PA335

**Business Monitor** 

A publication of the Government Statistical Service

1973

Report on the Census of Production

Textile machinery and accessories



Department of Industry

Business Statistics Office

**HMSO** 

#### **Special Note for Purchasers**

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

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

#### **Government Statistical Service**

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Enquiries:
Business Statistics Office
Newport, Gwent
NPT 1XG
Newport 56111 (STD code 0633) ext 2455
Telex 497121
Answer Back BSONPT G

## PA335

# **Business Monitor**

A publication of the Government Statistical Service

Report on the Census of Production 1973

# Textile machinery and accessories

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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## PA335 TEXTILE MACHINERY AND ACCESSORIES

The information in this report relates to establishments classified to the Textile machinery and accessories industry, minimum list heading 335 in the Standard Industrial Classification (revised 1968). The activities of the industry include:-

Manufacturing textile spinning, winding, weaving, knitting, printing, dyeing, etc., machinery; and the manufacture of accessories such as bobbins, combs, reeds, rollers, shuttles, sliver cans, spindles, spools and teasel rods.

> 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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Output and costs, 1970, 1971, 1972 and 1973 All United Kingdom establishments classified to the industry (a)

	Unit	1970	1971	1972	1973
Enterprises	Number	493	491	419	414
Establishments	"	540	542	466	
Sales of goods produced, work done and industrial services rendered (b)	£'000 )			400	459
Capital goods produced for establishments' own use (c)	,, }	181,516	197,635	203,424	227,931
Non-industrial services rendered (d)					
Goods merchanted or factored		12,567	13,853	10.501	862
Total sales and work done (b) (d)	,,			13,591	18,722
Increase during the year, work in progress and	<i>"</i>	194,083	211,488	217,015	248,235
goods on hand for sale	.,	1,055	706	-254	21,990
Gross output (b) (d)		195,139	212,195	216,760	270,225
Purchases of materials for use in production, and packaging and fuel (c)	1			210,700	270,225
Purchases of goods for merchanting or factoring (c)	"	90,988	97,139	98,720	101,628
r stemases or goods for merchanting or factoring (c)	]		07,100	90,720	16,101
Increase during the year, stocks of materials,					
stores and fuel	"	88	-545	524	9,717
Cost of industrial services received (e)	"	3,958	5,107	5,758	19,867
Net output (f)	"	100,281	109,404	112,806	142,346
Total employment (g)	Thousands	46.8	43.6	39.9	40.4
Net output per head (f)	£	2,142	2,509	2,827	
Payments for non-industrial services (h)			2,000	2,027	3,524
Rents, hire of plant, machinery and vehicles	£'000				,
Commercial insurance premiums	,,				501
Bank charges	,,				1,348
Other non-industrial services					395
icensing of motor vehicles (j)	"				8,735
Rates, excluding water rates (j)	"			äres	53
Gross value added at factor cost					978
	"				130,336
Gross value added at factor cost per head	£				
	- )				3,227

- For 1973, estimates for establishments not making satisfactory returns and for establishments employing less than 20 persons accounted for 15 per cent of the total figures in which they were incorporated: of this unsatisfactory returns accounted for 9
- The figures for 1970-1972 do not include receipts for repairs and maintenance.
- (c) Not recorded separately for 1970-1972.
- The figures for 1970-1972 do not include revenue from rents for industrial buildings. (d)
- The figures for 1970-1972 exclude the amounts payable for repairs and maintenance. (e)
- The definition of net output used in previous census reports provided for the deduction of amounts payable to other organisations for transport of goods within the United Kingdom. The net output and net output per head figures on that basis were:-(f)

Year	Net output	Net output per h
4070	£'000	t arbat bei II
1970	98,940	2,113
1971	107,860	2,475
1972	111,536	2,797
	1888 B.	2,191

Additionally, the figures for 1970-1972 do not reflect revenue from rents or amounts payable for repairs and maintenance (see

- Average number employed (full and part-time; see table 7) during the year (including working proprietors) by the establishment.
- Not collected for 1970-1972 except for amounts payable to other organisations for transport of goods within the United Kingdom,
- Not collected for 1970-1972.

TABLE 2

Capital expenditure, 1970, 1971, 1972 and 1973 All United Kingdom establishments classified to the industry (a)(b)

					electropes 7	£'000
			1970	1971	1972	1973
Land and buildings			Spatial Comments of the Commen			
New building work			858	948	590	1,175
Land and existing building	ngs					
Acquisitions			712	1,068	124	323
Disposals			261	881	1,039	316
Vehicles						
Acquisitions						
Motor cars (c)			769	777	817	689
Other vehicles (c)			769	,,,	017	215
Disposals						
Motor cars (c)				004	070	313
Other vehicles (c)			266	361	372	26
Plant and machinery						
Acquisitions			3,759	5,159	3,942	6,822
Disposals			277	569	402	483
Total net capital exp	enditure (d)		5,294	6,141	3,660	8,086

- (a) Including estimates for establishments not making satisfactory returns and for establishments exempted by virtue of size.
- (b) Capital expenditure in respect of manufacturing establishments where production had not commenced before the end of the year, is included.
- (c) Not recorded separately for 1970-1972.
- New building work plus acquisitions less disposals of land and existing buildings, vehicles and plant and machinery.

TABLE 3

Stocks and work in progress, 1970, 1971, 1972 and 1973 All United Kingdom establishments classified to the industry (a)

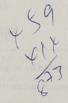
				£'000
1970	1971	1972	19	973
1860 1800 1900	Inc	rease		Value at end of year
88	-545	524	9,717	29,159
-100	-215	-1,841	17,996	47,563
1,155	921	1,587	3,993	16,662
1,143	161	270	31,707	93,383
	88 -100 1,155	88 -545 -100 -215 1,155 921	88 -545 524 -100 -215 -1,841 1,155 921 1,587	Increase  88

Including estimates for establishments not making satisfactory returns and for establishments exempted by virtue of size.

Analysis of establishments by size, 1973

All United Kingdom establishments classified to the industry (a)

Size group (b)	Estab- lish- ments	Enter- prises (c)		Employment			Wages and	d salaries (e)	
			Total (b)	Opera- tives	Others (d)	Operatives		Others (d)	
		100				Total	per head	Total	per head
	Number	Number	Number	Number	Number	£'000	£	£'000	£
1 - 10	203	197	1,123						
11 - 19	79	77	1,133						
20 - 49	73	71	2,231	5,757	1,567	8,278	1,438	3,142	2,005
50 - 99	45	45	3,176						
100 - 199	23	22	3,198	2,487	701	3,788	1,523	1,427	2,035
200 - 299	10	10	2,392	1,870	522	2,669	1,428	1,104	2,114
300 - 399	10	10	3,620	2,618	1,002	3,944	1,507	2,112	2,107
400 - 749	7	7	3,852	2,575	1,277	4,875	1,893	2,798	2,191
750 - 1,499	5	5	5,220	3,241	1,979	5,979	1,845	4,333	2,190
1,500 and over	4	3	14,447	10,724	3,723	19,743	1,841	7,746	2,081



Total	459	414	40,392	29,272	10,771	49,277	1,683	22,662	2,104

<sup>(</sup>a) Including estimates for establishments not making satisfactory returns and for establishments exempted by virtue of size.

sales ork f)	Gross output	Net output		Gross value added at factor cost		Net capital expenditure (g)	Total stock and work in progress at end of year
					WHEN THE PARTY OF		
		Total	per head	Total	per head		
f'000	£′000	£'000	£	£'000	£	£'000	£'000
40,470	41,599	20,356	2,656	(h)	(h)	1,211	8,201
18,843	19,757	9,116	2,850	26,174(h)	2,410(h)	699	5,21
12,382	12,783	6,843	2,861	6,030	2,521	274	3,74
17,185	18,241	9,543	2,636	8,431	2,329	287	6,99
25,817	26,457	14,493	3,762	12,346	3,205	1,076	9,02
56,636	62,263	26,629	5,101	24,177	4,632	1,898	18,45
76,900	89,126	55,366	3,832	53,178	3,681	2,642	41,74

		23					
		7117					
248,235	270,225	142,346	3,524	130,336	3,227	8,086	93,383

<sup>(</sup>e) Another important component of labour costs, employers' national insurance contributions, graduated pensions, contributions to other pensions and welfare schemes and the running costs of canteens, is estimated for the industry at £6,321 thousand. In addition, for 1973 the remuneration to outworkers on returns received was £213 thousand.

<sup>(</sup>b) Average number employed (full and part-time; see table 7) during the year (including working proprietors) by the establishment.

<sup>(</sup>c) Some enterprises control establishments in more than one size group: the sum of the figures for the size groups therefore exceeds the total for the industry.

<sup>(</sup>d) Administrative, technical and clerical employees.

<sup>(</sup>f) Comprises sales of goods produced (including capital goods manufactured, buildings constructed by establishments for their own use), work done, industrial and non-industrial services rendered, goods merchanted or factored.

<sup>(</sup>g) New building work plus acquisitions less disposals of land and existing buildings, vehicles and plant and machinery.

<sup>(</sup>h) Gross value added data relates to establishments employing 1 - 199 persons.

Regional distribution of employment, net capital expenditure and net output, 1973 All United Kingdom establishments classified to the industry (a)

Area	Employment (b)		Net capita	al expenditure	e (c)	Net output and employment in the region of establishments with more than 80 per cent of their employment in the region (e)			
			Total (c)	de of	Land and existing buildings (d)	Other (d)	Estimated net output	Average number employed as a percentage of total average number employed in the industry in the region	Net output as a percent- age of total of the industry in the United Kingdom
	Thous- ands	per cent of United Kingdom	£'000	per cent of United Kingdom	£′000	£'000	£'000	GB 14	056200
Standard regions of England									
North	0.9	2.2	95	1.2	1	94	1,994	69.1	1.4
Yorkshire and Humberside	6.7	16.5	1,714	21.2	83	1,632	14,455	67.1	10.2
East Midlands	8.0	19.7	827	10.2	50	777	15,399	65.5	10.8
East Anglia	*	*			*	*		*	
South East	1.1	2.7	*	*	*	*			
South West	-	-	-	-	-	-	_	-	-
West Midlands	*	*		*	*	*	*	•	
North West	15.6	38.7	4,471	55.3		*	48,652	83.6	34.2
England	34.6	85.6	7,488	92.6	5	7,483	91,681	74.6	64.4
Vales	-	-	-	-	-	-	-	-	_
Scotland	*	*	*	*		*		•	
Great Britain	*	*	*	*	*	*			
Northern Ireland	*	*	*	*			1,521	10.00 E	
Unallocated (a) (f)	_	restore <u>v</u> r. n.	V 800000		_		34,895	100 100 <u>0</u> -110	24.5
United Kingdom	40.4	100.0	8,086	100.0	8	8,078	142,346	/	100.0

- (a) Including estimates for establishments not making satisfactory returns and for establishments exempted by virtue of size.
- (b) Average number employed (full and part-time; see table 7) during the year (including working proprietors).
- (c) New building work plus acquisitions less disposals of land and existing buildings, vehicles and plant and machinery.
- (d) Acquisitions less disposals.
- (e) Where a census return covered addresses in two or more regions an estimate was made of the net output attributable to the region only where more than 80 per cent of the establishment's employees were located in the region. The estimate was made by assuming that net output at each address covered by a return was proportionate to employment at the address. The establishment's residual net output was included in unallocated net output.
- (f) Includes unallocated net output of establishments covering addresses in two or more regions.

Percentage analysis of twelve-month periods covered by returns received from United Kingdom establishments employing 20 or more persons, 1973

Accounting	g year ended	Percentage of total returns received	Percentage of total number employed	
		per cent	per cent	
973 A	April (a)	1.5	0.2	
	Лау	1.5	0.3	
J	une	5.1	1.5	
J	uly	1.5	0.8	
A	August	5.8	1.3	
S	September	6.6	6.3	
C	October	2.2	0.5	
٨	lovember	2.9	1.4	
С	December	39.4	54.1	
974 Ja	anuary	0.7	0.1	
F	ebruary	2.2	1.2	
٨	March (b)	30.6	32.3	
		100.0	100.0	

(a) From 6th April.

(b) Including returns made for twelve-month period ended 1st to 5th April 1974.

#### TABLE 7

Percentage analysis of employees, by full and part-time employment and sex, 1973 (a)

Sex	Full-time	Part-time	All employees	
	per cent	per cent	per cent	
Male	85	1	86	
Female	11	3	14	
	96	4	100	

Source: Department of Employment

(a) The percentages relate to the numbers employed (excluding working proprietors) in the United Kingdom at mid-June, 1973.

Produced in Wales by Her Majesty's Stationery Office Reprographic Unit, Cardiff Dd.496580 K6 Cdf 132 9/77 PA335 8

	Value
	£'000
	2 000
New machinery including auxiliary machinery, complete:	
Machines for extruding man-made textile fibres, filaments, and tapes; machines of a kind for processing natural and man-made textile fibres, filaments and tapes (e.g. blowroom machines, machines for drawing, taking-up, combing, carding, fibrillating, texturing, spinning, twisting, doubling, reeling, winding and pirning):	
For processes preparatory to spinning and twisting	22,721
For spinning and twisting, and for processes subsequent to spinning and twisting	46,418
Machines of a kind used for the production of textile fabric, including pile fabric lace and braid weaving machines (looms); warp, weft and hosiery knitting machines; machines for making non-woven fabrics (excluding wet-laid); machines for preparing yarns for use on such machines; auxiliary machinery (e.g. warping, beaming and reaching-in machines; auxiliary machinery such as dobbies, jacquards, automatic stop motions, shuttle changing mechanisms, loom winders, card tape	
and film readers and creels)	48,922
Machines of a kind used for making carpets; auxiliary machinery (e.g. axminster and wilton weaving machines; tufted carpet machinery; machines for making knitted and flocked carpets; machines for making carpets of 'non-woven' construction; backing and curling machines; auxiliary machinery such as jacquards and spooling machines patterning attachments)	14,566
Machines of a kind used for dyeing and finishing (excluding laundry and dry cleaning machinery); auxiliary machinery (e.g. scouring, desizing, bleaching, mercerising, milling, crabbing, steaming, dyeing, sizing, coating, printing, washing, drying, stentering, heat setting, curling, raising, shearing cropping, slitting, cuttling, rigging, singeing, decatising, shrinking, calendering and embossing machines.  Auxiliary machinery such as programmers, dye cycle controllers, beam batching machines and plaiting machines):	
Of loose stock, sliver, tow and yarn	1,881
Of fabrics, garments and carpets	10,236
Reconditioned machinery	1,184
arts and accessories	35,266
Other textile machinery, parts and accessories not elsewhere specified	16,688
Vaste products	250
/ork done	3,576

Total sales of principal products of the Textile machinery and accessories industry (MLH 335) and work done

201,707

Source: Business Monitor (PQ 335). Quarterly Statistics

#### Notes

These notes give the main information needed for interpreting the figures in the industry Business Monitors: more detailed information about the census is given in a separate Business Monitor — PA1001 (Introductory Notes) of the Report on the Census of Production, 1973.

#### GENERAL INFORMATION

#### Changes made for 1973

The Čensus for 1973 was the first to be modified to bring it into line with similar inquiries being conducted in other member countries of the European Economic Communities. One modification has made possible the publication for the first time in the Annual Censuses of data on a number of additional items. These include:

Capital goods purchased for establishments' own use (previously included with sales of goods produced etc.) Purchases of goods for merchanting or factoring (previously included with purchases of materials etc.)

Payments for non-industrial services

Licensing of motor vehicles

Rates, excluding water rates

Gross value added Amounts paid to outworkers (where applicable)

Employers' national insurance contributions etc.

### Suppression of information relating to individual undertak-

The Statistics of Trade Act 1947 provides that — "No individual estimates or returns, and no information relating to an individual undertaking obtained under the foregoing provisions of this Act, shall, without the previous consent in writing of the person carrying on the undertaking which is the subject of the estimates, returns or information, be disclosed except—

(a) in accordance with directions given by the Minister in charge of the government department in possession of the estimates, returns or information to a government department or to the Import Duties Advisory Committee for the purposes of the exercise by that department or committee of any of their functions; or

(b) for the purposes of any proceedings for an offence under this Act or any report of these proceedings."

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

#### Symbols used

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

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

#### Rounding of figures

Figures in the tables have, where necessary, been rounded to the nearest final digit. There may, therefore, be an apparent slight discrepancy between a sum of constituent items and a total shown.

#### Industrial classification

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

The SIC is revised every 10 years or so and is to be revised to bring it more closely into line with the General Industrial Classification of Economic Activities within the European Communities (NACE).

#### Statistical units

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

Efforts are made by the Business Statistics Office to ensure, by negotiating with respondents, that the return from an establishment does not cover local units on 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 inquires" in Statistical News No. 13 May 1971.

Establishments are asked to exclude from their returns particulars relating to any department not engaged in production e.g. merchanting, transport, warehousing, for which they keep a separate set of accounts. Transfers of goods produced to such departments are treated as sales and respondents are asked to value them as far as possible as if sold to an independent purchaser. Where separate accounts are not kept they are asked to include details of all these activities in their return.

Particulars relating to head offices, which were 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 is defined as a business consisting of either a single establishment, or of two or more establishments under common ownership or control. The bringing together of 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 which make returns to the quarterly inquiries, the industrial classification is derived from an analysis of their sales of commodities and is reviewed annually. Employment data is 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 is based on information provided by the Department of Employment from the annual censuses of employment.

Establishments with 20 or more employees are included in the censuses each year and the information they supply to the

<sup>(</sup>a) Sales are deliveries on sale for home or abroad; forward sales are excluded.

Values are net selling values, value added tax (or purchase tax where previously applicable) trade discounts and commissions are excluded.

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

Coverage

A return was required in the 1973 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.

Region

The regions defined in Table 5 do not take account of the boundary changes arising out of the Local Government Act 1972 and the Local Government Act (Scotland) 1973. As these boundary changes did not come into effect until April 1974 in England and Wales and in May 1975 in Scotland, the regions defined for these analyses are consistent with boundaries which existed in 1973.

#### TERMS USED IN THE CENSUS REPORT

Average number employed

Establishments were required to state the number of persons on the payroll (i.e. whose national insurance cards were held by them) on the average during the year of return, whether full-time or part-time employees. Separate figures were required for:

(a) administrative, technical and clerical employees

(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 (i.e. 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, superintendents and works foremen; research, 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 in the figures for 1970 to 1973. 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 also asked to include a total net capital expenditure figure for the calendar year 1973.

(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 or 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 any 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 of premium payable for leaseholds acquired (excluding the value of any assets acquired in taking over an existing business), and the amounts receivable for any freeholds or 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. Deductable value added tax is excluded but non-deductable 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.

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 workers 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 (rent of buildings and capital equipment, commercial insurance premiums, bank charges and amounts paid for professional services, postal etc. services, transport, advertising etc.). 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 materials and components bought for use in production; of fuel and electricity for all purposes; of packaging materials including the cost of returnable cases and containers when first purchased; of workshop materials; office materials and materials for repairs to establishment's own buildings, plant and vehicles when carried out by their own work people included in the returns; of consumable tools; and of parts for machinery purchased during the year as replacements. Water charges are also

ncluded. Purchases of goods for merchanting or factoring are collected separately for 1973. Materials supplied by stomers for processing are excluded, as are all purchases harged to capital account. The values shown exclude value ded tax but include any duty paid (less rebate etc.), values xclude trade discounts allowed. The cost of transport is sluded only if included in the cost of materials as invoiced; pounts paid to transport organisations, including an estabment's own separate transport organisations for delivery materials and fuel are, therefore, excluded. Materials purpased overseas are included at the c.i.f. cost plus any duty avable if the cost of transport from the docks are not luded in the invoiced price, but at their full delivery cost if oiced "carriage paid home". Materials and fuel transred from another department of the establishment not vered by the same return are included at the estimated ling value recorded by the other department

Sales of goods produced, work done and industrial services rendered

ales for the purposes of the annual censuses means deeries on sale of goods made by establishments in the ed Kingdom covered by the inquiry. Sales of goods ade for these establishments by outworkers or by estabents from materials given out to them are included; as iso are sales of waste products. Any new building work and nery or other capital items produced by establishments or hiring out or leasing are regarded as sales, the value uded in the return being that adopted in the establishnts' capital asset accounts. Forward sales and canteen akings are excluded. All sales in the period of the injury are luded irrespective of when the goods were manufactured. and produced in one establishment and transferred either ancillary departments not engaged in production and for high there are separate accounts, or to another estabment of the same firm not covered by the return, are ated as sales by the producing establishment and valued as as possible as if they had been sold to an independent irchaser. Goods transferred to wholesale or retail selling anisations, for which separate accounts are kept are ied on the same basis.

The value shown for sales is the "net selling value" defined as the amount (excluding value added tax) charged to customers whether on an ex-works or delivered basis, after any trade discounts and agents' commissions have been deducted. The cost of packing materials less allowance for returnable cases is included. In industries where products attract Excise Duty the value stated is usually inclusive of duty if sold duty-paid and exclusive of duty if sold in bond or exported.

exported. Figures for work done represent the amount charged for work carried out on materials supplied by a customer and include repair work. Within certain industries this heading covers a wide variety of activities. For example, within the food sector — butter packed on commission; within the textile industries — making up of garments, fur dressing and textile finishing; within printing and publishing — preparatory work on type-setting, block making and binding. Work done is also significant in the electrical machinery and heavy engineering industries, covering erection, installation and repair and jobbing work. Other activities within this heading include exploration work, research and development, glass cutting and dressing and planing of timber. Industrial services rendered includes repairs and maintenance, installation work, and technical research and studies rendered to other organisations.

Capital goods produced for establishments' own use

This includes all work carried out during the year by the establishments' own staff for their own use, which was of a capital nature.

Non-industrial services rendered

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

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, together with a margin of overhead costs, and profits. Progress payments made to sub-contractors are excluded and progress payments received from other organisations are not deducted.

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 any payments in kind, travelling expenses, lodging allowances, etc. and employers' contributions to national insurances and pension schemes are excluded.

Remuneration paid to outworkers

The remuneration paid to outworkers (i.e. 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 subcontractors are excluded.

Employers' insurance and welfare contributions

This item includes employers' contributions to national insurance and graduated pensions 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 holiday homes, etc. for employees, former employees, and their dependants are also included.

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