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DEPARTMENT OF TRADE AND INDUSTRY BUSINESS STATISTICS OFFICE

Report on the Census of Production 1968

125 - 155

Presented by the Department of Trade and Industry to Parliament in pursuance of the Statistics of Trade Act 1947 (10 & 11 Geo. 6 Cha. 39 Sec. 7)

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STATISTICS BACK-UP

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NOTES

1. These notes give the main information needed for interpreting the Census figures. More detailed information about the Census is given in a separate booklet - 'Description of the Census': Part I of the Report on the Census of Production for 1968.

SCOPE OF THE 1968 CENSUS AND CHANGES COMPARED WITH 1963

- The Census for 1968 was taken within the framework of the Standard Industrial Classification (Revised 1968) and covered all industries listed in Orders II to XXI, ie industries engaged in manufacturing, mining and quarrying, construction, and gas, electricity and water supply. As a result of the revision to the Standard Industrial Classification there have been changes compared with 1963 in the definitions of individual industries (details of which are given in the separate parts of the Report relating to them) and their allocation to Orders of the Standard Industrial Classification. Details are now given for some industries (in particular in the chemical and engineering sectors) which have not been separately distinguished before; while for the production of perambulators, hand trucks, etc for which there was a separate report for 1963, the particulars are now mainly included in the Report on the Toys, Games, etc Industry.
- 3. The number of separate industry reports has increased from 128 in the 1963 Census to 153 for the 1968 Census. Apart from the increase in the number of industries identified in the 1968 Census the revision of the Standard Industrial Classification also led to changes in the scope of the Census and the following activities, which were out of scope of the 1963 Census are included in the Census for 1968. The minimum list heading to which each is classified is shown in brackets.

| Peat cutting and digging | (109/4) |
|-----------------------------|---------|
| Heat treatment of milk | (215/1) |
| Coffee blending, grinding | |
| and roasting | (229/2) |
| Tea blending | (229/2) |
| Jacquard card cutting and | |
| designing | (335) |
| Preparation of oven ready | |
| poultry at packing stations | (214/2) |

Agricultural machinery repairing; boiler and motor-car breaking; and the sorting and cleaning of woollen and worsted hair rags which was in scope of the 1963 Census were excluded for 1968.

4. The rules used in classifying establishments to industries and to sub-divisions of industries were slightly changed for 1968. The most general change concerned the dropping of the rule by which in 1963 the classification of an establishment was only changed if the pattern of its output had altered considerably between two consecutive censuses. A number of changes which had limited application were also made, the most notable being

the treatment given to parts of machines, principal products of the mechanical engineering group of industries.

- 5. Another change concerned the exemption from the requirement to complete a detailed return. In this Census exemption applied to the establishment and not, as in previous censuses, to the firm. This meant that a firm with more than one establishment employing fewer than 25 persons at each, but with 25 or more persons in total, was exempted for 1968 from completing a detailed return (except in industries in which short forms were used see paragraph 19). In previous censuses such a firm would have been required to provide a combined detailed return covering all establishments.
- 6. There were a number of differences in the information collected compared with 1963, notably that the questions asked about employers' contributions to National Insurance, private pension schemes, etc for 1963 were not asked for 1968. Instead information was obtained from the Department of Employment resulting from their Labour Costs Survey, 1968 upon which estimates could be based.
- The method of collection of information on small establishments also differed between the 1963 and 1968 Censuses in selected industries where a short form was used; for the 1963 Census only a sample of small establishments was approached to give detailed information on their businesses, the remainder being required to provide simply a statement of the nature of work done and the average number of persons employed. For the 1968 Census all the small establishments in the selected 'short form' industries (with the exception of the Construction Industry (other than Public Authorities) where a 1 in 12 sample was used) were asked to provide detailed information.
- 8. Additional information about payments for certain services was obtained from a sample of enterprises in a supplementary inquiry into business expenses and receipts. This was in respect of payments for advertising, market research, professional services, royalties, etc and commercial insurance premiums. Receipts from royalties, etc were also collected in the supplementary inquiry. Similar data (except for that relating to professional services) were collected in 1963. The information is incorporated with Census data in Summary Tables 4 and 5 in Part 156.
- 9. For the purpose of this Report the 1963 returns for larger establishments have been reclassified to bring them into line with the Standard Industrial Classification (Revised 1968) wherever possible, but because of the nature of the questions asked in the 1963 Census it was not always possible to do so and the correspondence therefore is not always exact. It was more difficult to reclassify the 1963 forms for small establishments because of the absence of sales data and in such cases the pattern of reclassification

of returns from larger establishments was taken as a guide. Nevertheless the figures for 1963 in the reports are fairly closely comparable with those for 1968, except for some industries where new activities have been included or where significant changes were made in the coverage of sales headings. All important changes in classification are described in the introduction to the relevent industry reports.

TERMS USED IN THE CENSUS REPORTS

Average number employed

10. Establishments were required to state the number of persons on the payroll (ie whose National Insurance cards were held by them) on the average during the year of return, whether full-time or part-time employees. Separate figures were required for (a) administrative, technical and clerical employees and (b) operatives (see below). Averages could be calculated from figures relating to the last week of each calendar month. Establishments were also required to state the number of working proprietors (see below) where appropriate and these are included in total employment figures. Information on outworkers (ie persons employed by firms, who worked in their own homes on materials supplied by the establishment making the return) are excluded. The figures also include persons engaged in merchanting and factoring and canteen workers where particulars of these activities could not be excluded from the return.

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 a fixed wage or salary; but persons who worked less than half the normal number of working hours are excluded. Directors working in the business but not in receipt of a definite wage, salary or commission are included under this heading, but directors paid by fee only are excluded.

Employees

- (i) Administrative, technical and clerical employees include managing and other directors in receipt of a definite wage, salary or commission; managers, superintendents and works foremen; research, experimental, development, technical and design employees (other than operatives); draughtsmen and tracers; editorial staff, staff reporters, canvassers, competition and advertising staff; travellers; and office (including works office) employees.
- (ii) Operatives cover all other classes of employees, that is, broadly speaking all manual wage earners. They include those employed in or about the factory or works; in power houses, transport work, stores warehouses, shops and canteens; inspectors, viewers and similar workers; maintenance workers; cleaners. Operatives engaged in outside work of erection, fitting, etc are

also included, but outworkers are excluded. Information about the numbers of outworkers employed was collected only for the Gloves Industry.

Capital expenditure

(i) New building work

This represents the cost incurred during the year of new building and other new constructional work (including office buildings, canteens and the like used in connection with the business covered by the return, but not dwelling houses for employees). The value is that charged to capital account during the year of return; it includes expenditure on new buildings or on the extension and re-construction of old buildings, the value of works of a capital nature carried out by the establishment's own staff, and the cost of any newly constructed buildings purchased. Figures shown include any legal charges, stamp duties, agents' commissions, etc.

(ii) Land and existing buildings

The items shown are the capital cost of freeholds purchased and the capital cost or premium payable for leaseholds acquired (excluding the value of any assets acquired in taking over an existing business), and the amounts receivable for any freeholds or lease holds disposed of. The value is that charged to capital account during the year of return

(iii) Plant, machinery and vehicles

The items shown are the value of plant and machinery and of vehicles acquired, both new and second-hand, and the amount received for items disposed of during the year. The value of plant and machinery acquired includes plant, etc which firms produced for their own use in connection with the business covered by the return. The value of plant, etc acquired is the expenditure charged to capital account during the year of return less any discounts received, but including the cost of transport and installation. No deduction i made for depreciation, amortisation or obsolescence. The proceeds of items disposed of during the year exclude amounts written off for items scrapped.

(iv) Capital expenditure during the year in respect of establishments where production had not started before the end of the year is excluded from the figures for both 1963 and 1968.

Combined returns

11. A combined return is one which covers two or more establishments in the same census industry and in the same country (England, Scotland or Wales); the number of operative employed in each of the establishments covere by the return was required to be given.

Enterprise

12. The term enterprise is used in this Report to mean one or more establishments under common ownership or control. An enterprise consists of a single establishment, more than one establishment owned by the same firm

or a number of establishments owned by a parent company and its subsidiary companies. Information about the relationship between constituent companies of enterprises was obtained mainly from published sources, such as the Stock Exchange Year Book, supplemented by information from company reports and information supplied by establishments. The information available is not complete, but covers the largest and most important groups of industrial establishments and is believed sufficient to provide a worthwhile basis for analysis.

Establishment

13. For the 1968 Census an establishment is defined in accordance with the Standard Industrial Classification (Revised 1968) as being the smallest unit which can provide information normally required for an economic census, for example employment, expenses, turnover, capital formation. Establishments were asked to exclude from all sections of their returns particulars relating to any department not engaged in production for which separate records were kept. Where separate accounts were not kept, returns included details of merchanting or factoring, and other ancillary activities such as bottling, packing and manufacture of containers for packing their own products, whether or not these activities were carried on at the same address as the works, building and engineering maintenance, selling and transport and the operation of canteens.

Larger establishments are establishments in which 25 or more persons were employed on average during the year.

Small establishments are establishments in which fewer than 25 persons were employed on average during the year.

Gross output

14. The gross output of an industry is the aggregate value of goods made and other work done during the year by establishments classified to the industry. It is derived by subtracting from the value of sales and work done, the value of stocks of goods on hand for sale and work in progress at the beginning of the year and adding the value at the end of the year.

Net output

15. The net output of an industry represents the value added to the materials by the process of production. It includes the gross margin on any merchanted or factored goods sold: it constitutes the fund from which wages, salaries, hire of plant and machinery, payments for repairs and maintenance, cost of operating the road goods vehicles, 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 involved in adding together the net output of several establishments.

Net output has been obtained by deducting from gross output (see paragraph 14) the cost of purchases adjusted for stock changes, payments for work given out to other establishments and payments for transport.

Normally any customs duty or excise duty on materials purchased is included in the cost of materials. Similarly, finished goods sold have been valued as they were sold, duty paid or duty free. The amounts of duties, subsidies, allowances and levies receivable or payable, where of substantial importance to the industry, were required to be stated separately, and these items were taken into account when calculating net output.

Net output per person employed

16. The figures for net output per person employed are derived by dividing the net output by the average number of persons employed (full-time and part-time) on all activities covered by the returns, including operatives, administrative, technical and clerical employees and working proprietors, but excluding outworkers.

Purchases

17. Purchases include the cost of materials and components bought for use in production; of fuel and electricity for all purposes; of packaging materials, including the full cost of returnable cases and containers when first purchased; of workshop materials, office materials and materials for repairs to establishment's own buildings, plants and vehicles when carried out by their own work people included in the returns; of consumable tools; and parts for machinery purchased during the year of return as replacements. Water charges are also included. In general, purchases of goods for merchanting or factoring and canteen supplies are included. Materials supplied by customers for processing are excluded, as are all purchases charged to capital account.

The values shown include any duty paid (less rebate, etc) but exclude trade discounts allowed. The cost of transport is included only if included in the cost of materials as invoiced; amounts paid to transport organisations, including an establishment's own separate transport organisation, for delivery of materials and fuels are, therefore, excluded. Materials purchased overseas are included at their c.i.f. cost plus any duty payable if the cost of transport from the docks was not included in the invoiced price, but at their full delivery cost if invoiced 'carriage paid home'. Materials and fuel transferred from another department of the establishment not covered by the same return are included at the estimated selling value recorded by the other department.

Sales

18. Sales are in respect of goods made by the business covered by the return, goods made for it by outworkers or by other establishments from materials given out to them (sometimes described as goods made on commission) and waste products. Any machinery or other capital items produced for use by the business covered by the return are included, the value being that adopted in the establishment's asset accounts. Goods sold without being subjected to any manufacturing process (merchanted or factored) and canteen takings are included.

The value shown for sales is the net selling value, defined as the amount charged to customers whether on an ex-works or delivered basis, excluding any trade discounts, agents' commissions, allowance for returnable cases, purchase tax etc; the net amount charged for packaging materials is included. Goods charged on a delivered basis to customers overseas are included at the f.o.b. value.

Goods produced in one establishment and transferred to another establishment of the same firm not covered by the return were treated as sales by the producing establishment and valued as far as possible as if they had been sold to an independent purchaser. Goods transferred to wholesale or retail selling organisations for which separate accounts were kept were valued on the same basis.

To the extent that sales of 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.

Short form

19. This term is used to mean the simplified version of the full census forms sent to small establishments in industries where small establishments account for a relatively high proportion of total employment.

Standard Industrial Classification

20. The industries to which establishments and enterprises are classified are defined in terms of the Standard Industrial Classification (Revised 1968).

Stocks and work in progress

21. Values are given of stocks of goods on hand for sale, and of materials and fuel, at the beginning and end of year of return, including any stocks of goods held for merchanting or factoring. The values include duty in the case of dutiable goods held out of bond. The value of work in progress at the beginning and end of the year is also usually shown. This excludes any progress payments made to sub-contractors, and no deduction is made on account of progress payments received. Separate detail is,

however, given for progress payments received by manufacturers in industries producing capital items. In practice, figures of stocks and work in progress normally show the end of year values and the change, plus or minus, during the year.

Transport payments

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

Wages and salaries

23. These are the amounts paid during the year to operatives and to administrative, technical and clerical employees. Payments made 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 and employers'contributions to National Insurance and pensions schemes is excluded.

Symbols used

- 24. The following symbols are used throughout the report:
 - .. not available
 - nil or negligible (less than half the final digit shown)
- * figures cannot be shown owing to the risk of disclosing information about individual enterprises.

Rounding of figures

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

LIST OF INDUSTRY REPORTS, ETC

The symbol * indicates a report which includes additional tables containing particulars for small firms. In the report marked $\not\vdash$ the additional analysis for small establishments relates to a part of the industry only.

| Report Part No. | Description of the Census | Standard Industrial Classificati Reference |
|----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| | MINING AND QUARRYING | ORDER II |
| 2 3 4 5 6 | Coal mining *Stone and slate quarrying and mining *Chalk, clay, sand and gravel extraction Metalliferous mining and quarrying Petroleum and natural gas, salt and miscellaneous non-metalliferous mining and quarrying | 101 102 103 109/1 and 2 104,109/3 and 4 |
| | FOOD, DRINK AND TOBACCO | ORDER III |
| 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 | Grain milling Bread and flour confectionery Biscuits Bacon curing, meat and fish products Milk and milk products Sugar Cocoa, chocolate and sugar confectionery Fruit and vegetable products Animal and poultry foods Vegetable and animal oils and fats Margarine Starch and miscellaneous foods Brewing and malting *Soft drinks Spirit distilling and compounding British wines, cider and perry Tobacco | 211 212 213 214 215 216 217 218 219 221 229/1 229/2 231 232 239/1 239/2 240 |
| 10 | COAL AND PETROLEUM PRODUCTS | ORDER IV |
| 24 25 26 | Coke ovens and manufactured fuel Mineral oil refining Lubricating oils and greases | 261 262 263 |
| | CHEMICALS AND ALLIED INDUSTRIES | ORDER V |
| 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 | General chemicals (inorganic) General chemicals (organic) General chemicals (other than inorganic and organic) Pharmaceutical chemicals and preparations Toilet preparations Paint Soap and detergents Synthetic resins and plastics materials and synthetic rubber Dyestuffs and pigments Fertilizers Polishes Formulated adhesives, gelatine, etc Explosives, fireworks and matches Formulated pesticides and disinfectants Printing ink Surgical bandages, etc Photographic chemical materials | 271/1 271/2 271/3 272 273 274 275 276 277 278 279/1 279/2 279/3 279/4 279/5 279/6 279/7 |

on

| | | Standard | Repor | t | 0 |
|----------|--------------------------------------------------------------------------------------------|-------------------------------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| Report | | Industrial | Part | AND A LOCAL DESIGNATION AND ADDRESS OF THE PARTY OF THE P | Standard Industrial |
| No. | | Classification Reference | No. | | Classification Reference |
| | | North and an analysis of the second | | | nererence |
| | METAL MANUFACTURE | ORDER VI | 1 | METAL GOODS NOT ELSEWHERE SPECIFIED | ORDER XII |
| 44 | Iron and steel (general) | 311 | 87 | Engineers' small tools and gauges | 390 |
| 45 | Steel tubes | 312 | 88 | *Hand tools and implements | 391 |
| 46 | Iron castings, etc | 313 | 89 | Cutlery, spoons, forks and plated tableware, etc | 392 |
| 47 | Aluminium and aluminium alloys | 321 322 | 90 | Bolts, nuts, screws, rivets, etc Wire and wire manufactures | 393 |
| 48 | Copper, brass and other copper alloys | 323 | 91 92 | Cans and metal boxes | 394 |
| 49 | Miscellaneous base metals | 323 | 93 | //Jewellery and precious metals | 395 |
| | | | 94 | Metal furniture | 396 399/1 |
| | MECHANICAL ENGINEERING | ORDER VII | 95 | Drop forgings, etc | 399/5 |
| | MECHANICAL ENGINEERING | | 96 | Metal hollow-ware | 399/6 and 7 |
| 50 | Agricultural machinery (except tractors) | 331 | 97 | Miscellaneous metal goods | 399/2,3 and 4 |
| 51 | Metal-working machine tools | 332 | 100 | | and 399/8,9, |
| 52 | Pumps, valves and compressors | 333 | | | 10,11 and 12 |
| 53 | Industrial engines | 334 | | | |
| 54 | Textile machinery and accessories | 335 | 100 | TEXTILES | ORDER XIII |
| 55 | Construction and earth moving equipment | 336 337 | | TENTIBLO | ORDER ATTI |
| 56 | Mechanical handling equipment | 338 | 98 | Production of man-made fibres | 411 |
| 57 | Office machinery | 339/1 | 99 | Spinning and doubling on the cotton and flax systems | 411 |
| 58 | Mining machinery Printing, bookbinding and paper goods making machinery | 339/2 | 100 | Weaving of cotton, linen and man-made fibres | 413 |
| 59 60 | Refrigerating machinery (except domestic type refrigerators) | 339/3 | 101 | Woollen and worsted | 414 |
| 61 | Space heating, ventilating and air-conditioning equipment | 339/4 | 102 | Jute | 415 |
| 62 | Food and drink processing machinery | 339/7 | 103 | Rope, twine and net | 416 |
| 63 | Miscellaneous (non-electrical) machinery | 339/5,6,8 and 9 | 104 | Hosiery and other knitted goods | 417 |
| 64 | Industrial (including process) plant and steelwork | 341 | 105 | *Lace | 418 |
| 65 | Ordnance and small arms | 342 349 | 106 107 | Carpets Narrow fabrics | 419 |
| 66 | General mechanical engineering | 549 | 107 | Made-up household textiles and handkerchiefs | 421 422/1 |
| | | | 109 | *Canvas goods and sacks, etc | 422/1 |
| | INSTRUMENT ENGINEERING | ORDER VIII | 110 | Textile finishing | 423 |
| | INSTRUMENT ENGINEERING | ORDER VIII | 111 | Asbestos | 429/1 |
| 67 | Photographic and document copying equipment | 351 | 112 | *Miscellaneous textiles | 429/2 |
| 68 | Watches and clocks | 352 | | | |
| 69 | Surgical instruments and appliances Scientific and industrial instruments and systems | 353 | 100 | LEATHER LEATHER GOODS AND DUR | ODDED WIN |
| 70 | Scientific and industrial instruments and systems | 354 | | LEATHER, LEATHER GOODS AND FUR | ORDER XIV |
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| | Elistrical machinery | 361 | 115 | Trur | 433 |
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| 83 | Motor cycle, tricycle and pedal cycle manufacturing | 382 | 128 | Cement | 464 |
| 84 85 | Aerospace equipment manufacturing and repairing Locomotives and railway track equipment | 384 | 129 | Abrasives | 469/1 |
| 86 | Railway carriages, wagons and trams | 385 | 130 | *Miscellaneous building materials and mineral products | 469/2 |
| 00 | marriag carriages, magons and crams | | | | |

| Report Part No. | | Standard Industrial Classification Reference |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| | TIMBER, FURNITURE, ETC | ORDER XVII |
| 131 132 133 134 135 136 | *Timber Furniture and upholstery *Bedding and soft furnishings *Shop and office fittings *Wooden containers and baskets *Miscellaneous wood and cork manufactures | 471 472 473 474 475 479 |
| | PAPER, PRINTING AND PUBLISHING | ORDER XVIII |
| 137 138 139 140 141 142 143 | Paper and board Cardboard boxes, cartons and fibre-board packing cases Packaging products of paper and associated materials (other than board) Manufactured stationery Miscellaneous manufactures of paper and board Printing, publishing of newspapers and periodicals *General printing, publishing, etc | 481 482/1 482/2 483 484 485,486 489 |
| | OTHER MANUFACTURING INDUSTRIES | ORDER XIX |
| 144 145 146 147 148 149 150 | Rubber Linoleum, plastics floor covering, leathercloth, etc *Brushes and brooms Toys, games, childrens' carriages and sports equipment Miscellaneous stationers' goods Plastics products *Miscellaneous manufacturing industries | 491 492 493 494 495 496 499 |
| | CONSTRUCTION | ORDER XX |
| 151 | *Construction | 500 |
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| 167 168 | Directory of Businesses: Leather, Leather Goods and Fur; Clothing and | d ORDERS XIV and XV |
| 169 | Directory of Businesses: Bricks, Pottery, Glass, Cement, etc; Timber | orders XVI and XVII |
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125 Bricks, fireclay and refractory goods

This Report on the Bricks, Fireclay and Refractory Goods Industry relates to establishments engaged wholly or mainly in manufacturing heat-resisting products such as ganister, magnesite and silica bricks, fireclay and graphite crucibles, gas retort and kiln linings, steel moulders' composition and radiants for gas and electric fires; building bricks, clay flooring and roofing tiles, chimney pots, stoneware pipes and conduits, fireclay sanitary ware and other similar clay products. Glazed earthenware tiles and concrete and sand-lime bricks are excluded.

This industry corresponds to minimum list heading 461 in the Standard Industrial Classification (Revised 1968) which has been used for the first time as a basis of classification in the 1968 census. The definition of this industry however is unchanged from the last detailed Census of Production for 1963 in which it was reported (Part 102).

Pits and quarries operated by firms in this industry are included in this report unless they had their own separate sets of accounts, in which case they were included in either the Stone and Slate Quarrying and Mining Industry (Part 3) or the Chalk, Clay, Sand and Gravel Extraction Industry (Part 4).

In interpreting the data in the tables it is essential to bear in mind the notes and definitions which appear on pages (i) to (iv).

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- (c) Including services rendered to other organisations (amounts charged for hiring out plant, machinery or other goods, for providing transport, or for technical or other services rendered).
- (d) Including operatives employed in the quarries or clay pits which were associated with the brick works.
- (e) Administrative, technical and clerical employees.
- (f) Excluding expenditure for establishments not yet in production.
- (g) Acquisitions <u>less</u> disposals.

TABLE 1 Industry summary, 1963 and 1968
United Kingdom (a) (b)

| .020 | | | | | | Unit | All estab | lishments | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------------------|--------------|----------------|--------|-----------------------------------------|----------------|-----------|--|
| | | | | | | Unit | 1963 | 1968 | |
| umber of enterprises | mud vag | Inglue | Imploc | 11201 23 70 10 | Taran | No. | 533 | 423 | |
| umber of establishment | s | | | | | | 961 | 824 | |
| ross output | | | | | | £.000 | 145,998 | 186,817 | |
| et output | | | | | B | n | 84,121 | 103,744 | |
| et output per head | | | | | | £ | 1,267 | 1,781 | |
| 1 1 1 | 1 | goods produc | ced and work | done (c) | | T.000 | 142,476 | 175,728 | |
| ales and work done | 1 | merchanted a | goods and ca | anteen takings | | p | 4,993 | 8,804 | |
| | | materials for packaging an | | oduction and | | n | 42,888 | 58,353 | |
| mber of establishments ross output et output et output per head ales and work done archases ayments to other rganisations tocks and work in progres Total stocks and work in progress Goods on hand for sale Work in progress Materials, stores and fu | | goods for me purchases | erchanting | and canteen | | | 4,515 | 7,766 | |
| | (| for work don | ne on materi | als given out | 7.71 | | 284 | 243 | |
| | 5400.1 | for transpo | rt | | 1 1 | 1 9 | 88 | | |
| ayments to other organisations | 150,14 | by road | | | 1 8 | u B | | 15,441 | |
| | | by rail as postal se | | ans excluding | 10 | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | 14,138 | 1,208 | |
| Stocks and work in prog | ress | | | | | 1 22 | 100 | | |
| Total stocks and work | in 5 | change duri | ng year | | | 4 | - 1,524 | + 2,225 | |
| progress | ſ | at end of y | ear | | | н | 21,392 | 27,518 | |
| 0 1 1 61 | | change duri | ng year | | | P | - 1,349 | + 2,136 | |
| Goods on hand for sai | e | at end of y | ear | | | п | 9,611 | 14,005 | |
| | (| change duri | ng year | | on the | | - 123 | + 150 | |
| Work in progress | { | at end of y | ear | | | | 2,715 | 3,197 | |
| *945 | | change duri | ng year | | 10000 | - N - 0 | - 52 | - 61 | |
| Materials, stores and | fuel { | at end of y | ear | | HOUVE. | н | 9,065 | 10,316 | |
| - | | total incl | uding worki | ng proprietors | | Th. | 66.4 | 58.3 | |
| | age | operatives | | | 100 | n, | 57.5 | 49.2 | |
| during the year | | other emplo | | | | tl | 8.6 | 8.8 | |
| | | of operativ | | | 247 | £,000 | 42,521 | 49,292 | |
| Wages and salaries | { | of other em | | | | 2 000 | 8,172 | 10,973 | |
| Conital amenditure (f) | (| or other an | projects (°) | | | | al discounting | | |
| | 1 | | | | | n . | 8,081 | 12,552 | |
| | | | | | | 11 | 2,081 | 3,006 | |
| New building work | ildinaa (| m) | | | | 0.13 | - 126 | - 497 | |
| Land and existing but | | | | | | | 5,405 | 9,289 | |
| Plant and machinery | (g) | | | | | 11 | 721 | 754 | |
| Vehicles (g) | | | | | THE ! | | 121 | .01 | |

(a) For 1968, estimates for establishments not making satisfactory returns and for small establishments, from which only employment data were collected, accounted for 7 per cent. of the total figures in which they were incorporated: of this, unsatisfactory returns accounted for about 1 per cent. For 1963 the comparable figures were 6 per cent. and 3 per cent. respectively.

(b) The following information relates to small establishments (employing fewer than 25 persons) in this industry. It includes an estimate for small establishments not making satisfactory returns.

| | 1963 | 1968 |
|--------------------------|-------|-------|
| Number of establishments | 321 | 303 |
| Average number employed | | |
| Working proprietors | 186 | 185 |
| Other persons employed | 3,976 | 4,101 |

Footnotes continued on page 125/2.

TABLE 2 Analysis by size of establishment within the industry, 1968

(i) Output and employment

All establishments: United Kingdom

| Number employed on average during the year by the establishment (a) | Estab- lish- ments | Enter- prises (b) | Total number employed on average during the year (a) | Gross output | Net output | Net output per head | |
|------------------------------------------------------------------------------|--------------------------|-------------------------|------------------------------------------------------------------|-----------------|---------------|------------------------|--|
| YEAR ONLY OF A GOOD WINE COM | Number | Number | Number | £'000 | £'000 | £ | |
| 1-5 | 42 | 40 | 128 | | | • • • | |
| 6-10 | 54 | 51 | 459 | | | | |
| 11-24 | 183 | 148 | 3,499 | on on him an | | | |
| 25-49 | 208 | 117 | 7,777 | 21,758 | 11,826 | 1,521 | |
| 50-99 | 169 | 82 | 11,657 | 38,094 | 20,920 | 1,795 | |
| 100-199 | 78 | 50 | 10,822 | 36,053 | 19,402 | 1,793 | |
| 200-299 | 30 | 23 | 7,155 | 21,259 | 12,499 | 1,747 | |
| 300-399 | 15 | 11 | 5,275 | 19,251 | 10,709 | 2,030 | |
| 400-749 | 6 | 4 | 3,005 | 9,662 | 5,002 | 1,664 | |
| 750 and over | 6 | 3 | 7,863 | 25,903 | 15,144 | 1,926 | |
| Insatisfactory returns | 33 | 31 | 617 | | er powed | | |
| Total | 824 | 423 | 58,257 | 186,817(c) | 103,744(c) | 1,781(c) | |

(ii) Employees, wages and salaries

All establishments: United Kingdom

| Number employed on | Emplo | oyees | Wages and | salaries | Wages and salaries per head | | |
|--------------------------------------------------------|-----------------|-----------------------------|-----------------|------------------------|--------------------------------|------------|--|
| average during the year by the establishment (a) | Oper- atives | Others (d) | Oper- atives | Others (d) | Oper- atives | Others (d) | |
| The state of the state of | Number | Number | £,000 | £'000 | £ | £ | |
| 1-5 | 0000 | | | | natero. In | | |
| 6-10 | 1 | | | | 5 ml 3 m | | |
| 11-24 | | | | | | (1) | |
| 25-49 | 6,808 | 927 | 6,382 | 1,147 | 937 | 1,237 | |
| 50-99 | 10,116 | 1,511 | 9,955 | 1,861 | 984 | 1,232 | |
| 100-199 | 9,166 | 1,650 | 9,272 | 2,078 | 1,012 | 1,259 | |
| 200-299 | 5,956 | 1,192 | 5,676 | 1,397 | 953 | 1, 172 | |
| 300-399 | 4,187 | 1,085 | 4,445 | 1,424 | 1,062 | 1,312 | |
| 400-749 | 2,499 | 506 | 2,352 | 597 | 941 | 1,179 | |
| 750 and over | 6,640 | 1,223 | 7,409 | 1,604 | 1,116 | 1,312 | |
| Unsatisfactory returns | with the later | 0 4900 T 101 005 0410000 | Percent | basonylma Oktor 200 | •• | CONT. MARK | |
| Total | 49,204(c) | 8,778(c) | 49,292(c) | 10,973(c) | 1,002(c) | 1,250(c) | |

(a) Including working proprietors.

(b) The sum of the figures for the size groups exceeds the total for the industry to the extent that enterprises made returns for establishments in more than one size group.

(c) Including estimates for establishments employing fewer than 25 persons and for establishments not making satisfactory returns.

(d) Administrative, technical and clerical employees.

TABLE 3 Percentage analysis of employees, by age and sex, 1969 (a)

All establishments: United Kingdom

| Ages | Males | Females | All employees | | |
|-------------|-----------|-----------|---------------|--|--|
| | Per cent. | Per cent. | Per cent. | | |
| Under 18 | 4 | 1 | 5 | | |
| 18 and over | 86 | .9 | 95 | | |
| All ages | 90 | 10 | 100 | | |

Source: Department of Employment

(a) The percentages relate to the numbers employed (excluding working proprietors) at June 1969, the earliest date for which the information is available on the basis of the Standard Industrial Classification, (Revised 1968).

Footnotes to Table 4.

- (a) Some establishments employing fewer than 25 persons were included in returns for larger establishments. These amounted to 32 establishments in 1968 and 64 in 1963.
- (b) The method of classifying returns to sub-divisions of the industry is explained in the notes; the characteristic products of each sub-division are identified in Table 5.
- (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) Including services rendered to other organisations (amounts charged for hiring out plant, machinery or other goods, for providing transport, or for technical or other services rendered).
- (e) Direct sales of goods (excluding canteen takings) made to and work done for, the general public by larger establishments are included. These amounted to £235,000 in 1968. Similar information is not available for 1963.
- (f) Characteristic products relate only to sub-divisions of the industry.
- (g) For sub-divisions of the industry, this is the ratio of sales of characteristic products to total sales of goods produced and work done. For the industry as a whole, this is the ratio of total sales of principle products by the industry to total sales of goods produced and work done.
- (h) Including 1,767 operatives in 1968 and 2,761 in 1963 employed in the quarries or clay pits which were associated with the brick works.
- (i) Administrative, technical and clerical employees.
- (j) Excluding expenditure for establishments not yet in production.

TABLE 4 Analysis of larger establishments, 1963 and 1968

Establishments employing 25 or more persons: Analysis of returns received, United Kingdom (a)

| A CONTRACTOR OF THE | | | Sub-divisions of the industry (b) | | | Sub | o-divisions of | | | | | |
|---------------------------------|-------------------------------------------------------------------------|--------------|-----------------------------------|--------------|-------------------------------------------------------------------|---------|------------------------------------------------------------------|-----------|-------|--------|------------------|--------------------|
| | | Unit | Refractory goods | | Building bricks (including flooring and wall partition blocks) 21 | | Sanitary ware (other than cement, concrete or earthenware) | | Other | | Total | |
| | | | 1963 | 1968 | 1963 | 1968 | 1963 | 1968 | 1963 | 1968 | 1963 | 1968 |
| Number of enterprises | s (c) | No. | 63 | 44 | 179 | 109 | 60 | 35 | 32 | 28 | 312 | 201 |
| Number of establishme | ents | " | 130 | 111 | 433 | 324 | 81 | 72 | 51 | 37 | 695 | 544 |
| Gross output | | £,000 | 40,636 | 61,220 | 69,839 | 77,462 | 17,237 | 21,112 | 9,802 | 13,509 | 137,514 | 173,304 |
| Net output | | " | 19,035 | 28,462 | 44,253 | 48,350 | 10,046 | 12,160 | 5,900 | 7,268 | 79,233 | 96,240 |
| Net output per head | | £ | 1,407 | 2,039 | 1,254 | 1,725 | 1,135 | 1,579 | 1,211 | 1,671 | 1,267 | 1,781 |
| Cales and work done | goods produced and work done (d) (e) | £'000 | 39,666 | 58,407 | 70,302 | 74,919 | 15,643 | 18,997 | 8,586 | 10,694 | 134,197 | 163,017 |
| Sales and work done | merchanted goods and canteen takings | " | 967 | 3,105 | 855 | 659 | 1,740 | 1,771 | 1,142 | 2,633 | 4,703 | 8,167 |
| Sales of characterist | tic products | " | 37,510 | 54,211 | 67,039 | 71,588 | 12,920 | 16,517 | 6,708 | 7,540 | (f) | (f) |
| Index of specialisati | ion (g) | Per cent. | 95 | 93 | 95 | 96 | 83 | 87 | 78 | 71 | 98 | 98 |
| Purchases | materials for use in production and packaging, and fuel | £,000 | 17,823 | 26,382 | 15,502 | 18,560 | 4,664 | 6,071 | 2,407 | 3,120 | 40,396 | 54, 132 |
| | goods for merchanting and canteen purchases | 11 | 874 | 2,725 | 773 | 578 | 1,594 | 1,590 | 1,012 | 2,312 | 4,253 | 7,205 |
| | for work done on materials given out | 11 | 41 | 96 | 51 | 59 | 131 | 61 | 44 | 9 | 267 | 225 |
| Payments to other organisations | for transport by road by rail and other means excluding postal services | " | 2,752 | 3,087 454 | 9,250 | 10,067 | 834 | 1,184 | 481 { | 642 | 13,316 | 14,324 |
| Stocks and work in pr | rogress | | | | | | 13 | 1 7 2 9 | | | 1 4.10 | 1,121 |
| Goods on hand | change during year | п | - 44 | - 415 | - 1,239 | + 1,860 | - 69 | + 328 | + 81 | + 208 | - 1,271 | + 1,981 |
| for sale | at end of year | " | 3,855 | 4,976 | 2,349 | 4,943 | 1,931 | 2,014 | 919 | 1,059 | 9,053 | 12,992 |
| Work in progress | change during year | n | + 48 | + 123 | - 79 | + 24 | - 78 | + 17 | - 7 | - 25 | - 115 | + 139 |
| nork in progress | at end of year | н | 782 | 1,239 | 1,188 | 1,259 | 399 | 306 | 189 | 162 | 2,557 | 2,966 |
| Materials, stores | change during year | п | - 113 | - 14 | - 11 | + 152 | + 33 | - 46 | + 41 | - 147 | - 49 | - 57 |
| and fuel | at end of year | 11 | 5,473 | 6,307 | 2,134 | 2,414 | 733 | 713 | 198 | 137 | 8,538 | 9,570 |
| Number employed | total, including working proprietors | No. | 13,525 | 13,956 | 35,291 | 28,037 | 8,849 | 7,700 | 4,871 | 4,350 | | |
| on average | operatives (h) | " | 10,871 | 10,823 | 31,554 | 24,696 | 7,580 | 6,593 | 4,266 | 3,674 | 62,536 54,271 | 54, 043 45, 786 |
| during the year | other employees (i) | " | 2,633 | 3,119 | 3,689 | 3,303 | 1,255 | 1,088 | 590 | 658 | 8,167 | 8,168 |
| Wages and salaries | f of operatives | £,000 | 7,748 | 10,277 | 24,079 | 25,875 | 5,327 | 6,484 | 3,005 | 3,231 | 40,159 | |
| Say talle 54 | of other employees (i) | н | 2,553 | 4,035 | 3,457 | 4,108 | 1,113 | 1,214 | 593 | 853 | 7,715 | 45,868 10,210 |
| Wages and salaries |) operatives | £ | 713 | 950 | 763 | 1,048 | 703 | 984 | 704 | 879 | | |
| per head | tother employees (i) | " | 970 | 1,294 | 937 | 1,244 | 887 | 1,116 | 1,004 | 1,297 | 740 945 | 1,002 |
| Capital expenditure (| | | | | | | 782 | 3,110 | 1,004 | 1,201 | 340 | 1,250 |
| New building work | | £,000 | 316 | 930 | 1,241 | 1,358 | 310 | 345 | 92 | 156 | 1,960 | 2,788 |
| Land and existing buildings | { acquisitions | " | 23 | 50 | 95 | 91 | 14 | 3 | 23 | 8 | | |
| bulldings | disposals | II | 64 | 237 | 118 | 317 | 50 | 32 | 41 | 27 | 156 274 | 153 614 |
| Plant and | { acquisitions | " | 1,520 | 2,618 | 2,896 | 4,643 | 510 | 1,062 | | | | |
| machinery | disposals | n | 62 | 81 | 89 | 99 | 12 | 17 | 343 | 535 | 5,269 | 8,857 |
| Vehicles | acquisitions | п | 174 | 253 | 486 | 469 | 125 | | | 45 | 177 | 241 |
| | disposals | 11 | 52 | 86 | 66 | 107 | 40 | 178 67 | 92 | 127 | 877 | 1,026 |

For notes to this table - see page 125/5.

TABLE 5 Sales of principal products of the industry by larger establishments, including sales by establishments classified to other industries, 1963 and 1968 (a)

Establishments employing 25 or more persons: Analysis of returns received, United Kingdom

| ndustry | | 19 | 063 | | 196 | 8 | AU 5183 |
|-------------------------|-------------------------------------------------------------------------------------------|------------|--------------------|-----------|----------------|------------------|---------|
| sub- livision (b) | | Quantity | Value | Quantity | Value | Enter- prises | Entrie |
| | 1000 | Th. tons | £,000 | Th. tons | £,000 | Number | Number |
| 10 | Refractory goods | | | | | 8 118 | 1 10 |
| 121 44 | Firebricks up to and including bricks of 9in. x 4½in. x 3in. | 534 | 5,787 | 484 | 5,697 | 36 | 51 |
| | Firebricks or lumps, including tiles and bricks exceeding 9in. x 4½in. x 3in. | 191 | 3,886 | 247 | 5,278 | 31 | 44 |
| | High alumina bricks containing between 44 per cent. and 60 per cent. alumina | 15.9 | 919 | 25.5 | 1,422 | 13 | 21 |
| | High alumina bricks containing 60 per cent. or more of alumina | 37.7 | 1,841 | 86.4 | 4,811 | 12 | 20 |
| | Silica bricks up to and including bricks of 9in. x 4½in. x 3in. | 42.2 | 734 | 20.3 | 378 | 7 | 9 |
| | Silica bricks or lumps, including tiles and bricks exceeding 9in. x 4½in. x 3in. | 54.5 | 1,299 | 30.5 | 857 | 6 | 12 |
| | Siliceous bricks and shapes (75-92 per cent. silica) | 17.8 | 186 | | 227 | 5 | 5 |
| | Insulating bricks | 27.2 | 1,288 | 29.0 | 1,743 | 11 | 14 |
| | Magnesite bricks | 41.8 | 2,117 | 75.6 | 4,479 | 5 | 13 |
| | Magnesite-chrome bricks | 32.1 | 1,564 | 57.7 | 3,275 | 5 | 12 |
| | Chrome-magnesite bricks | 93.9 | 3,786 | 88.0 | 4,074 | * | 14 |
| | Other refractory bricks (including chrome bricks and dolomite bricks) | 31.1 | 1,019 | 61.3 | 2,499 | 7 | 15 |
| | Total refractory bricks | 1,119 | 24,425 { | 1,205 | 34,515 227 | } | |
| | Blocks and crucibles of graphite and other materials | 575, 62 | 7,404 | 182 | 5,066 | 10 | 11 |
| | Refractory jointing cement | 143 | 4,059 | 91.8 | 3,054 847 | } 22 | 51 |
| | Radiants for gas and electric fires | 1.3 | 387 117 | } 2.5 | 850 | 7 | 8 |
| | Castables and mouldables | | | 75.5 | 3,127 | 18 | 26 |
| | Other sorts of refractory goods (including retorts, fireclay, silica and siliceous) | 639 | 6,882 (c) 2,220 | { 517 ··· | 7,850 1,846 | 33 | 54 |
| 21 | Bricks, building, of clay, brick- earth, shale or marl | Millions | 500 - 1 | Millions | | 80 1 | |
| | Perforated | 100 | 1 - 19 | 1 1 80 | | 101 | |
| | Common | 1 | 010 | 296 | 3,177 | 38 | 52 |
| | Facing | 45.6 | 610 | 485 | 8,438 | 33 | 51 |

TABLE 5 (continued)

| Industry | | 19 | 1963 | | 1968 | | |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------------------|------------------|------------------|---------------|
| sub- division (b) | total falato attant -mia" | Quantity | Value | Quantity | Value | Enter- prises | Entrie |
| A TO VE TO LOT | 0.000 1 0.00 2 0.000 1 0.00 T | Millions | £'000 | Millions | £'000 | Number | Number |
| 21 | Bricks, building, of clay, brick- earth, shale or marl (continued) | DIS. | To an of | | | | |
| | Other than perforated | 3 min. 177 | | | | | |
| - 11 | Common | 4,035 | 30,474 | 3,054 | 25,405 | 91 | 161 |
| 51 | Facing | 2,367 | 31,087 | 2,095 | 30,030 | 72 | 132 |
| | Engineering | 266 | 4,167 | 289 | 5,163 | 41 | 64 |
| 20.10 | All other building bricks | | 100 | silvogno kolon za | | idate | |
| (9) | (including glazed or enamelled bricks, V.5. (through the wall) | | | | | . 12.00 | 197 |
| | type bricks, but excluding sand- lime and concrete bricks) | 56.3 | 751 | | 715 | 10 | 12 |
| | | 00.0 | 101 | | | 10 | 12 |
| | Total building bricks | 6,770 | 67,089 { | 6,219 | 72,214 715 | } | |
| 21 | Clay and terra-cotta flooring and | | | to elder | 2023 | * | ala |
| 00 | wall partition blocks | | 1,077 | m | 594 | 1 | * |
| 23 | Tiles (other than of pre-cast concrete) | an said | Color Laudier | Th. sq.yds. | | | |
| MENTAL DE LA | Roofing tiles of clay | The state of the s | - versons | | en aller's terms | | ne obstace ex |
| | Plain and single lap | Jenney, le | 1,757 | 1,572 | 1,115 | 13 | 15 |
| | Other, including ridges, hips, valleys, etc | terde lo e | 259 | sar ta tank of soils | 179 | 15 | 16 |
| | Floor quarries and street paving tiles | | 1,058 | 1,866 | 1,695 | 11 | 12 |
| | All other tiles (d) | 0 10 341 | 245 | 128 | 132 | 5 | 5 |
| Villa | but the first and a state of the same and are a go of | | 210 | 120 | 102 | | 11 (3) |
| | Total tiles (other than tessellated pavement tiles and mosaics, glazed wall and fireplace tiles of all kinds and unglazed earthenware (biscuit) tiles) | njaubgi n I bm 238 | 3,319 { | 3,566 | 2,943 179 | } | 3 2.13 |
| | | Th. tons | 0100 to 32 | Th. tons | | dsuns | |
| 23 | Agricultural drainpipes of clay, unglazed | 165 | 1,208 | 236 | 1,873 | 26 | 31 |
| 00 | S: 4 | | | | -, | | |
| 22 | Sanitary ware Drain pipes, angles, bends, elbows and traps (except pre-cast concrete) | 635 | 12,134 | 655 | 14,614 1,837 | 36 | 61 |
| | Other sanitary ware | 00013 | | | | | |
| | Of fireclay, glazed or enamelled | | | | | аноіно у | |
| | Wash basins | 1.6 | 288 | has plide | 65 | * | 6 |
| | Sinks | 18.5 | 1,398 | | 983 | * | 6 |
| | W.C. pans | 2.5 | 290 | 2.1 | 414 | 5 | 6 |
| | Other | 13.5 | 1,425 | eelinaap i g-esg wide vasineel | 1,330 | 6 | 9 |
| | Total sanitary ware | | | -100 | in section | Anna to | algon |
| 183 | (other than cement, concrete or earthenware) | 672 | 15,535 | 657 | 15,027 4,215 |] | q 1580 |

Continued on next page.

TABLE 5 (continued)

| Industry | | 19 | 63 | 1968 | | | | |
|-------------------------|------------------------------------------------------------------------------------------------------------|------------|---------|-----------------|-----------|------------------|---------|--|
| sub- division (b) | | Quantity | Value | Quantity | Value | Enter- prises | Entries | |
| | | Th. tons | £'000 | Th. tons | £'000 | Number | Number | |
| 23 | Pipes and tubes of stoneware or fireclay for electrical and other purposes (excluding sanitary ware) | 219 | 4,127 | 273 | 5,588 | 10 | 14 | |
| | | Th.cwt. | | Th.cwt. | | BOAL III | | |
| 23 | Flower pots, unglazed | 312 | 447 | | 168 | * | * | |
| 23 | Chimney pots | 270 | 406 { | 226 | 429 56 | } 14 | 17 | |
| | Other products (including architectural terra-cotta and | Les | 855 | on the color | 665 | 25 | 33 | |
| | faience, glazed or unglazed) | | | Con half buston | 277 | 62 | 121 | |
| | Waste products | | 321 | | . Hatte | | | |
| | Work done | | 79 | a material | 55 | * | 5 | |
| | Total | Language B | 139,956 | 70121114 | 162,382 | | | |
| | Sales in other industries (see Table 6) | | 7,987 | olds alone | 2,943 | w 14. | | |
| | Principal products of this industry sold by estab- lishments in the industry | | 131,969 | -eng to los | 159,439 | 201 | 400(e | |

(a) For sand-lime bricks and bricks, tiles etc of cement or concrete see the Miscellaneous Building Materials etc Industry (Part 130).

(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 establishments, not merely sales by establishments classified to a sub-division.

(c) Including unclassified refractory goods.

(d) Excluding glazed wall tiles and fireplace tiles of all kinds and tiles for tessellated pavements for which see the report on the Pottery Industry (Part 126).

(e) This figure represents the total number of returns made by larger establishments in this industry which is less than the total number of establishments shown in Table 4 on account of combined returns covering more than one establishment.

Sales of principal products of the industry by larger establishments classified to other industries, 1963 and 1968

Establishments employing 25 or more persons: Analysis of returns received, United Kingdom

| | 1963 | 1968 | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|--|
| | Value | Value | Entries | Principal industries in which produced (a) | |
| | £,000 | £'000 | Number | time yaddu | |
| Refractory bricks | 1 | 350 | 5 | 3, 4, 46 | |
| Blocks and crucibles of graphite and other materials, refractory cement and other sorts of refractory goods | 6,669 | 1,543 | 9 | 49,63,71,129 | |
| Building bricks of brick-earth, clay, shale or marl | h (| 285 | * | 3,46,130 | |
| Roofing tiles of clay, floor quarries and street paving tiles (other than pre-cast concrete), all other tiles, sanitary ware, architectural terra-cotta and faience, glazed | 1,318 | | | 19910 | |
| or unglazed, drainpipes, chimney pots and flower pots | | 765 | 9 | 126, 130, 149, 151 | |
| Total | 7,987 | 2,943 | THE STATE OF THE S | | |

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

Sales of other than principal products by larger establishments in the industry, TABLE 7 1963 and 1968

Establishments employing 25 or more persons: Analysis of returns received, United Kingdom

| | 196 | 33 | 1968 | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------|-------------|--------|
| | Quantity | Value | Quantity | Value |
| 2.331 | Th. tons | £,000 | Th.tons | £,000 |
| Fireclay (including saggar marl) | 177 | 482 | 163 | 536 |
| Other clay, fuller's earth, brick-earth, marl and shale other than oil shale | | 164 | •••• | 263 |
| Earthenware, red ware and terra-cotta ware, glazed and unglazed: stoneware, brown ware and yellow ware | 1 | 349 | mariotic a | 423 |
| Sand-lime bricks of all kinds | 1 | ſ | | 100 |
| Other goods (including tiled hearths and fireplace surrounds and glazed wall and hearth tiles of all kinds, pre-cast concrete goods, sandstone and quartzite (including ganister)) | | 532 { | and been | 522 |
| Work done as main and sub-contractors | or entire | 456 | inglas em | 1,124 |
| Services rendered to other organisations (a) | | 246 | a la claudo | 610 |
| Total value of goods sold without having been subjected to any manufacturing process (merchanted or factored) | | 4,331 | | 7,749 |
| Canteen takings | | 372 | 63 | 418 |
| Total | | 6,932 | | 11,745 |

(a) Amounts charged for hiring out plant, machinery or other goods, for providing transport, or for technical or other services rendered to other organisations.

TABLE 8 Production of certain principal products of the industry by larger establishments, 1963 and 1968

This table is not applicable to this industry.

TABLE 9 Purchases by larger establishments of selected principal products of the industry, 1968

This table is not applicable to this industry.

TABLE 10 Purchases by larger establishments in the industry, 1963 and 1968

Establishments employing 25 or more persons: Analysis of returns received, United Kingdom

| The state of the s | 196 | 33 | 1968 | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------|------------------|----------|--|
| | Quant ity | Cost | Quantity | Cost | |
| Materials for use in production Clay, brick-earth, marl and shale | | £,000 | | £,000 | |
| Fireclay (including saggar marl) | | 2,331 | | 2,177 | |
| All other clay, fuller's earth, brick-earth, marl and shale other than oil shale | | 1,223 | (Pr | 2,556 | |
| Silica stone | | 253 | | 153 | |
| Sand | | 189 | | 213 | |
| Quicklime, hydrated lime and chalk | 10, 1 | 90 | and the last | 93 | |
| Magnesite | | 2,869 | astrond met | 4,917 | |
| Chrome | | 1,266 | | 1,312 | |
| Dolomite and bauxite | | 1,348 | | 2,840 | |
| Sillimanite, kyanite and andalusite | | 620 | | 855 | |
| Refractory materials, not elsewhere specified | | 1,060 | ener with the | 3,966 | |
| General chemicals | 2 | 1 | 1174 | 539 | |
| Inorganic (including inorganic gases) | | (a) | better by the | 57 | |
| Organic (including organic gases) Other (eg mixtures of inorganic and organic chemicals) | J | | | | |
| Sulphite lye | | 77 | | 112 | |
| Glaze and materials for glaze | | 184 | 1007.1 | 225 | |
| Other | | 164 | | 415 | |
| | Th.gal. | | Th.gal. 1,643 | 283 | |
| Lubricating oils and greases | 1,569 | 227 136 | Th.cwt. 10.9 | 44 63 | |
| Replacement parts for firms' own machinery, plant and vehicles, and accessories and consumable tools bought as replacements | | | | | |
| Tyres and other spare parts for firms' own road goods vehicles |] | 5,341 | | 588 | |
| Other | J | l | | 5,586 | |
| All other materials for use in production | | 2,766 | | 4,224 | |
| Packaging materials | | | | | |
| Paper and board | Transition I | | | | |
| Boxes, cartons, drums and canisters (with or without metal ends) of paper and cardboard |] | 271 { | | 366 | |
| Fibreboard packing cases | | l | | 50 | |
| Containers wholly or mainly of wood (including plywood boxes and drums), baskets and wickerwork crates | | 180 | | 297 | |
| All other packaging materials | | 601 | | 842 | |
| Fuel and electricity (b) | Th. tons | , | Th.tons | 6 024 | |
| Coal | 1,939 | 9,850 { | 1,168 | 6,024 | |
| | 174 | 1,305 | 106 | 936 | |
| Coke (including screenings) and manufactured fuel | Th.gal. | 1,000 | Th.gal. | 0.00 | |
| Dense fuel and mater enjoyit for use in road vehicles | 5,050 | 881 { | 4,286 | 934 | |
| Derv fuel and motor spirit for use in road vehicles | 5,000 | 001 | ala" | 100 | |

TABLE 10 (continued)

| | 19 | 1963 | | 68 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------|-------------------|--------------|
| And the second s | Quantity | Cost | Quantity | Cost |
| Fuel and electricity (b) (continued) | Th.gal. | £,000 | Th.gal. | £,000 |
| Other liquid fuels (including creosote/pitch mixtures, etc, and liquefied petroleum gases) | 68,031 | 2,784 329 | } 157,062 | 6,936 |
| Gas | Th. therms 5,778 | 247 | Th. therms 3,250 | 190 68 |
| Electricity | Th.kWh 515,914 | 3,133 671 | Th.kWh 629,920 | 4,502 822 |
| All other fuels | - 1 | (c) | | 199 |
| Total cost of materials and fuel | | 40,396 | a four bear in | 54,132 |
| Goods purchased for merchanting | ful has said | 3,889 | les seedant | 6,775 |
| Canteen purchases | | 364 | 12 | 429 |
| Total cost of purchases | I Was a superior | 44,649 | | 61,337 |

- (a) Included with 'other general chemicals' for 1963.
- (b) The total quantity of electricity generated in establishments employing 25 or more persons in this industry was 3,120 Th.kWh in 1968 and 9,566 Th.kWh in 1963.
- (c) Not recorded separately for 1963.

TABLE 11 Transport costs and employment of larger establishments, 1963 and 1968

Fetablishments employing 25 or more persons:

Establishments employing 25 or more persons: Analysis of returns received, United Kingdom

| | Unit | 1963 | 1968 |
|-------------------------------------------------|-------|-----------|--------|
| Average number mainly employed on transport | No. | 2,422 | 2,027 |
| Cransport costs | 0.1 | | 6.0 |
| Wages and salaries | £'000 | 2,097 | 2,350 |
| Derv fuel and motor spirit | п | 881 | 1,034 |
| Tyres and other spare parts for road goods | 0.2 | | |
| vehicles | " | | 588 |
| Payments to other | n | | 14,324 |
| organisations by rail and other means excluding | - | 13,316 | |
| postal services | " | | 1,121 |
| Costs of operating road goods vehicles | | | |
| Insurance | " | 90 | 78 |
| Vehicle licences | п | 143 | 243 |
| Depreciation | 8 0 | 519 | 538 |
| Payments to other organisations for repairs | 1.1 | | |
| and maintenance | 8.50 | 323 | 287 |
| Total | 11 | 17,368(a) | 20,564 |

⁽a) Excluding tyres and other spare parts for road goods vehicles, not collected separately for 1963.

TABLE 12 Payments for certain services, etc by larger establishments, 1963 and 1968 (a)

Establishments employing 25 or more persons: Analysis of returns received, United Kingdom

| | Amounts payable | | |
|------------------------------------------------------------------|-----------------|-------|--|
| | 1963 | 1968 | |
| Repairs and maintenance to | £,000 | £,000 | |
| Buildings | 388 | 443 | |
| Road goods vehicles | 323 | 287 | |
| Plant, machinery and other capital equipment | 1,181 | 2,135 | |
| Insurance, licensing and depreciation of road goods vehicles (b) | 752 | 859 | |
| Rates, excluding water rates | 1,607 | 2,168 | |
| Hire of plant and machinery | 485 | 781 | |
| Postage, telephone, telegrams, cables and telex (c) | 362 | 506 | |
| Total | 5,098 | 7,179 | |

⁽a) No deduction is made for these payments to arrive at the figures of net output given in this report.

TABLE 13 Percentage analysis of twelve-month periods covered by returns from larger establishments, 1968

Establishments employing 25 or more persons: Analysis of returns received, United Kingdom

| Year ended | Percentage of total returns received | Percentage of total number employed |
|------------|--------------------------------------------|-------------------------------------------|
| 1968 | Per cent. | Per cent. |
| April (a) | 0.5 | 1.0 |
| May | 0.3 | 0.1 |
| June | 5.5 | 4.1 |
| July | 0.5 | 0.2 |
| August | 0.3 | 0.4 |
| September | 8.8 | 6.0 |
| October | 0.5 | 0.2 |
| November | 0.5 | 0.3 |
| December | 43.9 | 54.8 |
| 1969 | | |
| January | 0.5 | 0.6 |
| February | 1.0 | 1.1 |
| March | 37.7 | 31.2 |
| April (b) | 0.0 | 0.0 |
| | 100 | 100 |

⁽a) From 6 April.

⁽b) For details see Table 11.

⁽c) Excluding Telex for 1963.

⁽b) To 5 April.