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Business Statistics Office

Business Monitor

Report on the Census of Production

Soft drinks

16 APR 1980 OF POLITICAL AND ECONOMIC SCIEDLA



A publication of the Government Statistical Service

PA232

Business Monitor

A publication of the Government Statistical Service

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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. 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).

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Report on the Census of Production 1977

Soft drinks

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

List of Industry Reports, etc.

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		PA232 SOFT
369.1	Electrical equipment for motor vehicles, cycles	
	and aircraft Primary and secondary batteries	The informat
369.4	Electric lamps, electric light fittings, wiring accessories, etc.	Industrial Cla
370 380	Shipbuilding and marine engineering Wheeled tractor manufacturing	Manufact
381.1	Motor vehicle manufacturing	powder o
381.2 382	Trailers, caravans and freight containers Motor cycle, tricycle and pedal cycle manufacturing	wholly or
383 384	Aerospace equipment manufacturing and repairing Locomotives, railway track equipment, railway carriages, wagons and trams	in the states
390	Engineers' small tools and gauges	
391 392	Hand tools and implements Cutlery, spoons, forks and plated tableware, etc.	
393	Bolts, nuts, screws, rivets, etc.	100
394 395	Wire and wire manufactures Cans and metal boxes	and the second second
396	Jewellery and precious metals	
399.1	Metal furniture Drop forgings, etc.	100.000
399.6	Metal hollow-ware	
399.8 411	Miscellaneous metal manufacture Production of man-made fibres	and the state of the
412	Spinning and doubling on the cotton and flax systems	and the second se
413 414	Weaving of cotton, linen and man-made fibres Woollen and worsted	
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419	Carpets	
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481	Paper and board Cardboard boxes, cartons and fibre-board packing cases	Table
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TDRINKS

tion in this report relates to establishments classified to the Soft drinks industry, minimum list heading 232 in the Standard assification (revised 1968). The activities of the industry include:-

turing aerated waters, fruit squashes and cordials, fruit and vegetable juices, ginger beer and other soft drinks, soft drinks in or crystallised form are included, bottling and canning by manufacturers of soft drinks are included, but establishments engaged

							ing on commission) are excluded.
					44-4-44-54	CPARGON S	
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TABLE 1

Output and costs, 1973–1977 All United Kingdom establishments classified to the industry (a)

	Unit	1973	1974	1975	1976	1977
Interprises	Number	341	323	305	313	305
stablishments	"	392	360	344	349	341
Sales of goods produced, work done and industrial services rendered	£ thousand	266,089	277,439	442,001	478,746	520,827
Capital goods produced for establish- ments' own use	"	237	128	22	131	101
Non-industrial services rendered	"	639	980	453	417	1,007
Goods merchanted or factored	"	50,420	69,309	94,248	100,376	122,557
Total sales and work done (b)	"	317,385	347,856	536,725	579,670	644,491
ncrease during the year, work in progress and goods on hand for sale	<i>"</i> ·	-374	6,565	6,744	7,816	4,123
Gross output	"	317,011	354,421	543,468	587,486	648,614
Purchases of materials for use in pro- duction, and packaging and fuel	.,	127,142	158,244	232,874	282,471	307,071
Purchases of goods for merchanting or actoring	"	41,679	53,050	72,636	82,744	89,981
ncrease during the year, stocks of naterials, stores and fuel	"	3,107	9,924	3,661	2,414	10,014
Cost of industrial services received	"	4,627	6,839	8,290	10,506	10,512
Net output	"	146,670	146,212	233,329	214,178	251,064
otal employment (c)	Thousands	31.4	29.8	27.9	27.0	25.8
Net output per head	£	4,677	4,912	8,370	7,945	9,739
ayments for non-industrial services						
Hire of vehicles, plant and machinery	£ thousand	2,677	2,972	4,636	906	2,647
Rents of industrial and commercial buildings	"	(d)	(d)	(d)	2,751	3,450
Commercial insurance premiums	"	842	929	1,042	1,389	1,405
Bank charges	"	91	97	184	202	272
Other non-industrial services	"	17,430	15,086	18,128	18,164	20,336
icensing of motor vehicles	"	508	485	450	621	699
lates, excluding water rates		1,697	1,890	2,650	3,059	3,220
Gross value added at factor cost		123,425	124,753	206,239	187,087	219,034
Gross value added at factor cost						

Including estimates for establishments not making satisfactory returns, non-response and establishments with fewer than 20 persons. Satisfactory returns accounted for 88 per cent of employment within the industry. (a)

(b) Details of manufacturers' quarterly sales of principal products are published regularly in Business Monitor PQ232.

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

(d) For 1973-1975 rents of industrial and commercial buildings were not recorded separately, but included in hire of vehicles, plant and machinery.

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TABLE 2

PA232

Capital expenditure, 1973–1977 All United Kingdom establishments classified to the industry (a)(b)

						£ thousand
	1973	1974	1975	1976	1977	ister.
Land and buildings			inches way	TRANSFILM (1)	(2). 2010000	
New building work	2,546	5,071	5,249	4,466	5,849	
Land and existing buildings						
Acquisitions	198	1,054	1,103	1,761	709	
Disposals	733	106	277	542	772	
Vehicles						
Acquisitions	2,234	2,536	1,924	3,686	3,720	
Disposals	321	302	226	476	662	
Plant and machinery						
Acquisitions	7,966	10,573	10,632	10,319	15,293	
Disposals	176	89	191	154	283	
Total net capital expenditure	11,714	18,738	18,213	19,060	23,854	

Including estimates for establishments not making satisfactory returns, non-response and establishments with fewer than 20 persons.

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

TABLE 3

(a)

Stocks and work in progress, 1973—1977 All United Kingdom establishments classified to the industry (a)

							£ thousand
		1973	1974	1975	1976		1977
		201.0880.53	No.	Increase	NT.BE SAR	HOR CONTRACTOR	Value at end of year
Materials, stores and fuel		3,107	9,924	3,661	2,414	10,014	46,441
^{Work} in progress		51	79	60	35	236	520
Goods on hand for sale		-425	6,486	6,804	7,781	3,887	32,897
Total	0 100010	2,733	16,488	10,405	10,230	14,136	79,859

Including estimates for establishments not making satisfactory returns, non-response and establishments with fewer than 20 persons.

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TABLE 4

PA232

Analysis of establishments by size, 1977 All United Kingdom establishments classified to the industry (a)

4

Size Iroup b)	Estab- lish- ments	Enter- prises (c)	Employme	nt		Wages and sa	laries (f)	and about	And and and	Total sales and work done (g)	Gross out	put	Net output		Gross value added at factor cost		Net capital expenditure (h)	Total stocks and work in progress at end of year
			Total	Opera- tives	Others (e)	Operatives		Others (e)		in the second								
			(d)	11403	(0)	Total	per head	Total	per head		er en en partent normen		Total	per head	Total	per head		
	Number	Number	Number	Number	Number	£ thousand	£	£ thousand	£	£ thousand	£ thousar	nd	£ thousand	£ to the sector	£ thousand	£	£ thousand	£ thousand
1–10	149	146	782)															
11–19	33	33	514)	5,283	1,351	12,872	2,437	4,236	3,135	119,929	120,628		44,926	6,517	(j)	(j)	6,544	14,874
20—49	71	68	2,240)	0,200	1,001	12,012	2,	viend	0,100	119,923	.20,020		11,020	0,017	() ⁷	U/	0,044	14,074
50-99	47	42) 3,358)						and the second									
00–199	16	16	2,292	1,692	580	4,672	2,761	2,146	3,700	85,131	85,910		28,675	12,511	60,840(j)	6,623(j)	3,233	6,975
200-299	11	10	2,772	1,955	813	5,023	2,569	2,474	3,043	52,270	52,450		20,948	7,557	17,368	6,266	1,633	6,091
00-749	7	7	2,907	2,318	589	6,813	2,939	1,916	3,253	81,155	81,801		28,761	9,894	23,611	8,122	2,257	10,996
50 and over	7	6	10,914	7,656	3,258	23,498	3,069	9,338	2,866	306,007	307,825		127,753	11,705	117,215	10,740	10,187	40,923
									Strategie 	and the second								
									a second									
									1.5 %									
									TALLS STRAT	100000 CG 1								
									nu instanti ni tang ki in									
										Sherr Law eas								
Total	341	305	25,779	18,904	6,591	52,878	2,797	20,110	3,051	644,491	648,614		251,064	9,739	219,034	8,497	23,854	79,859

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PA232

Regional distribution of employment, net capital expenditure, net output and gross value added at factor cost, 1977 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	
		900 0.550					gross value added at factor cost in the region	
Foldmann 3	Thousands	per cent of United Kingdom	£ thousand	per cent of United Kingdom	£ thousand	£ thousand	percentage	
Standard regions of England								
North	1.4	5.3	1,283	5.4	14,135	12,347	17.4	
Yorkshire and Humberside	2.6	10.2	2,043	8.6	24,010	19,968	22.5	
East Midlands	1.3	5.2	960	4.0	8,208	6,429	62.9	
East Anglia	0.9	3.5	617	2.6	10,999	10,101	82.3	
South East	7.1	27.4	9,256	38.8	92,348	83,404	21.1	
South West	1.5	5.7	1,442	6.0	17,861	16,102	3.0	
West Midlands	2.3	8.8	1,130	4.7	15,747	13,268	13.1	
North West	3.4	13.2	3,316	13.9	33,145	29,008	14.2	
England	20.4	79.3	20,047	84.0	216,453	190,627	/	
Wales	1.0	4.0	513	2.2	7,831	6,655	72.3	
Scotland	3.4	13.2	2,330	9.8	21,796	17,730	79.7	
Great Britain	24.9	96.5	22,891	96.0	246,080	215,012	/	
Northern Ireland	0.9	3.5	963	4.0	4,984	4,022	97.3	
United Kingdom	25.8	100.0	23,854	100.0	251,064	219,034		

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

(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.

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

PA232

Percentage analysis of twelve-month periods covered by returns received from United Kingdom establishments employing 20 or more persons, 1977

Accour	nting year ended	Percentage of total returns receive	d Percentage of total number employed
-	idi,ds	per cent	per cent
1977	April (a)	4.1	1.6
	Мау	0.8	0.3
	June	0.8	0.1
	July	1.6	0.4
	August	0.0	0.0
	September	9.8	16.5
	October	13.0	7.3
	November	0.0	0.0
	December	26.8	26.9
1978	January	13.0	7.7
	February	4.1	2.5
	March (b)	26.0	36.5

From 6th April. (a)

(b) Including returns made for twelve-month period ended 1st to 5th April 1978.

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	60	3	63
Female	26	11	37

Source: Department of Employment

(a) The percentages relate to the numbers employed (excluding working proprietors) in the United Kingdom at mid-June, 1976, because 1977 information is not yet available.

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TABLE 8

Operating ratios, 1977

All United Kingdom establishments classified to the industry (a)

ross output per head				
			£	25,161
				0.700
let output per head			£	9,739
ross value added per head			£	8,497
The second				
ross value added as a percentage o	f gross output		%	34
atio of gross output to stocks				8.1
ages and salaries as a percentage o	f gross value added	l .	%	33
atio of operatives to administrativ	e, technical and cle	erical		2.9
nployees				2.9
ages and salaries per operative			£	2,797
ages and salaries per administrative nployee	e, technical and cle	erical	£	3,051
et capital expenditure per head			£	925

(a) Including estimates for establishments not making satisfactory returns, non-response and establishments employing fewer than 20 persons.

Produced in Wales by Her Majesty's Stationery Office Reprographic Unit, Cardiff Dd. 597332 K6 Cdf 288 2/80 se notes give the main information needed for interpreting figures in the industry Business Monitors: more detailed prmation about the census is given in a separate Business nitor - PA 1001 (Introductory Notes) of the Report on the sis of Production, 1977.

FRAL INFORMATION

PA232

nges made for 1977

e Census for 1977 is in line with similar inquiries being nducted in other member countries of the European Economic mmunities. There was a small number of changes in the scope the industry reports compared with 1976.

the first time in the industry monitors a table has been duded on operating ratios, calculated from census measures of mut, investment, manpower and labour costs.

pedic changes are explained in the introductions to the industry motts or by footnotes to the tables.

of information relating to individual undertakings n 9(5)(b) of the Statistics of Trade Act 1947 states ollowing provisions shall have effect with respect to any summary or other communication to the public of ation obtained under the foregoing provisions of this Act compiling any such report, summary or communication the petent authority shall so arrange it as to prevent any iculars published therein from being identified as being iculars relating to any individual person or undertaking cept with the previous consent in writing of that person or the on carrying on that undertaking, as the case may be; but is provision shall not prevent the disclosure of the total antity or value of any articles produced, sold or delivered; so vever, that before disclosing any such total the competent hority 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 e 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 ness Monitors:

not available

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

unding of figures

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

dustrial 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 ial statistics of the United Kingdom. The general principles wed are those of the International Standard Industrial affication of all Economic Activities of the United Nations stical Office but the United Kingdom SIC reflects the nisation and structure of industry and trade as it exists in the ed Kingdom. The SIC is a classification by activity and is acommodity classification. However, an index of all commodity lings for which sales data are provided in the Quarterly Business itors, is published in Business Monitor PQ 1000.

tistical units

^{statistical} unit for the purpose of the Census is the establishment ^h is defined in the SIC as the smallest unit which can provide ^{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 (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 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 (BSO) 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 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. 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. New additions to the register are obtained from various sources including Companies Registration Office and the Department of Employment. The 1973 Finance Act allows HM Customs and Excise to pass to the BSO lists of businesses registered for VAT. Information from all these sources is used to improve the register, and where necessary, details are sought directly from new businesses. Units which cease to trade are removed from the live register.

Increasing use of the information obtained from the Department of Employment, HM Customs and Excise and BSO inquiries has led to improvements on the register, which in turn enabled the BSO to produce better estimates, particularly of numbers of smaller establishments and enterprises.

8

Coverage

A return was required in the 1977 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 Average number employed

Establishments were required to state the number of persons on the payroll on average during the year 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)

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. 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.

(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

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

mers; and of food, etc for any canteen covered by the blishment's return. Transfers of goods to the establishment another department of the same firm not covered by the lishment's return are included at a cost corresponding to the ated selling value recorded by the other department. Amounts able to transport firms or credited to the firm's own transport tment for delivery of materials are excluded, as are all hases of machinery and plant charged to capital account. hases of goods for merchanting or factoring have been acted separately since 1973. The values shown exclude VAT. include, in addition to the actual purchase price, the value ackaging material charged to the establishment. The value of ned goods or packaging material returned to suppliers and any discounts are excluded. Materials purchased duty-paid are ad at their duty-paid value, less any drawback, rebate, etc. post of transport is included only if it is included with the ase price in the firm's accounts. Imported goods are included heir full delivered cost. If in the firm's accounts the transport locks or airport is not included in the cost of goods purchased, post is entered at cif plus duty (if applicable). Leasing, and hire purchase charges are excluded.

of goods produced

for the purposes of the annual censuses means deliveries on goods made by establishments in the United Kingdom red by the inquiry. Sales of goods made for these establishments workers or by other establishments from materials given out em and sales of waste products are included. New building and machinery or other capital items produced by establishts for hiring out or leasing are regarded as sales, the value ded in the return being that adopted in the establishments' tal asset accounts. Forward sales and canteen takings are excluded. les in the period of the inquiry are included irrespective of en the goods were manufactured. Goods produced in one ishment and transferred either to ancillary departments not aged in production for which there are separate accounts, or to er establishment of the same firm not covered by the return, eated as sales by the producing establishment and valued as s 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.

he value shown for sales in the "net selling value" defined as the mount (excluding VAT) charged to customers whether on an ownerks or delivered basis, after any trade discounts and agents" ummissions have been deducted. The cost of packing materials as allowance for returnable cases is included. In industries where moducts attract Excise Duty the value stated is usually inclusive if duty if sold duty-paid and exclusive of duty if sold in bond rexported.

eceipts for work done and industrial services rendered

pures for work done represent the amount charged for work ride out on materials supplied by a customer and include repair rrk. Within certain industries this heading covers a wide variety of livities, 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 paratory work on type-setting, block making and binding. Work le is also significant in the electrical machinery and heavy gineering industries, covering erection, installation and repair and bing work. Other activities within this heading include exploration rk, research and development, glass cutting and dressing and ning of timber.

Idustrial services rendered include repairs and maintenance, instation work, and technical research and studies for other Vganisations.

Capital goods produced for establishments' own use

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

industrial services rendered

Is includes rents received for commercial and industrial buildings, bunts charged for hiring out plant, machinery and vehicles and ler goods and amounts charged to other organisations for the vision of transport. It also includes amounts received for the ht to use patents, trademarks, copyrights etc, manufacturing quarrying rights and technical "know-how" and revenue from htsaff facilities as canteens.

ids merchanted or factored

nanted 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, together with a margin of overhead excluded and progress payments made to sub-contractors 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, commissions and holiday pay, 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.

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 (and/or earnings related basic contributions under the Social Security Pensions Act, 1975) and 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 the industry, including exempted establishments and nonrespondents. 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 practise with regard to stock valuation, may affect comparability in some respects. Crown copyright 1980

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