

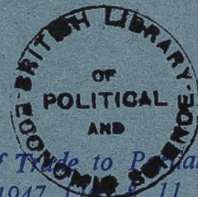
BOARD OF TRADE

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*The Report on the
Census of Production
for 1954*

Volume 1: Industry 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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The Report on the Census of Production for 1954

VOLUME 1 INDUSTRY L

BUILDING MATERIALS

THIS REPORT on the Building Materials Industry 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), roofing felts, prefabricated concrete products, artificial paving stones, asbestos cement goods, lime, plaster of paris, etc. 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, Industry B).

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

For 1951 and 1954, manufacturers of asphalt who were using the whole or the greater part of their production in their own contracting work are classified to the Building and Contracting Industry (Volume 12, Industry A), whereas for 1948 they were classified to this industry; the 1948 figures have been amended to exclude these establishments whose net output amounted to £4,146,000.

For 1954, manufacturers of roofing felts have been included, whereas for earlier years they were covered in a separate report (Volume 1, Industry M). The 1948 and 1951 figures have been amended to include these establishments.

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IMPORTANT NOTES and definitions appear on the next page. In interpreting the data in the tables, it is essential to bear these in mind.

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The following notes describe terms in general use in the tables of the report. More detailed explanations of the terms used and a description of the scope and method of taking the census are given in the separate booklet entitled 'The Report on the Census of Production for 1954 - Introductory Notes' (price 1s. 6d. net).

Industrial Classification: Establishments are classified to industries according to the nature of their output and, as far as possible, in conformity with the Standard Industrial Classification. Certain products are identified as the principal products of individual industries, the principal products for a given industry being of a similar nature or commonly associated in production. The principle of classification normally followed is that an establishment is classified to an industry if its output of the principal products of that industry accounted for a greater proportion of the value of its output than did its output of the principal products of any other industry.

Specialist producers normally comprise those establishments 50 per cent. or more of whose total output by value is accounted for by the characteristic products of the specialist group.

Intermediate products: For some industries figures are given showing the total quantities made during the year of intermediate products, i.e., products which may be further processed in the establishments in which they are produced.

Larger establishments: The information given in the report relates mainly to 'larger establishments', i.e., establishments of firms employing on the average more than 10 persons. In most cases an establishment comprises the whole of the premises under the same ownership or management at a particular address (e.g., a mine or factory). Offices, warehouses, laboratories and other ancillary places of business situated apart from the producing works are not regarded as separate establishments and are included in the return for the works.

Small firms are those employing on the average 10 or fewer persons.

The estimates for the industry as a whole given in Table 1 are normally obtained by increasing the other items shown in the same proportion as total employment.

Gross output (production) is the total value of goods made and other work done during the year: it is obtained by adjusting the value of sales and work done during the year for changes in the value of stocks of products on hand for sale and work in progress.

Net output is the amount left after deducting from the value of gross output the aggregate of the cost of materials and fuel used, the amount paid for work given out, and, for 1951 and 1954, any transport payments made. This represents the value added to materials by the process of production, and constitutes the fund from which wages, salaries, rents, rates and taxes, advertising and other selling expenses and all other similar charges have to be met, as well as depreciation and profits.

Sales means sales during the year of goods made in the establishment covered by the return or made on commission for it, whether produced in the year or not. The value of sales is the net selling value, i.e., the amount charged to customers, whether on an ex-works or delivered basis, and net of any trade discounts, agents' commissions, allowances for returnable cases, purchase tax, etc. For goods charged on a delivered basis to customers overseas, firms were required to give the f.o.b. value.

Materials and fuel: The total cost of materials and fuel purchased includes all purchases during the year of materials for use in production, and of fuel (includ-

ing oil, gas and electricity) for all purposes: packing materials, including the full cost of returnable cases when first purchased; workshop and office materials; water charges; materials for repairs to buildings, plant and vehicles when carried out by firms' own work-people included in their returns; consumable tools; and parts for machinery purchased as replacements. Purchases of goods for merchanting are excluded. The cost of materials and fuel used, given in Table 2, is obtained by adjusting purchases for changes during the year in the value of stocks.

Stocks: Firms were required to give stocks of materials and fuel, products on hand for sale, and work in progress, at income tax values.

Customs and Excise Duty paid on materials purchased is normally included in the cost of materials. Finished goods are similarly valued as they were sold, duty-paid or duty-free. The net amount of any duty paid is deducted in arriving at net output.

Employment: Total employment includes working proprietors, administrative, technical and clerical employees, and operatives, but excludes outworkers, canteen employees and persons engaged in merchanting or any other activity not covered by a firm's return, who are shown separately as excluded employees. Employees are persons on the pay-roll (i.e., persons whose National Insurance cards were held by employers), whether employed full-time or part-time.

Working proprietors are proprietors of businesses other than limited companies, together with members of their families who worked in the business without receiving fixed wages or salaries. Any persons working less than half the normal hours are excluded. For Northern Ireland directors of limited companies (other than those paid by fee only) are also included.

Administrative, technical and clerical employees include directors, other than those paid by fee only (except in Northern Ireland); managers, superintendents and works foremen; research, experimental, development, technical and design employees (other than operatives); draughtsmen and tracers; travellers; and office (including works office) employees.

Operatives include all other classes of employees, i.e., broadly speaking, all manual workers.

Outworkers are persons employed by the firm who work on materials supplied by the firm in their own homes.

Wages and salaries include all overtime payments, bonuses and commissions without any deductions for income tax, insurances, contributory pensions etc. They exclude payments to working proprietors.

Capital expenditure includes expenditure on new building work, and on plant, machinery and vehicles, charged to capital account during the year, including any transport and installation costs involved. It includes expenditure in respect of establishments in Great Britain which had not begun production before the end of the year (which has not previously been included in the Census of Production reports for individual industries).

Symbols used:

.. for not available

- for nil or negligible (less than half the final digit shown).

Where figures are rounded, e.g., given to the nearest £ thousand, there may be apparent slight discrepancies between the sums of constituent items and the totals shown. In some cases, figures have been combined with others of a similar nature where publication of separate details might disclose information relating to an individual undertaking.

Industry summary

Estimates for the industry as a whole

TABLE 1

	United Kingdom			Scotland 1954	Wales 1954
	1948	1951	1954		
	£ million	£ million	£ million	£ million	£ million
Gross output (production)	72.5	105.4	136.5	11.30	4.35
Net output	39.5	46.6	59.3	5.47	1.88
Total stocks and work in progress					
At beginning of year	10.0	14.9	19.2	1.94	0.56
Change during year	+ 1.3	+ 3.1	+ 1.6	+ 0.24	- 0.03
Capital expenditure less disposals (a)	3.7	3.5	5.9	0.36	0.19
Wages and salaries	21.9	26.2	33.7	3.32	1.13
Total employment (including working proprietors)	Thousands 65.3	Thousands 64.7	Thousands 67.7	Thousands 7.21	Thousands 2.39

(a) Capital expenditure on new building work, plant, machinery and vehicles (including (except in 1948) that incurred in Great Britain for establishments not yet in production), less amounts received for plant, machinery and vehicles disposed of.

Summary of returns received

TABLE 2

	Unit	Great Britain 1948	United Kingdom	
			1951	1954
FIRMS EMPLOYING ON AVERAGE MORE THAN 10 PERSONS				
Number of establishments	No.	930	981	999
Total value of sales and work done	£'000	61,829	88,238	115,040
Products on hand for sale		4,294	6,824	8,526
and work in progress		+ 984	+ 858	+ 1,285
Gross output (production) (a)		59,454	89,096	116,325
Purchases of materials and fuel		26,646	42,338	53,491
Stocks of materials and fuel		3,898	5,763	7,821
at beginning of year		93	1,728	102
change during year		+ 93	+ 1,728	+ 102
Cost of materials and fuel used		26,553	40,611	53,389
Payment for work done on materials given out		502	782	1,385
Payment for transport (b)		3,359	8,271	10,972
Net output		32,397	39,434	50,579
Average number of employees	No.	45,451	45,555	47,664
operatives		7,986 (c)	8,951	9,831
others		53,595	54,683	57,671
Total employment (d)		604	721	877
Net output per person employed (d)	£			
Wages and salaries	£'000	14,555	17,660	23,005
of operatives		3,425	4,509	5,759
of others				
Capital expenditure				
New building work (e)		624	524	926
Plant and machinery		2,226	1,655	3,526
acquisitions (e)		179	98	111
disposals		444	756	783
Vehicles		49	109	225
acquisitions (e)				
disposals				
FIRMS EMPLOYING ON AVERAGE 10 OR FEWER PERSONS				
Number of returns	No.	1,890	1,920 (f)	1,973
Total employment, including working proprietors		8,700	9,261 (f)	9,252

(a) For the year 1948 gross output excludes payments for transport services outwards on finished goods sold. For subsequent years gross output includes payments to other firms and undertakings and to firms' own separate transport organisations for transport services.

(b) Payments to other firms and undertakings and to firms' own separate transport organisations. For the year 1948 payments cover only transport outwards of finished goods sold. For subsequent years they cover payments for transport of both finished goods sold and materials and fuel purchased.

(c) Number in week ended September 25, 1948.

(d) Excluding outworkers and including working proprietors.

(e) Excluding expenditure for establishments not yet in production.

(f) Excluding Northern Ireland. No information about small firms was collected in Northern Ireland for 1951.

BUILDING MATERIALS

Analysis by size, 1954

Larger establishments in the United Kingdom

TABLE 3

Average number employed (a)	Estab-lish-ments	Gross output	Net output	Employees		Wages and salaries		Capital expenditure (b)	Net output per person employed (a)
				Operatives	Others	Operatives	Others		
	Number	£'000	£'000	Number	Number	£'000	£'000	£'000	£
11 - 24 (c)	393	11,516	5,022	5,222	977	2,371	581	387	799
25 - 43	294	18,154	8,019	8,719	1,444	4,101	827	737	784
50 - 99	176	21,118	9,387	10,020	1,852	4,825	1,113	904	789
100 - 199	89	23,725	10,362	10,082	1,950	4,938	1,169	1,136	861
200 - 299	26	14,966	6,588	4,869	1,224	2,449	704	345	1,081
300 - 399	14	13,330	4,997	3,650	1,016	1,844	592	701	1,071
400 and over	7	13,517	6,204	5,102	1,368	2,478	773	1,025	959
Total	999	116,325	50,579	47,664	9,831	23,005	5,759	5,235	877

(a) Excluding outworkers and including working proprietors.

(b) Capital expenditure on new building work and on acquisition of plant, machinery and vehicles. Excluding expenditure for establishments not yet in production.

(c) Including a small number of establishments with fewer than 11 persons employed, particulars of which were included with those for larger establishments on a single return.

Analysis according to specialisation within the industry, 1954

Larger establishments in the United Kingdom

TABLE 4

	Unit	Specialist producers of				Remainder of the industry	Total
		Lime and whiting	Pre-cast concrete goods	Asbestos cement goods	Roofing felts		
Number of establishments	No.	89	484	20	22	384	999
Total value of sales and work done	£'000	7,151	43,238	17,473	6,963	40,215	115,040
Sales of characteristic products	"	5,887	37,604	15,073	4,846		
Products on hand for sale	"	73	4,171	1,664	319	2,300	8,526
and work in progress	"	+ 17	+ 562	+ 185	+ 40	+ 480	+ 1,285
Gross output (production)	"	7,169	43,800	17,658	7,003	40,695	116,325
Purchases of materials and fuel	"	2,596	18,148	7,993	4,809	19,945	53,491
Stocks of materials and fuel	"	283	1,527	3,220	400	2,391	7,821
Cost of materials and fuel used	"	- 4	+ 156	- 541	+ 96	+ 394	+ 102
Payment for work done on materials given out	"	2,600	17,992	8,534	4,713	19,551	53,389
Payment for transport	"	4	1,248	44	-	90	1,385
Net output	"	1,404	3,201	1,338	433	4,596	10,972
Average number of employees	No.	3,161	21,360	7,743	1,857	16,459	50,579
Total employment (a)	"	3,294	23,090	5,998	1,282	14,000	47,664
Net output per person employed (a)	£	386	4,390	1,472	416	3,167	9,831
Wages and salaries	£'000	3,686	27,555	7,470	1,707	17,253	57,671
Capital expenditure	"	858	775	1,037	1,088	954	877
New building work (b)	"	1,535	11,098	2,943	646	6,784	23,005
Plant and machinery	"	254	2,536	825	243	1,900	5,759
Vehicles	"	37	460	150	27	251	926
Plant and machinery	"	345	1,301	555	114	1,212	3,526
disposals	"	18	21	1	1	70	111
disposals	"	98	369	18	29	270	783
disposals	"	20	79	5	9	111	225

(a) Excluding outworkers and including working proprietors.

(b) Excluding expenditure for establishments not yet in production.

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Sales of the principal products of the industry, including sales of these products by establishments classified to other industries: Larger establishments in the United Kingdom

TABLE 5

	1951		1954		Entries
	Quantity	Value	Quantity	Value	
Granite, marble and other natural stone, dressed, polished, carved or otherwise worked	Th.tons	£'000	Th.tons	£'000	Number
Granite					
Masonry for monumental purposes (a)	6.1	749	4.7	489	84
	..	512	..	563	
For building and other purposes including pavement kerbs and setts	1.3	148	4.1	236	51
	..	80	..	206	
Marble					
Masonry for monumental purposes (a)	4.5	401	3.4	298	43
	..	210	..	193	
For building and other purposes	1.3	155	2.8	338	26
	..	182	..	135	
Other natural stone					
Masonry for monumental purposes (a)	12.9	535	4.4	216	53
	..	120	..	173	
For building and other purposes	85.8	1,469	126.1	1,049	59
	..	402	..	2,622	
Slate goods, other than roofing slates and slates for damp courses	1.7	97	0.4	30	8
	..	..	..	71	
Plaster goods					
Burnt gypsum and plaster of paris	401.2	1,899	467.4	2,437	17
Plaster board	Th.sq.yds.		Th.sq.yds.		
	38,434	4,147	32,808	4,606	9
Base board	9,490	888	12,519	1,424	6
Other descriptions	..	541	..	1,039	16
Quicklime	Th.tons		Th.tons		
	1,632.0	4,714	1,475.6	4,957	88
Hydrated lime	471.2	2,202(b)	644.1	2,910	56
Whiting and other prepared chalk	201.5	910(c)	446.9	1,405	30
Mortar	474.4	577	842.3	1,130	39
Pre-cast concrete goods					
Floor and roof units	274.1	2,311	162.9	1,552	127
	..	..	..	1,356	
Walling and partition blocks and slabs, including breeze blocks	920.2	2,675	882.2	2,529	260
	..	469	..	2,895	
Prefabricated housing units	131.2	1,132	72.0	667	55
	..	283	..	938	
Flagstones and the like	988.9	3,017	Th.sq.yds.	8,618	194
Kerbs	447.5	1,649	Th.lin.yds.	3,546	202
	..	..	..	917	
Pipes and tubes	321.1	2,636	Th.tons	275.1	47
	..	..	..	524	
Posts and pylons	116.2	1,392	..	77.3	159
	..	..	..	664	
Cement and concrete bricks	164.0	534	..	187.4	50
	..	..	..	250	
Roofing tiles					
Plain	400.5	1,905	330.1	1,930	24
Single lap	174.3	977	430.4	3,478	15
Other types	19.4	152	104.4	798	16
	..	16	..	88	
Cast stone dressings	175.4	2,007	150.3	1,809	120
	..	..	..	745	
Other pre-cast concrete goods	475.0	4,168	424.7	4,103	290
	..	1,213	..	3,667	
Unclassified	310.0	1,493	317.9	1,053	107
	..	773	..	2,555	

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TABLE 5 (contd.)

	1951		1954		
	Quantity	Value	Quantity	Value	Entries
Asbestos cement goods	Th. tons	£'000	Th. tons	£'000	Number
Rainwater goods	17.1	630	22.5	1,003	7
Flue and soil pipes	7.2	406	9.2	582	5
Sheeting					
Flat	87.4	1,478	72.2	1,408	7
Corrugated	311.2	5,590	319.6	7,172	13
Flexible	5.1	126			
Slates	11.6	247	12.0	334	..
Other descriptions	93.9	3,005	123.4	4,619	12
Unclassified	..	6	-	-	-
Composition floor blocks and tiles	41.3	2,283	73.4	6,661	22
	..	1,057			
Felts for roofing (including sarking and sheathing felts)	Th. sq. yds.	Th. cwt.	Th. sq. yds.	Th. cwt.	
Paper felts	65,440	1,744	46,827	1,127	15
			15,901	..	
Tarred flax or jute felts	9,083	131	6,269	96	6
			..	132	
Other roofing felts	24,082	584	28,718	755	13
			..	138	
Felt base for manufacturing into floor covering	21,629	327	10,735	153	..
Dampcourses and similar fabrics	7,456	483	9,282	593	19
Tiled hearths and fireplace surrounds	..	3,929(d)	..	4,244	92
Paving or road-making materials, not elsewhere specified	Th. tons		Th. tons		
Manufactured bituminous asphalt and emulsions (other than for use as paint) (e)	1,477.2	5,069	1,666.8	5,425	76
			..	772	
Crushed stone, slag, clinker, etc.	3,377.6	1,993	3,452.7	2,516	60
Tar macadam (including tarred slag)	2,308.2	4,072	2,203.1	4,324	50
Other	965.1	927	473.7	839	45
	..	588	..	610	
Unclassified	..	71	..	150	42
Building insulation materials					
Slag wool	16.0	252	12.8	142	..
Other descriptions	..	114	..	664	13
Foamed slag	134.7	194	169.9	248	8
Ready mixed concrete (f)	..	348	..	937	6
Joint fillers for roads, buildings, etc. not elsewhere specified (e)	..	51	..	..	..
Other building materials, not elsewhere specified	64.6	119	..	1,302	79
	..	124	..	..
Unclassified building materials	159.6	150	54.3	122	122
	..	63	..	104	
Work done for the trade or on commission, e.g. sawing, turning and other treatment of stone, including work done on monuments not made by the firm (g)		357(h)		125	34
Total		90,103		118,862	..
Sales in other industries (see Table 6)		9,654		12,284	..
Principal products of this industry sold by establishments in the industry		80,450		106,578	864

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

(b) Including hydraulic lime.

(c) Whiting only.

(d) Described as slabbed work and other tile and mosaic work, not elsewhere specified.

(e) Excluding output of establishments classified to the Mineral Oil Refining Industry (Volume 2, Industry N) and the output of bituminous emulsions by establishments classified to the Chemicals (General) Industry (Volume 2, Industry E) or the Coal Tar Products Industry (Volume 2, Industry D).

(f) So far as separately recorded.

(g) Amount charged.

(h) Including waste products.

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Sales of principal products of the industry by establishments classified to other industries

Larger establishments in the United Kingdom

TABLE 6

	1954			Principal industries in which produced (a)
	Quantity	Value	Entries	
	Th. tons	£'000	Number	
Granite, marble and other natural stone, dressed, polished, carved or otherwise worked				
Masonry for monumental purposes				
Granite and other natural stone	..	24	..	10A, 12A
For building and other purposes				
Granite, marble and other natural stone	..	124	14	1B, 2E, 10B, 12A
Quicklime	496.7	1,351	25	1B, 1J
Hydrated lime	358.0	1,287	14	1B, 1J
Whiting and other prepared chalk	254.3	708	8	1B, 1J
Mortar	40.2	36	20	1B, 12A
	..	7		
Pre-cast concrete goods				
Floor and roof units				
Walling and partition blocks and slabs, including breeze blocks	..	274	32	1F, 12A
Prefabricated housing units				
Flagstones and the like; and kerbs	..	110	10	12A
Pipes and tubes				
Posts and pylons	..	323	7	5D, 12A
Cement and concrete bricks	..	87	10	1B, 12A
Other pre-cast concrete goods, including roofing tiles other than single lap	30.7	229	22	1F, 5E, 12A
	..	185		
Unclassified	284.2	843	77	
	..	885		
Plaster goods, slates of asbestos cement and unclassified building insulation materials	..	1,647	6	1B, 1J, 3I, 7A
Composition floor blocks and tiles	..	75	5	4I, 10B, 12A
Felts for roofing, other than tarred flax or jute felts, including dampcourses and similar fabrics	..	47	..	2E, 12A
Tiled hearths and fireplace surrounds	..	225	6	3C, 5E, 12A
Paving or road-making materials, not elsewhere specified				
Manufactured bituminous asphalt and emulsions (other than for use as paint)	435.3	1,768	37	2E, 2I, 4A, 12A
Crushed stone, slag, clinker, etc.	216.3	169	11	1B, 3H, 12A
	..	119		
Tar macadam (including tarred slag)	471.8	820	15	1B, 3A, 12A
Other	149.4	294	14	12A
	..	142		
Unclassified	..	150	42	
Ready mixed concrete	..	107	..	12A
Joint fillers for roads, buildings, etc., not elsewhere specified	..	17	..	2E, 2I
Unclassified building materials	54.3	122	122	
	..	104		
Work done for the trade or on commission, e.g. sawing, turning and other treatment of stone, including work done on monuments not made by the firm (b)		5	..	
Total		12,284	..	

(a) The volume number and industry references given are to the industries shown in the list at the back of this report.

(b) Amount charged.

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Sales in the industry of other than principal products
Larger establishments in the United Kingdom

TABLE 7

	1954	
	Quantity	Value
	Th.tons	£'000
Minerals raised and either sold or used in manufactured products		
Limestone or dolomite	2,520.4	1,620
Chalk	567.4	294
Other minerals	468.0	309
Total minerals raised	3,555.8	2,224
Less the value of minerals used in the manufacture of lime, whiting, etc. recorded as principal products in the industry	..	766
Total minerals sold as such	..	1,458
Wood wool building slabs	20.6	433
	..	147
Bituminous paints and solutions and emulsions for use as paint and other bituminous compounds	..	157
Iron and steel products	..	194
Other goods	..	1,929
		Amount charged
		£'000
Contract and job work		
Work on buildings		
As main contractors		
Residential premises		177
Other		777
As sub-contractors		
Residential premises		7,033
Other		1,144
Work on roads		
As main contractors		333
As sub-contractors		8
Other work		
As main contractors		359
As sub-contractors		401
Total contract and job work		10,233
Less the value of goods used in the work and recorded as principal products in the industry		6,089
Total contract and job work excluding the value of goods used in the work and recorded as principal products in the industry		4,144
Total		8,462

TABLE 8- Total make of intermediate products
Larger establishments in the United Kingdom

This table is not applicable to the industry.

BUILDING MATERIALS

Purchases of materials and fuel, 1954: Larger establishments in the United Kingdom

TABLE 9

	Quantity	Cost
	Th.tons	£'000
Materials		
Granite	1,072	1,469
..	..	233
Marble	7	238
..	..	116
Other stone	4,925	3,006
..	..	469
Sand and ballast	3,615	2,049
..	..	377
Calcareous cement	1,570	7,381
Gypseous cement, including burnt gypsum and plaster of paris	52	272
..	..	371
Tiles (for slabbing, etc.)	40	2,211
..	..	1,190
Asbestos	66	4,247
..	..	1,518
Felt paper, untarred	Th.cwt. 527	1,240
..	..	305
Jute cloth and bags	87	791
..	..	102
Flax and jute waste	85	70
..	..	105
Bitumens and asphalts	Th.tons 217	2,717
..	..	266
Tar and pitch	83	728
..	..	325
Timber, excluding timber for packing and plywood, blockboard, laminboard and battenboard	Th.cu.ft. 536	339
..	..	179
Dyes and dyestuffs	..	331
Replacement parts for machinery, plant and vehicles and consumable tools bought as replacements	..	2,963
Other iron and steel in all forms (road reinforcement, etc.)	Th.tons 46	1,767
..	..	288
Packing materials	..	1,234
All other purchased materials	..	8,537
Fuel and electricity		
Coal	382	1,455
Coke	358	1,917
Liquid fuel (including creosote/pitch mixtures)		
For use in internal combustion engines	Th.gal. 4,786	909
Motor spirit (petrol) for use in road vehicles and derv. fuel	..	137
..	..	67
Other	864	21
..	..	304
For burning in furnaces, boilers, kilns, etc.	6,166	
Gas purchased	Th.therms 1,680	91
From Gas Boards		
From other sources, including other departments of the same firms	2,401	18
Electricity purchased (a)	Th.kWh. 158,301	899
From Electricity Boards	..	102
From other sources, including other departments of the same firms	23,455	87
All other purchased fuel		51
Total cost		53,491

(a) The total quantity of electricity generated in firms' own establishments in this industry in 1954 was 4,538 Th.kWh.

BUILDING MATERIALS

Average number of employees and wages, salaries and superannuation payments (a)
Larger establishments in the United Kingdom

TABLE 10

	1951	1954
Average number of employees	Number	Number
Operatives	45,555	47,664
Administrative, technical and clerical employees	8,951	9,831
Total	54,506	57,495
Wages and salaries paid to	£'000	£'000
Operatives	17,660	23,005
Administrative, technical and clerical employees	4,509	5,759
Total	22,169	28,764
Wages and salaries per head	£	£
Operatives	388	483
Administrative, technical and clerical employees	504	586
Superannuation and other pension funds for employees and dependents (b)		£'000
Employers' contributions		316
Employees covered		Number
		14,638
Pension, etc. payments to former employees and dependents (b)		£'000
		55

(a) The following persons, not included above, were also employed by larger establishments ('other workers' includes, for example, employees engaged in merchanting). The number of outworkers employed and payments made to them are also shown:

	1951	1954
	Number	Number
Canteen workers		
Males	35	65
Females	309	321
Total	344	386
Other workers		
Males	1,244	1,227
Females	320	247
Total	1,564	1,474
Total excluded employees	1,908	1,860
Outworkers		
Males	5	12
Females		6
Total	5	18
Payment to outworkers	£'000	£'000
	2	3

(b) The figures given relate to larger establishments in Great Britain only.

Employment in a specified week (a)

Larger establishments in the United Kingdom

TABLE 11

	1951			1954		
	Males*	Females	Total	Males	Females	Total
Working proprietors	165	12	177	170	6	176
Operatives	43,952	1,795	45,747	45,836	1,817	47,653
Administrative, technical and clerical employees	6,527	2,489	9,016	7,276	2,840	10,116
Total employees	50,479	4,284	54,763	53,112	4,657	57,769

(a) Week ended September 22, 1951, or October 30, 1954.

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