



BOARD OF TRADE

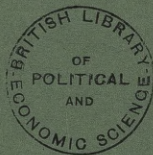
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FINAL REPORT
on the
CENSUS OF PRODUCTION
FOR 1948

Volume 1

Trade N

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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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 Od. NET

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* Not applicable to this trade

MANUFACTURED FUEL TRADE

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

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

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

MANUFACTURED FUEL TRADE

Summary

Larger establishments

TABLE 1

	1948	1935
Gross output (production)	£'000 4,858	£'000 739
Cost of materials and fuel used	3,790	585
Payment for work done on materials given out	2	-
Net output	1,066	154
Wages and salaries of persons employed	507	..
Average number of persons employed	NO. 1,443(a)	NO. 832
Net output per person employed	£ 739	£ 185
Stocks at end of year	£'000	£'000
Finished products and work in progress	51	..
Materials and fuel	147	..
Number of establishments	NO. 29	NO. 9

(a) 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	1935
Output of firms in this trade	£'000	£'000
Total value of sales (1948) or production (1935)		
Principal products (see Table 8)	4,828	739
Other output (see Table 10)	16	-
Adjustment for changes in stocks and work in progress (see Table 14)	+ 25	
	4,869	739
Less payment for transport by other firms	11	
Gross output (production)	4,858	739
Materials and fuel used by firms in this trade		
Purchases (see Table 13)	3,822	585
Adjustment for changes in stocks (see Table 14)	- 32	
Materials and fuel used	3,790	585

Summary, 1948

Small firms in Great Britain

TABLE 2

Number of returns	18
Average number of persons employed (a)	
Males	91
Females	6
Total	97

(a) Including working proprietors.

Estimated average employment, 1948

All firms in Great Britain

TABLE 3

As returned by firms	
Employing on average more than ten persons (a)	1,443
Employing on average ten persons or less (b)	97
	1,540
Estimated average employment in firms not making satisfactory returns	10
Estimated average employment in all firms	1,550

(a) See Tables 1 and 15.

(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	9	611	149	161	47	7	54	925
25- 49	15	1,368	297	532	154	21	175	558
50- 99	2	233	48	105	34	2	35	456
100-199	1	593	160	120	35	8	43	1,331
200 and over	2	2,053	413	525	188	12	200	786
Total	29	4,858	1,066	1,443	457	50	507	739

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	1	91	27	2.6	19	7	-	7
North Midland	2	225	54	5.0	84	26	2	28
Midland	1	150	58	5.5	42	12	2	14
East and West Ridings of Yorkshire; London and S. Eastern; and North Western	10	764	157	14.7	284	78	14	92
Total England	14	1,230	296	27.8	429	123	18	141
Wales	9	3,294	680	63.8	869	292	28	320
Scotland	6	334	90	8.5	145	41	4	45
Great Britain	29	4,858	1,066	100.0	1,443	457	50	507

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			1935 Production	
	Quantity	Value	Entries	Quantity	Value
	Th. tons	£'000	No.	Th. tons	£'000
Manufactured fuel of which coal is the chief constituent	1,363	4,819	31	829	739
Other manufactured fuel	2	8	..		
Briquette smash (a)	2	4	..		
Waste products	..	1	..	-	-
Total		4,833	..		739
Less sales (or production) in other trades (see Table 9)		5	..		-
Total principal products of this trade sold or made by establishments in the trade		4,828	29		739

(a) So far as recorded separately.

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

Larger establishments

TABLE 9

	1948 Sales			1935 Production	
	Quantity	Value	Entries	Quantity	Value
	Th. tons	£'000	No.	Th. tons	£'000
Manufactured fuel of which coal is the chief constituent	1	5	..	-	-
Total		5	..		-

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

The total value of the sales in the trade of other than principal products was £16,000 (5,000 tons) for tar refined (including mixtures) containing not more than ten per cent. of bitumen or other added materials. In 1935 there was no production of other than principal products.

Analysis of sales, 1948

Larger establishments in Great Britain

TABLE 11

	Sales	Percentage of total sales
	£'000	
Manufacturers, repairers, builders, mines, public utilities, and transport and other productive undertakings, including productive works under the same control	1,041	21.5
Wholesalers, merchants and other agents for resale, including wholesale or selling organisations under the same control	3,651(a)	75.4
Retailers, including multiple shops and retail shops under the same control, caterers and N.A.A.F.I., for resale and members of the public, including employees	150	3.1
His Majesty's Government and Local Authorities (other than productive establishments)	2	-
Total	4,844	100.0

(a) Recorded as divided between £816,000 for export and £2,836,000 for other sales.

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

TABLE 12

		Production (b) (c)	Exports	Retained imports
		Th. tons	Th. tons	Th. tons
Manufactured fuel	{ 1948	1,368	200	-
	{ 1935	829	707	-

(a) Figures of sales (or production) refer only to larger establishments in the relevant years. 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 1935.

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

Purchased materials and fuel

Larger establishments

TABLE 13

	1948		1935	
	Materials and fuel purchased		Usage of purchased materials and fuel	
	Quantity	Cost	Quantity	Cost
Materials	Th. tons	£'000	Th. tons	£'000
Coal for use in the manufacture of briquettes or similar fuel	1,297	2,791	807.8	373(a)
Pitch	138	839		
Other purchased materials	..	86		
Fuel and electricity				
Coal for use as fuel	18	45		
Motor spirit (petrol) and derv. fuel	Th. galls.			
Used for power purposes other than for road vehicles	23	2	..	212
Electricity purchased	Th. B. T. U. (kw. hrs.)			
	9,161	35		
Electricity obtained from other works under the same ownership	3,758	10		
	..	4		
All other purchased fuel	..	9(b)		
Total		3,822		585

(a) Including coal for use as fuel.

(b) Including gas, and motor spirit used for road vehicles.

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	..	£'000 26	..	£'000 50
Work in progress		-		-
Total finished products and work in progress		26		51
Materials and fuel	Th. tons		Th. tons	
Coal for all purposes	21	39	23	45
Other descriptions of materials and fuel	..	76	..	101
Total materials and fuel		115		147

Employment and remuneration (a)

Larger establishments

TABLE 15

	Average number of operatives		Administrative, technical and clerical employees (b)		Total	
	1948	1935	1948	1935	1948	1935
Males						
Under 18	23	21	3	-	26	21
All ages	1,324	793	100	32	1,424	825
Females						
Under 18	-	-	2	-	2	-
All ages	2	4	12	3	14	7
Total						
Under 18	23	21	5	-	28	21
All ages	1,326	797	112(c)	35	1,438 (c) (d)	832
Total remuneration	£'000 457	..	£'000 50	..	£'000 507	..

(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 1 male 4 females
Other workers - males 1 female

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

(c) There were, in addition, 5 male working proprietors in 1948. Working proprietors are included in the 1935 figures.

(d) The employers' share of contributions to all National Insurance Schemes payable during the year in respect of these workers amounted to £12,000.

Wages and salaries paid, 1948 (a)

Larger establishments in Great Britain

TABLE 16

	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	£'000	£'000					
Operatives	457	439	28.7	22.1	22.3	26.8	100.0
Administrative, technical and clerical employees	50	47	25.1	26.4	24.0	24.5	100.0
Total	507	487	28.4	22.5	22.5	26.6	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 £2,000.

Payments for certain services, 1948
Larger establishments in Great Britain

TABLE 18

	Amount paid
	£'000
Repair and maintenance	
Of buildings	6
Of plant, machinery and vehicles	13
Unclassified	9
Hire of plant, machinery and vehicles	2
Advertising and market research	-
Payments made for research work	-
Postage, telephone, telegrams and cables	2
Commercial insurance premiums	3
Rates (excluding water rates) payable in the year	3

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	49	2	4
Vehicles	-	-	-
Total	49	2	4

Capital expenditure on building work and charges in occupation of buildings and land, 1948

Larger establishments in Great Britain

TABLE 20

	£'000
1. Capital expenditure on building work (a)	19
2. Existing buildings and land acquired	-
3. Existing buildings and land relinquished	-
4. Headings 1 and 2 less heading 3	19

(a) Excluding site value.

MANUFACTURED FUEL TRADE

1948

Summary

Larger establishments

TABLE 21

	England	Wales	Scotland	Great Britain
Gross output (production)	£'000 1,230	£'000 3,294	£'000 334	£'000 4,858
Cost of materials and fuel used	932	2,615	243	3,790
Payment for work done on materials given out	2	-	-	2
Net output	296	680	90	1,066
Wages and salaries of persons employed	141	320	45	507
Average number of persons employed	No. 429	No. 869	No. 145	No. 1,443
Net output per person employed	£ 690	£ 782	£ 624	£ 739
Stocks at end of year	£'000	£'000	£'000	£'000
Finished products and work in progress	7	39	5	51
Materials and fuel	42	97	8	147
Number of establishments	No. 14	No. 9	No. 6	No. 29

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

	England	Wales	Scotland	Great Britain
Output of firms in this trade	£'000	£'000	£'000	£'000
Total value of sales (see Table 23)	1,231	3,274	339	4,844
Adjustment for changes in stocks and work in progress	-	+ 21	+ 4	+ 25
Less payment for transport by other firms	2	-	10	11
Gross output (production)	1,230	3,294	334	4,858
Materials and fuel used by firms in this trade				
Purchases (see Table 24)	942	2,637	242	3,822
Adjustment for changes in stocks	- 10	- 23	+ 1	- 32
Materials and fuel used	932	2,615	243	3,790

Summary
Small firms

TABLE 22

	England and Wales	Scotland	Great Britain
Number of returns	15	3	18
Average number of persons employed (a)			
Males	69	22	91
Females	3	3	6
Total	72	25	97

(a) Including working proprietors.

Sales in the trade

Larger establishments

TABLE 23

	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
Principal products	Th. tons	£'000	Th. tons	£'000	Th. tons	£'000
Manufactured fuel of which coal is the chief constituent	1,271	4,480	91	335	1,362	4,815
Other manufactured fuel	2	8	-	-	2	8
Briquette smash	-	-	2	4	2	4
Waste products	..	1	-	-	..	1
Total principal products		4,489		339		4,828
Other output						
Tar refined (including mixtures) containing not more than 10 per cent. of bitumen or other added materials	5	16	-	-	5	16
Total		4,505		339		4,844

Purchased materials and fuel
Larger establishments

TABLE 24

	England and Wales		Scotland		Great Britain	
	Quantity	Cost	Quantity	Cost	Quantity	Cost
Materials	Th. tons	£'000	Th. tons	£'000	Th. tons	£'000
Coal for use in the manufacture of briquettes or similar fuel	1,213	2,610	85	182	1,297	2,791
Pitch	130	793	9	46	139	839
Other purchased materials	..	81	..	5	..	86
Fuel and electricity						
Coal for use as fuel	17	43	1	3	18	45
Motor spirit (petrol) and deriv. fuel	Th. galls.		Th. galls.		Th. galls.	
Used for power purposes other than for road vehicles	23 Th.B.T.U. (kW. hrs.)	2	-	-	23 Th.B.T.U. (kW. hrs.)	2
Electricity purchased	8,574	32	587	3	9,161	35
Electricity obtained from other works under the same ownership	3,645	9	113	1	3,758	10
All other purchased fuel	..	2	..	1	..	4
	..	7(a)	..	2	..	9(a)
Total		3,580		242		3,822

(a) Including gas, and motor spirit used for road vehicles.

Employment and remuneration

Larger establishments

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	19	3	22	4	-	4	23	3	26
All ages	1,191	92	1,283	133	8	141	1,324	100	1,424
Females									
Under 18	-	1	1	-	1	1	-	2	2
All ages	2	8	10	-	4	4	2	12	14
Total									
Under 18	19	4	23	4	1	5	23	5	28
All ages	1,193	100(b)	1,293 (b)(c)	133	12	145 (c)	1,326	112(b)	1,438 (b)(c)
Total remuneration	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000
	415	46	462	41	4	45	457	50	507

(a) Number at September 25, 1948.

(b) There were, in addition, 5 male working proprietors 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 £12,000; £11,000 for England and Wales, and £1,000 for Scotland.

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	137.9	97.8	134.1	August	88.6	88.8	88.6
February	132.8	99.4	129.6	September	95.7	92.1	95.3
March	96.8	102.7	97.4	October	100.6	98.6	100.4
April	91.7	101.1	92.6	November	103.9	115.1	105.0
May	86.7	102.7	88.3	December	103.5	107.7	103.9
June	80.4	100.3	82.3	Percentage employment in this trade covered by the index	96.7	91.5	96.2
July	81.4	93.7	82.5				

(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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