



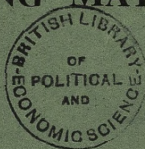
BOARD OF TRADE

FINAL REPORT
on the
CENSUS OF PRODUCTION
FOR 1948

Volume 1

Trade L

BUILDING MATERIALS



*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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THREE SHILLINGS NET

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 6d. NET

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* Not applicable to this trade

BUILDING MATERIALS

1/L/1

BUILDING MATERIALS TRADE

THIS REPORT on the Building Materials Trade relates to establishments engaged wholly or mainly in the treatment of stone (including manufacture of monumental masonry) and in the manufacture of slate goods (except slates for roofing and damp courses), prefabricated concrete products, artificial paving stone, asbestos cement goods, lime, plaster of paris, etc. The report includes three Government establishments in 1948. Firms that treated stone obtained from their own quarries are covered by the report on Non-Metalliferous Mines and Quarries (other than Coal, Salt, and Slate) (Volume 1, Trade B).

This trade corresponds to minimum list heading 29(2) in the Standard Industrial Classification together with heading 29(3) apart from manufactured fuel, roofing felts, plumbago crucibles, ceramic glazes and frits, graphite and mica goods.

Establishments in this trade in Northern Ireland (which are excluded in 1948) accounted in 1935 for less than one per cent. of the net output for the United Kingdom.

BUILDING MATERIALS TRADE

Summary

Larger establishments

TABLE 1

	1948(a)	1935(b)
	£'000	£'000
Gross output (production)	62,455	17,939
Cost of materials and fuel used	27,185	7,803
Payment for work done on materials given out	591	157
Net output	34,679	9,979
Wages and salaries of persons employed	19,721	..
Average number of persons employed	57,740(c)	37,616
Net output per person employed	£ 601	£ 265
Stocks at end of year	£'000	£'000
Finished products and work in progress	5,376	..
Materials and fuel	4,075	..
Number of establishments	No. 958	No. 801

(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)	53,898	14,484
Other output (see Table 10)	10,904	3,455
Adjustment for changes in stocks and work in progress (see Table 14)	+992	
	65,794	17,939
Less payment for transport by other firms	3,339	
Gross output (production)	62,455	17,939
Materials and fuel used by firms in this trade		
Purchases (see Table 13)	27,343	7,803
Adjustment for changes in stocks (see Table 14)	-158	
Materials and fuel used	27,185	7,803

Summary, 1948

Small firms in Great Britain

TABLE 2

Number of returns	1,889
Average number of persons employed (a)	
Males	8,242
Females	450
Total	8,692

(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)	57,740
Employing on average ten persons or less (b)	8,692
	66,432
Estimated average employment in firms not making satisfactory returns	1,586
Estimated average employment in all firms	68,018

(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	381	7,340	3,906	6,385	1,711	364	2,075	612
25-49	276	9,271	5,370	9,523	2,585	540	3,125	564
50-99	174	12,665	7,140	12,140	3,418	779	4,197	588
100-199	84	12,515	7,147	11,455	3,306	684	3,990	624
200-299	18	5,717	2,776	4,315	1,203	353	1,556	643
300-399	13	4,466	2,665	4,365	1,251	265	1,516	611
400-499	4	2,119	1,082	1,721	503	177	680	617
500 and over	8	8,362	4,613	7,836	2,040	543	2,582	589
Total	958	62,455	34,679	57,740	16,017	3,705	19,721	601

Analysis by standard region, 1948

Larger establishments in Great Britain

TABLE 5

Region	Establishments	Gross output	Net output		Persons employed	Remuneration			Net output per person employed
			Value	Percentage of total		Wages	Salaries	Total	
	No.	£'000	£'000		No.	£'000	£'000	£'000	£
England									
Northern	67	4,132	2,292	6.6	4,022	1,091	195	1,286	
East and West Ridings of Yorkshire	62	2,536	1,467	4.2	2,551	715	137	853	
North Midland	69	5,573	3,162	9.1	5,287	1,506	343	1,849	
Eastern	57	4,110	2,231	6.4	3,637	1,078	220	1,298	
London and South Eastern	214	15,354	7,976	23.0	11,773	3,458	963	4,420	
Southern	41	2,760	1,693	4.9	2,661	739	190	930	
South Western	89	3,285	1,909	5.5	3,596	957	184	1,141	
Midland	87	4,731	2,548	7.3	4,135	1,144	315	1,459	
North Western	88	11,913	6,510	18.8	10,729	2,842	736	3,578	
Total England	774	54,394	29,789	85.9	48,391	13,530	3,284	16,814	
Wales	51	2,446	1,502	4.3	3,014	818	155	973	
Scotland	133	5,615	3,389	9.8	6,335	1,669	266	1,934	
Great Britain	958	62,455	34,679	100.0	57,740	16,017	3,705	19,721	

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									
Plaster goods	22	4,051	3,641	1,809	2,159	551	174	724	838
Pre-cast concrete goods	352	17,310	16,812	10,218	19,731	5,500	1,046	6,546	518
Asbestos cement goods	18	9,158	7,900	4,776	7,725	1,979	531	2,510	618
Remainder of the trade	566	31,936		17,876	28,125	7,987	1,954	9,941	636
Total	958	62,455		34,679	57,740	16,017	3,705	19,721	601

TABLE 7 - Total make of intermediate products: Larger establishments

This table is not applicable to the trade

TREATMENT OF NON-METALLIFEROUS MINING PRODUCTS OTHER THAN COAL
**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	Entries	Quantity	Value
	Th. tons	£'000	No.	Th. tons	£'000
Granite, marble and other natural stone, dressed, polished, carved or otherwise worked					
Granite					
Masonry for building purposes	2.4	83	26	16.5	489 (d)
Masonry for monumental purposes (c)	11.0	967	90		
Other descriptions, including pavement kerbs and setts	3.7	80	9	3.6	20
Marble					
Masonry for building purposes	1.3	125	20	5.1	157
	..	53		..	82
Masonry for monumental purposes (c)	4.0	355	74	3.8	81
	..	294		..	51
Tiles and mosaic cubes	0.2	12	5	..	(e)
	..	3			
Other descriptions	0.2	33	8		
	..	26			
Other natural stone					
Masonry for building purposes	22.6	388	45	52.3	446 (f)
	..	64			
Masonry for monumental purposes (c)	11.7	434	86	4.1	39 (f)
	..	231			
Other descriptions (except abrasives)	6.4	49	16	5.2	32 (g)
	..	64			
Slate goods					
Switchboard panels	1.2	59	8	..	183 (h)
Other descriptions, except roofing slates and slates for damp courses	2.1	59	19		
	..	58			
Plaster goods					
Busts, figures, ornamental mouldings, vases, etc.	..	140	16	..	73
Wall board	Th. sq. yds. 41,239	3,531	10	..	728
Base board	7,587	574	10		
Other descriptions	..	192	9		

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TABLE 8 (contd.)

	1948 (a) Sales				1935 (b) Production	
	Quantity	Value	Entries	Quantity	Value	
	Th. sq. yds.	Th. tons	£'000	No.	Th. tons	£'000
Pre-cast concrete goods						
Flagstones and the like	7,980	839.4	2,778	194	910.8	1,363
	Th. lin. yds. 4,244	293.4	1,067	196		
Kerbs	..	43.5	157			
Pipes and tubes	..	242.2	1,270	42	141.4	431
Posts and pylons	..	81.7	808	138	40.4	97
	Millions				Millions	Th. tons
Cement and concrete bricks	17.2	14.7	30	22	21.9	58.1
	6.2	..	42		..	12
	..	..	25			
Roofing tiles						
Plain	284.2	341.4	1,494	34		
	..	37.2	167			
Single lap	27.0	78.1	566	9		
Ridge	0.8	3.3	42	26	319.6	408.0
	..	0.7	8			
Valley, hip, etc.	1.0	2.3	30	53		
	0.1	..	5			
	..	0.5	5			
Pan and patent types	0.4	0.9	6	5		
	Th. sq. yds. 872	143.4	836	129		
Floor and roof units	367	..	268			
	..	26.1	282			
	..	..	163			
Walling and partition blocks and slabs, including breeze blocks	6,074	565.4	1,884	299		
	1,006	..	258			
	..	97.4	295			
	..	..	198			
Cast stone dressings	Th. cu. ft. 1,977	125.9	1,222	102	812.5	1,688
	266	..	186		..	203
Other pre-cast concrete goods	..	862.1	6,132	268		
	1,039			
Unclassified	..	46.7	172	78		
	551			

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TABLE 8 (contd.)

	1948 (a) Sales			1935 (b) Production	
	Quantity		Value	Quantity	Value
	Th. sq. yds.	Th. tons	£'000	Th. tons	£'000
Asbestos cement goods					
Sheeting					
Flat	3,154 ..	22.3 72.2	338 966	9	
Corrugated	9,460 ..	92.7 159.0	1,264 2,246	10	
Flexible	370 ..	2.7 2.7	70 54	..	148.4 1,387(1)
Tiles	..	11.6	137	..	
Rainwater goods		Th. tons 18.1	392	6	
Flue and soil pipes		6.4	288	6	4.6 87(h)
Other descriptions		82.6	2,155	10	
Unclassified asbestos cement goods		..	138	..	-
Composition flooring (including blocks and tiles) (h)		6.9 ..	447 47	10	-
Slabbed work and other tile and mosaic work, not elsewhere specified (j)		..	2,324	98	.. 692
Mortar		234.6 ..	255 110	130	182.1 .. 97 86
Paving materials, not elsewhere specified					
Manufactured bituminous asphalt and emulsions (k)		998.5 ..	3,926 1,722	77	421.0 1,582
Crushed stone, slag, clinker, etc.		4,996.3	1,915	208	3,843.9 997
Tar macadam (including tarred slag)		2,015.4	3,091	75	2,620.8 1,835
Other		369.9 ..	838 179	77	.. 120(1)
Lime					
White lime					
Lump or ground		1,561.8	3,283	105	1,176.8 965
Hydrated		331.8	1,060	37	119.9 174

TABLE 8 (contd.)

	1948 (a) Sales			1935 (b) Production	
	Quantity	Value	Entries	Quantity	Value
	Th. tons	£'000	No.	Th. tons	£'000
Lime (contd.)					
Hydraulic and other lime					
Lump or ground	232.4	528	46	287.7	312
Hydrated	48.9	176	12	50.6	81
Chalk, prepared					
Whiting	142.3	425	25	146.8	186
Other	68.6	195	6		
Burnt gypsum, plaster of paris and gypseous cement	365.4	1,173	12	264.5	517
Ground or crushed gypsum, sold as such	327.1	392	6	26.1	22(h)
Slag wool	18.6	341	..	9.6	37(h)
Foamed slag	105.5	110	7	..	(d)
Work done for the trade or on commission including sawing, turning and other treatment of stone (m)		84	31		70
Work done on monuments not made by the firm (erection and cutting of inscriptions) (m)		287	81		120
Total		61,159	..		16,376
Less sales (or production) in other trades (see Table 9)		7,261	..		1,892
Total principal products of this trade sold or made by establishments in the trade		53,898	836		14,484

(a) Great Britain only.

(b) United Kingdom.

(c) Including charges for erection or installation and preparation of foundations.

(d) Described as "Granite, dressed, polished, carved or otherwise worked".

(e) Not recorded separately.

(f) Including slate.

(g) Including dressed slate and marble, other than masonry for building or monumental purposes.

(h) So far as recorded separately.

(i) Described as "Sheets, slates, etc., of asbestos cement".

(j) Excluding slabbed work made by establishments that also made the tiles, etc. used in the work, for which see the China and Earthenware Trade (Volume 1, Trade G).

(k) Excluding output at mineral oil refineries and the output of bituminous emulsions by establishments classified to the Chemicals (General) Trade or the Coal Tar Products Trade.

(l) Including £42,000 of unclassified paving materials.

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

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
Granite, marble and other natural stone, dressed, polished, carved or otherwise worked					
Granite	-	-	-	0.4	3
Marble	-	-	-	0.2	4
Other natural stone				..	1
Masonry for building and for monumental purposes	..	61	11	2.7	10
Other descriptions (except abrasives)	..	15	5	1.8	10
Slate goods	1.3	15	6	..	10
	..	21			
Plaster goods; and pipes and tubes of pre-cast concrete	..	1,028	13	..	152
Other pre-cast concrete goods	Th. sq. yds.	Th. tons			
Flagstones and the like	209	21.5	74	19	
	Th. lin. yds.				18.3
Kerbs	37	2.7	10	22	31
	..	12.1	39		
Posts and pylons	..	7.0	62	19	3
Cement and concrete bricks	..	..	24	5	5
Floor and roof units	..	20.1	240	15	
	..	..	45		
Walling and partition blocks and slabs, including breeze blocks	Th. sq. yds.				
	103	..	36		
	..	50.6	153	100	
	..	..	61		64.5
	Th. tons				111
Other, including roofing tiles and cast stone dressings	84.0	379	43		82
	..	98			
Unclassified	46.7	172	71		
	..	365			
Flat sheeting of asbestos cement; composition flooring (including blocks and tiles); and fumed slag	..	..	10	..	0.2

TABLE 9 (contd)

	1948 (a) Sales			1935 (b) Production	
	Quantity	Value	Entries	Quantity	Value
	Th. tons	£'000	No.	Th. tons	£'000
Slabbed work and other tile and mosaic work, not elsewhere specified	..	91	17	..	54
Mortar	36.6	34	120	21.0	11
	..	46		..	68
Paving materials not elsewhere specified					
Manufactured bituminous asphalt and emulsions	55.7	268	18	81.5	143
	..	5			
Crushed stone, slag, clinker, etc.	2960.2	939	151	1,440.8	486
Tar macadam (including tarred slag)	271.8	387	17	257.8	180
Other	181.4	206	46	..	70(c)
	..	61			
White lime					
Lump or ground	523.4	1,090	33	187.9	169
Hydrated	182.2	573	9	21.4	34
Hydraulic and other lime; burnt gypsum and plaster of paris	54.0	164	20	153.3	189
Chalk, prepared	127.2	372	16	45.8	50
Work done for the trade or on commission, including sawing, turning and other treatment of stone (d)		12	..		4
Work done on monuments not made by the firm (erection and cutting of inscriptions) (d)		103	20		10
Total		7,261	..		1,892

(a) Great Britain only.

(b) United Kingdom.

(c) Including £42,000 of unclassified paving materials.

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

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

Larger establishments

TABLE 10

	1948 (a)		1935 (b)	
	Sales		Production	
	Quantity	Value	Quantity	Value
	Th. tons	£'000	Th. tons	£'000
Products of non-metalliferous mines and quarries				
Limestone or dolomite	811.1	503	1,756.6	367
Chalk	636.7	118	..	38
Other	126.6	81		
	..	433		
Other goods	..	1,733	..	489
		Amount charged		Amount received
Contract and job work (c) (d)		£'000		£'000
Work on buildings				
As main contractors		2,079	}	1,107
As sub-contractors		6,236		
Construction, maintenance and repair of roads				
As main contractors		3,215	}	1,161
As sub-contractors		408		
Other work				
As main contractors		234	}	293
As sub-contractors		373		
Total contract and job work		12,544		2,561
Less the value of goods used in the work and recorded as output		4,508		
Total contract and job work (excluding the value of goods used in the work and recorded as output)		8,036		2,561
Total		10,904		3,455

(a) Great Britain only.

(b) United Kingdom.

(c) Carried out in Great Britain (1948) or the United Kingdom (1935).

(d) The amounts shown include for 1948, and exclude for 1935, the value of goods used in the work and recorded as output.

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	2,140	4.1
Export sales organisations (including branches abroad); and other wholesale or selling organisations	1,297	2.5
Retail shops, etc.	103	0.2
Total sales (or transfers) to other organisations under the same control	3,540	6.8
Sales to independent buyers		
Exports invoiced directly overseas	918	1.8
Exports invoiced to Crown Agents and purchasing houses in this country of individual firms and governments abroad	1,355	2.6
His Majesty's Government and Local Authorities (other than productive establishments)	9,681	18.6
Manufacturers, repairers, builders, mines, public utilities, and transport and other productive undertakings	15,769	30.3
Wholesalers, merchants and other agents for resale	11,660 (a)	22.4
Retailers, including multiple shops, caterers, and N.A.A.F.I., for resale	941	1.8
Other businesses (including farmers) and institutions of all kinds	1,113	2.1
Members of the public, including employees	1,279	2.5
Unclassified	5,746	11.0
Total sales to independent buyers	48,463	93.2
Total	52,003 (b)	100.0

(a) Of this total £10,459,000 was recorded as divided between £241,000 for export and £10,219,000 for other sales.

(b) This total represents the total shown in Table 23 (£64,802,000), less the value of contract and job work and other work done in Great Britain (£8,291,000) and the value of goods used in such work (£4,508,000).

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

TABLE 12

		Production (b)(c)	Exports (d)	Retained imports(e)
		£'000	£'000	£'000
Busts, figures, ornamental mouldings, vases, etc. of plaster	{1948	140	21	17
	{1935	73	8	17
		Th. tons	Th. tons	Th. tons
Sheeting and tiles of asbestos cement	{1948	363.1	107.8(f)	20.8(f)
	{1935	148.4(f)	11.9(f)	18.6(f)
Chalk, prepared				
Whiting	1948	142.3	10.4	0.5
Other	1948	68.6	3.3	1.1
Total chalk, prepared	{1948	211.0	13.7	1.6
	{1935	146.8	26.0	1.8
Burnt gypsum, plaster of paris and gypseous cement	{1948	365.4	7.7	6.6
	{1935	264.5	14.4	15.1

(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) Valued f.o.b.

(e) Valued c.i.f.

(f) Described as "Sheets, slates, etc., of asbestos cement".

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. tons	£'000	Th. tons	£'000
Materials				
Granite	632.7	1,056		
Marble	7.2	228		
	..	40		
Other stone	1,939.2	1,752		
Slate	3.9	58		
Ballast	644.9	378		
Sand	1,626.9	695		
Calcareous cement	1,049.2	3,725		
Gypseous cement, burnt gypsum and plaster of paris	131.5	398		
Lime	42.1	93		
Asbestos	56.6	2,065		
Tar and pitch	86.6	543		
Iron and steel in all forms	54.4	1,410	..	7,090 (d)
Pre-cast concrete goods (c)				
Roofing tiles				
Ridge	..	99		
Valley, hip, etc.	..	177		
Pan and patent types	..	204		
Cast stone dressings	..	1,381		
Other pre-cast concrete goods	..	808		
Packing materials	..	801		
All other purchased materials	..	7,471		
Unclassified purchased materials	..	817		
Fuel and electricity				
Coal	413.3	1,157	432.9	382
Coke	181.6	682	102.0	113

TABLE 13 (contd.)

	1948(a)		1935(b)	
	Materials and fuel purchased		Usage of purchased materials and fuel	
	Quantity	Cost	Quantity	Cost
	Th. B. T. U. (kW. hrs.)	£'000	Th. B. T. U. (kW. hrs.)	£'000
Fuel and electricity (contd.)				
Electricity purchased (e)				
From public supply	102,967	499	49,370	169
From other sources	6,475	29		
Electricity obtained from other works under the same ownership	7,577	32		
Motor spirit (petrol) and derv. fuel	Th. galls.		Th. galls.	
Used for road vehicles	2,925	270	..	(f)
Used for other power purposes	1,637	108		
Other oil fuel (including creosote/pitch mixtures)	5,245	223	2,745	49(g)
Gas purchased and gas obtained from other works under the same ownership	Th. therms 601	24	..	(f)
All other purchased fuel	..	21		
Unclassified purchased fuel and electricity	..	100	-	-
Total		27,343		7,803

(a) Great Britain only.

(b) United Kingdom.

(c) So far as recorded separately.

(d) Including fuel not specified separately.

(e) The total quantity of electricity generated and consumed in the same works in 1948 was 10,135,000 B. T. units.

(f) Not recorded separately.

(g) Described as "Heavy fuel oil".

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
	Th. sq. yds.	Th. tons	£'000	Th. sq. yds.	Th. tons	£'000
Finished products						
Masonry for building purposes	..	3.1	49	..	3.5	61
	..	..	18	..	..	19
Plaster wall and base board	280	..	15	1,032	..	51
Pre-cast concrete goods	..	412.3	1,534	..	532.2	1,881
	..	..	262	..	..	314
Asbestos cement sheeting	1,734	13.0	123	1,913	15.2	134
	..	19.9	239	..	22.5	270
Other finished products	..	..	859	..	..	1,196
Work in progress			1,284			1,450
Total finished products and work in progress			4,384			5,376
Materials and fuel		Th. tons			Th. tons	
Stone	152.6	..	298	136.5	..	301
	..	..	102	..	..	118
Calcareous cement	20.6	..	70	20.7	..	70
Other descriptions of materials and fuel	..	..	3,342	..	..	3,461
Unclassified	..	..	105	..	..	124
Total materials and fuel			3,916			4,075

Employment and remuneration

Larger establishments

(i) Private firms (a)

TABLE 15

	Average number of operatives		Administrative, technical and clerical employees (c)		Total	
	1948 (c)	1935 (d)	1948 (c)	1935 (d)	1948 (c)	1935 (d)
	Males					
Under 18	2,215	2,679	315	251	2,530	2,930
All ages	45,802	32,179	6,087	3,723	51,889	35,902
Females						
Under 18	122	213	397	93	519	306
All ages	1,805	829	2,273	885	4,078	1,714
Total						
Under 18	2,337	2,892	712	344	3,049	3,236
All ages	47,607	33,008	8,380 (e)	4,608	55,967 (e) (f) (g)	37,616
Total remuneration	£'000	..	£'000	..	£'000	..

(a) Excluded employees. The following numbers were employed at private 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	36 males	188 females
Other workers	886 males	183 females

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

(c) Great Britain only.

(d) United Kingdom.

(e) There were, in addition, 158 working proprietors (153 males and 5 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 £485,000.

(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	248	
Maintenance and repair of firms' buildings, but not plant	187	
Research work not directly connected with current production however charged	35	46

(ii) Government Departments (a)

TABLE 15 (contd.)

	Average number of operatives	Administrative, technical and clerical employees (b)	Total
	1948	1948	1948
Males			
Under 18	4	-	4
All ages	1,217	141	1,358
Females			
Under 18	1	1	2
All ages	206	51	257
Total			
Under 18	5	1	6
All ages	1,423	192	1,615 (c) (d)
Total remuneration	£'000	£'000	£'000
	432	92	524

(a) Excluded employees. The following numbers were employed at Government establishments in this trade but are not included in the table or in any other report:-

Canteen workers	7 males	38 females
Other workers	- males	- females

(b) Number at September 25, 1948.

(c) The employers' share of contributions to all National Insurance Schemes payable during the year in respect of these workers amounted to £14,000.

(d) 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	1	
Maintenance and repair of firms' buildings, but not plant	65	
Research work not directly connected with current production however charged	-	-

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				Year
			First quarter	Second quarter	Third quarter	Fourth quarter	
	£'000	£'000					
Wages and salaries of							
Operatives	16,017	8,164	23.4	25.4	25.6	25.6	100.0
Administrative, technical and clerical employees	3,705	1,764	25.3	24.0	24.4	26.2	100.0
Total	19,721	9,928	23.7	25.1	25.4	25.7	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 £591,000.

Payments for certain services, 1948

Larger establishments in Great Britain

TABLE 18

	Amount paid
	£'000
Repair and maintenance	
Of buildings	124
Of plant, machinery and vehicles	798
Unclassified	463
Hire of plant, machinery and vehicles	572
Advertising and market research	
Advertising in newspapers, magazines and periodicals	51
Other advertising services (poster display, despatch of circulars, etc.) and market research	32
Unclassified	97
Payments made for research work	
To research associations	14
To universities, institutions, academic bodies and similar agencies	2
To other commercial concerns	12
Postage, telephone, telegrams and cables	221
Commercial insurance premiums	297
Rates (excluding water rates) payable in the year	115

Note - Mining royalties payable by establishments in this trade, together with notional rent as determined for Mineral Rights Duty, amounted to £39,000.

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	2,266	169	200
Vehicles	375	130	56
Total	2,641	299	256

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)		621
2. Existing buildings and land (b)		
(1) Capital cost of freeholds bought	169	
Estimated capital value of		
(11) Rented property newly occupied in the year (c)	267	
(111) Leasehold buildings and land newly occupied in the year	32	
Total of heading 2		468
Total of headings 1 and 2		1,089
3. Existing buildings and land relinquished (d)		
(1) Selling value of freeholds sold	40	
(11) Estimated value of other properties relinquished	62	
Total of heading 3		101
4. Headings 1 and 2 less heading 3		988

- (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)	54,394	2,446	5,615	62,455
Cost of materials and fuel used	24,069	940	2,176	27,185
Payment for work done on materials given out	536	4	51	591
Net output	29,789	1,502	3,389	34,679
Wages and salaries of persons employed	16,814	973	1,934	19,721
Average number of persons employed	No. 48,391	No. 3,014	No. 6,335	No. 57,740
Net output per person employed	£ 616	£ 498	£ 535	£ 601
Stocks at end of year	£'000	£'000	£'000	£'000
Finished products and work in progress	4,591	223	562	5,376
Materials and fuel	£ 3,560	£ 193	£ 322	£ 4,075
Number of establishments	No. 774	No. 51	No. 133	No. 958

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				
Total value of sales (see Table 23)	56,548	2,482	5,771	64,802
Adjustment for changes in stocks and work in progress	+ 832	+ 50	+ 110	+ 992
Less payment for transport by other firms	2,987	86	266	3,339
Gross output (production)	54,394	2,446	5,615	62,455
Materials and fuel used by firms in this trade				
Purchases (see Table 24)	24,211	941	2,191	27,343
Adjustment for changes in stocks	- 142	- 1	- 16	- 158
Materials and fuel used	24,069	940	2,176	27,185

Summary
Small firms

TABLE 22

	England	Wales	Scotland	Great Britain
Number of returns	1,625	114	150	1,889
Average number of persons employed (a)				
Males	7,129	471	642	8,242
Females	396	18	36	450
Total	7,525	489	678	8,692

(a) Including working proprietors.

Sales in the trade
Larger establishments

TABLE 23

	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
	Th. tons	£'000	Th. tons	£'000	Th. tons	£'000
Principal products						
Granite, marble and other natural stone, dressed, polished, carved or otherwise worked						
Granite						
Masonry for building purposes	0.9	26	1.5	57	2.4	83
Masonry for monumental purposes (a)	2.5	141	8.4	826	11.0	967
	..	171	..	192	..	363
Other descriptions, including pavement, kerbs and setts	..	(b)	..	(b)	3.7	80
Marble						
Masonry for building purposes	1.3	119	-	6	1.3	125
	..	53			..	53
Masonry for monumental purposes (a)	3.9	329	0.2	26	4.0	355
	..	293	..	1	..	294
Tiles and mosaic cubes	..	(b)	..	(b)	0.2	12
					..	3
Other descriptions	..	(b)	..	(b)	0.2	33
					..	26
Other natural stone						
Masonry for building and monumental purposes (a)	32.3	797	2.0	25	34.3	822
	..	205	..	29	..	234
Other descriptions (except abrasives)	..	(b)	..	(b)	6.4	49
					..	49
Slate goods	..	(b)	..	(b)	2.0	103
					..	37
Plaster goods; and pipes and tubes of pre-cast concrete	..	(b)	..	(b)	..	4,679

TABLE 23 (contd.)

	England and Wales			Scotland			Great Britain		
	Quantity		Value	Quantity		Value	Quantity		Value
	Th. sq. yds.	Th. tons	£'000	Th. sq. yds.	Th. tons	£'000	Th. sq. yds.	Th. tons	£'000
Principal products (contd.)									
Other pre-cast concrete goods (contd.)									
Flagstone and the like	7,106	751.9	2,492	665	66.0	212	7,771	817.9	2,704
	Th. lin. yds.			Th. lin. yds.			Th. lin. yds.		
Kerbs	3,870	268.8	969	336	21.9	88	4,206	290.7	1,057
	..	22.4	81	..	9.0	37	..	31.4	118
Posts and pylons		74.1	741		0.6	5		74.7	746
Cement and concrete bricks	..	..	(b)	..	..	(b)	Millions	14.7	30
							17.2	..	42
							6.2	..	1
							..	..	1
	Th. sq. yds.			Th. sq. yds.			Th. sq. yds.		
Floor and roof units	775	123.6	737	96	19.8	99	872	143.4	836
	191	..	139	176	..	129	367	..	268
	..	3.4	30	..	2.6	12	..	6.0	42
	..	..	118	-	-	-	..	..	118
Walling and partition blocks and slabs including breeze blocks	5,477	522.7	1,691	597	42.7	194	6,074	565.4	1,884
	835	..	202	69	..	20	903	..	222
	..	42.2	123	..	4.5	19	..	46.7	142
	..	..	137	-	-	-	..	..	137
	Th. tons			Th. tons			Th. tons		
Other, including roofing tiles and cast stone dressings	1,205.2	8,171	1,082	163.1	..	50	1,368.4	9,293	1,132

Unclassified	..	173	..	..	..	13	..	..	186
Asbestos cement goods, excluding flat sheeting							Th. sq. yds.	Th. tons	
Sheeting									
Corrugated	..	(b)	..	..	..	(b)	9,460	92.7	1,264
							..	159.0	2,246
Flexible	..	(b)	..	..	..	(b)	370	2.7	70
							..	2.7	54
Tiles							..	11.6	137
							Th. tons		
Rainwater goods							13.1	..	392
Flue and soil pipes	..	(b)	..	..	..	(b)	6.4	..	288
Other descriptions							82.6	..	2,155
Unclassified asbestos cement goods							..	..	138

TABLE 23 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
	Th. tons	£'000	Th. tons	£'000	Th. tons	£'000
Principal products (contd.)						
Flat sheeting of asbestos cement; composition flooring; (including blocks and tiles); and foamed slag	..	(b)	..	(b)	..	1,898
Slabbed work and other tile and mosaic work, not elsewhere specified	..	2,031	..	202	..	2,233
Mortar	198.0	221	-	-	198.0	221
	..	64	..	..	..	64
Paving materials, not elsewhere specified						
Manufactured bituminous asphalt and emulsions	900.5	3,485	42.4	173	942.9	3,658
	..	1,717	..	..	..	1,717
Crushed stone, slag, clinker, etc.	..	(b)	..	(b)	2,036.1	977
Tar macadam (including tarred slag)	..	(b)	..	(b)	1,743.6	2,704
Other	173.7	624	14.8	8	188.5	632
	..	110	..	8	..	118
White lime						
Lump or ground	..	(b)	..	(b)	1,038.4	2,173
Hydrated	..	(b)	..	(b)	149.6	487
Hydraulic and other lime; burnt gypsum, plaster of paris, and gypseous cement	561.1	1,625	31.6	87	592.8	1,713
Chalk, prepared	83.7	248	-	-	83.7	248
Ground or crushed gypsum, sold as such	..	(b)	..	(b)	327.1	392
Slag wool	18.6	341	-	-	18.6	341
Work done for the trade or on commission, including sawing, turning and other treatment of stone (c)		61		11		72
Work done on monuments not made by the firm (erection and cutting of inscriptions) (c)		158		26		183
Total principal products		49,165		4,733		53,898

TABLE 23 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
	Th. tons	£'000		£'000	Th. tons	£'000
Other output						
Products of non-metalliferous mines and quarries						
Limestone or dolomite	..	(b)	..	(b)	811.1	503
Chalk	636.7	118	-	-	636.7	118
Other	..	(b)	..	(b)	126.6	81
Other goods	..	1,606	..	127	..	433
					..	1,733
		Amount charged		Amount charged		Amount charged
		£'000		£'000		£'000
Contract and job work						
Work on buildings						
As main contractors		1,609		470		2,079
As sub-contractors		5,728		508		6,236
Construction, maintenance and repair of roads						
As main contractors		(a)		(a)		3,215
As sub-contractors		(a)		(a)		408
Other work						
As main contractors		181		53		234
As sub-contractors		(b)		(b)		373
Total contract and job work		11,329		1,215		12,544
Less the value of goods used in the work and recorded as output		4,185		323		4,508
Total contract and job work (excluding the value of goods used in the work and recorded as output)		7,144		892		8,036
Total		59,031		5,771		64,802

(a) Including charges for erection or installation and preparation of foundations of monuments.
 (b) Owing to the risk of disclosure of information relating to individual firms, separate figures cannot be given.
 (c) Amount charged.

Purchased materials and fuel
Larger establishments

TABLE 24

	England and Wales		Scotland		Great Britain	
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. tons	£'000	Th. tons	£'000	Th. tons	£'000
Materials						
Granite	595.7	822	37.0	234	632.7	1,056
Marble	6.8	216	0.4	12	7.2	228
Other stone	1,817.0	1,641	122.2	111	1,939.2	1,752
Slate	..	(a)	..	(a)	3.9	58
Ballast	569.4	319	75.4	59	644.9	378
Sand	1,442.8	607	184.0	88	1,626.9	695
Calcareous cement	952.8	3,324	96.4	401	1,049.2	3,725
Gypseous cement, burnt gypsum and plaster of paris	128.9	384	2.5	14	131.5	398
Lime	38.8	87	3.4	7	42.1	93
Asbestos	..	(a)	..	(a)	56.6	2,065
Tar and pitch	..	(a)	..	(a)	86.6	543
Iron and steel in all forms	46.8	1,240	7.6	170	54.4	1,410
Pre-cast concrete goods						
Roofing tiles						
Ridge	..	88	..	11	..	99
Valley, hip, etc.	..	165	..	12	..	177
Pan and patent types	..	(a)	..	(a)	..	204
Cast stone dressings	..	1,331	..	50	..	1,381
Other pre-cast concrete goods	..	676	..	132	..	808
Packing materials	..	765	..	36	..	801
All other purchased materials	..	6,914	..	557	..	7,471
Unclassified purchased materials	..	797	..	20	..	817

TREATMENT OF NON-METALLIFEROUS MINING PRODUCTS
OTHER THAN COAL COUNTRY TABLES

TABLE 24 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. tons	£'000	Th. tons	£'000	Th. tons	£'000
Fuel and electricity						
Coal	393.5	1,103	19.9	53	413.3	1,157
Coke	175.9	662	5.7	20	181.6	682
Electricity purchased (b)	Th. B. T. U. (kW.hrs.)		Th. B. T. U. (kW.hrs.)		Th. B. T. U. (kW.hrs.)	
From public supply	95,349	460	7,618	39	102,967	499
From other sources	..	(a)	..	(a)	6,475	29
Electricity obtained from other works under the same ownership	..	(a)	..	(a)	7,577	32
Motor spirit (petrol) and deriv. fuel	Th. galls.		Th. galls.		Th. galls.	
Used for road vehicles	2,595	241	331	30	2,925	270
Used for other power purposes	1,516	100	121	8	1,637	108
Other oil fuel (including creosote/pitch mixtures)	5,078	216	167	7	5,245	223
	Th. therms		Th. therms		Th. therms	
Gas purchased and gas obtained from other works under the same ownership	402	17	199	7	601	24
All other purchased fuel	..	19	..	3	..	21
Unclassified purchased fuel and electricity	..	98	..	2	..	100
Total		25,152		2,191		27,343

- (a) Owing to the risk of disclosure of information relating to individual firms, separate figures cannot be given.
- (b) The total quantity of electricity generated and consumed in the same works in Great Britain was 10,135,000 B. T. units. Owing to the risk of disclosure of information relating to individual firms, separate figures for England and Wales and for Scotland cannot be given.

Employment and remuneration

Larger establishments

(i) Private firms

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	1,833	292	2,125	382	23	405	2,215	315	2,530
All ages	40,319	5,625	45,944	5,483	462	5,945	45,802	6,087	51,889
Females									
Under 18	113	357	470	9	40	49	122	397	519
All ages	1,705	2,036	3,741	100	237	337	1,805	2,273	4,078
Total									
Under 18	1,946	649	2,595	391	63	454	2,337	712	3,049
All ages	42,024	7,661(b)	49,685 (b) (c)	5,583	699(b)	6,282 (b) (c)	47,607	8,360 (b)	55,967 (b) (c)
	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000
Total remuneration	13,916	3,347	17,263	1,669	266	1,934	15,585	3,613	19,198

- (a) Number at September 25, 1948.
- (b) There were, in addition, 158 working proprietors (153 males and 5 females) in Great Britain; 101 males and 4 females in England and Wales, and 52 males and 1 female 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 £465,000; £413,000 for England and Wales, and £52,000 for Scotland.

(ii) Government Departments

All Government establishments classified to this trade were in England and Wales; for particulars of employment and remuneration therein see Table 15 (ii)

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	94.8	98.7	95.3	August	102.9	100.0	102.5
February	96.4	101.7	97.1	September	102.6	100.7	102.4
March	97.2	101.5	97.8	October	101.2	96.6	100.6
April	99.9	102.8	100.3	November	99.6	96.6	99.2
May	102.2	102.3	102.2	December	98.5	95.6	98.1
June	102.4	103.5	102.6	Percentage employment in this trade covered by the index	48.9	56.2	49.7
July	102.3	99.9	102.0				

(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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