



BOARD OF TRADE

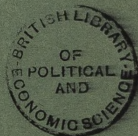
FINAL REPORT
on the
CENSUS OF PRODUCTION
FOR 1948

Volume 1

Trade E

METALLIFEROUS MINES AND QUARRIES

*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

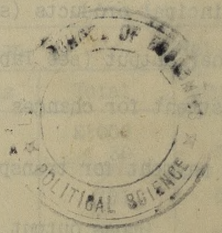
METALLIFEROUS MINES AND QUARRIES

THIS REPORT on Metalliferous Mines and Quarries relates to establishments engaged wholly or mainly in the mining of metalliferous ores (iron ore and ironstone, lead, tin, etc., ores).

This trade corresponds to minimum list headings 11 and 19 (1) in the Standard Industrial Classification.

Any establishments in Northern Ireland are excluded for both 1948 and 1935. At the 1935 Census, particulars relating to all mining and quarrying in Northern Ireland were included in the report on Non-Metalliferous Mines and Quarries (other than Coal, Salt and Slate), separate particulars for each trade not being available.

In 1948, the need to maintain the output of iron ore made it necessary for certain uneconomic mines to be kept in operation. This was achieved by means of a subsidy from public funds - the Home Ore subsidy - the amounts paid being determined after examination of working costs. Eight firms (13 establishments) in 1948 received subsidies amounting to £883,000 in aggregate. The subsidy ceased to be paid from public funds on 31st March, 1949.



MINING AND QUARRYING
METALLIFEROUS MINES AND QUARRIES

Summary

Larger establishments

TABLE 1

	1948	1935
Gross output (production)	£'000 4,755	£'000 3,059
Cost of materials and fuel used	1,475	722
Payment for work done on materials given out	-	-
Net output	3,280	2,337
Wages and salaries of persons employed	2,403 No.	.. No.
Average number of persons employed	7,273(a) £	10,850 £
Net output per person employed	451	215
Stocks at end of year	£'000	£'000
Finished products	385	..
Materials and fuel	478 No.	.. No.
Number of mines and quarries	57	85

(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) (a)		
Principal products (see Table 8)	4,707	3,022
Other output (see Table 10)	94	37
Adjustment for changes in stocks (see Table 14)	- 46	..
Less payment for transport by other firms (a)	4,755	3,059
Gross output (production)	4,755	3,059
Materials and fuel used by firms in this trade		
Purchases (see Table 13)	1,544	722
Adjustment for changes in stocks (see Table 14)	- 70	
Materials and fuel used	1,475	722

(a) Sales (or production) were recorded at pithead prices.

Summary, 1948

Small firms in Great Britain

TABLE 2

Number of returns	18
Average number of persons employed (a)	
Males	88
Females	3
Total	91

(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)	7,273
Employing on average ten persons or less (b)	91
	7,364
Estimated average employment in firms not making satisfactory returns	30
Estimated average employment in all firms	7,394

(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	
11-24	No. 7	£'000 150	£'000 114	152	£'000 45	£'000 5	£'000 50	£ 752
25-49	15	497	357	582	155	26	181	614
50-99	14	1,047	856	1,052	285	48	333	814
100-199	7	684	466	987	282	41	322	472
200-299	7	1,013	685	1,701	526	67	592	403
300-749	7	1,364	801	2,799	822	102	924	286
Total	57	4,755	3,280	7,273	2,114	289	2,403	451

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
Northern	14	1,183	676	20.6	3,234	999	77	1,076
Northern Midland	35	2,902	2,149	65.5	3,026	848	186	1,034
Southern; and South Western	8	670	455	13.9	1,013	267	25	292
Wales								
Total England and Wales	57	4,755	3,280	100.0	7,273	2,114	289	2,403
Scotland	-	-	-	-	-	-	-	-
Great Britain	57	4,755	3,280	100.0	7,273	2,114	289	2,403

Analysis according to specialisation within the trade, 1948

Larger establishments in Great Britain

TABLE 6

	Establishments	Gross output	Sales of characteristic products	Net output	Persons employed	Remuneration			Net output per person employed
						Wages	Salaries	Total	
Specialist producers of	No.	£'000	£'000	£'000	No.	£'000	£'000	£'000	£
Iron ore and ironstone	51	4,133	4,086	2,833	6,399	1,884	272	2,156	443
Other metalliferous ores	6	623	618	447	874	230	16	247	512
Total	57	4,755	3,280	3,280	7,273	2,114	289	2,403	451

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	Average metal content	Value (a)	Entries	Quantity	Value (a)
Iron ore and ironstone	Th. tons	Per cent.	£'000	No.	Th. tons	£'000
Hematite						
Crude, dressed or ground	320.0	50	560	6	1,042.2	690
Other	..	..	71	..	..	..
Crude	10,635.3	28	2,833	38	9,368.0	1,561
Dressed or ground	1,468.4	31	586	12	456.7	101
	56.6	..	36	..	..	..
Total iron ore and ironstone	12,423.7	29	3,979	..	10,866.9	2,352
	56.6	..	36	..	..	..
	..	..	71	..	..	..
Lead ore, crude, dressed or ground	3.6	..	205	9	54.5	342
Tin ore						
Crude	-	-	-	-	2.9	375
Dressed or ground	0.9	57	251	..	..	..
	0.3	..	203	..	..	..
Other metalliferous ores (including arsenic soot and white arsenic)	0.1	..	20	..	3.3	36
Waste products	..	..	3	6	..	(b)
Total			4,768	..		3,105
Less sales (or production) in other trades			61	..		83
Total principal products of this trade sold or produced by establishments in the trade			4,707	51		3,022

(a) At pithead prices.

(b) Not recorded separately.

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

The total values of the sales (or production) by establishments classified to other trades amounted to £61,000 in 1948 and £83,000 in 1935.

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

The total values of the sales (or production) of other than principal products amounted to £94,000 in 1948 and £37,000 in 1935.

Analysis of sales, 1948

Larger establishments in Great Britain

TABLE 11

	Sales	Percentage of total sales
Sales (or transfers) to other organisations under the same control	£'000	
Productive works	2,796	58.2
Export sales organisations (including branches abroad)	-	-
Other wholesale or selling organisations	-	-
Retail shops, etc.	-	-
Total sales (or transfers) to other organisations under the same control	2,796	58.2
Sales to independent buyers		
Exports invoiced directly overseas	2	-
Exports invoiced to Crown Agents and purchasing houses in this country of individual firms and governments abroad	-	-
His Majesty's Government and Local Authorities (other than productive establishments)	145	3.0
Manufacturers, repairers, builders, mines, public utilities, and transport and other productive undertakings	1,284	26.7
Wholesalers, merchants and other agents for resale	504	10.5
Retailers, including multiple shops, caterers and N.A.A.F.I., for resale	-	-
Other businesses (including farmers) and institutions of all kinds	-	-
Members of the public, including employees	-	-
Unclassified	71	1.5
Total sales to independent buyers	2,006	41.8
Total	4,802	100.0

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

TABLE 12

		Production (b)(c)	Exports	Retained imports
		Th. tons	Th. tons	Th. tons
Iron ore and ironstone	1948	12,520.0 (d)	0.6	8,729.1
	1935	10,866.9	0.8	4,546.9
Lead ore, crude, dressed or ground	1948	3.6	-	0.2
	1935	54.5	17.1	-
Tin ore, crude, dressed or ground	1948	1.2	-	48.4
	1935	2.9	-	44.1

(a) Figures of sales (or production) refer only to larger establishments in Great Britain. 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.

(d) Partly estimated.

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. lbs.	£'000		£'000
Explosives for blasting	2,041	130	}	426(a)
Consumable tools	..	38		
Replacement parts for machinery	..	215		
All other purchased materials	..	551		
Fuel and electricity	Th. tons		Th. tons	
Coal	123.0	340	186.4	170
Coke	9.1	19	6.7	4
Electricity purchased (b)	Th. B.T.U. (kW. hrs.)		Th. B.T.U. (kW. hrs.)	
From public supply	39,638	179	}	46,880
From other sources	12,084	43		
Electricity obtained from other works under the same ownership				122
Motor spirit (petrol) and derv. fuel	Th. galls.			
Used for road vehicles	44	4	}	
Used for other power purposes	159	9		
Other oil fuel (including creosote/pitch mixtures)	394	17		
Gas purchased				
From public supply	-	-	}	.. (c)
From other sources	-	-		
Gas obtained from other works under the same ownership	-	-		
All other purchased fuel	..	-		
Total		1,544		722

(a) Including fuel not specified separately.

(b) The total quantity of electricity consumed in 1948 was 52,775,000 B.T. units including 1,053,000 generated in the same works.

(c) Not recorded separately.

Stocks of finished products and 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	Th. tons	£'000	Th. tons	£'000
Iron ore and ironstone	921.1	352	822.4	317
Other finished products	..	80	..	69
Total finished products		432		385
Materials and fuel		409		478

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	239	476	15	15	254	491
All ages	6,609	10,280	563	514	7,172	10,794
Females						
Under 18	4	-	13	7	17	7
All ages	23	16	78	40	101	56
Total						
Under 18	243	476	28	22	271	498
All ages	6,632	10,296	641(c)	554	7,273 (c) (d) (e)	10,850
Total remuneration	£'000 2,114	..	£'000 289	..	£'000 2,403	..

(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	4 males	17 females
Other workers	60 males	25 females

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

(c) No working proprietors were recorded for 1948.

(d) The employers' share of contributions to all National Insurance Schemes payable during the year in respect of these workers amounted to £57,000.

(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	-	*

* Negligible

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	2,114	782	23.4	24.7	25.3	26.6	100.0
Administrative, technical and clerical employees	289	127	24.5	24.6	25.3	25.6	100.0
Total	2,403	910	23.5	24.7	25.3	26.5	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 recorded for work done on materials given out was less than £500.

Payments for certain services, 1948

Larger establishments in Great Britain

TABLE 18

	Amount paid
Repair and maintenance	£'000
Of buildings	16
Of plant, machinery and vehicles	39
Unclassified	8
Hire of plant, machinery and vehicles	45
Advertising and market research	1
Payments made for research work	-
Postage, telephone, telegrams and cables	7
Commercial insurance premiums	24
Rates (excluding water rates) payable in the year	66

Note - Mining royalties payable by establishments in this trade, together with notional rent as determined for Mineral Rights Duty, amounted to £420,000.

Plant, machinery and vehicles acquired and disposed of, 1948

Larger establishments in Great Britain

TABLE 19

	Acquisitions		Disposals
	New	Second-hand	
Plant and Machinery	£'000 245	£'000 64	£'000 8
Vehicles	55	3	-
Total	300	67	8

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

Larger establishments in Great Britain

TABLE 20

	£'000	£'000
Capital expenditure on building work (a)		11
2. Existing buildings and land (b)		
(1) Capital cost of freeholds bought	62	
Estimated capital value of		
(11) Rented property newly occupied in the year	-	
(111) Leasehold buildings and land newly occupied in the year	-	
Total of heading 2		62
Total of headings 1 and 2		73
3. Existing buildings and land relinquished (c)		
(1) Selling value of freeholds sold	11	
(11) Estimated value of other properties relinquished	-	
Total of heading 3		11
4. Headings 1 and 2 less heading 3		62

- (a) Excluding site value which, where appropriate, is included in heading 2(1).
 (b) The figures do not reflect changes in ownership of previously occupied land and buildings.
 (c) Including property destroyed or abandoned.

1948

Note - There were no establishments in Scotland in the register for this trade. Owing to the risk of disclosure of information relating to individual firms separate particulars for larger establishments in Wales cannot be given.

TABLE 21 - Summary: Larger establishments

See Table 1.

TABLE 22 - Summary: Small firms

See Table 2. There were no small firms in Wales or Scotland in the register for this trade.

Sales in the trade

Larger establishments

TABLE 23

	England and Wales	
	Quantity	Value (a)
Principal products	Th. tons	£'000
Iron ore and ironstone		
Hematite, crude, dressed or ground	320.0	560
Other	..	71
Crude	10,635.3	2,833
Dressed or ground	1,525.0	622
Total iron ore and ironstone	12,480.3	4,015
All other metalliferous ores (including arsenic soot and white arsenic)	..	618
Waste products	..	3
Total principal products		4,707
Other output	..	94
Total		4,802

(a) At pithead prices.

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 1948 = 100)

TABLE 26

Month	Monthly index (a)	Month	Monthly index (a)
	England and Wales		England and Wales
1948		1948	
January	98.1	August	102.2
February	98.6	September	102.4
March	99.4	October	100.2
April	98.4	November	99.9
May	99.0	December	100.0
June	99.9	Percentage employment in this trade covered by the index	37.3
July	101.7		

(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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