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Business Monitor

DEPARTMENT OF TRADE AND INDUSTRY BUSINESS STATISTICS OFFICE

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OF POL. ICAL AND

Report on the Census of Production 1970

C48 Copper, brass and other copper alloys

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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DEPARTMENT OF TRADE AND INDUSTRY BUSINESS STATISTICS OFFICE

Report on the Census of Production 1970

C48 Copper, brass and other copper alloys

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)

Petroleum and natural gas

Bread and flour confectionery

mining and quarrying

Milk and milk products

Fruit and vegetable products

Margarine
Starch and miscellaneous foods
Brewing and malting

Spirit distilling and compounding British wines, cider and perry

Coke ovens and manufactured fuel Mineral oil refining

General chemicals (other than inorganic

Synthetic resins and plastics materials

Formulated adhesives, gelatine, etc.

Formulated pesticides and disinfectants

Aluminium and aluminium alloys Copper, brass and other copper alloys

Agricultural machinery (except tractors)

Textile machinery and accessories Construction and earth moving equipment

Mining machinery Printing, bookbinding and paper goods

Food and drink processing machinery

Industrial (including process) plant and

Miscellaneous (non-electrical) machinery

Photographic and document copying equipment

C60 Refrigerating machinery (except domestic

Space heating, ventilating and air-

Explosives, fireworks and matches

Photographic chemical materials

Pharmaceutical chemicals and preparations

Lubricating oils and greases

General chemicals (inorganic) General chemicals (organic)

and organic)

Paint

Fertilizers

Steel tubes

Iron castings, etc.

Industrial engines

Office machinery

making machinery

type refrigerators)

steelwork

and systems

conditioning equipment

Ordnance and small arms

Watches and clocks

Electrical machinery

Insulated wires and cables

General mechanical engineering

Surgical instruments and appliances Scientific and industrial instruments

Telegraph and telephone apparatus and

Electronic computers Radio, radar and electronic capital goods

Radio and electronic components

Broadcast receiving and sound reproducing equipment

Polishes

Toilet preparations

Soap and detergents

and synthetic rubber

Dyestuffs and pigments

Printing ink Surgical bandages, etc.

Iron and steel (general)

Miscellaneous base metals

Metal-working machine tools Pumps, valves and compressors

Mechanical handling equipment

Animal and poultry foods Vegetable and animal oils and fats

Coal mining
Stone and slate quarrying and mining

Metalliferous mining and quarrying

Bacon curing, meat and fish products

Cocoa, chocolate and sugar confectionery

Chalk, clay, sand and gravel extraction

Salt and miscellaneous non-metalliferous

C1 Introductory Notes
C2 Coal mining
C3 Stone and slate quar

Grain milling

Biscuits

Sugar

C20 C21 C22 C23 C24 C25 C26

C31 C32

C35

C36

C37

C38

C39

C40

C44

C45

C47 C48

C50 C51

C53

C54

C56 C57

domestic use 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.

es primarily for

C90 Bolts, nuts, screws, rivets, etc.

Wire and wire manufactures Cans and metal boxes

C93

Jewellery and precious metals Metal furniture

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

Hosiery and other knitted goods

C105 C106 Lace

Carpets Narrow fabrics

C108 C109 Made-up household textiles and handkerchiefs

Canvas goods and sacks, etc. Textile finishing

C111 C112 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.

C120 C121 Dresses, lingerie, infants wear, etc.

Hats, caps and millinery

Corsets and miscellaneous dress industries

C122 C123 C124 Gloves

Footwear

Bricks, fireclay and refractory goods

C126 C127 Pottery

Glass

Cement

C129

Miscellaneous building materials and mineral C130

products Timber

Furniture and upholstery Bedding and soft furnishing C132 C133

Shop and office fittings
Wooden containers and baskets

C135 C136 Miscellaneous wood and cork manufacturers

Paper and board

Cardboard boxes, cartons and fibre-board packing cases

Packaging products of paper and associated materials (other than board)

Manufactured stationery

Wallcovering

Miscellaneous manufactures of paper and board

Printing, publishing of newspapers and periodicals

General printing, publishing, etc.

Rubber

Linoleum, plastics floor covering, leathercloth, etc. C145

Brushes and brooms

Toys, games and children's carriages Sports equipment

Miscellaneous stationers' goods

Plastics products

Musical instruments Miscellaneous manufacturing industries

Electricity

Water supply

C48 Copper, brass and other copper alloys

This report on the Copper, Brass and Other Copper Alloys Industry relates to establishments engaged wholly or mainly in refining copper, making copper alloys (brass, bronze etc.), and in the production in copper and its alloys of ingots, bars, billets, sheets, strip, foil, circles, sections, rods, pipes, tubes etc. and of die castings. The production of engineers' castings, stampings and pressings is included but wire drawing and the production of finished goods such as hollow-ware are excluded.

The industry corresponds to minimum list heading 322 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 48. The definition of the industry is the same for the 1968 and 1970 censuses. The figures given for 1963 have been reclassified as far as possible according to the Standard Industrial Classification (revised

There were no larger establishments in this industry in Northern Ireland in 1963, 1968 or 1970.

In interpreting the data in the tables it is essential to bear in mind the notes and definitions which commence on page (iii). C48.9

Table No	Title	Page
	Section I - Estimates for all United Kingdom establishments in the industry	
1	Net output, 1963, 1968 and 1970 - Establishments classified to the industry	C48.3
2	Capital expenditure and stocks, 1963, 1968 and 1970 - Establishments classified to the industry	C48.4
3	Analysis of establishments by size, 1970 - Establishments classified to the industry	C48.5
4	Percentage analysis of employees by age and sex, 1970 - Establishments classified to the industry	C48.6
5	Regional distribution of employment, net capital expenditure and net output, 1970 Establishments classified to the industry	C48.7
	Section II - Analysis of returns received	
6	Analysis of net output of returns received from establishments employing 25 or more persons, 1963, 1968 and 1970	C48.8

Percentage analysis of twelve-month periods covered by returns from establishments

employing 25 or more persons, 1970

Net output, 1963, 1968 and 1970

TABLE 1

All United Kingdom establishments classified to the industry (a)

can over cons	Unit	1963	1968	1970
Enterprises	Number	396	425	460
Establishments (b)	ш	465	506	508
Sales of goods produced and work done Services rendered to other organisations (c)	£'000	316,095	533,359	608,129
Goods merchanted or factored	11	14,955	36,878	30,053
Total sales and work done	п	331,050	570,237	638,782
Change during the year, goods on hand for sale	11	+ 599	+ 3,621	- 436
Change during the year, work in progress	11	+ 3,070	+ 6,835	- 6,582
Gross output	11	334,718	580,693	631,764
Cost of purchases	11	253,519	468,246	483,125
Change during the year, stocks of materials, stores and fuel	п	+ 2,127	+ 1,403	_ 11,006
Payments to other organisations		1 620	2,577	4,063
for work done on materials given out	11	1,639	2,354	2,587
for transport by road for transport by rail, water, air and Post Office parcel services (d)	ii ii	2,151	179	512
Total costs	11	255,182	471,953	501,293
Net output	11	79,536	108,738	130,471
Total employment (including working proprietors) (e)	Thousands	49.6	48.5	52.4
Net output per head	£	1,602	2,241	2,490

⁽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)

	1963	1968	1970 (b)
Capital expenditure	£'000	£'000	£,000
New building work	2,045	1,307	2,024
Land and existing buildings	anch to	s lena menabarg	doern to entire
Acquisitions	616	380	459
Disposals	196	562	105
Plant and machinery			mida, wester
Acquisitions	6,382	7,817	9,778
Disposals	275	282	359
Vehicles	postable at	the governor	gerous massi
Acquisitions	665	871	1,182
Disposals	170	228	344
Total net capital expenditure (c)	9,066	9,304	12,635
tocks and work in progress at end of year		01162162210 230	
Materials, stores and fuel	21,692	30,682	32,305
Work in progress	18,249	35,731	34,807
Goods on hand for sale	11,064	23,693	24,512
Total stocks	51,005	90,107	91,624

⁽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 less disposals.

TABLE 3

Analysis of establishment by size, 1970

All United Kingdom establishments classified to the industry (a)

				Employ	ees	Wages and	salaries	Wages and s		Total	201		Net	Capital	Total stocks and work in		
Size group (b)	Enterprises (c)	Estab- lishments (d)	Total employment (b)	Operatives	Others (e)	Operatives	Others (e)	Operatives	Others (e)	sales and work done (f)	done output	work done output	k done output	Net output	output per head		progress at end of year
	Number	Number	Number	Number	Number	£,000	£,000	£	£	£,000	£,000	£,000	£	£,000	£,000		
1-10	178	179	1,074								- 8-1						
11-24	139	139	2,350	7 070	1 040	0.000	0.040	1 110	1.545	100 510	100.007	01 000	2 242	0.005	10 111		
25-49	46	46	1,730	7,372	1,840	8,200	2,843	1,112	1,545	108,519	108,697	21,883	2,349	2,365	10,444		
50-99	58	61	4,160														
100-199	28	34	4,429	3,561	853	4,000	1,489	1,123	1,745	44,452	44,430	9,636	2,176	1,198	5,431		
200-299	12	14	3,737	2,850	881	3,595	1,205	1,261	1,368	33,447	32,842	8,410	2,250	821	4,976		
300-399	4	.8	2,846	2,089	757	2,251	1,032	1,077	1,363	44,962	44,951	6,717	2,360	484	4,267		
400-499	5	6	2,758	2,284	474	2,955	893	1,294	1,884	43,073	42,826	9,320	3,379	2,452	3,493		
500-749	5	8	5,081	3,969	1,112	4,965	1,661	1,251	1,494	53,059	52,274	12,046	2,371	859	6,934		
750 and over	7	13	24,228	16,876	7,352	22,601	12,215	1,339	1,661	311,271	305,743	62,459	2,578	4,455	56,079		
Total	460	508	52,393	39,001	13,269	48,567	21,338	1,245	1,608	638,782	631,764	130,471	2,490	12,635	91,624		

- (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 less 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	
	per cent	per cent	per cent	
Under 18	2	1	3	
18 and over	79	18	97	
All ages	81	19	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		number ved (a)	expenditure (b)		establishme	Net output and employment in the region of establishments with more than 80 per cent of their employment in the region (c)					
	act - 1				their emproyment in the region (c)						
	0.5,689 748,703				Estimated net output	Average number employed as a percentage of total average number employed in the industry in the region	Net output as percentage of total of the industry in the United Kingdom				
100 100	0.0,04										
	Thousands	per cent of United	£'000	per cent of United	£,000	NIS Since amplyment does	n ions?				
	SELE A	Kingdom		Kingdom	s xxX band is	a above your sate	serveh namel) :				
Standard Regions of England	# s.20	595.2			asergoon ;	Ason Sorr Sala	grittin eggani				
North	1.1	2.0	327	2.6	2,043	82.1	1.6				
Yorkshire and Humberside	6.7	12.7	672	5.3	12,102	91.2	9.3				
East Midlands	0.4	0.7	394	3.1	688	71.8	0.5				
East Anglia	*	*	*	*	*	*	*				
South East	7.2	13.8	2,268	18.0	19,460	85.2	14.9				
South West	*	*	*	*	*	*	*				
West Midlands	27.2	51.9	7,189	56.9	60,393	91.3	46.3				
North West	6.4	12.3	949	7.5	16,343	88.0	12.5				
England	50.3	96.0	11,939	94.5	113,069	89.7	86.7				
Wales	0.5	0.9	52	0.4	762	94.6	0.6				
Scotland	1.6	3.1	644	5.1	3,293	68.8	2.5				
Great Britain	52.4	100.0	12,635	100.0	117,124	89.1	89.8				
Northern Ireland	35 -	8.56	- sheep	082 -	- 100 - 100	De Bullerians de	Tasaret (sana				
Unallocated (d)	6.6-	805	-	-	13,347	Busher and the	10.2				
United Kingdom	52.4	100.0	12,635	100.0	130,471		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.

TABLE 7

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 Enterprises	Number	151	132	120
Establishments (a)	11	218	194	163
Sales of goods produced and work done	£'000			
Services rendered to other organisations (b)	11	297,857	489,260	547,511
Goods merchanted or factored	11			26,742
Canteen takings	11	14,092	33,829	587
Total sales and work done	п	311,949	523,089	574,839
Change during the year, goods on hand for sale	п	+ 564	+ 3,321	_ 414
Change during the year, work in progress	11	+ 2,893	+ 6,270	- 6,615
Gross output	п	315,406	532,681	567,810
Cost of purchases	п	238,892	429,531	433,372
Change during the year, stocks of materials, stores and fuel	п	+ 2,004	+ 1,287	- 11,183
Payments to other organisations				Bilgok Jas3
for work done on materials given out	н	1,544	2,364	3,312
for transport by road	н (186.)	9.18	2,160	2,276
for transport by rail, water, air and	054	2,027	105	070
Post Office parcel services (c)	NO 1 10000. 1	1 100.08	165	379
Total costs	0 II 88	240,459	432,933	450,522
Net output	п	74,947	99,748	117,288
Total employment (including working proprietors) (d)	Thousands	46.8	44.5	46.7
Net output per head	£	1,602	2,241	2,510

⁽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
		per cent	per cent
1970	April (a)	1.2	0.4
	May	0.0	0.0
	June	6.1	2.3
	July	3.1	4.4
	August	1.2	0.2
	September	7.4	2.6
	October	3.1	0.7
	November	0.6	0.1
	December	49.7	63.4
1971	January	9.8	16.3
	February	1.2	0.5
	March (b)	16.6	9.1
		100.0	100.0

⁽a) From 6th April.

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.

Establishmen

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

Sales

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.e. 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 basis.

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.

Work given out

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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