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MSC

Business Statistics Office

Business Monitor

Report on the Census of Production

Chalk, clay, sand and gravel extraction



publication of the Government Statistical Service

Special Note for Purchasers

Commencing with the 1971 Census, the Census of Production reports are being numbered in a uniform series embracing all industrial inquiries in the Business Monitor series. These Business Monitors have a code P (for production) followed first by A (indicating that it is an annual series) or Q (quarterly) or M (monthly): and then by a number indicating the minimum list heading, or sub-division of a minimum list heading, of the Standard Industrial Classification (revised 1968).

The Census of Production (PA) reports are available on standing order (details on application to Her Majesty's Stationery Office, P.O. Box 569, London SE1 9NH. Telephone 01-928 6977), although they are not included in the global subscription arrangements for the Business Monitor series.

Government Statistical Service

A service of statistical information and advice is provided to the Government by specialist staffs employed in the statistics division of individual Departments. Statistics are made generally available through their publications and further information and advice on them can be obtained from the Departments concerned.

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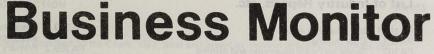
Report on the Census of Production 1976

Chalk, clay, sand and gravel extraction

Presented by the Secretary of State for Industry to Parliament in pursuance of the Statistics of Trade Act 1947 (10 & 11 Geo.6 Cha.39 sec 7)

Department of Industry Business Statistics Office

London: Her Majesty's Stationery Office



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PA103 CHALK, CLAY, SAND AND GRAVEL EXTRACTION

The information in this report relates to establishments classified to the Chalk, clay, sand and gravel extraction industry minimum list heading 103 in the Standard Industrial Classification (revised 1968). The activities of the industry include:-

Extracting chalk, clay, sand and gravel from pits or quarries and such ancillary activities as cleaning, washing, grading, etc. normally carried out at pits and quarries.

Figures in this report for 1973 relate only to Great Britain; an annual census of production in this industry was not taken in Northern Ireland until 1974.

			In interpreting	the data in the tak	oles it is essential	to bear
			in mind the notes		hich commence o	n page (
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gross value added

United

1

o bear page (iii).

TABLE 1

Output and costs, 1973-1976 All United Kingdom establishments classified to the industry (a)(b)

	Unit	1973	1974	1975	1976
Enterprises	Number	536	607	598	587
		1,038	1,134	1,142	1,085
Establishments Sales of goods produced (c)	£ thousand	168,761	200,970	221,665	274,290
Receipts for work done and industrial services rendered	ni <u>n</u> isisologiya ta v "	(d)	(d)	(d)	468
Capital goods produced for establishments' own	. 1	2,247	3,754	4,199	(d)
Non-industrial services rendered	"	780	276	402	681
Goods merchanted or factored	"	3,122	3,495	4,349	5,259
Total sales and work done (e)	"	174,911	208,495	230,615	280,697
Value of outward transport on goods sold					
	"	13,158	11,630	17,309	19,665
by establishments' own staff	"	31,450	24,520	32,715	41,611
by other organisations		-97	803	1,950	3,722
ncrease during the year, goods on hand for sale		219,422	245,448	282,590	345,695
Gross output		219,422	243,440	202,000	enderun Breisig
Purchases of materials for use in production, and backaging and fuel	"	45,690	54,183	60,693	73,412
Purchases of goods for merchanting or factoring	"	2,661	2,938	3,884	4,375
ncrease during the year, stocks of materials, stores and fuel	"	558	3,734	803	2,560
Cost of industrial services received	"	5,084	5,249	8,523	15,397
Net output	"	166,545	186,812	210,293	255,071
Total employment (f)	Thousands	20.9	21.1	19.7	19.9
Net output per head	£	7,961	8,858	10,681	12,840
Payments for non-industrial services					
Rents, hire of plant and machinery (g)(h)	£ thousand	6,155	9,945	7,113	10,045
Commercial insurance premiums		674	887	1,329	1,497
	,,	54	28	77	21431900 70
Bank charges		36,680	30,037	38,829	55,738
Other non-industrial services (j)		706	747	912	942
Licensing of motor vehicles	"		2,168	2,000	3,180
Rates, excluding water rates	and the second	1,827			183,599
Gross value added at factor cost	"	120,451	143,000	160,032	103,999
Gross value added at factor cost per head	£	5,758	6,781	8,128	9,242

(a) 1973 figures relate to Great Britain only.

(b) Including estimates for establishments not making satisfactory returns, non-response and establishments exempt because of size. Satisfactory returns accounted for 59 per cent of employment within the industry.

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

(d) Included with Sales of goods produced.

(e) Details of manufacturers' sales of principal products are published regularly in Business Monitor PQ103.

(f) Average number employed, including full and part-time employees (see table 7) and working proprietors.

(g) 1973 figures include hire of vehicles.

(h) For 1973-1975, rents of industrial and commercial buildings were not recorded separately. For 1976 the amount payable was £338 thousand.

(j) .1974-1976 figures include the cost of hiring goods vehicles.

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TABLE 2

Capital expenditure, 1973 - 1976 All United Kingdom establishments classified to the industry (a)(b)(c)

	1973	1974
Land and buildings		Lantes Log
New building work	1,565	1,780
Land and existing buildings		
Acquisitions	2,104	2,429
Disposals	. 136	241
Vehicles		
Acquisitions		
Motor cars	676	581)
Other vehicles	2,033	3,560)
Disposals		
Motor cars	221	144)
Other vehicles	264	327)
Plant and machinery		
Acquisitions	12,821	13,620
Disposals	546	383
Total net capital expenditure	18,032	20,876

(a) 1973 figures relate to Great Britain only.

(b) Including estimates for establishments not making satisfactory returns, non-reponse and establishments exempt because of size. Satisfactory returns accounted for 59 per cent of employment within the industry.

(c) Capital expenditure in respect of manufacturing establishments where production had not commenced before the end of the year, is included.

TABLE 3

Stocks, 1973-1976

All United Kingdom establishments classified to the industry (a)(b)

						£ thousan
	1973	1974	1975	1308501 587 5	1976	25,23855 T
	One applace	Incr	ease			Value at end of year
Materials, stores and fuel	558	3,734	803	2,560	nus 196 /o.ml]1	3,306
Boods on hand for sale	-97	803	1,950	3,722	1	1,950
Total	461	4,537	2,753	6,282		25,255

(a) 1973 figures relate to Great Britain only.

Including estimates for establishments not making satisfactory returns, non-reponse and establishments exempt because of size. Satisfactory returns accounted for 59 per cent of employment within the industry.

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Construction of the second second		£ thous	and
1975		1976	
<u>(0)</u>	i kinam	and the	
1,947		1,720	
2,345		1,586	
439		1,525	
0.070		022,917 20 - 49	
2,873		2,306	
523		672	
13,502		16,710	
823		1,411	
18,883		18,713	

TABLE 4

PA103

Analysis of establishments by size, 1976 All United Kingdom establishments classified to the industry (a)

Size group	Estab- lish-	Enter- prises	Employment			Wages and sal	aries (T)		
(b)	ments	(c)	Total	Opera-	Others	Operatives		Others (e)	
			(d)	tives	(e)	Total	per head	Total	per head
882.7	Number	Number	Number	Number	Number	£ thousand	£	£ thousand	£
1 - 10	790	480	3,793))						
11 - 19	159	88	2,328))	7,819	2,285	25,425	3,252	7,488	3,277
20 - 49	99	69	2,842)						
50 - 99	21	20	1,533)						
100 - 399	12	8	2,279	1,810	463	5,917	3,269	1,444	3,119
400 and over	4	4	7,091	5,066	2,025	14,180	2,799	7,051	3,482
						annu Detunian Milita			
Total	1,085	587	19,866	14,695	4,773	45,522	3,098	15,983	3,349
(a) Including e	etimates fr	or establishments	not making sat	tisfactory	returns, non-res	oonse and estab	lishments with	fewer than 20) employee
		oyed, including							
		s for the size gro						ntrol establishr	nents in
more than			1,950						
(d) Including v									
(e) Administra	tive, techn	ical and clerical	employees.						

4

Fotal sales Gross output Net output and work jone (g)				Gross value added at factor cost		Net capital expenditure (h)	Total stocks at end of year	
			Total	per head	Total	per head		
£ thousand	£ thousa	nd	£ thousand	£	£ thousand	£	£ thousand	£ thousand
154,0 23	198,612		145,820	13,893	(j)	(j)	12,103	11,302
26,947	35,978		26,378	11,575	121,280(j)	9,494(j)	230	2,863
99,726	111,105		82,873	11,687	62,320	8,789	6,381	11,091
280,697	345,695		255,071	12,840	183,599	9,242	18,713	25,255
costs of (g) Sales of	f canteens, is a f goods produ	estimated ced, capi	butions to nationa I for the industry tal goods manufac ervices rendered a	at £7,436 thousa	nd.			es and the running vork done,
				Jesie no neucoso			it and machinery	

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TABLE 5

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Regional distribution of employment, net capital expenditure, net output and gross value added at factor cost, 1976 All United Kingdom establishments classified to the industry

Area	Total employment	(a)	Net capital expenditure (b)(c)		Net output, gross value added and employment in the region from returns received from establish- ments with more than 80 per cent of their employ- ment in the region (d)			
					Net output	Gross value added at factor cost		ge of total employment
	Thousands	per cent of United Kingdom	£ thousand	per cent of United Kingdom	£ thousand	£ thousand		
Standard regions of								
England								
North	0.5	2.3	425	2.3	*	*	*	
York shire and	- (p) (b)				0.500		05.0	
Humberside	0.8	3.8	466	2.5	3,593	2,666	25.8	
East Midlands	1.3	6.7	1,446	7.7	5,908	3,828	24.6	
East Anglia	1.7	8.3	835	4.5	4,950	2,989	16.4	
South East	4.3	21.6	5,087	27.2	17,610	11,312	30.1	
South West	7.1	35.8	6,591	35.2	*		•	
West Midlands	1.1	5.5	719	3.8	3,052	2,064	20.6	
North West	0.9	4.8	999	5.3	9,960	7,615	57.9	
England	17.7	88.9	16,568	88.5	115,977	83,424	54.2	
Wales	0.4	2.1	316	1.7	*	*	*	
Scotland	1.4	7.1	1,521	8.1	5,348	3,711	22.2	
Great Britain	19.5	98.0	18,406	98.4	*	*	*	
Northern Ireland	0.4	2.0	307	1.6	*	*	*	
Unallocated (e)	-		-	-	132,224	95,177	_	
United Kingdom (b)	19.9	100.0	18,713	100.0	255,071	183,599		/

(a) Average number employed, including full and part-time employees (see table 7) and working proprietors.

(b) Including estimates for establishments not making satisfactory returns, non-response and establishments with fewer than 20 employees.

(c) New building work plus acquisitions less disposals of land and existing buildings, vehicles and plant and machinery.

(d) Where a census return covered addresses in two or more regions an estimate was made of the net output and gross value added attributable to the region only where more than 80 per cent of the establishment's employees were located in the region. The estimate was made by assuming that net output and gross value added at each address covered by a return was proportional to employment at the address.

(e) Unallocated net output and gross value added covering establishments with addresses in two or more regions, plus estimates for unsatisfactory returns, non-response and establishments exempt because of size.

TABLE 6

Percentage analysis of twelve-month periods covered by returns received from United Kingdom establishments employing 20 or more persons, 1976

Account	ting year ended	Percentage of tota	I returns received
and th	a statistican and a	per cent	gra Thiasa (an
1976	April (a)	2.4	
	May	1.2	
	June	10.6	
	July	1.2	
	August	0.0	
	September	9.4	
	October	2.4	
	November	4.7	
	December	57.6	
1977	January	0.0	
1377	February	0.0	
		10.0	
	March (b)	10.6	

(a) From 6th April.

(b) Including returns made for twelve-month period ended 1st to 5th April 1977.

TABLE 7

Percentage analysis of employees, by full and part-time employment and sex, 1976(a)

Sex	Full-time	Part-time
ton cash -	per cent	per cent
Male	88	tothes fighten 1 countries
Female	9	2

(a) The percentages relate to the numbers employed (excluding working proprietors) in the United Kingdom at end June, 1976.

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Teelight	al hallstep and is maller			
Percentage of total number employed				
per cent	t provide a set is a second provide the second provide a se			
0.5				
1.2				
13.2				
0.8				
0.0				
0.0				
48.0				
0.5				
AP 98				
1.0				
27.8				
0.0				
0.0				
0.0				
7.1				
	alegradiat standar senerated wet			

All employe	es	gugil	
per cent	BAR TAPA TAR		1. 39 8 1. 19 19
89			
11			

Source: Department of Employment

Notes

These notes give the main information needed for interpreting the figures in the industry Business Monitors: more detailed information about the census is given in a separate Business Monitor -PA1001 (Introductory Notes) of the Report on the Census of Production, 1976.

GENERAL INFORMATION

Changes made for 1976 The Census for 1976 is in line with similar inquiries being conducted in other member countries

of the European Economic Communities. There was a small number of changes in the scope of the industry reports compared with 1975. These include separate headings for:

Sales of goods produced

Receipts for work done and industrial services rendered

Amounts paid for hire of plant and machinery Amounts paid for rent of industrial and commercial buildings

Specific changes are explained in the introductions to the industry reports or by footnotes to the tables.

Suppression of information relating to individual undertakings

Section 9(5)(b) of the Statistics of Trade Act 1947 states - "The following provisions shall have effect with respect to any report, summary or other communication to the public of information obtained under the foregoing provisions of this Act -In compiling any such report, summary or communication the competent authority shall so arrange it as to prevent any particulars published therein from being identified as being particulars relating to any individual person or undertaking except with the previous consent in writing of that person or the person carrying on that undertaking, as the case may be; but this provision shall not prevent the disclosure of the total quantity or value of any articles produced, sold or delivered; so, however, that before disclosing any such total the competent authority shall have regard to any representations made to them by any person who alleges that the disclosure thereof would enable particulars relating to him or to an undertaking carried on by him to be deduced from the total disclosed."

If a figure involved disclosure the contributor concerned was sometimes asked to give permission for its publication. In the majority of cases permission was given. When it was refused and where contributors were not approached the figure has been suppressed, either by combining it with other figures, or as in the regional tables, by omitting the figure altogether.

Symbols used

The following symbols are used throughout the PA series of Business Monitors:

- .. not available
- nil or less than half the final digit shown figures cannot be shown owing to the risk of
- disclosing information about individual enterprises
- revised

Rounding of figures

Figures in the tables have, where necessary, been rounded to the nearest final digit. Where figures have been so rounded, the sum of the constituent items may not always agree exactly with the total shown.

(111)

Industrial classification

Standard Industrial United Kingdom Classification (SIC) was first issued in 1948 and was subsequently revised in 1958 and 1968. It exists to promote uniformity and comparability in the official statistics of the United Kingdom. The general principles followed are those of the International Standard Industrial Classification of all Economic Activities of the United Nations Statistical Office but the United Kingdom SIC reflects the organisation and structure of industry and trade as it exists in the United Kingdom. The SIC is a classification by activity and is not a commodity classification. However, an index of all commodity headings for which sales data are provided in the Quarterly Business Monitors, is published in Business Monitor PQ1000.

Statistical units

The statistical unit for the purpose of the Census is the establishment which is defined in the SIC as the smallest unit which can provide the information normally required for an economic census, for example, employment, expenses, turnover, capital formation. Usually the principal activities carried on in an establishment fall within a single heading of the classification (e.g. steel making or sugar refining). Typically establishment embraces all the activities the carried on at a single address e.g. a farm, a mine or a factory, including those which are ancillary to the principal activities. Frequently distinct activities characteristic of different industries are carried on at one address, but normally these are not classified separately and the whole establishment is classified according to the main activity. If, however, the required range of data can be provided for each activity, each is taken to constitute a separate establishment. Sometimes activities which are conducted as a single business are carried on at a number of addresses. Where this is so, businesses are asked to provide the full range of separate information in respect of each address, whether or not the activities are different. Their activities may, however, be integrated to such an extent that they constitute a single establishment. In the latter case the establishment is defined to cover the combined activities at these addresses (termed local units). Separate figures are obtained of employment and net capital expenditure at each unit in order to compile regional tables.

Efforts are made by the Business Statistics Office to ensure, by negotiating with respondents, that the return from an establishment does not cover local units or addresses in more than one of the countries of the United Kingdom.

Further information about the statistical unit appeared in an article "The statistical unit in business inquiries" in Statistical News No.13 May 1971.

Establishments are asked to exclude from their returns particulars relating to any department not engaged in production e.g. merchanting, transport, warehousing, for which they keep a separate set of accounts. Transfers of goods produced to such departments are treated as sales and respondents are asked to value them as far as possible as if sold to an independent purchaser. Where separate accounts are not kept they are asked to include details of all these activities in their return. Particulars relating to head offices mainly engaged in the administration of the production units within the scope of the census were included. Where more than one return was made the information in respect of the head office was apportioned among them.

For certain purposes in the annual censuses of

production (especially the enterprise analyses of Business Monitor PA1002) related establishments are combined. For these purposes an enterprise group may be defined as a business consisting of either a single establishment or two or more establishments under common ownership or control. Bringing together establishments into enterprise groups is also necessary for the purpose of ensuring that there will be no disclosure of the activities of any one enterprise group. Information about the relationship of establishments, the changing structure of groups of companies and about common ownership links is obtained from many sources, including the Stock Exchange Year Book, company reports, press reports and information supplied by individual establishments.

THE REGISTER

The register permits a questionnaire to be sent direct to the reporting establishment on which the latter can include information relating to all the manufacturing (or local) units which it comprises. The inquiries provide a major source of information for keeping the register continuously up-to-date and act as a check on its detail and structure. For the establishments on the register making returns to the quarterly inquiries, the industrial classification is derived from an analysis of their sales of commodities and is reviewed annually. Employment data are entered on the register from returns to the annual census of production. In cases where an establishment does not make a return to these inquiries the employment data are based on information provided by the Department of Employment from the annual censuses of employment.

Establishments with 20 or more employees are included in the censuses each year and the information they supply to the census is supplemented by the returns that those with 25 or more employees provide to the quarterly inquiries. Information about establishments with fewer than 20 employees in most industries is less securely based, but increasing use has been made of data on these small establishments supplied by the Department of Employment. One benefit of using this information is an improvement in the estimates of the number of smaller establishments and enterprises, but there is little effect on other aggregates (e.g. employment, output, net capital expenditure).

Coverage

A return was required in the 1976 Census from each establishment with 20 or more employees. Each establishment is classified to an industry, as defined in the SIC, whose principal products form the major part of the establishment's sales.

Regions

The regions defined in Table 5 take account of the boundary changes arising out of the Local Government Act 1972 and the Local Government Act (Scotland) 1973. These changes came into effect in April 1974 in England and Wales and May 1975 in Scotland.

TERMS USED IN THE CENSUS REPORT

verage number employed

Establishments were required to state the number persons on the payroll on average during the lear of return, whether full-time or part-time employees. Separate figures were required for:

- (a) administrative, technical and clerical
- employees
- (b) all other employees (operatives)

verages could be calculated from the figures relating to the last week of each calendar month. stablishments were also required to state the number of working proprietors where appropriate and these are included in total employment figures. The figures include persons engaged on merchanting or factoring and canteen workers where particulars in respect of these activities could not be excluded from the return.

Working proprietors These include all persons regarded as "selfemployed" for national insurance purposes and members of their families who worked in the business without receiving a wage or salary; but such 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: directors paid by fee only are not included.

Employees office employees.

Capital expenditure Capital expenditure during the year in respect of manufacturing units where production had not started before the end of the year is included. Establishments were asked not to deduct from the value of capital expenditure amounts received or expected to be received in grants or allowances from the Government or any statutory body or local authority. Establishments with 100 or more employees were asked to include a total net capital expenditure figure for each calendar year.

(a) New building work This represents the cost incurred during the year of new building and other constructional work to be used in connection with the business covered by the return. The value is that charged to capital account during the year of return: it includes expenditure on new buildings and on the extension or reconstruction 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 legal charges, stamp duties, agents! commissions, etc.

(b) 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 assets acquired in taking over an existing business), and the amounts receivable for freeholds or leaseholds disposed of. The value is that charged to capital account during the year of return.

Administrative, technical and clerical employees include directors in receipt of a definite wage, salary or commission, managers, superintendents and works foremen; research and design employees (other than operatives); draughtsmen, editorial staff, advertising staff, travellers and all

Operatives include all other classes of employees, that is, broadly speaking, all manual wage earners. They include operatives employed in power stations, transport (including roundsmen), warehouses, stores, shops and canteens, inspectors, maintenance workers and cleaners. Operatives engaged in outside work of erecting, fitting etc. are also included.

(c) 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. Deductible value added tax is excluded but non-deductible value added tax on motor cars acquired is included. No deduction is made for depreciation, amortization or obsoles-cence. The proceeds of items disposed of during the year exclude amounts written-off for items scrapped.

Cost of industrial services

This includes amounts payable to other firms for work done on materials supplied by the establish-ment, payments for repairs and maintenance (including those in respect of rented buildings) and amounts paid to other firms for contracts which have been sublet.

Cost of non-industrial services

This includes rent of industrial and commercial buildings, hire of plant and machinery, commercial insurance premiums, bank charges and amounts paid for professional services, post office services, transport, advertising etc. Amounts payable on royalties for the right to use patents, trademarks, copyrights etc., manufacturing, mining and quarrying rights and technical "know-how" are also included.

Gross output

In the calculation of gross output the value of total sales and work done is increased by the rise (or reduced by the fall) during the year in the value of goods on hand for sale.

Net output

Net output, a customary census measure, is calculated by deducting from gross output the cost of purchases (reduced by the rise, or increased by the fall, during the year of stocks of materials etc.) and the cost of industrial services received, and where applicable, duties etc.

Net output per head

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

Gross value added at factor cost

Gross value added at factor cost is calculated by deducting from net output the cost of nonindustrial services (e.g. rent of buildings, hire of plant and machinery, commercial insurance premiums, bank charges and amounts paid for professional services, post office services, transport and advertising), rates (excluding water rates) and the cost of licensing motor vehicles. This estimate of gross value added approaches more closely than census net output to the definition of net output or value added in national accounts statistics.

Gross value added at factor cost per head

The figures of gross value added at factor cost per head are derived by dividing the gross value added by the average number of persons employed (full and part-time) on all activities covered by the returns, including operatives, administrative, technical and clerical employees and working proprietors.

Purchases

Purchases include the cost of raw materials, components, semi-manufactured goods and workshop materials; of replacement parts and consumable tools

not charged to capital account; of packaging materials of all types; of stationery and printed matter; of fuel, electricity and water; of materials to be used by the establishment or given out to other establishments for the production of machinery or other capital items for the establishment's own use; of materials for use by the establishment when working on goods supplied by customers; and of food, etc. for any canteen covered by the establishment's return. Transfers of goods to the establishment from another department of the same firm not covered by the establishment's return are included at a cost corresponding to the estimated selling value recorded by the other department. Amounts payable to transport firms or credited to the firm's own transport department for delivery of materials are excluded, as are all purchases of machinery and plant charged to capital account. Purchases of goods for merchanting or factoring have been collected separately since 1973. The values shown exclude VAT. They include, in addition to the actual purchase price, the value of packaging material charged to the establishment. The value of returned goods or packaging material returned to suppliers and any trade discounts are excluded, Materials purchased duty-paid are included at their duty-paid value, less any drawback, rebate, etc. The cost of transport is included only if it is included with the purchase price in the firm's accounts. Imported goods are included at their full delivered cost. If in the firm's accounts the transport from docks or airport is not included in the cost of goods purchased, the cost is entered at c.i.f. plus duty (if applicable). Leasing, renting and hire purchase charges are excluded.

Sales of goods produced

Sales for the purposes of the annual censuses means deliveries on sale of minerals raised or goods made by establishments in the United Kingdom covered by the inquiry. Sales of goods made for these establishments by other establishments from materials given out to them and sales of waste products are included. New building work and Wages and salaries machinery or other capital items produced by These are amounts paid during the year to establishments for hiring out or leasing are regarded as sales, the value included in the return being that adopted in the establishments' capital asset accounts. Forward sales and canteen takings are excluded. All sales in the period of the inquiry are included irrespective of when the goods were manufactured. Goods produced in one establishment and transferred either to ancillary departments not engaged in production for which there are separate accounts, or to another establishment of the same firm not covered by the return, are treated as sales by the producing establishment and valued as far as possible as li they had been sold to an independent purchaser. Goods transferred to wholesale or retail selling organisations, for which separate accounts are kept are valued on the same basis.

The value shown for sales is the "net selling value" defined as the amount (excluding value added tax) charged to customers whether on an ex-works σ delivered basis, after any trade discounts and agents' commissions have been deducted. The cost of packing materials less allowance for returnable cases is included.

Work done and industrial services rendered

Figures for work done represent the amount charge for work carried out on materials supplied by customer and include the value of any material bought and used in such work. Activities with this heading includes repair and jobbing work erection and installation of plant and machinery exploration work, and research and development.

Industrial services rendered include repairs and maintenance, installation work, and technical esearch and studies for other organisations.

apital goods produced for establishments' own use this includes all work of a capital nature carried out during the year by the establishments' own staff for their own use.

on-industrial services rendered

his includes rents received for commercial and ndustrial buildings, amounts charged for hiring out plant, machinery and other goods and amounts harged to other organisations for the provision of ransport. It also includes amounts received for e right to use patents, trademarks, copyrights tc., manufacturing, mining and quarrying rights nd technical "know-how" and revenue from such staff facilities as canteens.

Goods merchanted or factored

erchanted goods are those (excluding canteen sales) sold without having been subjected to any anufacturing process by the seller.

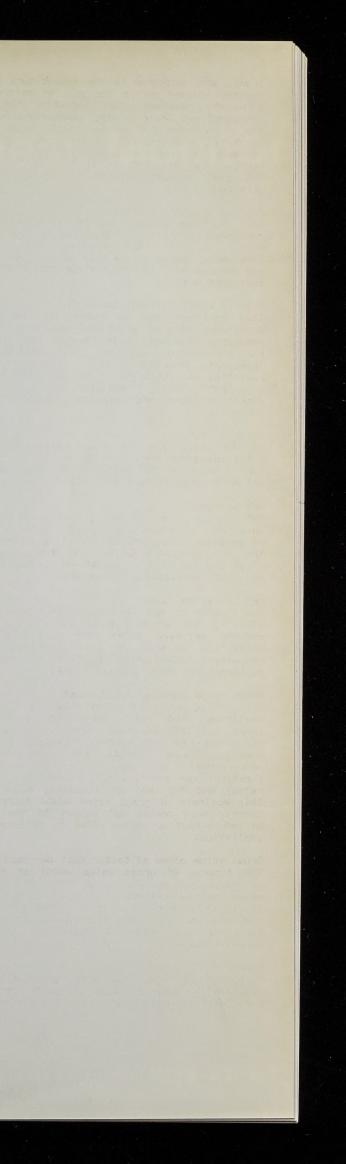
Stocks and work in progress

Values are given of stocks of goods on hand for sale and of materials, stores and fuel, at the end of the year of return and of the change during the year, including any stocks of goods held for merchanting or factoring. Work in progress is including any stocks of goods held for defined as materials which have been partially processed by the establishment but which are not usually sold or transferred to another estabishment without further processing. The values used, together with a margin of overhead costs and profits. Progress payments made to sub-contractors are excluded and progress payments received from other organisations are not deducted.

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 redundancy payments less any amounts reimbursed from Government sources is included. The value of any payments in kind, travelling expenses etc. is excluded.

Employers' insurance and welfare contributions This item includes employers' contributions to national insurance and graduated pensions (and/or earnings related basic contributions under the Social Security Act, 1973) as well as commercial insurance premiums to provide pensions, super-

annuation or other retirement benefits, sickness benefits, personal accident benefits, disability or death benefits for employees or former employees or their dependants. Contributions to the running costs of canteens, social centres, children's and holiday homes, etc. for employees, former employees and their dependants are also included.



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