	16 3½
Galleries .. ..	10 11	10 11	10 11	10 11	13 7½
	for ten sets.	for ten sets.	for ten sets.	for ten sets.	for ten sets.
Guides .. ..	2 9	2 9	2 9	2 9	2 9
Feet (Motion) .. ..	2 9	2 9	2 9	2 9	8 1½
Rod stuffing boxes .. ..	3 7	3 7	3 7	..	..
	for ten meters.	for ten meters.	for ten meters.	for ten meters.	for ten meters.
Setting index to zero, taking back plate off, re-stuffing and cleaning valves, but not including re-grinding .. ..	16 3½	19 1	19 1	20 5½	24 5½
Prepayment Meter—Clean valves and set to zero when (to the satisfaction of the foreman) attention has to be given to the prepayment mechanism—One hour extra at time rate	..	..	..	..	..
Taking off and putting on back and front only .. ..	10 11	12 4½	12 4½	13 7½	19 1
Turn over backs and fronts .. ..	3 7	3 7	3 7	3 7	3 7
Opening meter and condemning .. ..	10 11	12 4½	12 4½	12 4½	16 3½
Piecing cases .. ..	4 0	4 0	4 0	4 0	4 0
Putting in deep-rim diaphragm .. ..	..	per doz. meters 6 3½	per doz. meters 4 2½	..	..

With 1/48 added.

NOTE.—“ Leaks round grating ” and “ All crutch leaks ” shall be paid for at wages rates.

(k) GUILLOTINE OR HAND-PRESS WORK.

Cutting with guillotine, rolling, and forming with press :—					
Backs .. ..	..	..	..	..	2s. 0½d. per hundred
Fronts .. ..	..	..	..	..	2s. 0½d. ”
Tops .. ..	..	..	..	..	1s. 7½d. ”
Cutting with guillotine and press, and forming :—					
Sides .. ..	..	..	..	..	1s. 8½d. ”
Bottoms .. ..	..	..	..	..	2s. 2d. ”
Valve plates .. ..	..	..	..	..	2s. 2d. ”
Partitions .. ..	..	..	..	..	2s. 2d. ”
Galleries .. ..	..	..	..	..	1s. 5d. ”
Cutting with guillotine, and pressing (double handed) except by power press—					
Top or bottom rims, 3 and 5 lights .. ..	..	..	..	..	1s. 5½d. ”
Cutting with press, and forming :—					
Money boxes .. ..	..	..	..	..	1s. 6½d. ”
Cutting with guillotine and press :—					
Discs, 10 lights .. ..	..	..	..	..	1s. 0½d. ”

With 1/48 added.

NOTE.—All materials for piece-work, except that set out in sub-clauses (e) and (f) of the piece-work schedule, shall be supplied to the employee in good order and condition.

D. GRANT, Chairman.

A. G. ALLEN, Acting Secretary.

Melbourne, 6th April, 1932.

The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry should be supported by a valid receipt or invoice. This ensures transparency and allows for easy verification of the data.

In the second section, the author details the various methods used to collect and analyze the data. This includes both manual and automated processes. The goal is to ensure that the data is as accurate and reliable as possible.

The third section describes the results of the analysis. It shows that there is a clear trend in the data, which is consistent with the expectations set at the beginning of the project. This suggests that the methods used were effective.

Finally, the document concludes with a summary of the findings and a list of recommendations for future work. It suggests that further research should be conducted to explore the underlying causes of the observed trends.

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