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Business Statistics Office

Report on the

Census of Production

Brewing and malting

Business Monitor

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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. Business Monitors have a code P (for production) followed first by A (indicating that it is an annual series) or O (occasional) 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.

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Report on the Census of Production 1978

Brewing and malting

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

List of Industry Reports, etc.

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PA231 BREWING AND MALTING

The information in this report relates to establishments classified to the Brewing and malting industry, minimum list heading 231 in the standard Industrial Classification (revised 1968). The activities of the industry include:--

The brewing of beer and malting barley. Bottling and canning by brewers is included, but establishments engaged wholly or mainly in bottling or canning drinks purchased from other firms (or in bottling or canning on commission) are excluded.

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

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TABLE 1

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

	Unit	1974	1975	1976	1977	1978
Enterprises	Number	123	125	127	129	123
Establishments	"	218	215	214	. 210	· 203
Sales of goods produced	£ thousand	1,083,984	1,416,119	1,824,661	2,070,484	2,301,748
Receipts for work done and industrial services rendered	"	(b)	(b)	2,548	2,443	5,170
Capital goods produced for establish- ments' own use	"	1,978	1,738	2,356	1,838	2,820
Non-industrial services rendered	"	6,981	10,237	8,692	10,116	9,701
Goods merchanted or factored	"	398,794	498,006	538,645	671,415	774,394
Total sales and work done (c)	"	1,491,737	1,926,100	2,376,902	2,756,294	3,093,833
Increase during the year, work in progress and goods on hand for sale	"	19,262	24,511	31,610	12,694	19,691
Gross output	"	1,510,999	1,950,611	2,408,512	2,768,988	3,113,524
Purchases of materials for use in pro- duction, and packaging and fuel	"	332,830	374,561	472,107	560,582	645,363
Purchases of goods for merchanting or factoring	"	305,950	382,368	422,532	537,709	551,691
Increase during the year, stocks of materials, stores and fuel	"	24,612	16,395	23,762	13,566	19,257
Cost of industrial services received		20,971	20,780	31,652	38,650	47,173
Excise payments, etc. (net)	"	406,315	575,999	757,489	860,356	902,096
Net output	<u>.</u>	469,544	613,298	748,495	785,257	986,458
Total employment (d)	Thousands	68.0	66.2	62.0	61.8	61.3
Net output per head	£	6,905	9,261	12,079	12,705	16,098
Payments for non-industrial services						
Hire of vehicles, plant and machinery	£ thousand	3,928	4,284	3,270	6,026	6,004
Rents of industrial and commercial buildings	"	(e)	(e)	2,187	2,704	2,502
Commercial insurance premiums	"	4,469	5,156	5,960	6,985	7,550
Bank charges	"	543	522	635	624	823
Other non-industrial services	,,	24,686	27,355	28,805	40,021	48,521
Licensing of motor vehicles	"	1,615	1,626	1,719	2,205	2,340
Rates, excluding water rates		7,052	9,750	12,307	12,697	12,807
Gross value added at factor cost		427,251	564,606	693,611	713,994	905,910

Including estimates for establishments not making satisfactory returns, non-response and establishments not selected for the Census. Satisfactory returns accounted for 96 per cent of employment within the industry. (a)

(b) Included in sales of goods produced.

(c) Details of manufacturers' quarterly sales of principal products are published regularly in Business Monitor PQ231.

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

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

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TABLE 2

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Capital expenditure, 1974–1978 All United Kingdom establishments classified to the industry (a)(b)

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£ thousand 1974 1975 1976 1977 1978 Land and buildings New building work 43,394 24,376 20,984 30,905 40,948 Land and existing buildings Acquisitions 11,241 5,252 3,147 4,862 6,810 Disposals 10,017 9,659 10,061 8,055 9,931 ehicles Acquisitions 9,245 8,646 12,007 18,241 21,692 Disposals 1,612 1,018 2,172 2.546 3,651 lant and machinery Acquisitions 73,205 63,243 67,169 104,459 121,600 Disposals 2,050 2,502 1,628 1,373 1,822 Total net capital expenditure 123,406 88.339 89,448 146,493 175,646

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
the states	NET.202 844,24427	26.22840.07	Increase	08025	Eliterat	Value at end of year
Materials, stores and fuel	24,612	16,395	23,762	13,566	19,257	137,368
Work in progress	5,694	13,665	11,974	6,752	2,494	61,316
Goods on hand for sale	13,568	10,846	19,636	5,942	17,198	103,448
Total	43,873	40,905	55,372	26,260	38,948	302,133

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

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TABLE 4

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 (d)	Opera- tives	Others (e)	Operatives		Others (e)	
			(0)	11463	(6)	Total	per head	Total	per head
	Number	Number	Number	Number	Number	£ thousand	£	£ thousand	£
1-10	53	39	301)						
11-19	21	21	309)						
20-49	21	20) 665)	2,086	850	7,420	3,557	3,738	4,398
50-99	23	22) 1,715)						
100–199	27	25	3,994	2,785	1,208	10,341	3,713	5,282	4,373
200–299	15	14	3,704	2,621	1,083	10,431	3,980	4,824	4,454
300-399	7	7	2,360	1,583	772	6,437	4,066	3,184	4,124
400-499	5	5	2,137	1,246	891	5,027	4,035	3,829	4,297
500-749	10	8	5,842	3,624	2,218	15,769	4,351	9,261	4,175
750–999	6	6	5,305	3,928	1,377	15,532	3,954	6,108	4,436
1,000—1,499	5	4	5,843	3,846	1,997	16,532	4,298	8,837	4,425
1,500—2,499	6	3	11,727	6,648	5,079	33,637	5,060	24,580	4,840
2,500 and over	4	4	17,378	12,059	5,319	59,876	4,965	24,274	4,564

Total	203	123	61,280	40,426	20,794	181,003	4,477	93,916	4,517

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

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(d) Including working proprietors.

(e) Administrative, technical and clerical employees.

Total sales and work done (g)	Gross output	Net output		Gross value added at factor cost			Total stocks and work in progress at end of year
		Total	per head	Total	per head	•	
£ thousand	£ thousand	£ thousand	£	£ thousand	£	£ thousand	£ thousand
169,863	171,365	45,954	15,369	(j)	(j)	11,291	24,503
276,600	279,455	71,130	17,809	106,433(j)	15,240(j)	15,118	38,712
254,594	256,650	62,600	16,901	59,161	15,972	10,456	20,658
180,669	180,142	64,410	27,292	56,449	23,919	7,293	12,494
103,957	104,776	31,031	14,521	26,594	12,445	7,356	18,477
265,629	265,208	82,530	14,127	73,194	12,529	14,940	30,832
346,957	351,829	114,447	21,573	111,050	20,933	14,107	25,064
230,293	231,913	82,936	14,194	76,026	13,011	12,629	18,144
455,214	455,248	158,847	13,545	140,685	11,997	24,386	30,327
810,057	816,937	272,573	15,685	256,319	14,750	58,069	82,921

3,093,833	3,113,524	986,458	16,098	905,910	14,783

The cost of employers' contributions to national insurance, pensions and welfare schemes and the running costs of canteens, is estimated for the industry at \pounds 47,157 thousand. (f)

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. (a)

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(h) 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.

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175,646

302,133

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
			and a second sec				proportion of total gross value added at factor cost in the region
Entreport 1	Thousands	per cent of United Kingdom	£ thousand	per cent of United Kingdom	£ thousand	£ thousand	percentage
Standard regions of England							
North	4.2	6.9	12,534	7.1	57,258	54,445	70.8
Yorkshire and Humberside	5.6	9.2	15,029	8.6	83,322	77,580	50.5
East Midlands	2.7	4.4	8,751	5.0	69,431	59,748	69.0
East Anglia	3.2	5.3	5,618	3.2	33,562	27,296	67.5
South East	17.8	29.1	46,739	26.6	257,347	232,937	79.4
South West	3.7	6.1	7,378	4.2	59,154	55,507	86.6
West Midlands	7.6	12.4	30,539	17.4	92,702	84,398	16.3
North West	8.1	13.2	23,118	13.2	175,431	164,367	69.4
	a point and		. Stranger I	1.1.2.1	C. S. M. LAN	. 416.4	
England	53.0	86.4	149,706	85.2	828,207	756,280	/
Wales	*.	• *	*	*	*	*	*
Scotland	5.7	9.2	22,241	12.7	123,319	116,977	30.7
Great Britain	*	*	*	*	*	*	/
Northern Ireland	*	*	*		*	*	*
United Kingdom	61.3	100.0	175,646	100.0	986,458	905,910	/

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

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

(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 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.

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TABLE 6

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

Accour	nting year ended	Percentage of total returns received	Percentage of total number employed
		per cent	per cent
1978	April (a)	3.8	8.6
	Мау	al die alerseit - henderen	
	June	2.9	1.3
	July	1.0	0.1
	August	-	-
	September	42.9	47.8
	October	3.8	12.3
	November	1.0	0.4
	December	13.3	7.5
1979	January	3.8	1.1
	February	1.9	0.6
	March (b)	25.7	20.3

(a) 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	All employees	
	per cent	per cent	per cent	
Male	80	1	81	
Female	15	4	19	

Source: Department of Employment

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

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TABLE 8

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

	Unit	• 1977	1978
Gross output per head	£	44,802	50,808
Net output per head	£	12,705	16,098
Gross value added per head	£	11,552	14,783
Gross value added as a percentage of gross output	%	26	29
Ratio of gross output to stocks		10.4	10.3
Wages and salaries as a percentage of gross value added	%	33	30
Ratio of operatives to administrative, technical and clerical employees		2.0	1.9
Wages and salaries per administrative, technical and clerical employee	£	3,833	4,517
Wages and salaries per operative	£	3,877	4,477
Net capital expenditure per head	£	2,370	2,866
Net capital expenditure as a percentage of gross value added	%	20	19

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

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

NERAL INFORMATION

nges made for 1978

he Census for 1978 is in line with similar inquiries being anducted in other member countries of the European Economic ammunities.

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

ression of information relating to individual undertakings on 9(5)(b) of the Statistics of Trade Act 1947 states following provisions shall have effect with respect to any rt, summary or other communication to the public of mation obtained under the foregoing provisions of this Act compiling any such report, summary or communication the mpetent authority shall so arrange it as to prevent any articulars published therein from being identified as being articulars relating to any individual person or undertaking xcept with the previous consent in writing of that person or the erson carrying on that undertaking, as the case may be; but is provision shall not prevent the disclosure of the total uantity or value of any articles produced, sold or delivered; so, wever, that before disclosing any such total the competent thority shall have regard to any representations made to em by any person who alleges that the disclosure thereof ould enable particulars relating to him or to an undertaking arried on by him to be deduced from the total disclosed". figure involved disclosure the contributor concerned was mes asked to give permission for its publication. In the ity of cases permission was given. When it was refused and re 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.

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he following symbols are used throughout the PA series of usiness Monitors:

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

ounding of figures

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

Industrial classification

United Kingdom Standard Industrial Classification (SIC) was issued in 1948 and was subsequently revised in 1958 and 8. It exists to promote uniformity and comparability in the cial statistics of the United Kingdom. The general principles owed are those of the International Standard Industrial sitication of all Economic Activities of the United Nations istical Office but the United Kingdom SIC reflects the anisation and structure of industry and trade as it exists in the ted Kingdom. The SIC is a classification by activity and is a commodity classification. However, an index of all commodity dings for which sales data are provided in the Quarterly Business inters, is published in Business Monitor PQ 1000.

tical units

latistical unit for the purpose of the Census is the establishment is defined in the SIC as the smallest unit which can provide nformation 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 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 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 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 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.

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 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:

(a) administrative, technical and clerical employees

(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 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 obsolescence. 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 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 amounts 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 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, 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 eg rent of buildings, hire of plant, machinery and vehicles (excluding vehicles hired 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 outworkers.

Purchases

(iv)

Purchases include the cost of raw materials, components, semimanufactured 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

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

ales of goods produced

es for the purposes of the annual censuses means deliveries on of goods made by establishments in the United Kingdom ered by the inquiry. Sales of goods made for these establishments nutworkers or by other establishments from materials given out hem and sales of waste products are included. New building rk and machinery or other capital items produced by establishnts for hiring out or leasing are regarded as sales, the value huded in the return being that adopted in the establishments' hital 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 tablishment 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. ds transferred to wholesale or retail selling organisations, for ch separate accounts are kept are valued on the same basis. e value shown for sales is the "net selling value" defined as the ount (excluding VAT) charged to customers whether on an works or delivered basis, after any trade discounts and agents' nissions have been deducted. The cost of packing materials s 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

Receipts for work done and industrial services rendered

gures for work done represent the amount charged for work rried out on materials supplied by a customer and include repair ork. Within certain industries this heading covers a wide variety of tivities, for example, within the food sector - butter packed on mmission; within the textile industries - making up of garments, r dressing and textile finishing; within printing and publishing eparatory work on type-setting, block making and binding. Work one is also significant in the electrical machinery and heavy gineering industries, covering erection, installation and repair and bbing work. Other activities within this heading include exploration prk, research and development, glass cutting and dressing and aning of timber.

^{Idustrial} services rendered include repairs and maintenance, instaation work, and technical research and studies for other ganisations.

Capital goods produced for establishments' own use

is includes all work of a capital nature carried out during the rby 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 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.

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.

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