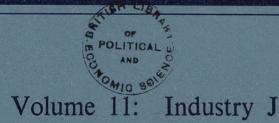
#### BOARD OF TRADE

[HA 251]

# The Report on the Census of Production for 1954



## **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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## The Report on the Census of Production for 1954

#### INCANDESCENT MANTLES

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

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

There were no establishments in Northern Ireland in the register for this industry.

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IMPORTANT NOTES and definitions appear on the next page. In interpreting the data in the tables, it is essential to bear these in mind.

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GENERAL NOTES

The following notes describe terms in general use in the tables of the report. More detailed explanations of the terms used and a description of the scope and method of taking the census are given in the separ-ate booklet entitled 'The Report on the Census of Production for 1954 - Introductory Notes' (price 1s. 6d. net).

Industrial Classification: Establishments are classified to industries according to the nature of their output and, as far as possible, in conformity with the Standard Industrial Classification. Certain products are identified as the principal products of individual industries, the principal products for a given industry being of a similar nature or commonly associated in production. The principle of classification normally followed is that an establishment is classified to an industry if its output of the principal products of that industry accounted for a greater proportion of the value of its output than did its output of the principal products of any other industry.

Specialist producers normally comprise those establishments 50 per cent. or more of whose total output by value is accounted for by the characteristic products of the specialist group.

Intermediate products: For some industries figures are given showing the total quantities made during the year of intermediate products, i.e., products which may be further processed in the establishments in which they are produced.

Larger establishments: The information given in the report relates mainly to 'larger establishments', i.e., establishments of firms employing on the average more than 10 persons. In most cases an establishment com-prises the whole of the premises under the same ownership or management at a particular address (e.g., a mine or factory). Offices, warehouses, laboratories and other ancillary places of business situated apart from the producing works are not regarded as separate establishments and are included in the return for the works.

Small firms are those employing on the average 10 or fewer persons.

The estimates for the industry as a whole given in Table 1 are normally obtained by increasing the other items shown in the same proportion as total employment.

Gross output (production) is the total value of goods made and other work done during the year: it is obtained by adjusting the value of sales and work done during the year for changes in the value of stocks of products on hand for sale and work in progress.

Net output is the amount left after deducting from the value of gross output the aggregate of the cost of materials and fuel used, the amount paid for work given out, and, for 1951 and 1954, any transport payments made. This represents the value added to materials by the process of production, and constitutes the fund from which wages, salaries, rents, rates and taxes, advertising and other selling expenses and all other similar charges have to be met, as well as depreciation and profits.

Sales means sales during the year of goods made in the establishment covered by the return or made on commission for it, whether produced in the year or not. The value of sales is the net selling value, i.e., the amount charged to customers, whether on an ex-works or delivered basis, and net of any trade discounts, agents' commissions, allowances for returnable cases, purchase tax, etc. For goods charged on a delivered basis to customers overseas, firms were required to give the f.o.b. value.

Materials and fuel: The total cost of materials and fuel purchased includes all purchases during the year of materials for use in production, and of fuel (including oil, gas and electricity) for all purposes: packing materials, including the full cost of returnable cases when first purchased: workshop and office materials: water charges: materials for repairs to buildings, plant and vehicles when carried out by firms' own workpeople included in their returns: consumable tools: and parts for machinery purchased as replacements. Purchases of goods for merchanting are excluded. The cost of materials and fuel used, given in Table 2, is obtained by adjusting purchases for changes during the year in the value of stocks.

Stocks: Firms were required to give stocks of materials and fuel, products on hand for sale, and work in progress, at income tax values.

Customs and Excise Duty paid on materials purchased if normally included in the cost of materials. Finished goods are similarly valued as they were sold, duty-paid or duty-free. The net amount of any duty paid is deducted in arriving at net output.

Employment: Total employment includes working proprietors, administrative, technical and clerical employees, and operatives, but excludes outworkers, canteen employees and persons engaged in merchanting or any other activity not covered by a firm's return, who are shown separately as excluded employees. Employees are persons on the pay-roll (i.e., persons whose National Insurance cards were held by employers), whether employed full-time or part-time.

Working proprietors are proprietors of businesses other than limited companies together with members of their families who worked in the business without receiving fixed wages or salaries. Any persons working less than half the normal hours are excluded. For Northern Ireland directors of limited companies (other than those paid by fee only) are also included.

Administrative, technical and clerical employees include directors, other than those paid by fee only (except in Northern Ireland): managers, superintendents and works foremen; research, experimental, development, technical and design employees (other than operatives); draughts-men and tracers; travellers; and office (including works office) employees.

Operatives include all other classes of employees, i.e., broadly speaking, all manual workers.

Outworkers are persons employed by the firm who work on materials supplied by the firm in their own homes.

Wages and salaries include all overtime payments, bonuses and commissions without any deductions for income tax, insurances, contributory pensions etc. They exclude payments to working proprietors.

Capital expenditure includes expenditure on new building work, and on plant, machinery and vehicles, charged to capital account during the year, including any transport and installation costs involved. It includes expenditure in respect of establishments in Great Britain which had not begun production before the end of the year (which has not previously been included in the Census of Production reports for individual industries).

Symbols used:

- .. for not available
- for nil or negligible (less than half the final digit shown).

Where figures are rounded, e.g., given to the near-est £ thousand, there may be apparent slight discrepancies between the sums of constituent items and the totals shown. In some cases, figures have been combined with others of a similar nature where publication of separate details might disclose information relating to an individual undertaking.

TABLE 1 Gross output (production) Net output Total stocks and work in progress At beginning of year Change during year Capital expenditure less disposals (a) Wages and salaries Total employment (including working proprietors)

(a) Capital expenditure on new building work, plant, machinery and vehicles, (including (except in 1948) that incurred in Great Britain for establishments not yet in production), less amounts received for plant, machinery and vehicles disposed of.

TABLE 2

		Unit	Great Britain	United Kingdom		
And a state of the	an an ann an an Anna Anna Anna		1948	1951	1954	
TIRMS EMPLOYING ON AVERAGE	MORE THAN 10 PERSONS					
Number of establishments Total value of sales and wor Products on hand for sale and work in progress Gross output (production) (c	k done { at beginning of year { change during year	No. £'000 	9 592 43 + 3 595	672 41 + 37 709	6 640 48 + 15 655	
Purchases of materials and f			280	329	253	
Stocks of materials and fuel	{at beginning of year change during year		78	106	89	
Cost of materials and fuel u	( change during year		+ 38	+ 49	- 2	
Payment for work done on mat	erials given out		242	281	255	
Payment for transport (b)	J		-	1 2	23	
Net output			351	424		
Average number of employees	{ operatives others	No.	870	724	396 561	
	lothers		44 (c)	45	43	
Total employment (d) Net output per person employ	ed (d)	÷.	917 383	769 551	604 656	
Wages and salaries	{ of operatives of others	£'.000	142 25	146 26	137 31	
Capital expenditure New building work (e)		10 10 10 10 10 10 10 10 10 10 10 10 10 1	bela legicali	6		
Plant and machinery	∫acquisitions (e)		4	4	- 4	
	disposals			-		
Vehicles	{acquisitions (e) disposals		-	•	2	
					1	
IRMS EMPLOYING ON AVERAGE	10 OR FEWER PERSONS					
Number of returns	No.		3	1		
Total employment, including working						
proprietors			-	27	9	

- (a) For the year 1948 gross output excludes payments for transport services outwards on finished goods sold.
- separate transport organisations for transport services.
- (b) Payments to other firms and undertakings and to firms' own separate transport organisations. For the
- (c) Number in week ended September 25, 1948.
- (d) Excluding outworkers and including working proprietors. (e) Excluding expenditure for establishments not yet in production.

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#### INCANDESCENT MANTLES

#### Industry summary

Estimates for the industry as a whole

	United Kingdom	Scotland	Wales	
1948	1951	1954	1954	1954
£ million	£ million	£ million	£ million	£ million
.60	.73	.67	-	-
.35	.44	.40	· Julian .	-
+ .12	.15 + .09	+ .14 + .01	:	:
	.01	.01	-	-
.17	.18	.17	-	-
Thousands	Thousands	Thousands	Thousands	Thousands
.9	.8	.6	۴	-

#### Summary of returns received

For subsequent years gross output includes payments to other firms and undertakings and to firms' own

year 1948 payments cover only transport outwards of finished goods sold. For subsequent years they cover payments for transport of both finished goods sold and materials and fuel purchased.

#### 11/J/4

#### INCANDESCENT MANTLES

TABLE 3 - Analysis by size, 1954: Larger establishments in the United Kingdom

Owing to the risk of disclosure of information relating to individual firms this table cannot be given.

TABLE 4 - Analysis according to specialisation within the industry, 1954

Larger establishments in the United Kingdom

No specialisation within this industry was distinguished.

### Sales of the principal products of the industry, including sales of these products by establishments classified to other industries

Larger establishments in the United Kingdom

TABLE 5	195	1		1954		
	Quantity	Value	Quanti ty	Value	Entries	
	Th.gross	£,000	Th.gross	£'000	Number	
Incandescent mantles, for all purposes, whether collodionised or not Total	255	670	247	638	5	
		670	and the second second	638	5	
Salas is other industries (see Table 6)		-	and the second second	al cashe have	-	
Principal products of this industry sold by establishments in the industry		670		638	5	

TABLE 6 - Sales of principal products of the industry by establishments classified to other industries: Larger establishments in the United Kingdom

No output of principal products of this industry by establishments classified to other industries was recorded for 1954.

#### INCANDESCENT MANTLES

TABLE 7 - Sales in the industry of other than principal products

Larger establishments in the United Kingdom

The total value of the sales in the industry of other than principal products was £2,000 in 1954.

TABLE 8 - Total make of intermediate products: Larger establishments in the United Kingdom This table is not applicable to the industry.

#### Purchases of materials and fuel, 1954

TABLE 9

#### Materials Mantle Rings Packing Materials All other purchased materials Fuel and electricity Coal Coke Liquid fuels (including creosote/pitch mixtures) Gas purchased From Gas Boards From other sources, including other departments of the same firms Electricity purchased From Electricity Boards From other sources, including other departments of the firms All other purchased fuel

Total cost

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11/J/5

#### Larger establishments in the United Kingdom

	Quantity	Cost
	Th.gross	£,000
	77	25
		46
		168
	Th.tons	
	-	
	0.9	5
	Th.gal.	
	-	-
	Th.therms	
	97	6
he		
	-	•
	Th.kWh.	
	297	2
he		
	-	-
		253

11/J/6

#### INCANDESCENT MANTLES

#### Average number of employees, and wages, salaries and superannuation payments (a)

#### Larger establishments in the United Kingdom

NumberNumberAverage number of employees Operatives Administrative, technical and clerical employees724 45561 43Total769604Wages and salaries paid to Operatives Administrative, technical and clerical employees Total146 26137 31Wages and salaries per head Operatives Administrative, technical and clerical employees146 202137 26Wages and salaries per head Operatives Administrative, technical and clerical employees172168 202Superannuation and other pension funds for employees and dependents202 245 709 £'000245 709 £'000Superannuation and other pension funds for employees and dependents2 2 2 2 2 2 2 2 2 2 2124 £'000		1951	1954
Operatives Administrative, technical and clerical employees724 45561 43Total769604Wages and salaries paid to Operatives Administrative, technical and clerical employees146137 26Total172168Wages and salaries per head Operatives Administrative, technical and clerical employees£604Superannuation and other pension funds for employees and dependents££Superannuation and other pension funds for employees and dependents202 578245 578Superannuation and other pension funds for employees and dependents2Funlowees cowered124		Number	Number
Operatives Administrative, technical and clerical employees4543Total769604Wages and salaries paid to Operatives Administrative, technical and clerical employees146137Total2631Wages and salaries per head Operatives Administrative, technical and clerical employees172168E£172168Superannuation and other pension funds for employees and dependents202245 578Employees covered2Number 124124	Average number of employees	and a survey they be beaution."	044
Total£'000£'000Operatives Administrative, technical and clerical employees146137Total2631Wages and salaries per head172168Operatives Administrative, technical and clerical employees202245Superannuation and other pension funds for employees578709Superannuation and other pension funds for employees2Number 124124	Operatives Administrative, technical and clerical employees		
Wages and salaries paid to     146     137       Operatives     26     31       Administrative, technical and clerical employees     172     168       Total     172     168       Wages and salaries per head     £     £       Operatives     202     245       Administrative, technical and clerical employees     578     709       Superannuation and other pension funds for employees     578     200       Superannuations      2       Furlowees covered      124	Total	769	604
Operatives Administrative, technical and clerical employees146137Total2631Wages and salaries per head172168Operatives Administrative, technical and clerical employees202245Superannuation and other pension funds for employees and dependents578709Employers' contributions2Fundowees covered124	There and enterior prid to	£'000	£,000
Total     172     168       Wages and salaries per head     £     £       Operatives     202     245       Administrative, technical and clerical employees     578     709       Superannuation and other pension funds for employees     578     202       Employers' contributions      2       Fundowees covered      124	Operatives		
Fund     Fund       Wages and salaries per head     £       Operatives     202       Administrative, technical and clerical employees     578       Superannuation and other pension funds for employees     578       and dependents        Employees covered	Administrative, technical and clerical employees	26	51
Wages and salaries per head     202     245       Operatives     202     245       Administrative, technical and clerical employees     578     709       Superannuation and other pension funds for employees     578     2       and dependents      2       Employers' contributions      2       Funlowees covered      124	Total	172	168
Operatives Administrative, technical and clerical employees202 578245 709 £'000Superannuation and other pension funds for employees and dependents578709 £'000Employers' contributions2 Number 124	Wages and salaries per head	£	£
Administrative, technical and clerical employees     £'000       Superannuation and other pension funds for employees     £'000       and dependents      2       Employees covered      124	Operatives		
and dependents Employers' contributions ··· 2 Number 124		0,0	
Employers' contributions ··· 2 Number 124	Superannuation and other pension funds for employees and dependents		
Employees covered 124			2
	DIST & TA. STORE		
	Employees covered		
Pension, etc. payments to former employees and	dependents		Section destated

(a). Outworkers. In addition to the employees shown above the firms in this industry employed outworkers whose numbers and remuneration are shown below:-

United	Kingdom	
the at	1951	1954
Males Females	457	737
Total	457	737
Total amount paid to outworkers	£'000 30	£'000 45

#### Employment in a specified week (a)

Larger establishments in the United Kingdom

TABLE 11						Numb		
		1951			1954			
	Males	Females	Total	Males	Females	Total		
Working proprietors	-	-	-	-	-	-		
Operatives	63	663	726	55	531	586		
Administrative, technical and clerical employees	21	24	45	22	21	43		
Total employees	84	687	771	77	552	629		

(a) Week ended September 22, 1951, or October 30, 1954.

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