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DEPARTMENT OF TRADE AND INDUSTRY **BUSINESS STATISTICS OFFICE**

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Report on the Census of Production

Paper and board C137

Special Note for Purchasers

Commencing with the 1970 Census, the Census of Production reports will in future be published annually as part of the Business Monitor series. They will continue to be available on standing order from HMSO, but they are not included in the global subscription arrangements for the Business Monitor series.

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Publication of the Government Statistical Service

Business Monitor

DEPARTMENT OF TRADE AND INDUSTRY BUSINESS STATISTICS OFFICE

Report on the Census of Production 1970

C137 Paper and board

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

LONDON: HER MAJESTY'S STATIONERY OFFICE 1973

Petroleum and natural gas

Grain milling
Bread and flour confectionery

mining and quarrying

Milk and milk products

Brewing and malting

Mineral oil refining

Toilet preparations

Soap and detergents

and synthetic rubber Dyestuffs and pigments

Printing ink Surgical bandages, etc.

Biscuits

Sugar

Tobacco

and organic)

Paint

C36 Fertilizers

Polishes

Steel tubes

Iron castings, etc.

C21 C22

C24 C25

C29

C37

Coal mining
Stone and slate quarrying and mining

Chalk, clay, sand and gravel extraction

Metalliferous mining and quarrying

Bacon curing, meat and fish products

Vegetable and animal oils and fats

Margarine
Starch and miscellaneous foods

British wines, cider and perry

Lubricating oils and greases

General chemicals (organic)

General chemicals (inorganic)

Soft drinks Spirit distilling and compounding

Coke ovens and manufactured fuel

General chemicals (other than inorganic

Synthetic resins and plastics materials

C38 Formulated adhesives, gelatine, etc.

Explosives, fireworks and matches Formulated pesticides and disinfectants

Photographic chemical materials Iron and steel (general)

Pharmaceutical chemicals and preparations

Cocoa, chocolate and sugar confectionery
Fruit and vegetable products
Animal and poultry foods

Salt and miscellaneous non-metalliferous

Introductory Notes

C78	Electric appliances	primarily	fo
C10	domestic use	primitaring	

Miscellaneous electrical goods Shipbuilding and marine engineering Wheeled tractor manufacturing

Motor vehicle manufacturing Motor cycle, tricycle and pedal cycle

manufacturing Aerospace equipment manufacturing

and repairing
Locomotives and railway track equipment

Railway carriages, wagons and trams Engineers' small tools and gauges

Hand tools and implements Cutlery, spoons, forks and plated tableware, etc. Bolts, nuts, screws, rivets, etc.

Wire and wire manufactures Cans and metal boxes

Jewellery and precious metals Metal furniture C93

Drop forgings, etc.

Metal hollow-ware Miscellaneous metal goods Production of man-made fibres Spinning and doubling on the cotton

and flax systems

Weaving of cotton, linen and man-made fibres Woollen and worsted

C102 Jute Rope, twine and net

C104 Hosiery and other knitted goods C105 Lace C106 Carpets

C107 Narrow fabrics Made-up household textiles and handkerchiefs Canvas goods and sacks, etc. C108

C109

Asbestos Miscellaneous textiles

Leather (tanning and dressing) and

fellmongery

C114 Leather goods C115

Waterproof outerwear Men's, and boys' tailored outerwear Women's and girls' tailored outerwear

Overalls and men's shirts, underwear, etc. Dresses, lingerie, infants wear, etc. Hats, caps and millinery

Corsets and miscellaneous dress industries

C123 Gloves C124 Footwear

Bricks, fireclay and refractory goods

Furniture and upholstery Bedding and soft furnishing

materials (other than board)
Manufactured stationery

General printing, publishing, etc.

Linoleum, plastics floor covering,

Miscellaneous stationers' goods

Brushes and brooms
Toys, games and children's carriages

Miscellaneous manufacturing industries

Shop and office fittings
Wooden containers and baskets
Miscellaneous wood and cork manufacturers

Miscellaneous manufactures of paper and board Printing, publishing of newspapers and

C126 C127 Pottery Glass Cement

C131

C145

products Timber

Wallcovering

periodicals

leathercloth, etc.

Sports equipment

Plastics products Musical instruments

Water supply

Rubber

Gas Flectricity

Agricultural machinery (except tractors)
Metal-working machine tools Abrasives
Miscellaneous building materials and mineral C130

Pumps, valves and compressors Industrial engines

Aluminium and aluminium alloys Copper, brass and other copper alloys Miscellaneous base metals

Textile machinery and accessories
Construction and earth moving equipment Mechanical handling equipment

Office machinery Mining machinery

Printing, bookbinding and paper goods making machinery

Paper and board Refrigerating machinery (except domestic Cardboard boxes, cartons and fibre-board type refrigerators) packing cases Packaging products of paper and associated

Space heating, ventilating and airconditioning equipment

Food and drink processing machinery Miscellaneous (non-electrical) machinery Industrial (including process) plant and

steelwork Ordnance and small arms

C66 General mechanical engineering

C67 Photographic and document copying equipment C68 Watches and clocks

C69 Surgical instruments and appliances Scientific and industrial instruments and systems

Electrical machinery Insulated wires and cables

Telegraph and telephone apparatus and Radio and electronic components

Broadcast receiving and sound reproducing equipment

Electronic computers
Radio, radar and electronic capital goods

C137 Paper and board

This report on the Paper and Board Industry relates to establishments engaged wholly or mainly in manufacturing all types of paper and board including newsprint, printing and writing paper, wrapping paper, cigarette paper, cardboard and building board; and paper coating. Paper sensitizing is excluded and is classified to minimum list heading 297(7) (part C43).

The industry corresponds to minimum list heading 481 in the Standard Industrial Classification (revised 1968) which was used for the first time as a basis of classification in the 1968 census, when it was reported as part 137. The definition of the industry is the same for the 1963, 1968 and 1970 censuses.

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

Table No	Title	Page
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2	Capital expenditure and stocks, 1963, 1968 and 1970 - Establishments classified to the industry	C137.4
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Net output, 1963, 1968 and 1970

TABLE 1

All United Kingdom establishments classified to the industry (a)

(d) ares (d)et (s)et	Unit	1963	1968	1970
Enterprises (65)	Number	192	170	175
Establishments (b)	11	318	271	263
Sales of goods produced and work done	£,000		escripting an	533,959
Services rendered to other organisations (c)	11	378,654	449,035	4,317
Goods merchanted or factored .	11	7 5000		6,409
Canteen takings	11	5,041	9,108	822
Total sales and work done	11	383,695	458,143	545,508
Change during the year, goods on hand for sale	11	+ 235	+ 2,464	+ 4,050
Change during the year, work in progress	11	+ 39	+ 425	+ 569
Gross output	11	383,969	461,032	550,128
Cost of purchases	11	228,636	281,772	359,304
Change during the year, stocks of materials, stores and fuel	11	+ 214	+ 3,612	+ 11,956
Payments to other organisations			, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	11,000
for work done on materials given out	11	889	768	589
for transport by road	11		10,418	12,818
for transport by rail, water, air and Post Office parcel services (d)	11	9,932	1,524	1,356
Total costs	11	239,243	290,870	362,112
Net output	п	144,725	170,163	118,016
Octal employment (including working				
proprietors) (e)	Thousands	88.4	76.1	76.3
		- 04307	and grant and	SULTED BES
Net output per head	£	1,637	2,236	2,464

⁽a) Including estimates for establishments not making satisfactory returns and for establishments employing less than 25 persons.

⁽b) See definition of establishments in notes on page (iii).

⁽c) Amounts charged for hiring out plant, machinery or other goods, for providing transport, or for any technical or other services rendered.

⁽d) For 1963 and 1968, payments for postal services are excluded.

⁽e) Average number of persons employed during the year.

Capital expenditure and stocks, 1963, 1968 and 1970

All United Kingdom establishments classified to the industry (a)

mu ber s			1963	1968	1970 (b)
Capital expenditure		and the second	£'000	٤٬000	£'000
New building work			4,091	3,184	5,525
Land and existing buildings				and the second beautiful to	
Acquisitions			390	173	554
Disposals			518	1,739	640
Plant and machinery					opposite in the state of
Acquisitions			18,425	20,065	26,698
Disposals			367	371	598
Vehicles				- 1 days 2020 m	1 401710 75000
Acquisitions			718	837	1,179
Disposals			170	231	377
Total net capital expenditure	e (c)		22,569	21,917	32,344
Stocks and work in progress at end	of year			recidentiques o	dio of almospe
Materials, stores and fuel			38,543	42,631	55,545
Work in progress			4,256	6,497	7,864
Goods on hand for sale			19,661	23 ,742	27,402
Total stocks			62,461	72,871	90,811

⁽a) Including estimates for establishments not making satisfactory returns and for establishments employing less than 25 persons.

⁽b) Capital expenditure in respect of manufacturing establishments where production had not commenced before the end of the year, is included for 1970.

⁽c) Acquisitions <u>less</u> disposals.

TABLE 3

Analysis of establishment by size, 1970

All United Kingdom establishments classified to the industry (a)

Size		Estab-	Total	Employ	ees	Wages and	salaries	Wages and s		Total			Net	Capital	Total stocks and work in
group (b)	Enterprises (c)	lishments (d)	employment (b)	Operatives	Others (e)	Operatives	Others (e)	Operatives	Others (e)	sales and work done (f)	Gross output	Net output	output per head	expenditure (net) (g)	progress at end of year
	Number	Number	Number	Number	Number	£,000	£'000	£	£	£'000	£'000	£'000	£	£',000	£'000
1-10	28	29	241									2 000	~	2 000	1 000
11-24	30	30	555												
25-49	15	16	614	3,500	758	3,810	1,141	1,089	1,505	24,905	25,108	9,058	2,116	627	3,376
50-99	32	38	2,870												
100-199	30	41	5,470	4,388	1,076	5,358	1,676	1,221	1,558	43,754	43,868	14,400	2,633	3,396	6,560
200-299	36	39	9,862	7,792	2,069	9,971	3,170	1,280	1,532	72,501		29,028	2,943	2,644	11,405
300-399	8	11	3,625	2,913	712	3,480	1,104	1,195	1,551	26,931	27,095	8,867	2,446	839	4,549
400-499	14	17	7,693	6,017	1,676	7,133	2,483	1,186	1,482	46,041	46,002		2,068	1,731	8,864
500-999	16	26	19,201	15,380	3,812	18,764	5,959	1,220	1,559		131,616		2,380	12,664	
1,000-1,499	8	9	10,864	8,648	2,216	11,441	3,676	1,323	1,659	73,350			2,352		24,595
1,500 and									,,,,,,,	10,000	14,020	20,000	2,302	2,848	13,276
over	6	7	15,295	12,643	2,652	18,597	4,365	1,471	1,646	127,567	128,857	39,504	2,583	7,595	18,186
Total	175	263	76,290	61,281	14,980	78,554	23,573	1,282	1,574	545,508	550,128	188,016	2,464	32,344	90,811

- (a) Including estimates for establishments not making satisfactory returns and for establishments employing less than 25 persons.
- (b) Average number employed during the year (including working proprietors) by the establishment.
- (c) The sum of the figures for the size groups exceeds the total for the industry to the extent that enterprises made returns for establishments in more than one size group.
- (d) See definition of establishments in notes on page (iii).
- (e) Administrative, technical and clerical employees.
- (f) Including sales of goods merchanted or factored and canteen takings. Also includes services rendered to other organisations (amounts charged for hiring out plant, machinery or other goods, for providing transport, or for technical or other services rendered).
- (g) Acquisitions <u>less</u> disposals.

TABLE 5

Percentage analysis of employees, by age and sex, 1970 (a)

All United Kingdom establishments classified to the industry

Ages	Males	Females	All employees	
- 100001	per cent	per cent	per cent	
Under 18	3	2	5	
18 and over	77	18	95	
All ages	80	20	100.0	

Source: Department of Employment

Regional distribution of employment, net capital expenditure and net output, 1970

All United Kingdom establishments classified to the industry

Area		e number yed (a)		capital iture (b)	establishme	and employment in ents with more that byment in the reg	an 80 per cent of
	90,160		555-2224		Estimated net output	Average number employed as a percentage of total average	Net output as percentage of total of the industry in the
	18.8				*	number employed in the industry in the region	United Kingdom
- 100 Append 1			N. Te				(Esteen toking
	Thousands	per cent	£,000	per cent	£,000	ook was bee not	isto?
	B. 2 4	United Kingdom	-	United Kingdom	sof hand no	the year woods	Change during
Standard Regions of England		85 4			вватрочо г	i dros , sore odl	entach maned?
North	1.8	2.3	624	1.9	3,235	98.3	1.7
Yorkshire and	87,073	12,722			3,233		eforme to real
Humberside	3.5	4.6	776	2.4	6,805	97.6	3.6
East Midlands	0.8	1.0	91	0.3	1,758		0.9
East Anglia	0.7	0.9	226	0.7	1,542	99.1	0.84
South East	26.3	34.5	10,094	31.2	64,857	93.9	34.5
South West	7.0	9.2	3,108	9.6	17,591	96.8	9.4
West Midlands	2.4	3.1	547	1.7	4,317	85.9	2.3
North West	17.4	22.8	9,124	28.2	39,815	93.9	21.2
England	59.8	78.4	24,590	76.0	139,920	94.2	74.4
Wales	*	*	*	*	*	*	a letel *
Scotland	12.8	16.8	4,586	14.2	28,970	94.8	15.4
Great Britain	*	*	*	*	*	*	*
Northern Ireland	*	*	*	*	*	* (5)	teroral *pro
Unallocated (d)	100,0 -	195.3	-	-	11,309	freel tog du	6.0
United Kingdom	76.3	100.0	32,344	100.0	188,016		100.0

- (a) Including working proprietors.
- (b) New building work plus acquisitions <u>less</u> disposals of land and existing buildings, plant and machinery and vehicles: including capital expenditure at establishments not yet in production.
- (c) 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.
- (d) Includes estimates of net output for establishments not making satisfactory returns and establishments employing less than 25 employees, and unallocated net output of establishments covering addresses in two or more regions.

⁽a) The percentages relate to the numbers employed (excluding working proprietors) at mid-June, 1970.

Analysis of net output of returns received from United Kingdom establishments employing 25 or more persons, 1963, 1968 and 1970

	Unit	1963	1968	1970
Enterprises	Number	144	111	99
Establishments (a)	II	267	207	185
Sales of goods produced and work done	£,000	376,299	441,095	507,386
Services rendered to other organisations (b)	11	310,233	441,000	4,175
Goods merchanted or factored	11			5,892
Canteen takings	11	5,010	8,947	791
Total sales and work done	1945 II (100 X	381,309	450,042	518,244
Change during the year, goods on hand for sale	Int.	+ 233	+ 2,421	+ 3,904
Change during the year, work in progress	н	+ 38	+ 418	+ 564
Gross output	п	381,580	452,880	522,712
Cost of purchases	п	227,214	276,789	342,176
Change during the year, stocks of materials, stores and fuel	п	+ 212	+ 3,548	+ 11,487
Payments to other organisations	226		35.0	or tank facili
for work done on materials given out	п 160.0	884	754	547
for transport by road	п		10,234	12,193
for transport by rail, water, air and Post Office parcel services (c)	1 427.0	9,870	1,497	1,292
\$ 17 E.50 BOX,500 D	37 1083.88			
Total costs	п	237,756	285,726	344,722
Net output	11	143,825	167,153	177,990
Total employment (including working proprietors) (d)	Thousands	87.9	74.8	72.2
Net output per head	£	1,637	2,236	2,466

⁽a) See definition of establishments in notes on page (iii).

Percentage analysis of twelve-month periods covered by returns received from United Kingdom establishments employing 25 or more persons, 1970

	Accounting year ended	Percentage of total returns received	Percentage of total numbers employed
	by resolvance or sales by commodification properties of sales	per cent	per cent
970	April (a)	1.6	1.3
	May	0.5	0.3
	June	1.1	0.3
	July	0.6	0.3
	August	0.6	0.2
	September	9.7	12.8
	October	8.6	7.1
	November	0.0	0.0
	December	47.6	45.7
1971	January	5.4	3.5
	February	1.1	0.7
	March (b)	23.2	27.8
	distributions added to the feature	100.0	100.0

⁽a) From 6th April.

TABLE 7

Produced in England by Her Majesty's Stationery Office, Reprographic Division, Manchester.

⁽b) Amounts charged for hiring out plant, machinery or other goods, for providing transport, or for any technical or other services rendered.

⁽c) For 1963 and 1968, payments for postal services are excluded.

⁽d) Average number of persons employed during the year.

⁽b) Including returns made for twelve-month period ending 1st to 5th April 1971.

Notes

These notes give the main information needed for interpreting the figures in the industry reports, (more detailed information about the census is given in a separate booklet—"Introductory Notes", Part C1 of the Report on the Census of Production for 1970).

GENERAL INFORMATION

Changes compared with 1968

The questions asked in the 1970 census were similar to those in the 1968 census with certain exceptions. In particular the 1970 census returns did not ask for details of:—

- (i) purchases or sales by commodities
- (ii) payments of rates
- (iii) payments for repairs and maintenance
- (iv) costs of operating road goods vehicles.

The amounts payable to other organisations for transport of goods however, did include the cost of the Post Office parcel services.

Other changes concern the treatment of firms employing less than 25 persons and the rules used for classifying establishments to industry. Any such changes are explained in the following paragraphs, or in the introductions to the industry reports, or by footnotes to the tables.

Industrial classification

Establishments were classified to industries on the basis of major activity in conformity with the third edition of the Standard Industrial Classification (Revised 1968). Normally an establishment was classified to an industry if its sales of the principal products of that industry accounted for a greater proportion of its total sales than in its sales of the principal products of any other industry. Classification of an establishment in this census was based on the establishment's return to the Census of Production, 1968.

Establishments added to the register subsequent to the 1968 census were classified on the basis of the description of the business given by the respondent.

Coverage

Detailed census returns were generally sought only from establishments employing on average 25 or more persons, but in industries where firms employing less than 25 persons account for a relatively high proportion of total employment and output the exemption limit was lowered to 11. Census returns were also sent to establishments whose employment was not known to the Business Statistics Office at the time of despatch; if their employment was below the exemption limit for their industry establishments were asked to supply figures only of total employment and total sales.

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 and (b) all other employees (operatives). Averages could be calculated from 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 establishments) 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 fixed 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 managing and other directors in receipt of a definite wage, salary or commission, managers, superintendents and works foremen; research, experimental development, technical and design employees (other than operatives); draughtsmen and tracers; editorial staff, staff reporters, canvassers, competition and advertising staff; travellers; and office (including works office) employees.

Operatives include all other classes of employees, that is, broadly speaking, all manual wage earners. They include those employed in and about the factory or works; operatives employed in power houses, transport work (including roundsmen), stores, warehouses, shops and canteens; inspectors, viewers and similar workers; maintenance workers, and cleaners. Operators engaged in outside work of erecting, fitting etc. are also included, but outworkers are excluded.

Capital expenditure

(a) New building work

This represents the cost incurred during the year of new building and other constructional work (including office buildings, canteens and the like used in connection with the business covered by the return, but not dwelling houses for employees). 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 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. 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.

Capital expenditure during the year in respect of manufacturing establishments where production had not started before the end of the year is excluded from the figures for both 1963 and 1968 but is included in the figures for 1970.

Enterprise

The term enterprise is used in this report to mean one or more establishments under common ownership or control. An enterprise normally consists of a single establishment, more than one establishment owned by the same firm, or a number of establishments owned by a parent company and its subsidiary companies. Information about the relationship between constituent companies of enterprises was obtained mainly from published sources such as the Stock Exchange Year Book supplemented by information from company reports and information supplied by establishments. The information available is not complete but covers the largest and most important groups of industrial establishments and is believed sufficient to provide a worthwhile basis for analysis.

Establishment

The definition of the establishment differed between the Censuses for 1963, 1968 and 1970. The definitions used were as follows:—
1963: the establishment was normally the premises under the same ownership or management at a particular address.

1968: the establishment was defined, in accordance with Standard Industrial Classification (Revised 1968), as being the smallest unit which could provide the information normally required for an economic census, for example, employment, expenses, turnover and capital formation. Sometimes activities which are conducted as a single business are carried on at a number of addresses. In 1968 where the activities of such a business were closely integrated and the addresses, termed local units, were in close proximity the establishment was defined to cover the combined activities and a single return was accepted. When the activities were closely integrated but the addresses were not in close proximity a combined return was accepted but the individual addresses were treated—in the count of establishments in an industry, for instance—as separate establishments.

1970: the practice of treating as multi-unit establishments those businesses with closely integrated activities at a number of addresses in close proximity was extended to all those businesses where the local units were at more than one geographical location and detailed census information was not available for each unit. Separate figures were obtained, however, of employment and capital expenditure at each unit. The effect of this change is to reduce somewhat the number of establishments as compared with 1968

Gross output

Gross output measures the total value of production (including work done) by establishments during the year. It is calculated as follows:

Value of sales and work done

Plus/Less: Increase/decrease in value of stocks of goods on hand for sale

Plus/Less: Increase/decrease in value of work in progress Gross output.

Net output

Net output represents the value added to materials by the process of production (including the margin on selling any merchanted or factored goods). It is calculated as follows:-

Gross output

Less: Purchases adjusted for change in value of stocks of fuel and raw materials

Less: Payments for work given to other establishments

Less: Payments for transport

Less: Net amount of any duties, subsidies, allowances and levies payable

Net output.

Net output per person employed

The figures of net output per person employed are derived by dividing the net output by the average number of persons employed (full time 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, plants 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 included. In general, purchases of goods for merchanting or factoring and canteen supplies are included. Materials supplied by customers for processing are excluded, as are all purchases charged to capital account.

The values shown include any duty paid (less rebate, etc.) but exclude trade discounts allowed. The cost of transport is included only if included in the cost of materials as invoiced; amounts paid to transport organisations, including an establishment's own separate transport organisations for delivery of materials and fuel are, therefore, excluded. Materials purchased overseas are included at the c.i.f. cost plus any duty payable if the cost of transport from the docks was not included in the invoiced price, but at their full delivery cost if invoiced "carriage paid home". Materials and fuel transferred from another department of the establishment not covered by the same return are included at the estimated selling value recorded by the other department

Sales are in respect of goods made by the business covered by the return, goods made for it by outworkers or by other establishments from materials given out to them (sometimes described as goods made on commission) and waste products. Any machinery or other capital items produced for use in the business covered by the return are included, the value being that adopted in the establishment's asset accounts. Goods sold without being subjected to any manufacturing process (i.è. merchanted or factored) and canteen takings are included.

The value shown for sales is the net selling value, defined as the amount charged to customers whether on an ex-works or delivered basis excluding any trade discounts, agents' commissions, allowances for returnable cases, purchase tax, etc.; the net amount charged for packaging materials is included. Goods charged on a delivered basis to customers overseas are included at the f.o.b. value.

Goods produced in one establishment and transferred to another establishment of the same firm not covered by the return were treated as sales by the producing establishment and valued as far as possible as if they had been sold to an independent purchaser. Goods transferred to wholesale or retail selling organisations for which separate accounts were kept were valued on the same

To the extent that sales of finished products of one establishment constitute the materials purchased by another, total figures of the value of sales (and of materials and fuel purchased) include an element of duplication. In some industries, e.g. motor vehicle manufacturing, and woollen and worsted, this duplication is substantial; and aggregates of the figures for a number of industries contain significantly greater amounts of duplication. For work done on commission, sub-contract work, etc., the value shown is the total amount charged for the work, including the value of any materials bought and used in such work.

Services rendered

This represents the amounts charged for hiring out plant, machinery and other goods, providing transport, or for any technical or other services rendered to other organisations. It includes amounts credited for similar services rendered to other establishments of the same enterprise not covered by the return.

Standard Industrial Classification

Industry classification is based on the Standard Industrial Classification (Revised 1968). It is published by H M Stationery Office together with a separate index in the form of an alphabetical list of industries.

Stocks and work in progress

Values are given of stocks of goods on hand for sale, and of materials and fuel, at the end of the year of return, including any stocks of goods held for merchanting or factoring. Values of the change during the year are also shown. The values include duty in the case of dutiable goods held out of bond.

The value of work in progress at the end of, and the change during, the year are also usually shown. This excludes any progress payments made to sub-contractors, and no deduction is made on account of progress payments received.

Transport payments

These represent the total amount paid or credited during the year for both outwards transport of finished goods sold and inwards transport of materials and fuel purchased. They include payment to other establishments, and to any separate transport organisation of the same establishment not covered by the return, but exclude the value of transport services provided by the business covered by the return. The items included are payments for hired cartage and for inwards and outwards carriage by all forms of inland transport, i.e. railways, road haulage, canals, coastwise shipping, air, etc. Payments made for sea and air freight on goods sold to customers overseas and on materials and fuel purchased from overseas suppliers are excluded.

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 is excluded.

The figures shown represent the total amount paid for work done by other establishments (whether part of the same enterprise or not) on materials supplied to them. They do not include payments to individual outworkers or payments for business and other services.

SYMBOLS USED

The following symbols are used throughout the report:

not available,

nil or negligible (less than half the last significant figure)

figures cannot be shown owing to risk of disclosing information about individual enterprises.

ROUNDING OF FIGURES

Figures in the tables have, where necessary, been rounded to the nearest final digit; there may, therefore, be apparent slight discrepancies between the sums of the constituent items and the totals shown.

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