



BOARD OF TRADE

FINAL REPORT
on the
CENSUS OF PRODUCTION
FOR 1948

Volume 5

Trade I

Watch and Clock



*Presented by the Board of Trade to Parliament
in pursuance of the Statistics of Trade Act, 1947
(10 & 11 Geo. 6, Ch. 39, Sec. 7).*

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In interpreting the data in the following tables, it is essential to bear in mind not only the qualifications mentioned in this report but also the general explanations and qualifications contained in the separate booklet published in this series by H.M. Stationery Office entitled "Final Reports of the Census of Production for 1948: Introductory Notes", price 2s 0d. NET

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* Not applicable to this trade

WATCH AND CLOCK TRADE

THIS REPORT on the Watch and Clock Trade relates to establishments engaged wholly or mainly in the manufacture of watches and clocks (including electric clocks), and in the repairing of watches and clocks if done for the trade, but not if done directly for the public. As repairing firms were not covered by the 1937 Inquiry, Table 1 gives, as well as the full totals for 1935, figures for that year relating to the sections of the trade included in the 1937 Inquiry. This trade corresponds to minimum list heading 101 in the Standard Industrial Classification.

Any establishments in Northern Ireland are excluded in 1948. No production was recorded there in this trade for 1937; the business of the establishments included in 1935 was confined to repair work and accounted for about 1 per cent. of the total net output for the United Kingdom.

No production was recorded by Government Departments for 1937 or 1935.

WATCH AND CLOCK TRADE

Summary

Larger establishments

TABLE 1

	All sections of the trade		Sections of the trade covered by the 1937 Inquiry		All sections of the trade	
	1948 (a)	1937 (b)	1935 (b)	1935 (b)	1935 (b)	1935 (b)
Gross output (production)	£'000 7,354	£'000 1,709	£'000 1,352	£'000 1,412	£'000 1,412	£'000 1,412
Cost of materials and fuel used	3,071	819	643	652	652	652
Payment for work done on materials given out	124	8	12	12	12	12
Net output	4,160	882	697	748	748	748
Wages and salaries of persons employed	2,622 No.	..	..	..	..	..
Average number of persons employed (c)	8,990(d)	4,063	3,708	4,029	4,029	4,029
Net output per person employed (c)	£ 463	£ 217	£ 188	£ 186	£ 186	£ 186
Stocks at end of year	£'000	£'000	£'000	£'000	£'000	£'000
Finished products and work in progress	892	..	..	..	..	..
Materials and fuel	850 No.	..	..	..	..	..
Number of establishments	86	..	54	66	66	66

- (a) Great Britain only.
 (b) United Kingdom.
 (c) Excluding outworkers.
 (d) For an estimate of the total number of persons employed in this trade see Table 3.

The values of gross output and of materials and fuel used are derived in the following way:-

	1948	1937	1935	1935
Output of firms in this trade	£'000	£'000	£'000	£'000
Total value of sales (1948) or production (1937 and 1935)				
Principal products (see Table 8)	6,080	1,564	1,352	1,326
Other output (see Table 10)	1,091	145		86
Adjustment for changes in stocks and work in progress (see Table 14)	+ 194	..	..	..
Less payment for transport by other firms	7,366 12	1,709	1,352	1,412
Gross output (production)	7,354	1,709	1,352	1,412
Materials and fuel used by firms in this trade				
Purchases (see Table 13)	3,248	819	643	652
Adjustment for changes in stocks (see Table 14)	- 177			
Materials and fuel used	3,071	819	643	652

Summary, 1948

Small firms in Great Britain

TABLE 2

Number of returns	647
Average number of persons employed (a)	
Males	1,837
Females	336
Total	2,173

(a) Including working proprietors.

Estimated average employment, 1948

All firms and Government Departments in Great Britain

TABLE 3

As returned by firms	
Employing on average more than ten persons (a)	8,990
Employing on average ten persons or less (b)	2,173
Estimated average employment in firms not making satisfactory returns	11,163
Estimated average employment in all firms	185
	11,348

- (a) See Tables 1 and 15 (1) and (11)
 (b) See Table 2.

Analysis by size, 1948

Larger establishments in Great Britain

TABLE 4

Average number employed	Establishments	Gross output	Net output	Persons employed	Remuneration			Net output per person employed
					Wages	Salaries	Total	
	No.	£'000	£'000	No.	£'000	£'000	£'000	£
11-24	34	650	332	558	127	52	179	595
25-49	14	458	283	505	107	67	174	561
50-99	16	815	442	1,213	245	99	344	364
100-199	9	950	601	1,125	279	95	373	534
200-299	4	686	421	977	228	40	268	431
300-999	9	3,794	2,081	4,612	986	387	1,354	451
Total	86	7,354	4,160	8,990	1,973	719	2,692	463

Analysis by standard region, 1948

Larger establishments in Great Britain

TABLE 5

Region	Establishments	Gross output	Net output		Persons employed	Remuneration		
			Value	Percentage of total		Wages	Salaries	Total
	No.	£'000	£'000		No.	£'000	£'000	£'000
England								
Northern; East and West Ridings of Yorkshire; North Western; North Midland; and Eastern	21	909	629	15.1	1,254	269	107	376
London and South Eastern; Midland; Southern; and South Western	57	4,562	2,578	62.0	5,442	1,279	480	1,759
Total England	78	5,471	3,207	77.1	6,696	1,548	587	2,135
Wales	3	360	209	5.0	747	133	30	163
Scotland	5	1,523	744	17.9	1,547	293	102	394
Great Britain	86	7,354	4,160	100.0	8,990	1,973	719	2,692

TABLE 6 - Analysis according to specialisation within the trade, 1948

Larger establishments in Great Britain

No specialisation within this trade was distinguished.

TABLE 7 - Total make of intermediate products

Larger establishments

This table is not applicable to the trade.

Sales (or production) of the principal products of the trade, including sales (or production) of these products by establishments classified to other trades

Larger establishments

TABLE 8

	1948 (a)			1937 (b)		1935 (b)	
	Sales			Production		Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	Thous.	£'000	No.	Thous.	£'000	Thous.	£'000
Clocks, complete (excluding time recorders)							
Electric, including mains operated, battery and master clocks (with slave dials)							
Alarm clocks	196.5	250	6	164.7	310	101.2	199
For motor vehicles and aircraft	-	-	-				
Other kinds	372.7	623	28				
Unclassified	107.9	238	6				
Other than electric							
Alarm clocks	1,643.8	854	5	590.0	394	629.5	454
For motor vehicles and aircraft	277.9	277	7				
Other kinds, including chronometers	357.9	767	32				
Time recorders (c)							
Electric	5.4	179	10	6.9	120		
Other than electric	7.0	155	12				
Parts of clocks							
Clock movements, complete							
For electric clocks	160.4	118	15	2.5	3	3.4	5
For other clocks	681.1	533	16				

TABLE 8 (contd.)

	1948 (a) Sales			1937 (b) Production		1935 (b) Production	
	Quantity Thous.	Value £'000	Entries No.	Quantity Thous.	Value £'000	Quantity Thous.	Value £'000
Parts of clocks (contd.)							
Clock cases							
Of wood	340.5 ..	317 63	18	372.3 ..	101 111	1,025.6	201
Of plastics	137.8 ..	25 25					
Of other materials	35.6 ..	75 69	8				
Other parts of clocks, excluding springs and glasses	..	779	47	..	104	..	93
Total clocks and parts (excluding springs and glasses)		5,511	..		1,250		1,055
Watches, complete							
Wristlet type	531.5	845	8	383.3	185	215.9	107
Pocket type	185.5	156	..				
Parts of watches							
Watch cases (wristlet or pocket type)	281.4 ..	370 30	12	421.4	298	356.7	239
Watch movements, complete, and other parts (excluding springs, glasses and jewels)	..	98	11	..	9	..	15
Repair work on customers' goods		262(d)	43				
Work done for the trade or on commission		112(d)	13		89(d)		152(d)
Total		7,384	..		1,831		1,568
Less sales (or production) in other trades (see Table 9)		1,304	..		267		242
Total principal products of this trade sold or made by establishments in the trade		6,080	76		1,564		1,326

(a) Great Britain only.

(b) United Kingdom.

(c) So far as recorded separately.

(d) Amount charged in 1948 and amount received in 1937 and 1935.

Sales (or production) of principal products of the trade by establishments classified to other trades

Larger establishments

TABLE 9

	1948 (a) Sales			1937 (b) Production		1935 (b) Production	
	Quantity Thous.	Value £'000	Entries No.	Quantity Thous.	Value £'000	Quantity Thous.	Value £'000
Clocks, complete (excluding time recorders)							
Electric, including mains operated, battery and master clocks (with slave dials)	133.7	324	15	38.6	106	35.4	77
Other than electric	67.9	179	16	191.7	107	191.8	127
Time recorders	4.1 ..	59 55	8				
Parts of clocks							
Clock movements, complete	20.5	72	11	16.4 ..	14 11	11.2	10
Clock cases	183.5 ..	67 118	33	-	-	7.5	1
Other parts of clocks, excluding springs and glasses	..	335	25	..	8	..	9
Total clocks and parts (excluding springs and glasses)		1,209	..		246		224
Watches, complete	0.4	3	..	0.2	6	0.2	3
Parts of watches							
Watch cases (wristlet or pocket type)	31.4	44	6	36.4	15	-	-
Watch movements, complete, and other parts (excluding springs, glasses and jewels)	..	12	5	-	-	-	-
Repair work on customers' goods		35(c)	..		-		15(c)
Total		1,304	..		267		242

(a) Great Britain only.

(b) United Kingdom.

(c) Amount charged in 1948 and amount received in 1935.

Sales (or production) in the trade of other
than principal products

Larger establishments

TABLE 10

	1948 (a)	1937 (b)	1935 (b)
	Sales	Production	Production
	£'000	£'000	£'000
Jewellery, gem-set or not	1	50	28
Other wares of gold, silver, electroplate, etc.	-	1	5
Scientific instruments and apparatus, and parts	92	52	26
Time switches	124	-	-
Electric lighting accessories	101	-	-
Radio, telecommunication and electronic apparatus	96	3	-
Parts and accessories of motor vehicles	259	7	-
Machinery and parts	135	6	5
Other goods	250	19	20
Waste products sold	33	7	2
Total	1,091	145	86

(a) Great Britain only.

(b) United Kingdom.

Analysis of sales, 1948
Larger establishments in Great Britain

TABLE 11

	Sales	Percentage of total sales
	£'000	
Sales (or transfers) to other organisations under the same control	2,758	40.4
Sales to independent buyers		
Exports invoiced directly overseas	198	2.9
Exports invoiced to Crown Agents and purchasing houses in this country of individual firms and governments abroad	91	1.3
His Majesty's Government and Local Authorities (other than productive establishments)	66	1.0
Manufacturers, repairers, builders, mines, public utilities, and transport and other productive undertakings	697	10.2
Wholesalers, merchants and other agents for resale	2,238(a)	32.8
Retailers, including multiple shops, caterers and N.A.A.F.I., for resale	686	10.0
Other businesses (including farmers) and institutions of all kinds	32	0.5
Members of the public, including employees	67	1.0
Total sales to independent buyers	4,075	59.6
Total	6,833	100.0

(a) of this total £1,653,000 was recorded as divided between £284,000 for export and £1,369,000 for other sales.

Production, exports and imports
of certain principal products (a)

TABLE 12

		Production (b)(c)	Exports (d)	Retained imports (e)
		Thous.	Thous.	Thous.
Clocks, complete (excluding time recorders)				
Electric, including mains operated, battery and master clocks (with slave dials)				
Alarm clocks	1948	196.5	29.8	14.4
Other kinds	1948	435.5 (f)	106.4	
Total electric clocks	{ 1948	739.9 (g)	136.2	14.4
	{ 1937	164.7	10.6	105.0
Other than electric				
Alarm clocks	{ 1948	1,643.8	550.8	1,122.0
	{ 1937	..	1.2	2,687.7
All other kinds	{ 1948	635.8 (f)	160.7	3.1
	{ 1937	..	48.9	1,764.2
Total other than electric	{ 1948	2,279.6	711.5	1,125.1
	{ 1937	590.0	50.1	4,451.9
Time recorders				
Electric	1948	5.4	24.0 (h)	..
Other than electric	1948	10.0 (f)	4.0 (h)	..
Parts of clocks				
Clock movements, complete				
For electric clocks	{ 1948	160.4	19.1	9.3
	{ 1937	..	2.3	17.6
For other clocks	{ 1948	681.1	79.9	14.4
	{ 1937	235.3	5.6	1,150.1
Clock cases	1948	752.0 (f)	5.0	..
		£'000	£'000	£'000
Other parts of clocks, excluding springs and glasses (i)				
	1948	779	52	..
Total parts of clocks, other than complete clock movements, springs and glasses (i)	{ 1948	1,353	53	59
	{ 1937	316	14	53
Watches, complete	{ 1948	716.9	102.5	1,466.2
	{ 1937	383.3	14.5	7,662.9

TABLE 12 (contd.)

		Production (b)(c)	Exports (d)	Retained imports (e)
		Thous.	Thous.	Thous.
Parts of watches				
Watch cases	{ 1948	298.5 (f)	4.0	588.4
	{ 1937	421.4	2.0	154.0
		£'000	£'000	£'000
Watch movements, complete, and other parts of watches excluding springs, glasses and jewels (j)	{ 1948	98	6	787
	{ 1937	9	2	312

(a) Figures of sales (or production) refer only to larger establishments in Great Britain (1948) or the United Kingdom (1937). All recorded exports from and imports into the United Kingdom are given in the table. The figures, therefore, are not strictly comparable.

(b) Sales in 1948 and production for sale in 1937.

(c) Including sales (or production) by establishments classified to other trades.

(d) Valued f.o.b.

(e) Valued c.i.f.

(f) Partly estimated.

(g) Including unclassified sales.

(h) Including time switches. For particulars of the output of time switches in all trades see the Electrical Engineering (General) Trade (Volume 4, Trade K).

(i) The overseas trade figures include springs and glasses.

(j) The overseas trade figures include springs, glasses and jewels, except the 1948 figure for retained imports which includes springs and glasses but not jewels.

Purchased materials and fuel

Larger establishments

TABLE 13

	1948 (a)		1937 (b)		1935 (b)	
	Materials and fuel purchased		Usage of purchased materials and fuel			
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. ozs. troy	£'000	Th. ozs. troy	£'000	Th. ozs. troy	£'000
Materials						
Gold and silver	49.6	116	83.3	155	74.6	127
	Thous.		Thous.		Thous.	
Parts of clocks						
Clock cases						
Of wood	200.6	151	169.9	45	279.2	45
Of plastics	101.2	22				
Of other materials	1,111.7	22				
Clock movements, complete	521.7	236	203.5	76	315.6	75
Parts of watches						
Watch cases, and watch movements, complete	595.2	150	466.9	97		
Packing materials	..	53	..	7		
	Th. cwts.					
Clock brass, except finished parts	30.1	278			..	394 (c)
Other parts of clocks, including glasses	..	684				
Other parts of watches, including glasses	..	315	..	425		
Timber of all kinds (including veneers, plywood, etc.) other than for packing (d)	..	70				
All other purchased materials	..	1,069				
	Th. tons		Th. tons		Th. tons	
Fuel and electricity						
Coal	3.2	10	0.2	-	0.4	1
Coke	1.8	7	..	(e)	1.4	2

TABLE 13 (contd.)

	1948 (a)		1937 (b)		1935 (b)	
	Materials and fuel purchased		Usage of purchased materials and fuel			
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. B.T.U. (kW. hrs.)	£'000	Th. B.T.U. (kW. hrs.)	£'000	Th. B.T.U. (kW. hrs.)	£'000
Fuel and electricity (contd.)						
Electricity purchased and electricity obtained from other works under the same ownership (f)	7,106	40	1,149	5	1,653	8
			..	3		
	Th. galls.					
Motor spirit (petrol) and derv. fuel						
Used for road vehicles	41	4	..	6	..	(e)
Used for other power purposes	..	2				
Other oil fuel (including creosote/pitch mixtures)	161	7				
	Th. therms					
Gas purchased			..	6	..	(e)
From public supply	298	13				
From other sources	-	-				
Gas obtained from other works under the same ownership	-	-				
All other purchased fuel	-	-				
Total		3,248		819		652

(a) Great Britain only.

(b) United Kingdom.

(c) Including fuel not specified separately.

(d) So far as recorded separately.

(e) Not recorded separately.

(f) The total quantity of electricity consumed in 1948 was 10,501,000 B.T. units including 3,395,000 generated in the same works.

Stocks of finished products and work in progress and stocks of materials and fuel, 1948

Larger establishments in Great Britain

TABLE 14

	At beginning of year		At end of year	
	£'000		£'000	
Finished products	206		287	
Work in progress	492		605	
Total finished products and work in progress	698		892	
Materials and fuel	873		850	

Employment and remuneration (a)

Larger establishments

(i) Private Firms

TABLE 15

	Average number of operatives			Administrative, technical and clerical employees (b)				Total				
	All sections of the trade	Sections of the trade covered by the 1937 Inquiry		All sections of the trade	All sections of the trade covered by the 1937 Inquiry			All sections of the trade	Sections of the trade covered by the 1937 Inquiry		All sections of the trade	
		1948(c)	1937(d)		1935(d)	1948(c)	1937(d)		1935(d)	1935(d)		1948(c)	1937(d)	1935(d)
	Males											
Under 18	308	535	446	469	18	44	12	13	326	579	458	482
All ages	3,884	2,106	1,985	2,234	898	412	266	303	4,782	2,518	2,251	2,537
Females												
Under 18	275	311	313	316	72	97	59	62	347	408	372	378
All ages	3,481	1,275	1,276	1,285	577	270	181	207	4,058	1,545	1,457	1,492
Total												
Under 18	583	846	759	785	90	141	71	75	673	987	830	860
All ages	7,365	3,381	3,261	3,519	1,475(e)	682	447	510	8,840 (e) (f) (g)	4,063	3,708	4,029
Total remuneration	£'000	..	..	..	£'000	..	..	..	£'000	..	..	..
	1,940	..	..	..	712	..	..	..	2,652	..	..	..

(a) Excluded employees. The following numbers were employed at establishments in this trade but are not included in the table or in any other report (e.g., employees in a separate selling or transport organisation for which separate accounts are kept):-

Canteen workers 6 males 79 females
Other workers 155 males 62 females

(b) Number at September 25, 1948, October 16, 1937, and October 12, 1935.

(c) Great Britain only.

(d) United Kingdom.

(e) There were, in addition, 15 working proprietors (14 males and 1 female) in 1948. Working proprietors are included in the 1937 and 1935 figures.

(f) The employers' share of contributions to all National Insurance Schemes payable during the year in respect of these workers amounted to £64,000.

(g) The following persons (included in this total) were employed on special work by establishments employing 100 or more persons:-

	Operatives	Administrative, technical and clerical employees
Transport of goods outside the premises	13	
Maintenance and repair of firms' buildings, but not plant	24	
Research work not directly connected with current production however charged	8	4

In addition to the employees in the above table the firms in this trade employed outworkers whose number (and remuneration in 1948) are set out below.

	Average number of outworkers employed			Total amount paid to outworkers £'000
	Males	Females	Total	
1948	2	16	18	2
1937	74	1	75	..
1935	52	-	52	..

Employment and remuneration (a)

Larger establishments

(ii) Government Departments

TABLE 15

	Average number of operatives	Administrative, technical and clerical employees (b)	Total
	1948	1948	1948
Males			
Under 18	1	-	1
All ages	61	12	73
Females			
Under 18	1	-	1
All ages	59	3	62
Total			
Under 18	2	-	2
All ages	120	15	135(c)
Total remuneration	£'000	£'000	£'000
	33	7	40

(a) Excluded employees. The following numbers were employed at establishments in this trade but are not included in the table or in any other report (e.g., employees in a separate selling or transport organisation for which separate accounts are kept):-

Canteen workers - males 2 females
Other workers - males - females

(b) At September 25, 1948.

(c) The employers' share of contributions to all National Insurance Schemes payable during the year in respect of these workers amounted to £1,000.

Wages and salaries paid, 1948 (a)

TABLE 16

Larger establishments in Great Britain

	Amount paid by all establishments	Establishments making returns for the calendar year					
		Amount paid	Percentage of annual remuneration paid in				
			First quarter	Second quarter	Third quarter	Fourth quarter	Year
Wages and salaries of Operatives	£'000	£'000					
Administrative, technical and clerical employees	1,973	785	25.2	25.0	23.9	25.9	100.0
Total	719	289	23.1	25.6	23.9	27.4	100.0
	2,692	1,074	24.6	25.2	23.9	26.3	100.0

(a) Including bonus and commission payments.

TABLE 17 - Payments for work done on materials given out, 1948

Larger establishments in Great Britain

The total amount paid for work done on materials given out was £124,000.

PRECISION INSTRUMENTS, JEWELLERY, ETC.
 Payments for certain services, 1948
 Larger establishments in Great Britain

TABLE 18

	Amount paid £'000
Repair and maintenance	
Of buildings	16
Of plant, machinery and vehicles	39
Unclassified	31
Hire of plant, machinery and vehicles	11
Advertising and market research	
Advertising in newspapers, magazines and periodicals	21
Other advertising services (poster display, despatch of circulars, etc.) and market research	3
Unclassified	19
Payments made for research work	-
Postage, telephone, telegrams and cables	31
Commercial insurance premiums	26
Rates (excluding water rates) payable in the year	12

Plant, machinery and vehicles acquired and disposed of, 1948
 Larger establishments in Great Britain

TABLE 19

	Acquisitions		Disposals
	New	Second-hand	
	£'000	£'000	£'000
Plant and machinery	242	7	5
Vehicles	24	5	7
Total	266	12	11

Capital expenditure on building work and changes in
 occupation of buildings and land, 1948
 Larger establishments in Great Britain

TABLE 20

	£'000
1. Capital expenditure on building work (a)	79
2. Existing buildings and land acquired (b)	15
Total of headings 1 and 2	94
3. Existing buildings and land relinquished (c)	16
4. Headings 1 and 2 less heading 3	78

(a) Excluding site value.

(b) The figure does not reflect changes in ownership of previously occupied land and buildings.

(c) Including property destroyed or abandoned.

Summary
 Larger establishments

TABLE 21

	England	Wales	Scotland	Great Britain
	£'000	£'000	£'000	£'000
Gross output (production)	5,471	360	1,523	7,354
Cost of materials and fuel used	2,156	152	763	3,071
Payment for work done on materials given out	108	-	15	124
Net output	3,207	209	744	4,160
Wages and salaries of persons employed	2,135	163	394	2,692
Average number of persons employed (a)	No. 6,896	No. 747	No. 1,547	No. 8,990
Net output per person employed (a)	£ 479	£ 279	£ 481	£ 463
Stocks at end of year	£'000 712	£'000 42	£'000 138	£'000 892
Finished products and work in progress	655	10	184	850
Materials and fuel	No. 78	No. 3	No. 5	No. 86
Number of establishments				

(a) Excluding outworkers.

The values of gross output and of materials and fuel used are derived in the following way:-

	England	Wales	Scotland	Great Britain
	£'000	£'000	£'000	£'000
Output of firms in this trade	5,373	331	1,468	7,172
Total value of sales (see Table 23)	+ 105	+ 30	+ 59	+ 194
Adjustment for changes in stocks and work in progress	5,478	362	1,527	7,366
Less payment for transport by other firms	6	2	4	12
Gross output (production)	5,471	360	1,523	7,354
Materials and fuel used by firms in this trade	2,275	148	825	3,248
Purchases (See Table 24)	- 119	+ 3	- 62	- 177
Adjustment for changes in stocks	2,156	152	763	3,071
Materials and fuel used				

Summary

Small firms

TABLE 22

	England	Wales	Scotland	Great Britain
Number of returns	517	25	105	647
Average number of persons employed (a)				
Males	1,488	58	291	1,837
Females	276	8	52	336
Total	1,764	66	343	2,173

(a) Including working proprietors.

Sales in the trade

Larger establishments

TABLE 23

	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
	Thous.	£'000	Thous.	£'000	Thous.	£'000
Principal products						
Clocks, complete (excluding time recorders)						
Electric, including mains operated, battery and master clocks (with slave dials)	..	(a)	..	(a)	543.6	787
Other than electric	978.7	1,128	1,233.1	590	2,211.8	1,718
Time recorders	{ 8.3	{ 275	{ -	{ -	{ 8.3	{ 275
Parts of clocks						
Clock movements, complete	..	(a)	..	(a)	821.0	579
Clock cases	{ 330.3	{ 350	{ -	{ -	{ 330.3	{ 350
Other parts of clocks, excluding springs and glasses	..	(a)	..	(a)	..	443
Total clocks and parts (excluding springs and glasses)		3,631		671		4,302

TABLE 23 - (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
	Thous.	£'000	Thous.	£'000	Thous.	£'000
Principal products (contd.)						
Watches, complete	..	(a)	..	(a)	716.5	997
Parts of watches						
Watch cases (wristlet or pocket type)	{ 249.9	{ 325	{ -	{ -	{ 249.9	{ 325
Watch movements complete and other parts (excluding springs, glasses and jewels)	..	(a)	..	(a)	..	86
Repair work on customers' goods		(a)		(a)		227(b)
Work done for the trade or on commission		112(b)		-		112
Total principal products		4,677		1,403		6,080
Other output						
Jewellery, gem-set or not	..	1	..	-	..	1
Scientific instruments and apparatus, and parts	..	92	..	-	..	92
Time switches	..	124	..	-	..	124
Electric lighting accessories	..	101	..	-	..	101
Radio, telecommunications and electronic apparatus	..	96	..	-	..	96
Parts and accessories of motor vehicles	..	259	..	-	..	259
Machinery and parts	..	(a)	..	(a)	..	135
Other goods	..	199	..	51	..	250
Waste products sold	..	20	..	13	..	33
Total		5,704		1,468		7,172

(a) Owing to the risk of disclosure of information relating to individual firms, separate figures cannot be given.

(b) Amount charged.

Purchased materials and fuel
Larger establishments

TABLE 24

	England and Wales		Scotland		Great Britain	
	Quantity	Cost	Quantity	Cost	Quantity	Cost
		£'000		£'000	Th. ozs. troy	£'000
Materials						
Gold and silver	..	(a)	..	(a)	49.6	116
Parts of clocks					Thous.	
Clock cases						
Of wood	..	(a)	..	(a)	200.6	151
Of plastics	..	(a)	..	(a)	101.2	22
Of Other materials	..	(a)	..	(a)	1,111.7	22
Clock movements, complete	..	(a)	..	(a)	521.7	236
Parts of watches						
Watch cases, and watch movements, complete	..	(a)	..	(a)	595.2	150
Packing materials	..	30	..	23	..	53
					Th. cwts.	
Clock brass, except finished parts	..	(a)	..	(a)	30.1	278
Other parts of clocks, including glasses	..	(a)	..	(a)	..	684
Other parts of watches, including glasses	..	(a)	..	(a)	..	315
Timber of all kinds (including veneers, plywood, etc.) other than for packing	..	70	-	-	..	70
All Other purchased materials	..	892	..	177	..	1,089
	Th. tons		Th. tons		Th. tons	
Fuel and electricity						
Coal	1.8	6	1.4	4	3.2	10
Coke	1.8	7	-	-	1.8	7
	Th. B.T.U. (kW. hrs.)		Th. B.T.U. (kW. hrs.)		Th. B.T.U. (kW. hrs.)	
Electricity purchased and electricity obtained from other works under the same ownership (b)	5,328	33	1,768	7	7,106	40

Purchased materials and fuel
Larger establishments

TABLE 24 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. galls.	£'000	Th. galls.	£'000	Th. galls.	
Fuel and electricity (Contd.)						
Motor spirit (petrol) and deriv. fuel						
Used for road vehicles	38	4	3	-	41	4
Used for other power purposes	..	(a)	..	(a)	..	2
Other oil fuel (including creosote/pitch mixtures)	..	(a)	..	(a)	161	7
Gas purchased	Th. therms.		Th. therms.		Th. therms.	
From public supply	248	11	50	2	298	13
From other sources	-	-	-	-	-	-
Gas obtained from other works under the same ownership	-	-	-	-	-	-
All other purchased fuel	-	-	-	-	-	-
Total		2,423		825		3,248

(a) Owing to the risk of disclosure of information relating to individual firms, separate figures cannot be given.

(b) The total quantity of electricity consumed in England and Wales was 8,685,000 B.T. units including 3,347,000 generated in the same works. The total quantity of electricity consumed in Scotland was 1,816,000 B.T. units including 48,000 generated in the same works.

Employment and remuneration
Larger establishments

Private Firms

TABLE 25

	England and Wales			Scotland			Great Britain		
	Average number of operatives	Administrative technical and clerical employees (a)	Total	Average number of operatives	Administrative technical and clerical employees (a)	Total	Average number of operatives	Administrative technical and clerical employees (a)	Total
Males									
Under 18	259	18	277	49	-	49	308	18	326
All ages	3,499	792	4,291	385	106	491	3,884	898	4,782
Females									
Under 18	203	87	270	72	5	77	275	72	347
All ages	2,527	475	3,002	954	102	1,056	3,481	577	4,058
Total									
Under 18	462	85	547	121	5	126	583	90	673
All ages	6,026	1,287 (b)	7,293 (b) (c)	1,339	208 (b)	1,547 (b) (c)	7,365	1,475 (b)	8,840 (b) (c)
	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000
Total remuneration	1,347	611	2,258	293	102	394	1,940	712	2,652

(a) Number at September 25, 1948.

(b) There were, in addition, 15 working proprietors (14 males, 1 female) in England and Wales.

(c) The employers' share of contributions to all National Insurance Schemes payable during the year in respect of these workers amounted to a total of £64,000; £54,000 for England and Wales, and £11,000 for Scotland.

In addition to the employees in the above table the firms in this trade employed outworkers whose numbers and remuneration are set out below.

	Average number of outworkers employed			Total amount paid to outworkers
	Males	Females	Total	
England and Wales	2	16	18	£'000 2
Scotland	-	-	-	-
Great Britain	2	16	18	2

All Government Departments establishments classified to this trade, were situated in England. Particulars of employment and remuneration therein, are given in Table 15 (ii)

Monthly index of employment of operatives: Larger establishments
(average employment in 1948 = 100)

TABLE 26

Month	Monthly index (a)			Month	Monthly index (a)		
	England and Wales	Scotland	Great Britain		England and Wales	Scotland	Great Britain
1948				1948			
January	110.3	98.2	108.6	August	96.9	101.4	97.6
February	108.1	86.2	104.8	September	93.9	102.0	95.1
March	103.0	86.2	100.5	October	94.6	107.0	96.5
April	102.3	95.0	101.2	November	94.4	114.5	97.5
May	102.9	99.1	102.3	December	94.2	112.7	97.0
June	101.9	99.3	101.6	Percentage employment in this trade covered by the index	40.4	32.9	39.1
July	97.3	97.5	97.4				

(a) The index numbers are calculated from the number of operatives employed in one week in each month returned by larger establishments that made returns for the calendar year 1948.

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