



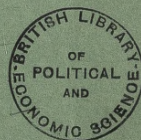
BOARD OF TRADE

FINAL REPORT
on the
CENSUS OF PRODUCTION
FOR 1948

Volume 11

Trade J

Incandescent Mantles



*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

List of Tables

Table No.	Title	Page.
1	Summary: Larger establishments	11/J/2
2	Summary, 1948: Small firms in Great Britain	11/J/3
3	Estimated average employment, 1948: All firms in Great Britain	11/J/3
4	Analysis by size, 1948: Larger establishments in Great Britain	11/J/3
5	Analysis by standard region, 1948: Larger establishments in Great Britain	11/J/3
6	Analysis according to specialisation within the trade, 1948: Larger establishments in Great Britain	11/J/3
7	Total make of intermediate products: Larger establishments	*
8	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	11/J/4
9	Sales (or production) of principal products of the trade by establishments classified to other trades: Larger establishments	11/J/4
10	Sales (or production) in the trade of other than principal products: Larger establishments	11/J/5
11	Analysis of sales, 1948: Larger establishments in Great Britain	11/J/5
12	Production, exports and imports of certain principal products: Larger establishments	11/J/5
13	Purchased materials and fuel: Larger establishments	11/J/8
14	Stocks of finished products and work in progress and stocks of materials and fuel, 1948: Larger establishments in Great Britain	11/J/8
15	Employment and remuneration: Larger establishments	11/J/9
16	Wages and salaries paid, 1948: Larger establishments in Great Britain	11/J/10
17	Payments for work done on materials given out, 1948: Larger establishments in Great Britain	11/J/10
18	Payments for certain services, 1948: Larger establishments in Great Britain	11/J/10
19	Plant, machinery and vehicles acquired and disposed of, 1948: Larger establishments in Great Britain	11/J/11
20	Capital expenditure on building work and changes in occupation of buildings and land, 1948: Larger establishments in Great Britain	11/J/11

Country Tables

Table No.	Title	Page
21	Summary: Larger establishments	11/J/12
22	Summary: Small firms	11/J/12
23 or 23(1)	Sales in the trade: Larger establishments	11/J/12
23(11)	Sales in the trade: Small firms	*
24 or 24(1)	Purchased materials and fuel: Larger establishments	11/J/12
24(11)	Purchased materials and fuel: Small firms	*
25 or 25(1)	Employment and remuneration: Larger establishments	11/J/12
25(11)	Employment: Small firms	*
26	Monthly index of employment of operatives: Larger establishments	11/J/13

* Not applicable to this trade

INCANDESCENT MANTLES TRADE

THIS REPORT on the Incandescent Mantles Trade relates to establishments engaged wholly or mainly in the manufacture of incandescent mantles.

This trade is one of the miscellaneous manufacturing industries included in minimum list heading 199(3) in the Standard Industrial Classification.

Any establishments in Northern Ireland are excluded in 1948; no production was recorded there in this trade for 1937 or 1935.

INCANDESCENT MANTLES TRADE

Summary

Larger establishments

TABLE 1

	1948	1937	1935
	£'000	£'000	£'000
Gross output (production)	595	384	406
Cost of materials and fuel used	242	128	148
Payment for work done on materials given out	1	-	-
Net output	351	256	258
Wages and salaries of persons employed	167	..	..
Average number of persons employed (a)	No. 917	No. 1,079	No. 1,271
Net output per person employed (a)	£ 383	£ 237	£ 203
Stocks at end of year	£'000	£'000	£'000
Finished products and work in progress	46	..	..
Materials and fuel	115	..	..
Number of establishments	No. 9	No. ..	No. 10

(a) Excluding outworkers.

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

	1948	1937	1935
	£'000	£'000	£'000
Output of firms in this trade			
Total value of sales (1948) or production (1937 and 1935)			
Principal products (see Table 8)	586	382	405
Other output (see Table 10)	6	2	1
Adjustment for changes in stocks and work in progress (see Table 14)	+ 3	..	..
Less payment for transport by other firms	595	384	406
Gross output (production)	595	384	406
Materials and fuel used by firms in this trade			
Purchases (see Table 13)	280	128	148
Adjustment for changes in stocks (see Table 14)	- 38		
Materials and fuel used	242	128	148

TABLE 2 - Summary, 1948: Small firms in Great Britain

TABLE 3 - Estimated average employment, 1948: All firms in Great Britain

There were no small firms in the register for this trade. For the total average employment in this trade, see Table 1.

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	
11-49	No. 4	£'000 64	£'000 39	No. 122	£'000 14	£'000 5	£'000 19	No. 317
50-499	5	530	312	795	128	20	148	393
Total	9	595	351	917	142	25	167	383

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
England	No.	£'000	£'000		No.	£'000	£'000	£'000
London and South Eastern; and North Western	9	595	351	100.0	917	142	25	167
Wales	-	-	-	-	-	-	-	-
Scotland	-	-	-	-	-	-	-	-
Great Britain	9	595	351	100.0	917	142	25	167

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 Sales			1937 Production		1935 Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	Th. gross	£'000	No.	Th. gross	£'000	Th. gross	£'000
Incandescent mantles, for gas lighting, whether collodionised or not; and incandescent mantles for other purposes	240	586	8	210	382	265	405
Total		586	8		382		405
Less sales (or production) in other trades		-	-		-		-
Total principal products of this trade sold or made by establishments in the trade		586	8		382		405

TABLE 9 - Sales (or production) of principal products of the trade by establishments classified to other trades: Larger establishments

No output of principal products of this trade by establishments classified to other trades was recorded for 1948, 1937 or 1935.

TABLE 10 - Sales (or production) in the trade of other than principal products: Larger establishments

The total values of the sales (or production) in the trade of other than principal products was £6,000 in 1948, £2,000 in 1937 and £1,000 in 1935.

Analysis of sales, 1948

Larger establishments in Great Britain

TABLE 11

	Sales	Percentage of total sales
	£'000	
Sales to independent buyers		
Exports invoiced directly overseas	17	2.8
His Majesty's Government and Local Authorities (other than productive establishments)	21	3.5
Manufacturers, repairers, builders, mines, public utilities, and transport and other productive undertakings	50	8.4
Wholesalers, merchants and other agents for resale	49	8.2
Members of the public, including employees	1	0.1
Other independent buyers	456	76.9
Sales (or transfers) to other organisations under the same control		
Total	592	100.0

Production, exports and imports of certain principal products

TABLE 12

	Production (a)	Exports	Retained imports
	Th. gross	Th. gross	Th. gross
Incandescent mantles for gas lighting, whether collodionised or not; and incandescent mantles for other purposes	1948 240 1937 210	54 13	8 1

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

Purchased materials and fuel

Larger establishments

TABLE 13

	1948		1937		1935	
	Materials and fuel purchased		Usage of purchased materials and fuel			
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. lbs.	£'000	Th. lbs.	£'000	Th. lbs.	£'000
Materials						
Ramie yarn	60.7	33	56.6	9	74.5	13
Cotton yarn	28.5	8	28.1	2	41.6	3
Asbestos yarn	20.3	10	9.6	2	12.2	3
Thorium nitrate	100.7	59	78.3	32	89.4	37
Packing materials	..	46	..	17	..	(a)
Camphor	Th. cwts.	-	1			
Collodion	Th. galls.	8.4	6			
Ether		7.6	4			
Methylated spirits	Th. bulk galls.	7.5	2	..	56	..
Mantle rings	Th. gross	193.7	64			
All other purchased materials		-	32			
Fuel and electricity	Th. tons		Th. tons		Th. tons	
Coal	-	-	1.1	2	2.0	3
Coke	0.8	4	..	(a)	0.9	1

TABLE 13 (contd.)

	1948		1937		1935	
	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						
From public supply	209	2	} 250	2	407	2
From other sources	-	-				
Electricity obtained from other works under the same ownership	-	-	-	-	-	-
Motor spirit (petrol) and derv. fuel	Th. galls.					
Used for road vehicles	2	-				
Used for other power purposes	-	-				
Other oil fuel (including creosote/pitch mixtures)	-	-				
Gas purchased	Th. therms		..	6	..	(a)
From public supply	158	8				
From other sources	-	-				
Gas obtained from other works under the same ownership	-	-				
All other purchased fuel	-	-				
Total		280		128		148

(a) Not recorded separately.

(b) Including fuel not specified separately.

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	
	Quantity	Value	Quantity	Value
Finished products and work in progress		£'000		£'000
		43		46
Materials and fuel	Th. lbs.		Th. lbs.	
Ramie yarn	20.3	11	36.9	20
Thorium nitrate	12.6	8	32.9	18
Other descriptions of materials and fuel	..	59	..	77
Total materials and fuel		78		115

Employment and remuneration (a)

Larger establishments

TABLE 15

	Average number of operatives			Administrative, technical and clerical employees (b)			Total		
	1948	1937	1935	1948	1937	1935	1948	1937	1935
Males									
Under 18	1	6	8	-	1	1	1	7	9
All ages	61	102	122	25	54	56	86	156	178
Females									
Under 18	128	221	214	4	2	3	132	223	217
All ages	809	881	1,045	19	42	48	828	923	1,093
Total									
Under 18	129	227	222	4	3	4	133	230	226
All ages	870	983	1,187	44(c)	98	104	914 (c) (d) (e)	1,079	1,271
Total remuneration	£'000			£'000			£'000		
	142	..	..	25	..	..	167	..	..

(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	8	females	
Other workers	-	males	-	females	

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

(c) There were, in addition, 3 working proprietors (2 males and 1 female) in 1948. Working proprietors are included in the 1937 and 1935 figures.

(d) The employers' share of contributions to all National Insurance Schemes payable during the year in respect of these workers amounted to £7,000.

(e) 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	-	
Maintenance and repair of firms' buildings, but not plant	-	
Research work not directly connected with current production however charged	-	

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

	Average number of outworkers employed			Total amount paid to outworkers £'000
	Males	Females	Total	
1948	-	210	210	15
1937	-	7	7	..
1935	-	8	8	..

OTHER MANUFACTURING INDUSTRIES

Wages and salaries paid, 1948 (a)

Larger establishments in Great Britain

TABLE 16

	Amount paid by all establishments £'000	Establishments making returns for the year ended March 1949						
		Amount paid £'000	Percentage of annual remuneration paid in					Year
			First quarter	Second quarter	Third quarter	Fourth quarter		
Wages and salaries of								
Operatives	142	117	24.2	24.7	25.8	25.3	100.0	
Administrative, technical and clerical employees	25	22	24.9	24.6	25.5	25.0	100.0	
Total	167	139	24.3	24.7	25.8	25.2	100.0	

(a) Including bonus and commission payments.

Note:- The establishments making returns for the year ended March, 1949, were responsible for over three quarters of the employment in the trade.

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 £1,000.

Payments for certain services, 1948

Larger establishments in Great Britain

TABLE 18

	Amount paid £'000
Repair and maintenance	
Of buildings	2
Of plant, machinery and vehicles	4
Unclassified	1
Hire of plant, machinery and vehicles	1
Advertising and market research	1
Payments made for research work	-
Postage, telephone, telegrams and cables	2
Commercial insurance premiums	2
Rates (excluding water rates) payable in the year	1

INCANDESCENT MANTLES

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	4	-	-
Vehicles	-	-	-
Total	4	-	-

Capital expenditure on building work and changes in

occupation of buildings and land, 1948

Larger establishments in Great Britain

TABLE 20

	£'000	£'000
1. Capital expenditure on building work		-
2. Existing buildings and land acquired		-
Total of headings 1 and 2		-
3. Existing buildings and land relinquished (a)		
(1) Selling value of freeholds sold		-
(11) Estimated value of other properties relinquished	23	
Total of heading 3		23
4. Headings 1 and 2 less heading 3		- 23

(a) Including property destroyed or abandoned.

1948

Note:- There were no larger establishments in Wales or Scotland in the register for this trade.

TABLE 21 - Summary: Larger establishments

See Table 1.

TABLE 22 - Summary: Small firms

There were no small firms in the register for this trade.

Sales in the trade

Larger establishments

TABLE 23

	England (a)	
	Quantity	Value
Principal products	Th. gross	£'000
Incandescent mantles for gas lighting, whether collodionised or not; and incandescent mantles for other purposes	240	586
Total principal products	240	586
Other output		6
Total		592

(a) There were no larger establishments in Wales or Scotland in the register for this trade.

TABLE 24 - Purchased materials and fuel: Larger establishments

See Table 13.

TABLE 25 - Employment and remuneration: Larger establishments

See Table 15.

Monthly index of employment of operatives: Larger establishments
(average employment in the year ended March 1949 = 100)

TABLE 26

Month	Monthly index (a)	Month	Monthly index (a)
	England (b)		England (b)
1948		1948	
April	98.8	November	101.7
May	100.8	December	97.5
June	98.8	1949	
July	100.1	January	100.0
August	99.7	February	99.7
September	101.0	March	99.7
October	101.3	Percentage employment in this trade covered by the index	83.0

(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 twelve months ended March, 1949.

(b) There were no larger establishments in Wales or Scotland in the register for this trade.

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