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BOARD OF TRADE

THE REPORT ON THE CENSUS OF PRODUCTION FOR 1958

Part 4

CHALK, CLAY, SAND AND GRAVEL EXTRACTION

*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)*

LONDON: HER MAJESTY'S STATIONERY OFFICE

1961

TWO SHILLINGS NET

NOTES

These notes give only the main information which is needed for interpreting the census figures. Fuller explanations are given in a separate booklet of Introductory Notes (Part 1 of the Report on the Census of Production for 1958).

CHANGES IN THE 1958 CENSUS

Some changes were introduced in the 1958 census, which affect the comparability between 1954 and 1958 figures.

Returns in full detail were required only from firms employing 25 or more persons, instead of, as previously, from firms employing 11 or more persons.

The coverage of firms' returns for 1958 was in many cases rather wider than for 1954. In both years the census was based on the establishment, comprising in most cases the whole of the premises under the same ownership or management at a particular address (e.g. a factory or mine); but offices, warehouses, laboratories, etc. at addresses separate from the works were treated as part of the establishment. For 1958, but not for 1954, firms were asked to include also, in all sections of their returns, particulars relating to merchanting or factoring, canteens operated by them, and other ancillary activities, such as bottling, packing, and the manufacture of containers for packing their own products, whether or not these activities were carried on at the same address as the works, unless

they were conducted by a separate company, or by a separate department with a separate set of accounts; building and engineering maintenance departments were treated similarly. Selling and transport departments were treated in this way both for 1954 and 1958. While the effect of including these further ancillary activities was generally to produce higher figures for employment etc., the reporting of separate figures for merchant goods led to the exclusion of some firms who proved to be merchants with only minor productive activities.

Changes made for 1958 in the instructions governing the making of returns for two or more establishments operated by the same firm permitted combined returns to be made more freely than in previous censuses. Combined returns were accepted covering establishments in the same census industry, and situated in the same country (i.e. England, Scotland or Wales).

The 1954 figures have been re-tabulated to correspond as closely as possible to those for 1958, but because of the changes described above the correspondence is not always exact.

TERMS USED IN THE CENSUS REPORTS

CAPITAL EXPENDITURE

The expenditure on new building work shown excludes the cost of land and existing buildings purchased; for plant, machinery and vehicles both new and second-hand items are included. The value is that charged to capital account during the year, including any transport and installation cost involved. Capital expenditure in respect of establishments in Great Britain where production had not started before the end of the year is included in Table 1.

CHARACTERISTIC PRODUCTS (See the description of the method of classification before List of Tables)

EMPLOYMENT

(i) Working proprietors

These include all persons regarded as 'self-employed' for National Insurance purposes, and members of their families who worked in the business without receiving fixed wages or salaries; but persons working less than half the normal hours are excluded.

(ii) Employees

Employees are classified under the two main headings of (a) administrative, technical and clerical employees and (b) operatives. The figures relate to persons on the pay-roll (i.e. whose National Insurance cards were held by employers), whether full-time or part-time employees. The figures for 1958 include, but those for 1954 exclude, persons engaged in merchanting or factoring, and canteen workers.

Administrative, technical and clerical employees include 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, that is, broadly speaking, all manual wage earners. They include those employed in and about the factory or works; operatives employed in power houses, transport work, stores, warehouses and, for 1958, canteens; inspectors, viewings and similar workers; maintenance workers; and cleaners. Operatives engaged in outside work of erection, fitting etc. are also included, but outworkers (i.e. persons employed by the firm who worked on materials

supplied by the firm in their own homes, etc.) are excluded.

(iii) Total employment

This is the sum of the average number of employees and the number of working proprietors; outworkers are excluded.

ENTERPRISE

The term enterprise is used in this report to mean one or more firms under common ownership or control as defined in the Companies Act, 1948. An enterprise normally consists either of a single firm, or of a holding company together with its subsidiary companies.

ENTRIES

The number of entries shown in Tables 4, 5 and 7 is the number of returns on which figures against a particular output or production heading were recorded. The number of entries is less than the corresponding number of establishments to the extent that combined returns were made covering more than one of the establishments concerned.

ESTABLISHMENT

In most cases an establishment comprises the whole of the premises under the same ownership or management at a particular address (e.g. a factory or mine). Offices, warehouses, laboratories and other ancillary places of business at a separate address from the works were treated as part of the establishment.

INTERMEDIATE PRODUCTS

For some industries figures are given showing the total quantities made during the year of important intermediate products, i.e. products which may be further processed in the establishments in which they are produced, whether or not they are also sometimes sold. They include also goods produced from materials supplied by other firms.

MATERIALS AND FUEL

The totals shown include the cost of all purchases of materials and components for use in production, and of fuel (including oil, gas and electricity) for all purposes including heating, lighting and transport (where carried out by firms' own staff included in the return); all packing

materials, including the full cost of returnable cases and containers when first purchased; workshop materials; office materials; water charges; materials for repairs to firms' own buildings, plant and vehicles when carried out by their own work-people included in the return; consumable tools; and parts for machinery purchased during the year as replacements. Purchases of goods for merchandising or factoring, and canteen supplies, are included for 1958 but not for 1954. Materials supplied by customers for processing are excluded for both years.

The values shown include any duty paid (less rebate, etc.) but exclude trade discounts allowed. The cost of transport was included only if included in the cost of materials as invoiced; amounts paid to transport organisations, including firms' own separate transport organisations, for delivery of materials and fuel are therefore excluded. Materials purchased overseas were entered at their c.i.f. cost plus any duty if the cost of transport from the docks was not included in the invoiced price, and at their full delivered cost if invoiced 'carriage paid home'.

NET OUTPUT

The net output of an industry represents the value added to materials by the process of production and includes for 1958 the gross margin on any merchanted or factored goods sold; it 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. There is no appreciable duplication in net output.

Net output was normally obtained by taking the total value of sales and work done (including, for 1958, the value of merchanted goods sold and canteen takings); adding the value of stocks at the end of the year and deducting their value at the beginning of the year; and deducting also the cost of materials and fuel purchased (including, for 1958, the value of goods purchased for merchandising and canteen supplies), payments for work given out to other firms, and payments for transport. The net amount of duty paid was deducted, and the net amount of subsidy received added.

NET OUTPUT PER PERSON EMPLOYED

The figures for net output per person employed are derived by dividing net output by total employment (see above).

PRINCIPAL PRODUCTS (See the description of the method of classification before List of Tables)

SALES

Sales include goods made by the business covered by the return, those made for it by out-workers or by other firms from materials given out to them (sometimes described as goods made on commission), and waste products sold. Any machinery or other capital items produced for use in the business covered by the return are also included, the value being that adopted in the firm's capital account for income tax purposes. Goods sold without being subjected to any manufacturing process (merchanted or factored) and canteen takings are included for 1958 but not for 1954; where the total sales of merchanted or factored goods were less than £5,000, firms were permitted to include them with the figures for sales of goods of their own production.

The value shown for sales is the net selling

SYMBOLS USED

The following symbols are used throughout the reports:

- .. for not available
- for nil or negligible (less than half the final digit shown)

value, defined as the amount charged to customers whether on an ex-works or delivered basis, net of any trade discounts, agents' commissions, allowances for returnable cases, purchase tax, etc.; the net amount charged for packing materials is included. Goods charged on a delivered basis to customers overseas, are included at the f.o.b. value. For work done on commission or for the trade, the value shown is the net amount charged. With a few exceptions, receipts for business and other services are not included.

To the extent that the finished products of one establishment constitute the materials purchased by another, total figures of the value of sales (and of materials and fuel purchased) include an element of duplication.

STOCKS AND WORK IN PROGRESS

The values shown are the income tax values of stocks of products on hand for sale, and of materials and fuel, at the beginning and end of the year of return. For 1958, but not for 1954, they include any stocks of goods held for merchandising or factoring. The value of work in progress at the two dates is also usually shown. This excludes any progress payments made to sub-contractors, and no deduction is made on account of progress payments received.

TRANSPORT PAYMENTS

These represent the total amount paid or credited during the year for both outwards transport of finished goods sold and inwards transport of materials and fuel purchased. They include payments to other firms, and to any separate transport organisation of the same firm, not covered by the return, but exclude the value of transport services provided by the business covered by the return. The items included are payments for hired cartage and for inwards and outwards carriage by all forms of inland transport, that is railways, road haulage, canals, coast-wise shipping, air, etc. Payments made for sea freight on goods sold to customers overseas and on materials and fuel purchased from overseas suppliers are excluded.

WAGES AND SALARIES

These are the amounts paid during the year to operatives and to administrative, technical and clerical employees. Payments to working proprietors, whether called salaries or not, are excluded. The values shown include all overtime payments, bonuses and commissions, whether paid regularly or not, and no deduction is made for income tax, insurances, contributory pensions, etc. The value of any payments in kind, travelling expenses, lodging allowances, etc. is excluded.

Figures are also shown for average salaries etc. paid per head for the week ended 25th October, 1958. For staff paid monthly, the figures are based on payments made in October, 1958. Where payments related to periods other than a week or month, an appropriate proportion was returned. Only those bonuses and commissions actually paid in the period are included.

WORK GIVEN OUT

The figures shown represent the total amount paid for work done by other firms on materials supplied to them, and also by firms' own establishments for which separate returns were made. They do not include payments to individual outworkers or payments for business and other services.

ROUNDING OF FIGURES

The figures in the tables have, where necessary, been rounded to the nearest final digit. There may, therefore, be apparent slight discrepancies between the sums of the constituent items and the totals shown.

The Report on the Census of Production for 1958

Part 4. CHALK, CLAY, SAND AND GRAVEL EXTRACTION

This report on the Chalk, Clay, Sand and Gravel Extraction Industry relates to establishments engaged in quarrying chalk, clay, sand and gravel and in such ancillary activities as cleaning, washing, grading, etc. normally carried out at pits and quarries. The industry corresponds to minimum list heading 103 of the second (1958) edition of the Standard Industrial Classification, which has been used for the first time in the 1958 Census.

This industry formed part of Industry 1B (Non-metalliferous Mines and Quarries) in the reports on the last detailed Census of Production, for 1954; stone quarrying, formerly included now forms part of minimum list heading 102 and is included in the report on Stone and Slate Quarrying and Mining (Part 3); the extraction of fluorspar, barytes, gypsum, oil shale, graphite, alum, etc., also formerly included in Industry 1B, now form part of minimum list heading 109 and are included in the report on Salt and Miscellaneous Non-metalliferous Mining and Quarrying (Part 6).

For 1958, returns in full detail were required only from firms employing twenty-five or more persons and most of the tables in this report relate only to these larger firms. This is an important change from previous censuses when returns in full detail were required from firms employing eleven or more persons on productive work. In this industry, however, where small firms account for a relatively large proportion of employment and output, a sample of firms employing fewer than twenty-five persons was asked to complete a simplified version of the full census form; estimates based on the information received from these small firms are given in Tables 2(ii) and 4(i). Estimates for the industry as a whole are given in Table 1.

There were some other changes in the 1958 Census, which affect the comparability between 1954 and 1958 figures; these are explained in the notes prefacing this report.

The mining and quarrying industries were excluded from the censuses for 1954 and 1958 taken in Northern Ireland and the tables in this report relate, therefore, only to Great Britain.

METHOD OF CLASSIFICATION

This industry is defined in terms of its 'principal products' which are those shown in Table 4(ii). A census return was classified to this industry if the sales of the principal products of this industry accounted for a greater proportion of its output than the principal products of any other industry. Where, however, the application of this rule would have resulted in a change of classification between 1954 (on the revised basis) and 1958, the return was classified to the same industry as for 1954 unless the output of principal products in the new industry was one third more than in the old; this modification of the general rule was designed to avoid discontinuities as the result of marginal changes of output between the two censuses. Sales of merchanted products and of non-specific items such as waste products, work done and canteen takings were not taken into account in classifying returns.

A similar procedure was followed in classifying to the sub-divisions of the industry shown in Table 2(i), the sub-divisions being defined in terms of their 'characteristic products'. The numbers shown in the left hand column of Table 4(ii) identify the sub-division of which the item is a characteristic product. The total value of sales of characteristic products shown in Table 2(i) includes, besides the products which define the sub-divisions, other items of output assumed to be closely related to them, e.g. waste products and non-specific work done, but such items were not generally taken into account in determining the classification to sub-divisions.

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Industry summary: Great Britain

TABLE 1 Estimates for all firms (a)

	Unit	1954	1958	
Number of enterprises	No.	..	821	
Number of establishments	"	..	1,126	
Sales	{ goods produced and work done (b)	£'000	26,649	39,458
	{ merchanted goods and canteen takings	"	..	1,160
	Value of outwards transport on goods sold carried out by outside transport organisations	"	- 7,236	8,743
	Value of transport of quarry products carried out by firms' own employees	"	2,829	5,280
Purchases of materials and fuel (c)	"	8,189	12,415	
Products on hand for sale (c)	{ change during year	"	+ 34	+ 196
	{ at end of year	"	1,245	1,682
Stocks of materials and fuel (c)	{ change during year	"	- 12	- 40
	{ at end of year	"	1,734	2,235
Payments for work done on materials given out	"	68	93	
Payments for transport	"	7,519	9,118	
Net output	"	20,961	33,173	
Average number employed (d)	{ operatives	Th.	15.5	16.3
	{ other employees	"	2.7	3.3
	{ total, including working proprietors	"	18.5	19.8
Wages and salaries	{ of operatives	£'000	7,655	9,926
	{ of other employees	"	1,597	2,391
Capital expenditure (e)				
New building work	"	339	402	
Plant and machinery	{ acquisitions	"	1,648	2,356
	{ disposals	"	128	106
Vehicles	{ acquisitions	"	430	923
	{ disposals	"	57	204

(a) For items in this table which are also shown in Table 2(ii) estimates for 1958 in respect of unsatisfactory returns account for about 6 per cent. of the figures shown. For other items (which no small firms were asked to report) estimates for small firms and unsatisfactory returns account for 37 per cent. of the figures shown. Summaries of the detailed returns received are given in Table 2(i) for the large firms and in Table 2(ii) in respect of information collected from the sample of small firms.

(b) Sales of products are valued at ex-quarry or ex-works prices, the cost of transport being shown separately.

(c) Goods for merchenting and canteen supplies are included for 1958 but excluded for 1954.

(d) Persons engaged in merchenting or factoring and canteen workers are included for 1958 but excluded for 1954.

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

Analysis by sub-divisions of

Firms employing 25 or more

TABLE 2 (i)

	Unit	Sub-divisions of the industry (b)		
		Sand and gravel		
		01		
		1954	1958	
Number of enterprises (c)	No.	88	90	
Number of establishments	"	165	216	
Sales	{ goods produced and work done (d)	£'000	8,439	14,087
	{ merchanted goods and canteen takings	"	..	721
	Value of outwards transport on goods sold carried out by outside transport organisations	"	3,535	4,179
	Value of transport of quarry products carried out by firms' own employees	"	1,600	2,234
Sales of characteristic products	"	7,836	13,129	
Purchases of materials and fuel (e)	"	2,697	4,767	
Products on hand for sale (e)	{ change during year	"	+ 40	+ 45
	{ at end of year	"	131	242
Stocks of materials and fuel (e)	{ change during year	"	+ 2	+ 36
	{ at end of year	"	524	591
Payments for work done on materials given out	"	3,581	46	
Payments for transport	"		4,252	
Net output	"	7,339	12,237	
Average number employed (f)	{ operatives	No.	4,318	5,024
	{ other employees	"	865	1,122
	{ total, including working proprietors	"	5,201	6,150
Net output per person employed	£	1,411	1,990	
Wages and salaries	{ of operatives	£'000	2,178	3,185
	{ of other employees	"	533	836
Wages and salaries per head	{ operatives	£	504	634
	{ other employees	"	616	745
Capital expenditure (g)				
New building work	£'000	97	90	
Plant and machinery	{ acquisitions	"	578	881
	{ disposals	"	59	54
Vehicles	{ acquisitions	"	227	544
	{ disposals	"	32	117

the industry: larger firms

persons: Great Britain (a)

Sub-divisions of the industry (b)						Total	
China clay		Other clay, brick-earth, marl and shale (other than oil shale)		Chalk			
02		03		04			
1954	1958	1954	1958	1954	1958	1954	1958
13	12	31	25	4	3	133	128
62	66	47	41	7	13	281	336
5,568	7,536	2,584	2,404	155	234	16,746	24,262
..	-	..	3	..	-	..	723
618	751	366	423	28	140	4,547	5,494
63	76	61	149	53	16	1,778	2,475
4,791	7,058	2,250	2,184	89	218		
1,695	2,175	671	657	83	61	5,146	7,660
+ 5	+ 24	- 24	+ 53	-	+ 1	+ 22	+ 123
447	578	203	235	1	3	782	1,057
- 24	- 71	+ 13	+ 5	+ 1	+ 5	- 8	- 25
449	591	108	204	10	19	1,089	1,404
788	13	-	-	-	-	43	59
3,748	5,222	1,961	1,952	123	195	13,171	19,605
3,426	3,390	2,012	1,830	103	125	9,859	10,369
577	681	277	217	26	71	1,745	2,091
4,003	4,071	2,289	2,047	129	196	11,622	12,464
936	1,283	857	953	956	993	1,133	1,573
1,588	1,887	1,053	1,162	44	74	4,864	6,307
295	453	171	191	15	39	1,014	1,519
464	557	523	635	430	589	493	608
511	665	617	882	590	549	581	726
91	127	23	33	1	-	212	251
342	507	89	89	9	4	1,018	1,481
8	9	4	3	9	-	81	67
7	5	35	13	2	18	271	580
1	2	3	5	-	5	36	128

For footnotes to the table, see page 4/7

CHALK, CLAY, SAND AND GRAVEL EXTRACTION

Summary for small firms, 1958

TABLE 2(ii) Firms employing fewer than 25 persons that made satisfactory returns: Great Britain (a)

	Unit	1958
Number of returns	No.	679
Sales	£'000	12,619
		362
Value of transport of quarry products carried out by firms' own employees	"	2,366
Purchases of materials and fuel (c)	"	3,947
Net output (d)	"	11,401
Total employment, including working proprietors (e)		
Males	No.	5,761
Females	"	347

- (a) Only a sample of firms supplied the full range of information, the remainder giving employment figures only. Except for employment, the figures given are estimates based on the full returns made, which accounted for 58 per cent. of the total employment shown, which itself represents 86 per cent. of estimated employment in small firms in this industry (including those for which satisfactory returns were not made).
 (b) Sales of products are valued at ex-quarry or ex-works prices, the cost of transport being shown separately.
 (c) Goods for merchandising and canteen supplies are included.
 (d) Here defined as the difference between the value of sales (including value of transport of quarry products carried out by establishments' own employees) and the cost of purchases of materials and fuel.
 (e) Persons engaged in merchandising or factoring and canteen workers are included.

Analysis by size of enterprise within the industry, 1958

TABLE 3 Firms employing 25 or more persons: Great Britain

Average number employed by the enterprise in this industry (a)	Enterprises	Establishments	Total sales (b)	Net output	Employees		Wages and salaries		Capital expenditure (c)	Net output per person employed (a)
					Operatives	Others	Operatives	Others		
	Number	Number	£'000	£'000	Number	Number	£'000	£'000	£'000	£
25 - 49	61	92	3,993	3,334	1,758	317	1,126	240	512	1,604
50 - 99	46	95	5,969	4,647	2,589	509	1,573	383	534	1,500
100 - 199	13	48	4,702	3,760	1,555	363	961	252	425	1,960
200 and over	8	101	10,321	7,863	4,467	902	2,648	645	841	1,464
Total	128	336	24,985	19,605	10,369	2,091	6,307	1,519	2,312	1,573

- (a) Including working proprietors.
 (b) Value of sales of goods (including merchanted goods), work done, and canteen takings. Sales of products are valued at ex-quarry or ex-works prices, the cost of transport being excluded.
 (c) Capital expenditure on new building work and on acquisition of plant, machinery and vehicles. Excluding expenditure for establishments not yet in production.

CHALK, CLAY, SAND AND GRAVEL EXTRACTION

4/7

Estimates of total sales of principal products of the industry, 1958

TABLE 4(i) Firms that made satisfactory returns: Great Britain

	Totals for larger firms and for small firms (a) (b)	Small firms in the industry (b) (c)
	£'000	£'000
Sand and gravel		
Moulding and pig-bed sand	1,122	864
Glass-making sand	1,397	77
Sand and gravel for all other purposes, including building sand and gravel	22,082	10,225
Clay, brick-earth, marl and shale		
Fireclay (including saggar marl)	1,583	340
Ball clay and potters' clay	1,026	44
China clay	7,192	31
China stone	187	28
All other clay, fullers earth, brick-earth, marl and shale other than oil shale	995	140
Chalk	545	287
Work done (d)	432	52
Total	36,561	12,090(e)

- (a) Including sales of principal products of the industry by larger firms, but not by small firms, classified to other industries. For a more detailed analysis of sales by larger firms see Table 4(ii).
 (b) Sales of products are valued at ex-quarry or ex-works prices, the cost of transport being excluded.
 (c) Estimates based on a sample which covered 58 per cent. of the total employment of small firms that made satisfactory returns.
 (d) Including any roadmaking (inclusive of the value of minerals raised) carried out by small firms.
 (e) In addition, sales by small firms of goods other than principal products of the industry (but excluding merchanted goods), amounted to £530,000.

Footnotes to Table 2(i)

- (a) For small firms' summary see Table 2(ii).
 (b) The method of classifying returns to sub-divisions of the industry is explained at the beginning of this report; the characteristic products of each sub-division are identified in Table 4(ii).
 (c) The sum of the figures for the sub-divisions exceeds the total for the industry to the extent that enterprises made returns for more than one sub-division.
 (d) Sales of products are valued at ex-quarry or ex-works prices, the cost of transport being shown separately.
 (e) Goods for merchandising and canteen supplies are included for 1958 but excluded for 1954.
 (f) Persons engaged in merchandising or factoring and canteen workers are included for 1958 but excluded for 1954.
 (g) Excluding expenditure at establishments not yet in production.

Sales of principal products of the industry by larger firms, including sales by establishments classified to other industries

TABLE 4(ii) Firms employing 25 or more persons: Great Britain (a)

Industry sub-division (b)	1954		1958		Enter-prises	Entries
	Quantity	Value (c)	Quantity	Value (c)		
	Th. tons	£'000	Th. tons	£'000	Number	Number
Sand and gravel						
01 Moulding and pig-bed sand	389	277	266	258	5	5
01 Glass-making sand	406	333	780	1,319	..	..
01 Sand and gravel for all other purposes including building sand and gravel	17,286 ..	6,732 817	24,825	11,857	117	128
Clay, brick-earth, marl and shale						
03 Fireclay (including saggar marl)	866	1,371	612	1,243	67	77
03 Ball clay and potters' clay	300	819	324	982	8	10
02 China clay	972	4,885	1,224	7,161	13	13
03 China stone			35	159	..	..
03 All other clay, fullers earth, brick-earth, marl and shale other than oil shale	728 ..	1,175 135	610 ..	614 241	77	87
04 Chalk	580	218	470	257	11	11
Work done other than roadmaking		95		380	22	22
Total		16,857		24,472	..	..
Sales in other industries (see Table 5)		1,356		1,395	..	..
Principal products of this industry sold by establishments in the industry		15,501		23,077	128	147(d)

(a) In addition to the sales shown the following quantities of minerals were raised in 1958 and used in the manufacture of bricks, cement, etc. by firms making returns in the following industries:

Bricks, Fireclay and Refractory Goods Industry		Cement Industry	
	Th. tons		Th. tons
Fireclay (including saggar marl)	1,068	Clay	2,751
Other clays		Chalk	9,089
Brick-earth and clay, marl and shale	21,080		
Other kinds	383		
Sand	37		

- (b) The number given is that of the sub-division of which the item is a characteristic product. The sales shown are total sales by larger firms, not merely sales by establishments classified to the sub-division.
(c) Sales of products are valued at ex-quarry or ex-works prices, the cost of transport being excluded.
(d) This figure represents the total number of returns made by larger firms in this industry, which is less than the total number of establishments shown in Table 2(i) on account of combined returns covering more than one establishment.

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

TABLE 5 Firms employing 25 or more persons: Great Britain

	1954		1958		Principal industries in which produced (a)	
	Quantity	Value	Quantity	Value		
	Th. tons	£'000	Th. tons	£'000	Number	
Sand and gravel, except glass-making sand	430 ..	155 86	800	444	25	3, 104, 109, 128
Clay, brick-earth, marl and shale						
Fireclay (including saggar marl)	330	715	259	591	58	3, 104
All other clay, fullers earth, brick-earth, marl and shale other than oil shale	469 ..	136 135	422 ..	70 241	85	104, 105
Chalk	379	129	117	50	..	109
Total		1,356		1,395	..	

(a) The references given are to the list of industries at the back of this report.

Sales of other than principal products by larger firms in the industry

TABLE 6 Firms employing 25 or more persons: Great Britain

	1954		1958	
	Quantity	Value	Quantity	Value
	Th. tons	£'000	Th. tons	£'000
Pre-cast concrete goods	127 ..	572 84	87 ..	349 113
Other products	..	489	..	570
Roadmaking (construction, maintenance or repairs), inclusive of the value of minerals raised at establishments in this industry and other work done	..	100	..	152
Total value of goods sold without being subjected to any manufacturing process (merchanted or factored)	..	..	..	720
Canteen takings		..		3
Total		..		1,908

CHALK, CLAY, SAND AND GRAVEL EXTRACTION

TABLE 7 - Total make of intermediate products, 1958

This table is not applicable to the industry.

Employment and salaries, etc. for the week ended October 25, 1958

TABLE 8 Firms employing 25 or more persons: Great Britain

	Males	Females	Total
	Number	Number	Number
Working proprietors	3	1	4
Operatives	10,529	58	10,587
Administrative, technical and clerical employees	1,463	663	2,126
Total employees	11,992	721	12,713
Average salaries, etc. paid per head for the week to administrative, technical and clerical employees	£ 15.7	£ 6.0	£ 12.7

LIST OF INDUSTRY REPORTS, ETC.

Part

- 1 Introductory Notes
- 2 Coal Mining
- 3 Stone and Slate Quarrying and Mining
- 4 Chalk, Clay, Sand and Gravel Extraction
- 5 Metalliferous Mining and Quarrying
- 6 Salt and Miscellaneous Non-metalliferous Mining and Quarrying
- 7 Grain Milling
- 8 Bread and Flour Confectionery
- 9 Biscuits
- 10 Bacon Curing, Meat and Fish Products
- 11 Milk Products
- 12 Sugar
- 13 Cocoa, Chocolate and Sugar Confectionery
- 14 Fruit and Vegetable Products
- 15 Animal and Poultry Foods
- 16 Margarine
- 17 Starch and Miscellaneous Food Industries
- 18 Brewing and Malting
- 19 Spirit Distilling and Compounding
- 20 Soft Drinks, British Wines, Cider and Perry
- 21 Tobacco
- 22 Coke Ovens and Manufactured Fuel
- 23 Mineral Oil Refining
- 24 Lubricating Oils and Greases
- 25 Dyestuffs
- 26 Fertilizers, and Chemicals for Pest Control
- 27 Coal-tar Products
- 28 Chemicals (General)
- 29 Pharmaceutical Preparations
- 30 Toilet Preparations
- 31 Explosives and Fireworks
- 32 Paint and Printing Ink
- 33 Vegetable and Animal Oils and Fats
- 34 Soap, Detergents, Candles and Glycerine
- 35 Synthetic Resins and Plastics Materials
- 36 Polishes
- 37 Gelatine, Adhesives, etc.
- 38 Iron and Steel (General)
- 39 Steel Tubes
- 40 Iron Castings, etc.
- 41 Non-ferrous Metals
- 42 Agricultural Machinery (except Tractors)
- 43 Metal-working Machine Tools
- 44 Engineers' Small Tools and Gauges
- 45 Industrial Engines
- 46 Textile Machinery and Accessories
- 47 Contractors' Plant and Quarrying Machinery
- 48 Mechanical Handling Equipment
- 49 Office Machinery
- 50 Miscellaneous (Non-electrical) Machinery
- 51 Industrial Plant and Steelwork
- 52 Ordnance and Small Arms
- 53 General Mechanical Engineering
- 54 Scientific, Surgical and Photographic Instruments, etc.
- 55 Watches and Clocks
- 56 Electrical Machinery
- 57 Insulated Wires and Cables
- 58 Telegraph and Telephone Apparatus
- 59 Radio and Other Electronic Apparatus
- 60 Domestic Electrical Appliances
- 61 Miscellaneous Electrical Goods
- 62 Shipbuilding and Marine Engineering
- 63 Motor Vehicle Manufacturing
- 64 Motor Cycle, Three-wheel Vehicle and Pedal Cycle Manufacturing
- 65 Aircraft Manufacturing and Repairing
- 66 Locomotives and Railway Track Equipment
- 67 Railway Carriages and Wagons and Trams
- 68 Perambulators, Hand-trucks, etc.
- 69 Tools and Implements

Part

- 70 Cutlery
- 71 Bolts, Nuts, Screws, Rivets, etc.
- 72 Wire and Wire Manufactures
- 73 Cans and Metal Boxes
- 74 Jewellery, Plate and Refining of Precious Metals
- 75 Miscellaneous Metal Manufactures
- 76 Production of Man-made Fibres
- 77 Spinning and Doubling of Cotton, Flax and Man-made Fibres
- 78 Weaving of Cotton, Linen and Man-made Fibres
- 79 Woollen and Worsted
- 80 Jute
- 81 Rope, Twine and Net
- 82 Hosiery and Other Knitted Goods
- 83 Lace
- 84 Carpets
- 85 Narrow Fabrics
- 86 Household Textiles and Handkerchiefs
- 87 Canvas Goods and Sacks
- 88 Textile Finishing
- 89 Asbestos
- 90 Miscellaneous Textile Industries
- 91 Textile Converting
- 92 Leather (Tanning and Dressing) and Fellmongery
- 93 Leather Goods
- 94 Fur
- 95 Weatherproof Outerwear
- 96 Men's and Boys' Tailored Outerwear
- 97 Women's and Girls' Tailored Outerwear
- 98 Overalls and Men's Shirts, Underwear, etc.
- 99 Dresses, Lingerie, Infants' Wear, etc.
- 100 Hats, Caps and Millinery
- 101 Corsets and Miscellaneous Dress Industries
- 102 Gloves
- 103 Footwear
- 104 Bricks, Fireclay and Refractory Goods
- 105 Pottery
- 106 Glass
- 107 Cement
- 108 Abrasives
- 109 Miscellaneous Building Materials, etc.
- 110 Timber
- 111 Furniture and Upholstery
- 112 Bedding, etc.
- 113 Shop and Office Fitting
- 114 Wooden Containers and Baskets
- 115 Miscellaneous Wood and Cork Manufactures
- 116 Paper and Board
- 117 Cardboard Boxes, Cartons and Fibre-board Packing Cases
- 118 Miscellaneous Manufactures of Paper and Board
- 119 Printing and Publishing of Newspapers and Periodicals
- 120 General Printing, Publishing, Bookbinding, Engraving, etc.
- 121 Rubber
- 122 Linoleum, Leathercloth, etc.
- 123 Brushes and Brooms
- 124 Toys, Games and Sports Equipment
- 125 Miscellaneous Stationers' Goods
- 126 Plastics Moulding and Fabricating
- 127 Miscellaneous Manufacturing Industries
- 128 Construction
- 129 Gas
- 130 Electricity
- 131 Water Supply
- 132 Index of Products
- 133 Summary Volume
- 134 Summary Volume
- 135 Summary Volume

CENSUS OF PRODUCTION REPORTS FOR OTHER RECENT YEARS

The census reports for earlier years include some items which are not included in the Report on the Census of Production for 1958. The most recent reports are listed below, with an indication of any important items they contain which do not appear in the 1958 Reports. The data in all these earlier reports is analysed in accordance with the original (1948) edition of the Standard Industrial Classification.

Census of Production for 1951: Summary Tables, Part I (H.M.S.O., 1956. Price 6s. net).

No important items which do not appear in the 1958 Reports.

Census of Production for 1951: Summary Tables, Part II (H.M.S.O., 1956. Price 6s. net).

Channels of sales, 1948

Payments for services, 1948

Shift working, 1951

Power equipment, 1951

Prime movers, 1951

Analysis of periods covered by census returns, 1948 and 1951.

The Report on the Censuses of Production for 1952 and 1953. Introductory Notes and 5 volumes. (These volumes are now out of print.)

No important items which do not appear in the 1958 Reports.

The Report on the Census of Production for 1954. Introductory Notes, Index of Products, and 154 booklets relating to individual industries (H.M.S.O., 1956-59. Prices vary, usually from 1s. 6d. to 2s. net for each booklet).

Detailed information about materials and fuel purchased.

Census of Production for 1954: Summary Tables, Part I (H.M.S.O., 1958. Price 9s. net).

Fuel purchased

Gas produced in certain industries

Electricity generated, purchased and sold

Materials purchased: iron and steel; non-

ferrous metals; paint; plastics materials;

cotton and rayon, nylon, etc. textiles; timber;

packing materials; replacement parts for plant

etc. (Information about purchases of other

materials is given in The Report on the Census

of Production for 1954.)

Census of Production for 1954: Summary Tables, Part II (H.M.S.O., 1959. Price 7s. net).

Regional analyses of gross output, net output and capital expenditure.

Census of Production for 1954: Summary Tables, Part III (H.M.S.O., 1959. Price 8s. net).

Sales of particular products by certain industries in Scotland and Wales.

The Report on the Censuses of Production for 1955, 1956 and 1957. Introductory Notes and 5 volumes (H.M.S.O., 1959. Prices 1s. 6d. to 3s. 6d. net according to size of volume).

No important items which do not appear in the 1958 Reports.

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