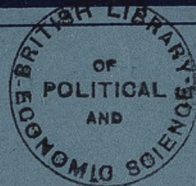


BOARD OF TRADE

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*The Report on the
Census of Production
for 1954*



Volume 1: Industry M

MANUFACTURED FUEL

*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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1957

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The Report on the Census of Production for 1954

VOLUME 1, INDUSTRY M

MANUFACTURED FUEL INDUSTRY

THIS REPORT on the Manufactured Fuel Industry relates to establishments engaged wholly or mainly in the manufacture of fuel briquettes, ovoids, etc.

This industry is included in minimum list heading 29(3) in the Standard Industrial Classification.

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

LIST OF TABLES

Table No.	Title	Page	Table No.	Title	Page
1	Industry summary: estimates for the industry as a whole	1/M/3	6	Sales of principal products of the industry by establishments classified to other industries	1/M/5
2	Summary of returns received	1/M/3	7	Sales in the industry of other than principal products	Does not apply
3	Analysis by size, 1954	1/M/4	8	Total make of intermediate products	Does not apply
4	Analysis according to specialisation within the industry, 1954	Does not apply	9	Purchases of materials and fuel, 1954	1/M/5
5	Sales of principal products of the industry, including sales of these products by establishments classified to other industries	1/M/4	10	Average number of employees and wages, salaries and superannuation payments	1/M/6
			11	Employment in a specified week	1/M/6

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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42
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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 separate 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 comprises 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 (includ-

ing 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 work-people 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 is 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); draughtsmen 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 nearest £ 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.

Industry summary: Estimates for the industry as a whole

TABLE 1

	United Kingdom			Scotland 1954	Wales 1954
	1948	1951	1954		
Gross output (production)	£ million 5.3	£ million 6.0	£ million 5.6	£ million 0.60	£ million 3.44
Net output	1.2	1.2	0.2	0.12	- 0.23
Total stocks and work in progress					
At beginning of year	0.2	0.2	0.4	.. (b)	0.21
Change during year	+ 0.1	+ 0.1	- 0.1	.. (b)	- 0.01
Capital expenditure less disposals (a)	0.1	0.1	0.1	0.01	0.01
Wages and salaries	0.5	0.6	0.6	0.06	0.39
Total employment (including working proprietors)	Thousands 1.6	Thousands 1.6	Thousands 1.3	Thousands 0.13	Thousands 0.82

(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.

(b) Owing to the risk of disclosure of information relating to individual undertakings, separate particulars cannot be given.

Summary of returns received

TABLE 2

	Unit	Great Britain 1948	United Kingdom	
			1951	1954
FIRMS EMPLOYING ON AVERAGE MORE THAN 10 PERSONS				
Number of establishments	No.	29	24	20
Total value of sales and work done	£'000	4,844	5,575	5,255
Products on hand for sale		26	23	149
and work in progress		+ 25	+ 9	- 84
Gross output (production) (a)		4,858	5,585	5,171
Purchases of materials and fuel		3,822	4,440 (b)	4,722
Stocks of materials and fuel		115	171	204
change during year		+ 32	+ 112	- 28
Cost of materials and fuel used		3,790	4,328	4,750
Payment for work done on materials given out		- 2		1
Payment for transport (c)		11	102	261
Net output		1,066	1,155	160
Average number of employees	No.	1,326	1,363	1,142
of others		112 (d)	81	83
Total employment (e)		1,443	1,448	1,229
Net output per person employed (e)	£	739	798	130
Wages and salaries	£'000	457	560	528
of others		50	39	49
Capital expenditure				
New building work (f)		19	2	5
Plant and machinery		51	46	25
disposals		4	2	3
Vehicles		-	1	-
disposals		-	-	-
FIRMS EMPLOYING ON AVERAGE 10 OR FEWER PERSONS				
Number of returns	No.	18	14 (g)	18
Total employment, including working proprietors		97	93 (g)	100

(a) For the year 1948 gross output excludes payments for transport services outwards on finished goods sold. For subsequent years gross output includes payments to other firms and undertakings and to firms' own separate transport organisations for transport services.

(b) Including payment for work done on materials given out.

(c) Payments to other firms and undertakings and to firms' own separate transport organisations. For the 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.

(d) Number in week ended September 25, 1948.

(e) Excluding outworkers and including working proprietors.

(f) Excluding expenditure for establishments not yet in production.

(g) Excluding Northern Ireland. No information about small firms was collected in Northern Ireland for 1951.

MANUFACTURED FUEL

Analysis by size, 1954

Larger establishments in the United Kingdom

TABLE 3

Average number employed (a)	Estab-lish-ments	Gross output	Net output (b)	Employees		Wages and salaries		Capital expenditure (c)	Net output per person employed (a) (b)
				Operatives	Others	Operatives	Others		
	Number	£'000	£'000	Number	Number	£'000	£'000	£'000	£
11 - 24	11	698	153	151	21	73	14	12	890
25 - 49	5	982	157	200	16	84	8	5	727
50 - 499	4	3,492	- 150	791	46	371	26	13	- 179
Total	20	5,171	160	1,142	83	528	49	31	130

(a) Excluding outworkers and including working proprietors.

(b) The figures in these columns are affected by uneconomic production in some establishments.

(c) Capital expenditure on new building work and on acquisition of plant, machinery and vehicles, excluding expenditure for establishments not yet in production.

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

	1951		1954		
	Quantity	Value	Quantity	Value	Entries
	Th. tons	£'000	Th. tons	£'000	Number
Manufactured fuel of which coal is the chief constituent					
Briquettes	1,017	4,198	914	4,293	17
Ovoids	375	1,369	212	896	7
Other descriptions					
Work done for the industry or on commission	-	-	..	4	..
Total	1,392	5,567	..	5,293	
Sales in other industries (see Table 6)	-	-	-	38	
Principal products of this industry sold by establishments in the industry	1,392	5,567	..	5,255	20

MANUFACTURED FUEL

TABLE 6 - Sales of principal products of the industry by establishments classified to other industries

Larger establishments in the United Kingdom

Sales of principal products by larger establishments classified to other industries amounted to £38,000 in 1954

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

Larger establishments in the United Kingdom

There were no sales in the industry of other than principal products in 1954

TABLE 8 - Total make of intermediate products

This table is not applicable to the industry.

Purchases of materials and fuel, 1954

Larger establishments in the United Kingdom

TABLE 9

	Quantity	Cost
	Th. tons	£'000
Materials		
Coal for use in the manufacture of briquettes or similar fuel	1,077.7	3,596
Pitch	100.4	903
All other purchased materials	..	70
Fuel and electricity		
Coal	25.6	86
Coke	-	-
Liquid fuels (including creosote/pitch mixtures)	Th. gal.	
Motor spirit (petrol) for use in road vehicles and deriv. fuel	{ 10.3	2
Other	{ ..	1
Other	-	-
Gas purchased	Th. therms	
From Gas Boards	..	1
From other sources, including other departments of the same firms	-	-
Electricity purchased (a)	Th. kWh.	
From Electricity Boards	8,627	39
From other sources, including other departments of the firms	{ 2,099	9
All other purchased fuel	{ ..	6
		9
Total Cost		4,722

(a) No electricity was generated in firms' own establishments in this industry in 1954.

MANUFACTURED FUEL

Average number of employees, and wages, salaries
and superannuation payments

Larger establishments in the United Kingdom

TABLE 10

	1951	1954
	Number	Number
Average number of employees		
Operatives	1,363	1,142
Administrative, technical and clerical employees	81	83
Total	1,444	1,225
	£'000	£'000
Wages and salaries paid to		
Operatives	560	528
Administrative, technical and clerical employees	39	49
Total	599	577
	£	£
Wages and salaries per head		
Operatives	411	462
Administrative, technical and clerical employees	481	587
		£'000
Superannuation and other pension funds for employees and dependents (a)		
Employers' contributions	..	6
Employees covered	..	52
		£'000
Pension, etc. payments to former employees and dependents	..	-

(a) The figures given relate to larger establishments in Great Britain only.

Employment in a specified week (a)

Larger establishments in the United Kingdom

TABLE 11

	Number					
	1951			1954		
	Males	Females	Total	Males	Females	Total
Working proprietors	4	-	4	4	-	4
Operatives	1,337	1	1,338	1,176	-	1,176
Administrative, technical and clerical employees	68	12	80	71	7	78
Total employees	1,405	13	1,418	1,247	7	1,254

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

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