



BOARD OF TRADE

FINAL REPORT
on the
CENSUS OF PRODUCTION
FOR 1948

Volume 1

Trade D

SLATE QUARRIES AND MINES

*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

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* Not applicable to this trade

SLATE QUARRIES AND MINES

THE REPORT on this trade relates to establishments engaged wholly or mainly in the quarrying or mining of slate.

This trade corresponds to minimum list heading 13 in the Standard Industrial Classification.

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



MINING AND QUARRYING
SLATE QUARRIES AND MINES

Summary

Larger establishments

TABLE 1

	1948	1935
	£'000	£'000
Gross output (production)	2,094	1,666
Cost of materials and fuel used	158	121
Payment for work done on materials given out	-	-
Net output	1,936	1,545
Wages and salaries of persons employed	1,489	..
Average number of persons employed	No. 5,017 (a)	No. 9,598
Net output per person employed	£ 386	£ 161
Stocks at end of year	£'000	£'000
Finished products	94	..
Materials and fuel	49	..
Number of quarries or mines	No. 30	No. 45

(a) For 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
	£'000	£'000
Output of firms in this trade		
Total value of sales (1948) or production (1935) (a)		
Principal products (see Table 8)	2,072	1,652
Other output (see Table 10)	17	14
Value of transport of quarry products carried out by firms' own employees	10	
Adjustment for changes in stocks (see Table 14)	- 6	
	2,094	1,666
Less payment for transport by other firms	-	
Gross output (production)	2,094	1,666
Materials and fuel used by firms in this trade		
Purchases (see Table 13)	163	121
Adjustment for changes in stocks (see Table 14)	- 5	
Materials and fuel used	158	121

(a) Sales of quarry products in 1948 were recorded at "ex-quarry" prices.

Summary, 1948

Small firms in Great Britain

TABLE 2

Number of returns	7
Average number of persons employed (a)	
Males	32
Females	-
Total	32

(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)	5,017
Employing on average ten persons or less (b)	32
	5,049
Estimated average employment in firms not making satisfactory returns	-
Average employment in all firms	5,049

(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	8	65	56	156	45	4	50	362
25-49	6	73	67	197	58	4	62	340
50-99	5	154	135	345	97	11	108	392
100-199	7	431	377	1,022	275	27	302	369
200 and over	4	1,371	1,301	3,297	910	58	968	394
Total	30	2,094	1,936	5,017	1,385	104	1,489	386

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
Wales	18	1,808	1,700	87.8	4,404	1,211	85	1,296
England								
North Western	4	139	120	6.2	283	89	8	97
Northern; and South Western	8	147	116	6.0	330	85	11	96
Scotland								
Great Britain	30	2,094	1,936	100.0	5,017	1,385	104	1,489

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 quantity of slate quarried or mined, 1948: Larger establishments

The total quantity of slate raised in 1948 was 130,000 tons. The quantity raised in 1935 was not recorded at the Census of Production, but the Report of the Secretary for Mines recorded 302,906 tons as having been raised in that year.

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(a)	Entries	Quantity		Value
	Thous.	Tons	£'000	No.	Tons	£'000	
Slates for roofing	28,564	44,902	816	30	248,620	1,622	
	..	57,079	1,064				
Slates for damp courses	4,215	3,285	35	19			
	..	4,808	72				
Slate slabs (including dressed or partially prepared slabs sold for further processing, but excluding other finished slate goods)	..	2,265	28	11	5,070	22	
Slate granules and flour, and waste products	57	8(b)	
Total			2,072	..		1,652	
Less sales (or production) in other trades			-	-		-	
Total principal products of this trade sold or made by establishments in the trade			2,072	30		1,652	

(a) "Ex-quarry" prices.

(b) So far as recorded separately.

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

Larger establishments

No sales (or production) of the principal products of this trade by establishments classified to other trades were recorded for 1948 or 1935.

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

Larger establishments

The total values of sales in 1948 and of production in 1935 of other than principal products amounted to £17,000 and £14,000 respectively.

Analysis of sales, 1948

Larger establishments in Great Britain

TABLE 11

	Sales	Percentage of total sales
	£'000	
Sales (or transfers) to other organisations under the same control	-	-
Sales to independent buyers		
Exports invoiced directly overseas	2	0.1
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)	-	-
Manufacturers, repairers, builders, mines, public utilities, and transport and other productive undertakings	100	4.8
Wholesalers, merchants and other agents for resale	1,936(a)	92.7
Retailers, including multiple shops, caterers and N.A.A.F.I., for resale	-	-
Other businesses (including farmers) and institutions of all kinds	1	-
Members of the public, including employees	3	0.1
Unclassified	47	2.3
Total	2,090	100.0

(a) Of this total £1,919,000 was recorded as divided between £6,000 for export and £1,913,000 for other sales.

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

TABLE 12

	Production (b)	Exports	Retained imports
	Tons	Tons	Tons
Slates for roofing	1948 101,981 1935 248,620(c)	683 2,749	9,341 32,064
Slate slabs (including dressed or partially prepared slabs for further processing, but excluding other finished slate goods)	1948 2,265	..	2,265

(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 slates for damp courses.

Purchased materials and fuel

Larger establishments

TABLE 13

	1948		1935	
	Materials and fuel purchased		Usage of purchased materials and fuel	
	Quantity	Cost	Quantity	Cost
	Th. lbs.	£'000		£'000
Materials				
Explosives for blasting	244.4	15	..	68(a)
Consumable tools	..	7		
Replacement parts for machinery	..	28		
Packing materials	..	13		
All other purchased materials	..	36		
Fuel and electricity	Th. tons		Th. tons	
Coal	5.2	16	12.1	17
Coke	0.1	1	0.1	-
Electricity purchased (b)	Th. B.T.U. (kW.hrs.) 8,040	33	Th. B.T.U. (kW.hrs.) 7,576	32
Electricity obtained from other works under the same ownership	-	-	-	-
Motor spirit (petrol) and derv. fuel	Th. galls.		Th. galls.	
Used for road vehicles	25	3	..	(c)
Used for other power purposes	68	5		
Other oil fuel (including creosote/pitch mixtures)	102	4	192	4(d)
Gas purchased	Th. therms.	-	..	(c)
Gas obtained from other works under the same ownership	-	-		
All other purchased fuel	..	2		
Total		163		121

(a) Including fuel not specified separately.

(b) The total quantity of electricity consumed in 1948 was 9,783,000 B.T. units including 1,743,000 generated in the same works.

(c) Not recorded separately.

(d) Described as "Heavy fuel oil".

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	Tons	£'000	Tons	£'000
Slates for roofing	7,976	95	7,650	91
Other finished products	..	5	..	4
Total finished products		100		94
Materials and fuel		44		49

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	189	635	3	3	192	638
All ages	4,777	9,319	219	271	4,996	9,590
Females						
Under 18	-	-	2	-	2	-
All ages	3	3	17	5	20	8
Total						
Under 18	189	635	5	3	194	638
All ages	4,780	9,322	236(c)	276	5,016(c) (d) (e)	9,598
Total remuneration	£'000	..	£'000	..	£'000	..
	1,385	..	104	..	1,489	..

(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 - females
Other workers 24 males 1 female
* Negligible

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

(c) There was, in addition, 1 male working proprietor 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 £43,000.

(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	1,385	950	23.8	23.8	27.5	24.9	100.0
Administrative, technical and clerical employees	104	61	24.7	23.9	25.2	26.2	100.0
Total	1,489	1,011	23.8	23.8	27.4	24.9	100.0

(a) Including bonus and commission payments.

TABLE 17 - Payments for work done on materials given out, 1948

Larger establishments in Great Britain

No payments for work done on materials given out were recorded.

Payments for certain services, 1948

Larger establishments in Great Britain

TABLE 18

	Amount paid
	£'000
Repair and maintenance	
Of buildings	1
Of plant, machinery and vehicles	9
Hire of plant, machinery and vehicles	1
Advertising and market research	
Advertising in newspapers, magazines and periodicals	2
Other advertising services (poster display, despatch of circulars, etc.) and market research	-
Payments made for research work	-
Postage, telephone, telegrams and cables	4
Commercial insurance premiums	18
Rates (excluding water rates) payable in the year	15

Note - Mining royalties payable by establishments in this trade, together with notional rent as determined for Mineral Rights Duty, amounted to £24,000.

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	47	16	2
Vehicles	11	2	2
Total	58	18	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 (a)		4
2. Existing buildings and land (b):		
(1) Capital cost of freeholds bought	-	
Estimated capital value of		
(11) Rented property newly occupied in the year (c)	-	
(111) Leasehold buildings and land newly occupied in the year	63	
Total of heading 2		63
Total of headings 1 and 2		67
3. Existing buildings and land relinquished (d)		
(1) Selling value of freeholds sold	1	
(11) Estimated value of other properties relinquished	-	
Total of heading 3		1
4. Headings 1 and 2 less heading 3		66

- (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) Property which is occupied under an agreement for the payment of rent without the purchase of a lease or the payment of a premium.
 (d) Including property destroyed or abandoned.

1948

Note - Owing to the risk of disclosure of information relating to individual firms separate particulars for Scotland cannot be given.

Summary
Larger establishments

TABLE 21

	England and Scotland	Wales	Great Britain
	£'000	£'000	£'000
Gross output (production)	286	1,808	2,094
Cost of materials and fuel used	50	108	158
Payment for work done on materials given out	-	-	-
Net output	236	1,700	1,936
Wages and salaries of persons employed	193	1,296	1,489
Average number of persons employed	No. 613	No. 4,404	No. 5,017
Net output per person employed	£ 384	£ 386	£ 386
Stocks at end of year	£'000	£'000	£'000
Finished products	29	66	94
Materials and fuel	8	40	49
Number of quarries or mines	No. 12	No. 18	No. 30

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

	England and Scotland	Wales	Great Britain
	£'000	£'000	£'000
Output of firms in this trade			
Total value of sales (a) (see Table 23)	267	1,823	2,090
Value of transport of quarry products carried out by firms' employees (a)	8	2	10
Adjustment for changes in stocks and work in progress	+ 11	- 17	- 6
Less payment for transport by other firms	286	1,808	2,094
Gross output (production)	286	1,808	2,094
Materials and fuel used by firms in this trade			
Purchases	52	112	163
Adjustment for changes in stocks	- 1	- 4	- 5
Materials and fuel used	50	108	158

(a) Sales of quarry products were recorded at "ex-quarry" prices.

Summary

Small firms

TABLE 22

	England and Scotland	Wales	Great Britain
Number of returns	5	2	7
Average number of persons employed (a)			
Males	18	14	32
Females	-	-	-
Total	18	14	32

(a) Including working proprietors.

Sales in the trade
Larger establishments

TABLE 23

	Great Britain		
	Quantity		Value (a)
	Thous.	Tons	£'000
Principal products			
Slates for roofing	28,564	44,902	816
	..	57,079	1,064
Slates for damp courses	4,215	3,285	35
	..	4,808	72
Slates slabs (including dressed or partially prepared slabs sold for further processing, but excluding other finished goods)	..	2,265	28
Slate granules and flour, and waste products	57
Total principal products			2,072
Other output			17
Total			2,090

(a) "Ex-quarry" 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)
	Great Britain		Great Britain
1948		1948	
January	100.4	August	99.6
February	100.1	September	99.9
March	99.9	October	100.2
April	99.8	November	100.2
May	100.0	December	99.6
June	100.3	Percentage employ- ment in this trade covered by the index	69.3
July	100.0		

(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 calendar year 1948.

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