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Business Monitor

Report on the Census of Production

Animal and poultry foods



MSO

A publication of the Government Statistical Service

PA219

Business Monitor

A publication of the Government Statistical Service

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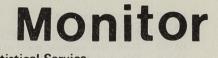
Report on the Census of Production 1978

Animal and poultry foods

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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PA219 ANIMAL AND POULTRY FOODS

The information in this report relates to establishments classified to the Animal and poultry foods industry, minimum list heading 219 in the Standard Industrial Classification (revised 1968). The activities of the industry include: -

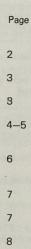
Manufacturing or compounding animal and poultry food, bird and pet foods. The production of grain offals is classified to the Grain milling industry; the production of oilseed cakes and meals is classified to the Vegetable and animal oils and fats industry and the manufacture of animal and poultry medicines, condiments and spices is classified to the Pharmaceutical chemicals and preparations industry.

In interpreting the data in the tables it is essentail to bear in mind the notes and definitions which commence on page (iii).

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7	Percentage analysis	of employees, by	full and part-time	e employment and sex, 1977
8	Operating ratios, 19	77–1978		

1



added

Output and costs, 1974–1978 All United Kingdom establishments classified to the industry (a)

	Unit	1974	1975	1976	1977	1978
Enterprises	Number	533	523	539	541	556
Establishments		682	679	691	683	· 697
Sales of goods produced	£ thousand	1,138,467	1,164,266	1,521,748	1,882,693	1,797,085
Receipts for work done and industrial services rendered	"	.(b)	(b)	2,064	1,822	2,893
Capital goods produced for establish- ments' own use		491	203	272	305	413
Non-industrial services rendered	"	1,189	898	1,044	1,322	1,854
Goods merchanted or factored	"	200,948	197,171	291,067	352,823	345,106
Total sales and work done (c)	"	1,341,095	1,362,539	1,816,196	2,238,964	2,147,350
ncrease during the year, work in progress and goods on hand for sale	"	6,708	-1,113	8,731	7,124	2,461
Gross output	"	1,347,803	1,361,426	1,824,926	2,246,087	2,149,811
Purchases of materials for use in pro- duction, and packaging and fuel	"	940,999	948,448	1,269,439	1,553,936	1,455,880
Purchases of goods for merchanting or factoring	"	181,443	176,080	266,037	322,417	307,329
ncrease during the year, stocks of naterials, stores and fuel	"	-4,323	-695	22,950	3,948	7,883
Cost of industrial services received	"	7,375	8,937	10,769	13,100	17,648
Net output	"	213,664	227,266	301,631	360,582	376,836
Total employment (d)	Thousands	31.1	30.0	30.0	29.8	28.4
Net output per head	£	6,862	7,563	10,070	12,081	13,246
Payments for non-industrial services						
Hire of vehicles, plant and machinery	£ thousand	1,798	2,664	1,363	2,641	3,111
Rents of industrial and commercial buildings	,,	(e)	(e)	607	928	1,338
Commercial insurance premiums	"	2,295	2,423	3,210	4,134	5,458
Bank charges	"	605	473	520	342	439
Other non-industrial services	"	30,484	38,504	44,201	56,486	69,208
Licensing of motor vehicles	"	644	665	864	912	1,281
Rates, excluding water rates	"	2,645	3,288	3,586	4,231	4,040
Gross value added at factor cost	·· ·	175,193	179,248	247,281	290,907	291,962
Gross value added at factor cost per head	£	5,627	5,965	8,256	9,747	10,262

Including estimates for establishments not making satisfactory returns, non-response and establishments not selected for the Census. Satisfactory returns accounted for 74 per cent of employment within the industry. (a)

·(b) Included in sales of goods produced.

Details of manufacturers' quarterly sales of principal products are published regularly in Business Monitor PQ219. (c)

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

(e) For 1974 and 1975 rents of industrial and commercial buildings were not recorded separately, but included in hire of vehicles, plant and machinery.

TABLE 2 PA219

Capital expenditure, 1974–1978 classified to the industry (a)(b)

All United Kingdom establishments cl		/ (0//0/			£	thousand
	1974	1975	1976	1977	1978	
Land and buildings					and the second second	
New building work	5,181	2,387	3,532	7,883	7,064	
Land and existing buildings						
Acquisitions	1,093	557	997	2,431	1,677	
Disposals	1,234	971	555	806	1,069	
Vehicles						
Acquisitions	4,563	3,995	6,357	8,495	9,489	
Disposals	1,401	1,078	1,366	1,797	2,597	
Plant and machinery						
Acquisitions	14,490	13,281	19,052	33,117	34,261	
Disposals	420	504	399	643	745	
Total net capital expenditure	22,273	17,668	27,618	48,680	48,081	

Including estimates for establishments not making satisfactory returns, non-response and establishments not selected for the Census.

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

TABLE 3

Stocks and work in progress, 1974–1978 All United Kingdom establishments classified to the industry (a)

						£ thousand
	1974	1975	1976	1977		1978
STRANGER .	interes in	10	Increase	and the second	a service and	Value at end of year
Materials, stores and fuel	-4,323	-695	22,950	3,948	7,883	96,782
^{Work} in progress	11	98	14	-1	72	657
Goods on hand for sale	6,698	-1,211	8,717	7,125	2,389	52,892
Total	2,386	-1,809	31,681	11,071	10,344	150,331

Including estimates for establishments not making satisfactory returns, non-response and establishments not selected for the Census.

PA219

Analysis of establishments by size, 1978 All United Kingdom establishments classified to the industry (a)

Size group (b)	Estab- lish- ments	Enter- prises (c)	Employment			Wages and sa	Wages and salaries (f)			
			Total	Opera- tives	Others (e)	Operatives	Operatives		Others (e)	
			(d)		(0)	Total	per head	Total	per head	
	Number	Number	Number	Number	Number	£ thousand	£	£ thousand	£	
1-10	321	298	1,647)							
11-19	138	129	2,002)							
			.)	6,814	4,006	22,644	3,323	14,867	3,711	
20—49	113	100	3,688)							
50—99	57	45	4,038)							
100—199	45	26	6,036	3,323	2,713	12,972	3,904	11,147	4,109	
200—299	15	13	3,585	2,303	1,281	9,619	4,177	5,387	4,205	
300 and over	8	5	7,454	4,394	3,060	21,296	4,847	17,098	5,588	

	and the second sec	and the second			
Total sales and work done (g)	Gross output	Net output		Gross value added at factor cost	
		Total	per head	Total	per head
£ thousand	£ thousand	£ thousand	£	£ thousand	£
773,066	772,653	115,561	10,159	(j)	(j)
459,579	459,914	69,407	11,499	145,411(j)	8,352(j)
323,425	323,408	45,641	12,731	38,152	10,642
591,280	593,834	146,227	19,617	108,399	14,542

Total	697	556	28,450	16,834	11,060	66,532	3,952	48,499	4,385
(a) Includ	ing estimates fo	r establishmer	ts not making s	atisfactory re	turns, non-res	ponse and esta	blishments no	t selected for th	ne Census.

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

(c) The sum of the figures for the size groups may exceed the total for the industry because some enterprises control establishments in more than one size group.

4

(d) Including working proprietors.

(e) Administrative, technical and clerical employees. The cost of employers' contributions to national insurance, pensions and welfare schemes and the running costs of canteens, is estimated for the industry at £21,108 thousand.

13,246

Sales of goods produced, capital goods manufactured and buildings constructed by establishments for their own use, work done, industrial and non-industrial services rendered and merchanted goods.

5

291,962

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

Gross value added data relate to establishments employing 1-199.

376,836

2,147,350

2,149,811

PA219

Net capital expenditure (h)

Total stocks and work in progress at end of year

£ thousand

£ thousand

18,053

53,006

8,747 29,304 4,736 20,615 16,545 47,406

48,081

10,262

150,331

Regional distribution of employment, net capital expenditure, net output and gross value added at factor cost, 1978 All United Kingdom establishments classified to the industry (a)

Area	Total employment	(b)	Net capital expenditure ((c)	Net output (d)	Gross value added at factor cost (d)	Gross value added at factor cost returned by establishments with 80 per cent or more of their employment
							in the region as a proportion of total gross value added at factor cost in the region
	Thousands	per cent of United Kingdom	£ thousand	per cent of United Kingdom	£ thousand	£ thousand	percentage
Standard regions of England							
North	0.9	3.0	2,185	4.5	10,161	8,135	38.3
Yorkshire and Humberside	2.8	9.8	2,811	5.8	32,566	25,325	26.4
East Midlands	4.2	14.8	10,428	21.7	73,687	47,110	87.9
East Anglia	3.0	10.6	6,055	12.6	39,966	32,164	63.5
South East	3.7	13.2	6,063	12.6	48,956	38,986	34.5
South West	3.7	13.0	4,621	9.6	47,536	37,997	59.5
West Midlands	1.5	5.2	2,522	5.2	17,511	13,086	62.3
North West	3.2	11.3	6,130	12.8	39,752	32,616	58.4
England	23.0	80.8	40,815	84.9	310,137	235,419	
Wales	0.6	2.2	843	1.8	8,071	6,751	51.5
Scotland	2.9	10.1	3,195	6.6	34,514	28,922	79.6
Great Britain	26.5	93.1	44,853	93.3	352,721	271,092	
Northern Ireland	2.0	6.9	3,228	6.7	24,115	20,870	77.7
United Kingdom	28.4	100.0	48,081	100.0	376,836	291,962	

Including estimates for establishments not making satisfactory returns, non-response and establishments not selected for the Census. (a)

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

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

Where a census return covered addresses in two or more regions, an estimate of the net output attributable to each address was made by assuming that net output was proportionate to employment. An estimate for each region was obtained by aggregating estimates of net output for addresses located in that region. Gross value added at factor cost is treated similarly. (d)

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TABLE 6

PA219

Percentage analysis of twelve-month periods covered by returns received from United Kingdom establishments, 1978

Accou	nting year ended	Percentage of total returns received	Perce
	Carling and the Description	per cent	per c
1978	April (a)	4.6	1.8
	Мау	2.0	1.0
	June	11.2	6.8
	July	2.0	0.8
	August	3.3	0.9
	September	15.1	15.2
	October	8.6	6.1
	November	1.3	0.7
	December	25.7	41.4
1979	January	4.6	3.1
	February	7.2	12.0
	March (b)	14.5	10.2

From 6th April.

(b) Including returns made for twelve-month period ended 1st to 5th April 1979.

TABLE 7

Percentage analysis of employees, by full and part-time employment and sex, 1977(a)

Sex	Full-time	Part-time	
	per cent	per cent	-
Male	79	2	
Female	14	5	
		Ŭ	

The percentages relate to the numbers employed (excluding working proprietors) in the United Kingdom at mid-June, 1977.

7

centage of total number employed

cent

All employees

per cent

81

19

Source: Department of Employment

Operating ratios, 1977-1978 All United Kingdom establishments classified to the industry (a)

	Unit	. 1977	1978
Gross output per head	£	75,256	75,565
	£	12,081	13,246
Net output per head		,	
Gross value added per head	£	9,747	10,262
Gross value added as a percentage of gross output	%	13	14
		15.4	14.3
Ratio of gross output to stocks		15.4	14.5
Wages and salaries as a percentage of gross value added	%	37	39
Ratio of operatives to administrative, technical and clerical employees		1.6	1.5
		1.0	1.5
Wages and salaries per administrative, technical and clerical employee	£	4,009	4,385
		-	
Wages and salaries per operative	£	3,531	3,952
Net capital expenditure per head	£	1,631	1,690
Net capital expenditure as a percentage of gross value added	%	17	16

Including estimates for establishments not making satisfactory returns, non-response and establishments not selected for the Census.

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PA219

hese notes give the main information needed for interpreting he figures in the industry Business Monitors: more detailed formation about the census is given in a separate Business nitor PA 1001 (Introductory Notes) of the Report on the ansus of Production, 1978.

ENERAL INFORMATION

hanges made for 1978

the Census for 1978 is in line with similar inquiries being inducted in other member countries of the European Economic munities

census differed from earlier censuses in three respects. pling was introduced for establishments employing 20 to 49 nd a sample of smaller units was selected. A new question on leasing of capital assets was included for 1978 only. This will ide register information for use in related inquiries into leasing.

pression of information relating to individual undertakings ion 9(5)(b) of the Statistics of Trade Act 1947 states e following provisions shall have effect with respect to any ort, summary or other communication to the public of mation obtained under the foregoing provisions of this Act n compiling any such report, summary or communication the ompetent 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 his provision shall not prevent the disclosure of the total quantity or value of any articles produced, sold or delivered; so, owever, that before disclosing any such total the competent authority shall have regard to any representations made to hem 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". figure involved disclosure the contributor concerned was times asked to give permission for its publication. In the ority of cases permission was given. When it was refused and are contributors were not approached the figure has been essed, either by combining it with other figures, or as in the nal tables, by omitting the figure altogether.

bols used

following symbols are used throughout the PA series of ess Monitors:

ot available

l or less than half the final digit shown gures cannot be shown owing to the risk of disclosing ormation about individual enterprises. vised

ding of figures

ures in the tables have, where necessary, been rounded to the st final digit. Where figures have been so rounded, the sum the constituent items may not always agree exactly with the

strial classification

United Kingdom Standard Industrial Classification (SIC) was issued in 1948 and was subsequently revised in 1958 and . It exists to promote uniformity and comparability in the ial statistics of the United Kingdom. The general principles ved are those of the International Standard Industrial fication of all Economic Activities of the United Nations tical Office but the United Kingdom SIC reflects the isation and structure of industry and trade as it exists in the ed Kingdom. The SIC is a classification by activity and is commodity classification. However, an index of all commodity ngs for which sales data are provided in the Quarterly Business ors, is published in Business Monitor PQ 1000.

tical units

tatistical unit for the purpose of the Census is the establishment is defined in the SIC as the smallest unit which can provide prmation 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 (eg steel making or sugar refining). Typically the establishment embraces all the activities carried on at a single address eg 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 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 (BSO) to ensure, by negotiating with respondents, that the return from an establishment does not cover local units in more than one of the countries of the United Kingdom.

Establishments are asked to exclude from their returns particulars activities in their return.

For certain purposes in the annual censuses of production 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. New additions to the register are obtained from various sources including the Department of Employment and HM Customs and Excise. The 1973 Finance Act allows the latter to pass lists of businesses registered for VAT to the BSO. Where necessary details are sought directly from new businesses. Units which cease to trade are removed from the live register.

Coverage

In recent censuses returns have been required from all establishments employing 20 or more. For the 1978 Census in 68 selected manufacturing industries coverage of establishments in the 20 to 49 employment size band has been reduced to a 1 in 2 sample. This change has relieved some 5,800 firms of the need to complete a census return. The Census has included for the first time a small sample (around 10 per cent) of units employing 11 to 19 to meet an EEC requirement to collect a limited range of data from smaller units every 5 years.

relating to any department not engaged in production eg 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

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.

(especially the enterprise analyses of Business Monitor PA 1002) related establishments are combined. An enterprise group is 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

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

Average number employed

Establishments were required to state the average number of persons on the payroll during the year of return. Separate figures were required for:

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

Averages could be calculated from the figures relating to the last week of each calendar month. Establishments were also required to state the number of working proprietors where appropriate and these are included in total employment figures. Full-time and part-time employees are included but outworkers (ie persons employed by establishments who worked in their own homes etc on materials supplied by the establishment) are excluded. 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 "self-employed" 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

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

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, but outworkers are excluded.

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 and to state whether any of the investment shown in cost of new building work, vehicles or plant and machinery included goods for letting out on hire or leasing.

(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.

(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 plan 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 discount 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 obsolescence. The proceed 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 establishment, payments for repairs and maintenance (including those in respect of rented buildings and amounts paid to other firms for contracts which have been sublet. Payments to outworkers are excluded.

Cost of non-industrial services

This includes rents of industrial and commercial buildings, hire of plant, machinery and vehicles (excluding vehicles hired with drivers), commercial insurance premiums, bank charges and amount paid for professional services, post office services, transport (within the United Kingdom), advertising etc. Amounts payable on royalties for the right to use patents, trademarks, copyrights etc, manufacturing 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 work in progress and goods on hand for sale

Net output

Net output, a customary census measure, is calculated by deducting from aross output the cost of purchases (reduced by the rise, o 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, but excluding outworkers.

Gross value added at factor cost

Gross value added at factor cost is calculated by deducting from net output the cost of non-industrial services eq rent of building hire of plant, machinery and vehicles (excluding vehicles him with drivers), commercial insurance premiums, bank charges and amounts paid for professional services, post office services, transport (within the United Kingdom) 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, but excluding out workers.

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 fu electricity and water; of materials to be used by the establishmeter or given out to other establishments for the production of machin or other capital items for the establishment's own use; of materia for use by the establishment when working on goods supplied by

nomers; and of food, etc for any canteen covered by the establishment's return. Transfers of goods to the establishment m another department of the same firm not covered by the establishment's return are included at a cost corresponding to the imated selling value recorded by the other department. Amounts navable to transport firms or credited to the firm's own transport artment for delivery of materials are excluded, as are all rchases of machinery and plant charged to capital account. chases of goods for merchanting or factoring have been lected separately since 1973. The values shown exclude VAT. hey include, in addition to the actual purchase price, the value of packaging material charged to the establishment. The value of med goods or packaging material returned to suppliers and any ade discounts are excluded. Materials purchased duty-paid are cluded at their duty-paid value, less any drawback, rebate, etc. he cost of transport is included only if it is included with the chase price in the firm's accounts. Imported goods are included their full delivered cost. If in the firm's accounts the transport ndocks or airport is not included in the cost of goods purchased. he cost is entered at cif plus duty (if applicable). Leasing, ing and hire purchase charges are excluded.

les of goods produced

les for the purposes of the annual censuses means deliveries on ale of goods made by establishments in the United Kingdom ered by the inquiry. Sales of goods made for these establishments outworkers or by other establishments from materials given out them and sales of waste products are included. New building ork and machinery or other capital items produced by establishnts for hiring out or leasing are regarded as sales, the value cluded in the return being that adopted in the establishments' bital asset accounts. Forward sales and canteen takings are excluded. sales in the period of the inquiry are included irrespective of en the goods were manufactured. Goods produced in one stablishment and transferred either to ancillary departments not gaged in production for which there are separate accounts, or to her establishment of the same firm not covered by the return, treated as sales by the producing establishment and valued as as possible as if they had been sold to an independent purchaser. ods transferred to wholesale or retail selling organisations, for ich separate accounts are kept are valued on the same basis. the value shown for sales is the "net selling value" defined as the unt (excluding VAT) charged to customers whether on an works or delivered basis, after any trade discounts and agents'

issions have been deducted. The cost of packing materials allowance for returnable cases is included. In industries where ducts attract Excise Duty the value stated is usually inclusive duty if sold duty-paid and exclusive of duty if sold in bond exported.

eipts for work done and industrial services rendered

ures for work done represent the amount charged for work ied out on materials supplied by a customer and include repair ork. Within certain industries this heading covers a wide variety of vities, for example, within the food sector - butter packed on mission; within the textile industries - making up of garments, dressing and textile finishing; within printing and publishing aratory work on type-setting, block making and binding. Work ne is also significant in the electrical machinery and heavy neering industries, covering erection, installation and repair and ng work. Other activities within this heading include exploration k, research and development, glass cutting and dressing and ing of timber.

strial services rendered include repairs and maintenance, instaon work, and technical research and studies for other isations

ital goods produced for establishments' own use

his includes all work of a capital nature carried out during the by the establishments' own staff for their own use.

Non-industrial services rendered This includes rents received for commercial and industrial buildings. amounts charged for hiring out plant, machinery and vehicles and other goods and amounts charged to other organisations for the provision of transport. It also includes amounts received for the right to use patents, trademarks, copyrights etc, manufacturing and quarrying rights and technical "know-how" and revenue from such staff facilities as canteens.

Goods merchanted or factored Merchanted goods are those (excluding canteen sales) sold without having been subjected to any manufacturing 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 defined as materials which have been partially processed by the establishment but which are not usually sold or transferred to another establishment without further processing. The values include the cost of materials consumed and labour used. Progress payments made to subcontractors are excluded and progress payments received from other organisations are not deducted.

Wages and salaries

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

Remuneration paid to outworkers The remuneration paid to outworkers (ie persons employed by

Employers' insurance and welfare contributions This item includes employers' contributions to national insurance under the Social Security Pensions Act, 1975 as well as commercial insurance premiums to provide pensions, superannuation 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.

Operating ratios

The operating ratios shown were obtained by dividing the estimate of the industry total for the quantity shown in the numerator by the corresponding estimate for the quantity shown in the denominator. These estimates cover all establishments classified to each industry, including not selected establishments and non-respondents. Within an industry, it is possible to compare ratios for an individual firm with the ratios shown for the relevant industry. However, it is important to bear in mind that various factors may affect the results - for example, differences in definitions, treatment of depreciation (which is not identified in the census data) and varying practice with regard to stock valuation, may affect comparability in some respects.

(v)

the establishment who do their work in their own homes) is generally on a piece-work basis. Only amounts paid to outworkers whose names appear on the establishment's payroll are included. Amounts paid to outworkers by sub-contractors are excluded.

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