



BOARD OF TRADE

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FINAL REPORT  
on the  
CENSUS OF PRODUCTION  
FOR 1948

Volume 1

Trade B

NON-METALLIFEROUS MINES AND QUARRIES  
(OTHER THAN COAL, SALT AND SLATE)

*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

NON-METALLIFEROUS MINES AND QUARRIES (OTHER THAN COAL, SALT AND SLATE)

1/B/1

NON-METALLIFEROUS MINES AND QUARRIES  
(OTHER THAN COAL, SALT AND SLATE)

THIS REPORT relates to establishments engaged wholly or mainly in the mining and quarrying of non-metalliferous minerals (other than coal, salt or slate) and such ancillary operations as cleaning, washing, grading, etc., normally carried out at mines or quarries. Establishments similarly engaged in oil mining, oil shale mining and oil shale retorting are included.

This trade corresponds to minimum list headings 12, 14, 19(3) and 19(4) in the Standard Industrial Classification.

Quarries producing brickearth, clay, etc. owned by firms manufacturing brick and fireclay products were, in the main, returned in the Brick and Fireclay Trade in 1948 and 1935. Some firms, however, made separate returns for their different undertakings. The proportion of undertakings making separate returns differed in these two years and there was a similar inconsistency in the treatment of quarries owned by firms manufacturing china and earthenware and cement; figures for 1948 and 1935 are not therefore, exactly comparable.

Establishments in this trade in Northern Ireland are excluded in 1948. At the 1935 Census, particulars relating to all mining and quarrying in Northern Ireland were included in the report on this trade, separate particulars not being available.

MINING AND QUARRYING  
NON-METALLIFEROUS MINES AND QUARRIES  
(OTHER THAN COAL, SALT AND SLATE)

Summary

Larger establishments

TABLE 1

	1948(a)	1935(b)
	£'000	£'000
Gross output (production)	41,440	13,574
Cost of materials and fuel used	11,864	3,471
Payment for work done on materials given out	165	-
Net output	29,412	10,103
Wages and salaries of persons employed	15,319	..
Average number of persons employed	45,367(c)	52,664
Net output per person employed	648	192
Stocks at end of year	£'000	£'000
Finished products	1,281	..
Materials and fuel	1,909	..
Number of establishments	No. 1,066	No. 1,495

(a) Great Britain only.

(b) United Kingdom.

(c) 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
	£'000	£'000
Output of firms in this trade		
Total value of sales (1948) or production (1935)		
Principal products (see Table 8)	35,921(a)	12,598
Other output (see Table 10)	2,816	975
Adjustment for changes in stocks (see Table 14)	+ 418	
Estimated value of transport of quarry products carried out by firms' own employees	2,400(a)	
Less payment for transport by other firms in connection with work done	41,555	} 13,574
	115(a)	
Gross output (production)	41,440	13,574
Materials and fuel used by firms in this trade		
Purchases (see Table 13)	12,305	} 3,471
Adjustment for changes in stocks (see Table 14)	- 442	
Materials and fuel used	11,864	3,471

(a) Sales of quarry products were recorded at "ex-quarry" prices; payments for transport by other firms of goods sold were not ascertained.

Summary, 1948

Small firms in Great Britain

TABLE 2

Number of returns	1,014
Average number of persons employed (a)	
Males	5,360
Females	169
Total	5,529

(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)	45,367
Employing on average ten persons or less (b)	5,529
	50,896
Estimated average employment in firms not making satisfactory returns	638
Estimated average employment in all firms	51,534

(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	472	7,207	5,617	8,106	2,184	428	2,612	693
25-49	349	10,303	7,644	11,846	3,332	556	3,888	645
50-99	166	9,724	7,104	11,235	3,274	550	3,824	632
100-199	59	7,619	5,205	8,062	2,498	358	2,856	646
200-299	13	3,933	1,905	3,161	960	115	1,075	603
300 and over	7	2,654	1,936	2,957	843	222	1,065	655
Total	1,066	41,440	29,412	45,367	13,091	2,229	15,319	648

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	105	3,516	2,484	8.4	4,188	1,200	168	1,368
East and West Ridings of Yorkshire	67	1,840	1,366	4.6	1,948	559	89	649
North Midland	105	5,836	4,213	14.3	5,764	1,703	311	2,014
Eastern	59	1,681	1,333	4.5	1,657	460	120	580
London and South Eastern	67	2,506	1,945	6.6	2,321	681	195	876
Southern	40	941	744	2.5	1,205	327	62	390
South Western	181	7,697	5,556	18.9	8,833	2,576	419	2,995
Midland	87	2,864	2,091	7.1	3,295	943	186	1,129
North Western	69	3,152	2,142	7.3	3,243	931	242	1,173
Total England	780	30,032	21,874	74.4	32,454	9,380	1,792	11,172
Wales	111	3,826	2,966	10.1	4,823	1,376	192	1,568
Scotland	175	7,582	4,573	15.5	8,090	2,335	245	2,579
Great Britain	1,066	41,440	29,412	100.0	45,367	13,091	2,229	15,319

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	
	No.	£'000	£'000	£'000	No.	£'000	£'000	£'000	£
Specialist producers of									
Stone	605	23,106	19,496	16,227	26,042	7,349	1,315	8,664	623
Clay, sand, gravel and chalk	399	12,188	10,731	9,377	13,452	3,899	734	4,633	697
Remainder of the trade	62	6,146		3,807	5,873	1,842	180	2,023	648
Total	1,066	41,440		29,412	45,367	13,091	2,229	15,319	648

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 (a) Sales			1935 (b) Production	
	Quantity	Value (c)	Entries	Quantity	Value
	Th. tons	£'000	No.	Th. tons	£'000
Igneous rocks					
For use as building stone (including monumental stone)					
Crude	49	52	25	127	237
Other	56	387	32		
For use as kerbs and setts					
Crude	36	27	5	219	371
Other	41	146	47		
For use as roadstone (including chippings) and ballasting					
Crude	788	277	138	7,013	1,848
Other					
Dry	5,570	3,375	192		
Tarred (d)	1,875	2,328	129	1,853	976
For artificial stone (including concrete blocks, slabs, etc.)					
Crude	20	4	6	300	76
Other	348	194	40		
For all other purposes	322	197	26	116	28
Total igneous rocks	9,105	6,988	..	9,628	3,536
Limestone or dolomite					
For fluxing in blast furnaces					
Crude	1,627	571	78	2,199	351
Other	788	317	37		
For use as refractory materials					
Crude	233	104	13	392	69
Other	425	1,653	12		

TABLE 8 (contd.)

	1948 (a) Sales			1935 (b) Production	
	Quantity	Value (c)	Entries	Quantity	Value
	Th. tons	£'000	No.	Th. tons	£'000
Limestone or dolomite (contd.)					
For the manufacture of lime (e)					
Crude	830	234	24	2,596	386
Other	248	182	22		
For the manufacture of cement					
Crude	274	79	5	155	211
Other	112	57	6		
For use as building stone (including monumental stone)					
Crude	30	14	32	155	211
Other	301	341	39		
For use as roadstone (including chippings) and ballasting					
Crude	977	311	165	3,482	725
Other					
Dry	3,162	1,737	182		
Tarred (d)	1,942	2,525	114	1,822	920
For artificial stone (including concrete blocks, slabs, etc.)					
Crude	38	10	5	139	32
Other	151	89			
For all other purposes	4,231	3,025	134	2,174	528
Total limestone or dolomite	15,370	11,250	..	12,959	3,222
Sandstone and quartzite (including ganister)					
For refractory purposes (including ganister, silica rock, silica stone and silica sand)					
Crude	362	170	18	169	75
Other	209	250	19		

TABLE 8 (contd.)

	1948 (a) Sales			1935 (b) Production	
	Quantity	Value (c)	Entries	Quantity	Value
	Th. tons	£'000	No.	Th. tons	£'000
Sandstone and quartzite (including ganister) (contd.)					
For use as building stone (including monumental stone)					
Crude	44	83	27	321	417
Other	77	318	38		
For use as kerbs, setts, flags and paving					
Crude	4	12	8	118	159
Other	29	115	19		
For use as roadstone (including chippings) and ballasting					
Crude	451	213	59	1,504	359
Other	1,035	666	58		
For artificial stone (including concrete blocks, slabs, etc.)					
Crude	38	15	7	115	24
Other	54	41	11		
For the manufacture of grindstones	5	59	11	10	37(f)
For all other purposes	57	55	14	136	58
Total sandstone and quartzite	2,364	1,997	..	2,373	1,129
Sand and gravel					
Building sand and gravel					
Crude	4,556	972	119	7,747	1,136
Other	10,816	3,325	172		
Sand for road-making and for ballast					
Crude	1,382	330	48	1,616	278
Other	752	277			
Crude	336	124	18	489	93
Other	215	141	18		

TABLE 8 (contd.)

	1948 (a) Sales			1935 (b) Production	
	Quantity	Value (c)	Entries	Quantity	Value
	Th. tons	£'000	No.	Th. tons	£'000
Sand and gravel (contd.)					
Sand for other refractory purposes	125	63	8	113	25
Glass-making sand					
Crude	43	15	8	93	21
Other	406	297	6		
Sand for artificial stone (including concrete blocks, slabs, etc.)					
Crude	45	11	8	285	39
Other	353	114	38		
Sand and gravel for all other purposes	2,348	795	80	283	61
Other	..	84			
Unclassified sand and gravel	-	-	-	2,419	314
Total sand and gravel	21,376	6,465	..	13,045	1,967
Other	..	277			
Clay, brick-earth, marl, shale, fireclay and potters' clay, etc.					
Fireclay (including sagger marl), crude and other	835	787	100	1,041	335
China clay	618	2,411	18	747	943
China stone					
Crude	64	160	..	45	71
Other	22	64	..		
Shale (other than oil shale)					
Crude	121	27	..		
Other	-	-	-		
Ball clay					
Crude	263	599	12	2,069	276
Dressed, washed or ground	9	42	6		
Potters' clay, other than crude	-	-	-		
Other clay, crude and other (including crude potters' clay)	154	123	15		
Other	..	25			

TABLE 8 (contd.)

	1948 (a) Sales			1935 (b) Production	
	Quantity	Value (c)	Entries	Quantity	Value
	Th. tons	£'000	No.	Th. tons	£'000
Clay, brick-earth, marl, shale, fire-clay and potters' clay, etc. (contd.)					
Brick-earth, crude and other	-	-	-		
Marl, crude and other	139	28	6	126	24
Total clay, brick-earth, etc.	2,224	4,242	..	4,028	1,649
Chalk					
For the manufacture of lime (e)					
Crude	38	18	8		
Other	74	76	6		
For the manufacture of cement				6,847	356
Crude	967	107	5		
Other	-	-	-		
For other purposes (roadmaking, etc.), including the manufacture of whitening	850	238	34	360	63(f)
Flint and chert, crude and other	148	118	25	57	19
Fluorspar					
Crude	14	44	6		
Other	40	247	10	25	19
Barytes and witherite					
Crude and ground, unbleached	86	398	12		
Ground, bleached	18	142	..	78	131
Gypsum, not calcined					
Crude	554	405	10		
Other	204	206	5		
Felspar, crude and other	-	-	-		
Other non-metalliferous minerals (including anhydrite, crude and other; Fuller's earth, crude and other; oil shale; crude petroleum and crude oil)	2,997	3,808	..	..	1,289
	..	436			
Total		37,499	..		13,380
Less sales (or production) in other trades (see Table 9)		1,578	..		782
Total principal products of this trade sold or made by establishments in the trade		35,921	951		12,598

(a) Great Britain only.

(b) United Kingdom.

(c) At ex-quarry prices.

(d) The quantities shown for each year represent the weight of stone prior to the addition of tar.

(e) Exclusive of the quantity raised and used at the quarry in the production of lime; particulars of the output of lime are given in Table 10.

(f) 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 (a) Sales			1935 (b) Production	
	Quantity	Value	Entries	Quantity	Value
	Th. tons	£'000	No.	Th. tons	£'000
Igneous rocks for use as roadstone (including chippings) and ballasting, dry, other than crude	90	55	..	58	12
Limestone or dolomite					
For fluxing in blast furnaces					
Crude	121	43	19	288	41
Other	104	48	9		
For the manufacture of lime					
Crude	9	3	..	424	59(c)
Other	33	13	..		
For use as building stone (including monumental stone), crude and other	6	4	..	13	7
For use as roadstone (including chippings) and ballasting					
Crude	114	37	25		
Other				164	29
Dry	93	42	18		
Tarred	39	43	8	16	4
For artificial stone (including concrete blocks, slabs, etc.)					
Crude	-	-	..	41	8
Other	15	7	..		
For all other purposes	292	256	27	932	235
Sandstone and quartzite (including ganister)					
For refractory purposes (including ganister, silica rock, silica stone and silica sand), crude and other	27	32	..	10	3
For all purposes other than refractory	55	36	..	35	13

TABLE 9 (contd.)

	1948 (a) Sales			1935 (b) Production		
	Quantity	Value	Entries	Quantity	Value	
	Th. tons	£'000	No.	Th. tons	£'000	
Sand and gravel						
Building sand and gravel	-	-	-	47	7	
Moulding and pig-bed sand	-	-	-	3	1	
Sand and gravel for all other purposes (other than for refractory purposes, road-making and ballast, glass-making and artificial stone)	89 ..	21 76	25	-	-	
Clay, brick-earth, marl, shale, fireclay and potters' clay, etc.						
Fireclay (including sagger marl), crude and other	252	194	54	974	307	
Other clay, (except china clay, china stone, shale, ball clay and potters' clay)	5	2	..	264	27	
Chalk						
For the manufacture of lime, crude and other	14	7	7	186	12	
For other purposes (road making, etc.) including the manufacture of whiting	623	112	23	-	-	
Flint and chert						
Crude	110	46	9	-	-	
Other	8	41	..	-	-	
Other non-metalliferous minerals (including fluorspar, other than crude; gypsum (not calcined), crude; and anhydrite, crude)	1,541 ..	330 131	206	9 ..	9 8	
Total		1,578	..		782	

(a) Great Britain only.

(b) United Kingdom.

(c) Including for the manufacture of cement.

## Sales (or production) in the trade of other than principal products

## Larger establishments

TABLE 10

	1948 (a) Sales		1935 (b) Production
	Quantity	Value	Value
	Th. tons	£'000	£'000
Sulphate of ammonia	18	204	121
Lime			
White lime, lump or ground, and hydrated	802	1,345	140
Hydraulic or other lime, lump or ground	13	19	51
Metalliferous ores	1 ..	53 8	21
Manufactures of concrete	..	368	93
Manufactures of bituminous products	45	78	59
Other goods (including gypsum and whiting)	..	215	67
Th. B. T. U. (kW. hrs.)			
Electricity sold	20,695	58	22
Work done (c)			
Roadmaking (d)		233	384
Other work		236	17
Total		2,816	975

(a) Great Britain only.

(b) United Kingdom.

(c) Amount charged in 1948 and amount received in 1935.

(d) Excluding the values of minerals raised and used by the firms in the work, which are included in the appropriate mineral output figures shown. The total value of the minerals raised and used in roadmaking was recorded as £168,000 for 1948; similar information is not available for 1935.

## 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		
Productive works	5,946	15.6
Export sales organisations (including branches abroad)	366	1.0
Other wholesale or selling organisations and retail shops, etc.	2,028	5.3
Total sales (or transfers) to other organisations under the same control	8,340	21.9
Sales to independent buyers		
Exports invoiced directly overseas	401	1.1
Exports invoiced to Crown Agents and purchasing houses in this country of individual firms and governments abroad	239	0.6
His Majesty's Government and Local Authorities (other than productive establishments)	5,880	15.4
Manufacturers, repairers, builders, mines, public utilities, and transport and other productive undertakings	17,463	45.8
Wholesalers, merchants and other agents for resale	4,361(a)	11.4
Retailers, including multiple shops, caterers and N.A.A.F.I., for resale	148	0.4
Other businesses (including farmers) and institutions of all kinds	1,015	2.7
Members of the public, including employees	253	0.7
Total sales to independent buyers	29,761	78.1
Total	38,101(b)	100.0

(a) Of this total £4,103,000 was recorded as divided between £454,000 for export and £3,650,000 for other sales.

(b) This total represents the total shown in Table 23 (£38,737,000), less the amount charged for road-making and other work done (£469,000) and the value of minerals raised and used in roadmaking (£168,000).

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

TABLE 12

	Production (b)(c)	Exports	Retained imports
	Th. tons	Th. tons	Th. tons
Brick-earth and clay (e)			
China clay	{ 1948 618 1935 747	336	-
Fireclay	{ 1948 1,942 1935 2,303	45	(f)
Brick-earth and other clay (including potters' clay, ball clay and shale, other than oil shale)	{ 1948 16,687(d) 1935 27,040	144	16
Flint and chert	{ 1948 148 1935 57	..	12(h)
Fluorspar	{ 1948 57(d) 1935 25	2	..
Felspar and china stone	{ 1948 86 1935 45(i)	1	15(j)
Gypsum, not calcined	{ 1948 758 1935 912(k)	..	37(k)

(a) Figures of sales (or production) refer only to larger establishments in Great Britain (1948) or the United Kingdom (1935). 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.

(e) Including brick-earth and clay raised by establishments classified to the Brick and Fireclay Trade.

(f) Included with "Brick-earth and other clay".

(g) Excluding potters' clay.

(h) Flint, unground, only.

(i) China stone only.

(j) Raw felspar only.

(k) Including alabaster.

## Purchased materials and fuel

## Larger establishments

TABLE 13

	1948 (a)		1935 (b)	
	Materials and fuel purchased		Usage of purchased materials and fuel	
	Quantity	Cost	Quantity	Cost
	Th.lbs.	£'000		£'000
Materials				
Explosives for blasting	8,267.7	541		
Hardwood	Th.cu.ft.			
	240.9	53		
Softwood	Th.stds.			
	3.6	104		
Iron and steel	Th.tons			
	8.8	221		
Limestone	108.8	52		
Other minerals (including gypsum and anhydrite, crude and dressed or ground)	..	390	..	2,511(c)
Tar and pitch	169.9	1,261		
	..	155		
Consumable tools	..	174		
Replacement parts for machinery	..	2,026		
Packing materials	..	605		
All other purchased materials	..	2,492		
Fuel and electricity			Th.tons	
Coal	447.3	1,250	501.9	521
Coke	216.8	806	64.4	70
Electricity purchased (d)	Th.B.T.U. (kW.hrs.)		Th.B.T.U. (kW.hrs.)	
From public supply	175,762	910		
From other sources	5,576	21	73,907	257
Electricity obtained from other works under the same ownership	16,759	55		
Motor spirit (petrol) and derv. fuel	Th.galls.			
Used for road vehicles	6,278	563		
Used for other power purposes	4,127	285	..	(e)

TABLE 13 (contd.)

	1948 (a)		1935 (b)	
	Materials and fuel purchased		Usage of purchased materials and fuel	
	Quantity	Cost	Quantity	Cost
	Th.galls.	£'000	Th.galls.	£'000
Fuel and electricity (contd.)				
Other oil fuel (including creosote/pitch mixtures)	5,818 Th.therms	256	5,398	112(f)
Gas purchased				
From public supply	46	2		
From other sources	-	-	..	(e)
Gas obtained from other works under the same ownership	-	-		
All other purchased fuel	..	33		
Total		12,305		3,471

(a) Great Britain only.

(b) United Kingdom.

(c) Including fuel not specified separately.

(d) The total quantity of electricity consumed in 1948 was 290,831,000 B.T. units including 92,734,000 generated in the same works.

(e) Not recorded separately.

(f) Described as "Heavy fuel oil".

Stocks of finished products 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
	Th. tons	£'000	Th. tons	£'000
Finished products				
Igneous rocks	490	180	718	287
Limestone or dolomite	302	125	424	178
Sandstone and quartzite	74	55	98	67
Sand and gravel	421	56	631	82
Clay, brick-earth, marl and shale	371	331	491	475
Other finished products	..	108	..	166
Total finished products		863		1,281
Materials and fuel		1,467		1,909

## Employment and remuneration (a)

## Larger establishments

TABLE 15

	Average number of operatives		Administrative, technical and clerical employees (b)		Total	
	1948(c)	1935(d)	1948(c)	1935(d)	1948(c)	1935(d)
	Males					
Under 18	1,412	2,174	158	147	1,570	2,321
All ages	39,961	49,155	3,951	3,073	43,912	52,228
Females						
Under 18	12	2	193	48	205	50
All ages	116	19	1,206	417	1,322	436
Total						
Under 18	1,424	2,176	351	195	1,775	2,371
All ages	40,077	49,174	5,157(e)	3,490	45,234 (e) (f) (g)	52,664
Total remuneration	£'000 13,081	..	£'000 2,229	..	£'000 15,319	..

(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	26 males	131 females
Other workers	610 males	55 females

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

(c) Great Britain only.

(d) United Kingdom.

(e) There were, in addition, 133 working proprietors (131 males and 2 females) in 1948. Working proprietors are included in the 1935 figures.

(f) The employers' share of contributions to all National Insurance Schemes payable during the year in respect of these workers amounted to £383,000.

(g) 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	377	
Maintenance and repair of firms' buildings, but not plant	35	
Research work not directly connected with current production however charged	3	33

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
	£'000	£'000					
Wages and salaries of							
Operatives	13,091	7,431	23.6	25.6	25.2	25.6	100.0
Administrative, technical and clerical employees	2,229	1,216	23.9	24.3	24.9	27.0	100.0
<b>Total</b>	<b>15,319</b>	<b>8,647</b>	<b>23.6</b>	<b>25.4</b>	<b>25.2</b>	<b>25.8</b>	<b>100.0</b>

(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 £165,000.

Payments for certain services, 1948

Larger establishments in Great Britain

TABLE 18

	Amount paid
	£'000
Repair and maintenance	
Of buildings	96
Of plant, machinery and vehicles	769
Unclassified	442
Hire of plant, machinery and vehicles	1,360
Advertising and market research	
Advertising in newspapers, magazines and periodicals	14
Other advertising services (poster display, despatch of circulars, etc.) and market research	10
Unclassified	11
Payments made for research work	
To research associations	9
To universities, institutions, academic bodies and similar agencies	3
To other commercial concerns	10
Postage, telephone, telegrams and cables	129
Commercial insurance premiums	368
Rates (excluding water rates) payable in the year	186

Note - Mining royalties payable by establishments in this trade, together with notional rent as determined for Mineral Rights Duty, amounted to £746,000.

## 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	2,777	331	216
Vehicles	557	120	66
Total	3,335	451	282

## 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)		228
2. Existing buildings and land (b)		
(1) Capital cost of freeholds bought	331	
Estimated capital value of		
(11) Rented property newly occupied in the year (c)	94	
(111) Leasehold buildings and land newly occupied in the year	192	
Total of heading 2		617
Total of headings 1 and 2		845
3. Existing buildings and land relinquished (d)		
(1) Selling value of freeholds sold	28	
(11) Estimated value of other properties relinquished	63	
Total of heading 3		91
4. Headings 1 and 2 less heading 3		754

- (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  
 Summary  
 Larger establishments

TABLE 21

	England	Wales	Scotland	Great Britain
	£'000	£'000	£'000	£'000
Gross output (production)	30,032	3,826	7,582	41,440
Cost of materials and fuel used	8,117	860	2,886	11,864
Payment for work done on materials given out	42	-	123	165
Net output	21,874	2,966	4,573	29,412
Wages and salaries of persons employed	11,172	1,568	2,579	15,319
	No.	No.	No.	No.
Average number of persons employed	32,454	4,823	8,090	45,367
	£	£	£	£
Net output per person employed	674	615	565	648
Stocks at end of year	£'000	£'000	£'000	£'000
Finished products	1,088	74	119	1,281
Materials and fuel	1,594	227	88	1,909
	No.	No.	No.	No.
Number of establishments	780	111	175	1,066

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

	England	Wales	Scotland	Great Britain
	£'000	£'000	£'000	£'000
Output of firms in this trade	£'000	£'000	£'000	£'000
Total value of sales (see Table 23) (a)	27,831	3,590	7,317	38,737
Adjustment for changes in stocks	+ 394	+ 20	+ 5	+ 418
Estimated value of transport of quarry products carried out by firms' own employees (a)	1,900	220	280	2,400
	30,125	3,830	7,602	41,555
Less payment for transport by other firms in connection with work done (a)	92	4	19	115
Gross output (production)	30,032	3,826	7,582	41,440
Materials and fuel used by firms in this trade				
Purchases (see Table 24)	8,496	911	2,898	12,305
Adjustment for changes in stocks	- 379	- 51	- 12	- 442
Materials and fuel used	8,117	860	2,886	11,864

(a) Sales of quarry products were recorded at "ex-quarry" prices; payments for transport by other firms of goods sold were not ascertained.

## Summary

## Small firms

TABLE 22

	England	Wales	Scotland	Great Britain
Number of returns	864	61	89	1,014
Average number of persons employed (a)				
Males	4,481	377	502	5,360
Females	153	6	10	169
Total	4,634	383	512	5,529

(a) Including working proprietors.

## Sales in the trade

## Larger establishments

TABLE 23

	England and Wales		Scotland		Great Britain	
	Quantity	Value(a)	Quantity	Value(a)	Quantity	Value (a)
Principal products	Th. tons	£'000	Th. tons	£'000	Th. tons	£'000
Igneous rocks						
For use as building stone (including monumental stone)						
Crude	32	26	17	26	49	52
Other	20	264	36	122	56	387
For use as kerbs and setts						
Crude	-	-	36	27	36	27
Other	9	40	32	106	41	146
For use as road stone (including chippings) and ballasting						
Crude	321	128	467	149	788	277
Other						
Dry	3,833	2,372	1,647	949	5,480	3,321
Tarred (b)	859	1,066	1,016	1,262	1,875	2,328
For artificial stone (including concrete blocks, slabs, etc.)						
Crude					20	4
Other	231	129	137	70	348	194
For all other purposes	227	143	95	54	322	197
Total igneous rocks	5,533	4,168	3,482	2,765	9,014	6,933
Limestone or dolomite						
For fluxing in blast furnaces						
Crude	..	(c)	..	(c)	1,506	528
Other	..	(c)	..	(c)	684	269
For use as refractory materials						
Crude	..	(c)	..	(c)	233	104
Other	425	1,653	-	-	425	1,653

TABLE 23 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Value(a)	Quantity	Value(a)	Quantity	Value(a)
Principal products (contd.)	Th.tons	£'000	Th.tons	£'000	Th.tons	£'000
Limestone or dolomite (contd.)						
For the manufacture of lime (d)						
Crude	821	231	-	-	821	231
Other	152	92	63	76	215	169
For the manufacture of cement						
Crude	..	(c)	..	(c)	274	79
Other	112	57	-	-	112	57
For use as building stone (including monumental stone) crude and other	324	351	-	-	324	351
For use as roadstone (including chippings) and ballasting						
Crude	856	271	7	4	863	275
Other						
Dry	2,966	1,633	104	63	3,069	1,696
Tarred (b)	1,810	2,365	93	117	1,903	2,481
For artificial stone (including concrete blocks, slabs, etc.)						
Crude	38	10	-	-	38	10
Other	136	82	-	-	136	82
For all other purposes	3,765	2,531	173	238	3,939	2,769
Total limestone or dolomite	14,006	10,201	535	552	14,541	10,754
	..	2			..	2
Sandstone and quartzite (including ganister)						
For refractory purposes (including ganister, silica rock, silica stone and silica sand), crude and other	..	(c)	..	(c)	544	388

TABLE 23 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Value(a)	Quantity	Value(a)	Quantity	Value(a)
Principal products (contd.)	Th.tons	£'000	Th.tons	£'000	Th.tons	£'000
Sandstone and quartzite (including ganister) (contd.)						
For all purposes other than refractory	..	(c)	..	(c)	1,738	1,540
Total sandstone and quartzite	2,118	1,767	163	162	2,282	1,929
Sand and gravel						
Building sand and gravel						
Crude	4,095	885	460	88	4,556	972
Other	10,345	3,171	472	154	10,816	3,325
Sand for road-making and for ballast						
Crude	2,011	563	123	44	1,382	330
Other	..	192	..	..	..	39
{					752	277
{					..	153
Moulding and pig-bed sand						
Crude	493	209	58	56	336	124
Other	..	..	..	..	215	141
Sand for other refractory purposes	125	63	-	-	125	63
Glass-making sand						
Crude	..	(c)	..	(c)	43	15
Other	..	(c)	..	(c)	406	297
Sand for artificial stone (including concrete blocks, slabs, etc.)						
Crude	45	11	-	-	45	11
Other	328	105	25	8	353	114
Sand and gravel for all other purposes	..	(c)	..	(c)	2,259	774
					..	8
Total sand and gravel	19,994	5,967	1,294	477	21,287	6,445
	..	200	..	-	..	200

TABLE 23 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Value(a)	Quantity	Value(a)	Quantity	Value(a)
Principal products (contd.)	Th. tons	£'000	Th. tons	£'000	Th. tons	£'000
Clay, brick-earth, marl, shale, fireclay and potters' clay, etc.						
Fireclay (including sagger marl), crude and other	482	478	101	115	583	594
China clay	618	2,411	-	-	618	2,411
China stone						
Crude	64	160	-	-	64	160
Other	22	64	-	-	22	64
Shale (other than oil shale), crude	..	(c)	..	(c)	121	27
Ball clay						
Crude	263	599	-	-	263	599
Dressed, washed or ground	9	42	-	-	9	42
Other clay, crude and other (including crude potters' clay)	..	(c)	..	(c)	149 ..	121 25
Marl, crude and other	139	28	-	-	139	28
Chalk						
For the manufacture of lime, crude and other (d)	98	88	-	-	98	88
For the manufacture of cement, crude	967	107	-	-	967	107
For other purposes (road-making, etc.), including the manufacture of whiting	227	127	-	-	227	127
Flint and chert, crude and other	30	31	-	-	30	31
Fluorspar, crude	14 ..	44 9	-	-	14 ..	44 9
Barytes and witherite						
Crude and ground, unbleached	..	(c)	..	(c)	86	398
Ground, bleached	18	142	-	-	18	142
Gypsum (not calcined) other than crude	204	206	-	-	204	206
Other non-metalliferous minerals (including fluorspar, other than crude; gypsum (not calcined), crude; anhydrite, crude and other; Fuller's earth, crude and other; oil shale; crude petroleum and crude oil)	709	1,712	1,341 ..	2,418 306	2,050 ..	4,130 306
Total principal products		29,053		6,868		35,921

TABLE 23 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Value(a)	Quantity	Value(a)	Quantity	Value(a)
	Th. tons	£'000	Th. tons	£'000	Th. tons	£'000
Other output						
Sulphate of ammonia	-	-	18	204	18	204
Lime						
White lime, lump or ground, and hydrated	594	1,319	8	26	602	1,345
Hydraulic or other lime, lump or ground	13	19	-	-	13	19
Metalliferous ores	1 ..	53 8	-	-	1 ..	53 8
Manufactures of concrete	..	357	..	10	..	368
Manufactures of bituminous products	12	31	33	46	45	78
Other goods (including gypsum and whiting)	..	219	..	54	..	215
Electricity sold					20,695	58
Work done (e)						
Roadmaking (f)		175		58		233
Other work		186		50		236
Total		31,421		7,317		38,737

(a) At ex-quarry prices.

(b) The quantities shown represent the weight of stone prior to the addition of tar.

(c) Owing to the risk of disclosure of information relating to individual firms separate figures cannot be given.

(d) Exclusive of the quantity raised and used at the quarry in the production of lime; particulars of the output of lime are given later in the table.

(e) Amount charged.

(f) Excluding the values of minerals raised and used by the firms in the work, which are included in the appropriate mineral output figures shown. The total value of the minerals raised and used in road-making was recorded as £168,000; £72,000 for England and Wales, and £97,000 for Scotland.

## Purchased materials and fuel

## Larger establishments

TABLE 24

	England and Wales		Scotland		Great Britain	
	Quantity	Cost	Quantity	Cost	Quantity	Cost
Materials	Th. lbs.	£'000	Th. lbs.	£'000	Th. lbs.	£'000
Explosives for blasting	7,212.4 Th. cu. ft.	465	1,055.2 Th. cu. ft.	75	8,287.7 Th. cu. ft.	541
Hardwood	230.5 ..	51 13	10.4 ..	2 3	240.9 ..	53 15
Softwood	0.8 ..	35 33	2.8 ..	69 1	3.6 ..	104 34
Iron and steel	Th. tons 8.1	201	Th. tons 0.7	20	Th. tons 8.8	221
Limestone	108.7	52	-	-	108.8	52
Other minerals (including gypsum and anhydrite, crude and dressed or ground)	..	(a)	..	(a)	..	390
Tar and pitch	119.2 ..	816 112	50.6 ..	445 43	169.9 ..	1,261 155
Consumable tools	..	146	..	28	..	174
Replacement parts for machinery	..	1,850	..	176	..	2,026
Packing materials	..	532	..	73	..	605
All other purchased materials	..	1,194	..	1,298	..	2,492
Fuel and electricity						
Coal	300.2	909	147.1	341	447.3	1,250
Coke	216.0	804	0.9	3	216.8	806
Electricity purchased	Th. B. T. U. (kW. hrs.)		Th. B. T. U. (kW. hrs.)		Th. B. T. U. (kW. hrs.)	
From public supply	152,936	791	22,826	118	175,762	910
From other sources	..	(a)	..	(a)	5,576	21
Electricity obtained from other works under the same ownership	..	(a)	..	(a)	16,759	55
Motor spirit (petrol) and derv. fuel	Th. galls.		Th. galls.		Th. galls.	
Used for road vehicles	5,684	507	594	56	6,278	563
Used for other power purposes	3,686	256	442	30	4,127	285
Other oil fuel (including creosote/pitch mixtures)	4,882	213	936	43	5,818	256

TABLE 24 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Cost	Quantity	Cost	Quantity	Cost
Fuel and electricity (contd.)	Th. therms	£'000	Th. therms	£'000	Th. therms	£'000
Gas purchased						
From public supply	44	2	1	-	46	2
From other sources	-	-	-	-	-	-
Gas obtained from other works under the same ownership	-	-	-	-	-	-
All other purchased fuel	..	27	..	6	..	33
Total		9,407		2,898		12,305

(a) Owing to the risk of disclosure of information relating to individual firms separate figures cannot be given.

## 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	1,088	135	1,223	324	23	347	1,412	158	1,570
All ages	32,599	3,449	36,048	7,362	502	7,864	39,961	3,951	43,912
Females									
Under 18	9	160	169	3	33	36	12	193	205
All ages	98	1,030	1,128	18	176	194	116	1,206	1,322
Total									
Under 18	1,097	295	1,392	327	56	383	1,424	351	1,775
All ages	32,697	4,479 (b)	37,176 (b) (c)	7,380	678 (b)	8,058 (b) (c)	40,077	5,157 (b)	45,234 (b) (c)
Total remuneration	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000
	10,756	1,984	12,740	2,335	245	2,579	13,091	2,229	15,319

(a) Number at September 25, 1948.

(b) There were, in addition, 133 working proprietors (131 males and 2 females) in Great Britain; 99 males and 2 females in England and Wales, and 32 males in Scotland.

(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 £383,000; £318,000 for England and Wales, and £66,000 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	97.0	95.2	96.6	August	100.8	101.5	101.0
February	98.0	95.8	97.5	September	100.4	101.0	100.5
March	99.5	99.0	99.4	October	100.2	100.9	100.4
April	100.8	100.2	100.6	November	100.3	101.2	100.5
May	101.0	102.0	101.2	December	100.1	99.9	100.1
June	101.3	101.3	101.3	Percentage employment in this trade covered by the index	52.1	74.6	56.3
July	100.7	101.9	101.0				

(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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