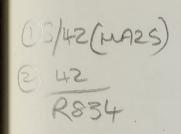
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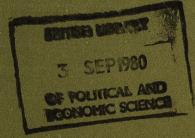


Business Statistics Office

Business Monitor

Report on the Census of Production

Office machinery





A publication of the Government Statistical Service

PA338

Business Monitor

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

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Report on the Census of Production 1978

machinery

Office

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

Department of Industry Business Statistics Office

List of Industry Reports, etc.

PA1001	Introductory notes	PA369.1	Electrical and aircra
PA101	Coal mining Stone and slate quarrying and mining	PA369.2	Primary an
PA102 PA103	Chalk, clay, sand and gravel extraction	PA369.4	Electric la
PA104	Petroleum and natural gas	PA370	accessories
PA109 PA211	Miscellaneous mining and quarrying Grain milling	PA380	Wheeled t
PA212	Bread and flour confectionery	PA381.1	Motor veh
PA213	Biscuits	PA381.2 PA382	Trailers, c. Motor cyc
PA214 PA215	Bacon curing, meat and fish products Milk and milk products	PA383	Aerospace
PA216	Sugar	PA384	Locomoti
PA217	Cocoa, chocolate and sugar confectionery	PA390	wagons an Engineers
PA218 PA219	Fruit and vegetable products Animal and poultry foods	PA391	Hand tool
PA221	Vegetable and animal oils and fats	PA392	Cutlery, s Bolts, nut
PA229.1 PA229.2	Margarine Starch and miscellaneous foods	PA393 PA394	Wire and v
PA229.2	Brewing and malting	PA395	Cans and
PA232	Soft drinks	PA396 PA399.1	Jewellery Metal furr
PA239.1 PA239.2		PA399.5	Drop forg
PA240	Tobacco	PA399.6	Metal holl
PA261	Coke ovens and manufactured fuel Mineral oil refining	PA399.8 PA411	Miscellane Productio
PA262 PA263	Lubricating oils and greases	PA412	Spinning a
PA271.1	Inorganic chemicals	PA413 PA414	Weaving o Woollen a
	Organic chemicals Miscellaneous chemicals	PA414 PA415	Jute
PA272	Pharmaceutical chemicals and preparations	PA416	Rope, twi
PA273	Toilet preparations	PA417.1 PA417.2	Hosiery and Warp knit
PA274 PA275	Paint Soap and detergents	PA418	Lace
PA276	Synthetic resins and plastics materials and	PA419	Carpets
PA277	synthetic rubber Dyestuffs and pigments	PA421 PA422.1	Narrow fa
PA278	Fertilizers		Canvas go
PA279.1		PA423 PA429.1	Textile fin Asbestos
PA279.2 PA279.3	Formulated adhesives, gelatine, etc. Explosives and fireworks		Miscellane
	Formulated pesticides, etc.	PA431	Leather (
	Printing ink	PA432 PA433	Leather g Fur
PA279.6 PA279.7	Surgical bandages, etc. Photographic chemical materials	PA441	Weatherp
PA311	Iron and steel (general)	PA442	Men's and
PA312 PA313	Steel tubes Iron castings, etc.	PA443 PA444	Women's Overalls a
PA313	Aluminium and aluminium alloys	PA445	Dresses, I
PA322	Copper, brass and other copper alloys	PA446 PA449.1	Hats, cap
PA323 PA331	Miscellaneous base metals Agricultural machinery (except tractors)	PA449.1 PA449.2	
PA332	Metal-working machine tools	PA450	Footwear
PA333.1	Pumps	PA461.1 PA461.2	
PA333.2 PA333.3	Valves Compressors and fluid power equipment	PA462	Pottery
PA334	Industrial engines	PA463	Glass
PA335 PA336	Textile machinery and accessories Construction and earth-moving equipment	PA464 PA469.1	Cement Abrasives
PA337	Mechanical handling equipment		Miscellan
PA338	Office machinery	PA471	Timber Furniture
PA339.1 PA339.2		PA472 PA473	Bedding,
	Refrigerating machinery, space-heating,	PA474	Shop and
DA 220 E	ventilating and air-conditioning equipment	PA475 PA479	Wooden o Miscellan
PA339.5	Scales and weighing machinery and portable power tools	PA481	Paper and
PA339.7		PA482.1	
PA339.9	packaging and bottling machinery Miscellaneous (non-electrical) machinery	PA482.2 PA483	Packaging Manufact
PA341	Industrial (including process) plant and steelwork	PA484.1	Wallcover
PA342	Ordnance and small arms	PA484.2 PA485	Miscellan Printing,
PA349.1 PA349.2	Ball, roller, plain and other bearings Precision chains and other mechanical engineering	PA489	General p
PA351	Photographic and document copying equipment	PA491	Rubber
PA352 PA353	Watches and clocks Surgical instruments and appliances	PA492 PA493	Linoleur Brushes a
PA353	Scientific and industrial instruments and systems	PA494.1	
PA361	Electrical machinery	PA494.3	Sports ec
PA362 PA363	Insulated wires and cables Telegraph and telephone apparatus and	PA495 PA496	Miscellan Plastics p
. 4000	equipment	PA499.1	
PA364	Radio and electronic components		
PA365.1 PA365.2	Gramophone records and tape recordings Broadcast receiving and sound reproducing	PA500 PA601	Construc Gas
	equipment	PA602	Electricit
PA366 PA367	Electronic computers Radio, radar and electronic capital goods	PA603	Water su
PA368	Radio, radar and electronic capital goods Electrical appliances primarily for domestic use	PA1002	Summary

	PA481	Paper and board
	PA482.1	Cardboard boxes, car
	PA482.2	Packaging products of
	PA483	Manufactured station
work	PA484.1	Wallcoverings
	PA484.2	Miscellaneous manuf
	PA485	Printing, publishing
ering	PA489	General printing and
ent	PA491	Rubber
	PA492	Linoleum, plastics fl
	PA493	Brushes and brooms
tems	PA494.1	Toys, games and chil
	PA494.3	Sports equipment
	PA495	Miscellaneous station
	PA496	Plastics products
	PA499.1	Musical instruments
	PA499.2	Miscellaneous manuf
	PA500	Construction
	PA601	Gas
	PA602	Electricity
	PA603	Water supply
	PA1002	Summary tables
JSe		

	wasans and trams
PA390	wagons and trams Engineers' small tools and gauges
PA390	Hand tools and implements
PA391	Cutlery, spoons, forks and plated to
PA393	Bolts, nuts, screws, rivets, etc.
PA393	Wire and wire manufactures
A394	Cans and metal boxes
A395 PA396	Jewellery and precious metals
A399.1	Metal furniture
A399.5	Drop forgings, etc.
A399.6	Metal hollow ware
A399.8	Miscellaneous metal manufacture
A000.0	Production of man-made fibres
PA412	Spinning and doubling on the cotto
PA413	Weaving of cotton, linen and man-r
PA414	Woollen and worsted
PA415	Jute
PA416	Rope, twine and net
A417.1	Hosiery and other knitted goods
PA417.2	Warp knitting
PA418	Lace
PA419	Carpets
PA421	Narrow fabrics
PA422.1	Household textiles and handkerchi
A422.2	Canvas goods and sacks and other
PA423	Textile finishing
PA429.1	Asbestos
PA429.2	Miscellaneous textile industries
PA431	Leather (tanning and dressing) and
PA432	Leather goods
PA433	Fur
PA441	Weatherproof outerwear
PA442	Men's and boys' tailored outerwea
PA443	Women's and girls' tailored outerw
PA444	Overalls and men's shirts, underwe
PA445	Dresses, lingerie, infants' wear, etc
PA446	Hats, caps and millinery
PA449.1	Corsets and miscellaneous dress in
PA449.2	Gloves
PA450	Footwear
PA461.1	Refractory goods
PA461.2	Building bricks and non-refractory
PA462	Pottery
PA463	Glass
PA464	Cement
PA469.1	Abrasives
PA469.2	Miscellaneous building materials an
PA471	Timber
PA472	Furniture and upholstery
PA473	Bedding, etc.
PA474	Shop and office fitting
PA475	Wooden containers and baskets
PA479	Miscellaneous wood and cork man
PA481	Paper and board
PA482.1	Cardboard boxes, cartons and fibr
PA482.2	Packaging products of paper and a
PA483	Manufactured stationery
PA484.1	Wallcoverings
PA484.2	Miscellaneous manufactures of par
PA485	Printing, publishing of newspapers
PA489	General printing and publishing
PA491	Rubber
PA492	Linoleum, plastics floor-covering,
PA493	Brushes and brooms
PA494.1	Toys, games and children's carriag
PA494.3	
PA495	Miscellaneous stationers' goods
PA496	Plastics products
PA499.1	Musical instruments
PA499.2	
PA500	Construction
PA601	Gas
PA602	Electricity
PA602	
PA003 PA1002	Water supply Summary tables
1 41002	Commary tables

		PA338 OFFICE
	Electrical equipment for motor vehicles, cycles	PAGe -
2	Primary and secondary batteries Electric lamps, electric light fittings, wiring accessories, etc.	The information Industrial Classif
	Shipbuilding and marine engineering	
	Wheeled tractor manufacturing Motor vehicle manufacturing	Manufacturir
	Trailers, caravans and freight containers	machines, cal
	Motor cycle, tricycle and pedal cycle manufacturing Aerospace equipment manufacturing and repairing	machines and
	Locomotives, railway track equipment, railway carriages	152,040
	wagons and trams	and break states
	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	and the second
	Cans and metal boxes	
	Jewellery and precious metals	C. C
	Metal furniture Drop forgings, etc.	A la faire a fa
5	Metal hollow-ware	and the second
3	Miscellaneous metal manufacture Production of man-made fibres	214,515
	Spinning and doubling on the cotton and flax systems	and shirt which the
	Weaving of cotton, linen and man-made fibres Woollen and worsted	0.200
	Jute	ACCURACION NO.
1	Rope, twine and net Hosiery and other knitted goods	526.755
	Warp knitting	
	Lace Carpets	
5100	Narrow fabrics	
	Household textiles and handkerchiefs Canvas goods and sacks and other made-up textiles	A CONTRACTOR
	Textile finishing	Contraction of
	Asbestos Miscellaneous textile industries	in the second
	Leather (tanning and dressing) and fellmongery	
	Leather goods v	SASK -
	Weatherproof outerwear Men's and boys' tailored outerwear	116 676
	Women's and girls' tailored outerwear	
	Overalls and men's shirts, underwear, etc. Dresses, lingerie, infants' wear, etc.	
	Hats, caps and millinery	2,463
	Corsets and miscellaneous dress industries Gloves	
	Footwear	
1	Refractory goods Building bricks and non-refractory goods	
2	Pottery	450.F
	Glass Cement	
1	Abrasives	TABLEBBB,T
2	Miscellaneous building materials and mineral products Timber	
	Furniture and upholstery	
	Bedding, etc. Shop and office fitting	LIST OF CONT
	Wooden containers and baskets	Contraction of the second
	Miscellaneous wood and cork manufactures Paper and board	
1	Cardboard boxes, cartons and fibre-board packing cases	Table
2	Packaging products of paper and associated materials Manufactured stationery	No
1	Wallcoverings	1
2	Miscellaneous manufactures of paper and board Printing, publishing of newspapers and periodicals	107,499
	General printing and publishing	2
	Rubber Linoleum, plastics floor-covering, leathercloth, etc.	3 94.9
	Brushes and brooms	
13	Toys, games and children's carriages Sports equipment	4
-	Miscellaneous stationers' goods	5
1	Plastics products Musical instruments	
	Miscellaneous manufacturing industries	
	Construction Gas	6
	Electricity	

8

Operating ratios, 1977-1978

MACHINERY

n in this report relates to establishments classified to the Office machinery industry, minimum list heading 338 in the Standard ification (revised 1968). The activities of the industry include:-

ing office machinery and parts thereof including typewriters, duplicating (including small offset litho) machines, adding alculating and tabulating machines, cash registers, electronic desk calculators and other machinery for office use. Dictating

machines and elect							
		In interpreti	na the data in th	e tables it is essen	tial to boar		
				s which commence			
· 638,5							
T OF CONTENTS							
089.9							
Table Title							Page
No							non a la la la
1 Outp	ut and costs, 19	974—1978					2
2 Capit	al expenditure,	1974—1978					3
3 Stock	s and work in p	progress, 1974–19	978				3
4 Analy	sis of establish	ments by size, 197	78				4–5
	onal distribution ctor cost, 1978	n of employment,	net capital exper	nditure, net outpu	it and gross va	alue added	6
		of twelve-month p	eriods covered by	y returns received	from United		7
King	dom establishm	ents, 1978					1

1

(ii)

8

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

the second and second second	Unit	1974	1975	1976	1977	1978
Enterprises	Number	108	105	108	103	105
Establishments	a ville bas ma	120	119	121	112	114
Sales of goods produced	£ thousand	162,756	182,834	167,984	190,467	153,040
Receipts for work done and industrial services rendered	enod og løter "	(b)	(b)	6,930	13,785	15,339
Capital goods produced for establish- ments' own use		433	292	86	158	194
Non-industrial services rendered	· "	625	327	(b)	5,227	6,760
Goods merchanted or factored	"	20,431	19,764	17,757	32,605	38,779
Total sales and work done (c)	"	184,244	203,217	192,757	242,242	214,111
Increase during the year, work in progress and goods on hand for sale	"	15,233	610	4,198	10,489	9,206
Gross output	"	199,477	203,828	196,955	252,731	223,317
Purchases of materials for use in pro- duction, and packaging and fuel	"	85,589	87,476	84,830	101,855	72,753
Purchases of goods for merchanting or factoring	"	11,570	11,868	8,726	21,700	29,936
Increase during the year, stocks of materials, stores and fuel	"	5,226	2,973	3,801	5,172	1,676
Cost of industrial services received	"	3,441	2,463	4,118	6,502	5,826
Net output	"	104,103	104,995	103,082	127,847	116,479
Total employment (d)	Thousands	28.3	24.0	19.8	19.5	15.6
Net output per head	£	3,680	4,382	5,215	6,571	7,458
Payments for non-industrial services						
Hire of vehicles, plant and machinery	£ thousand	1,439	1,210	312	1,273	1,064
Rents of industrial and commercia buildings	· "	(e)	(e)	1,673	2,119	1,966
Commercial insurance premiums	"	578	695	808	812	929
Bank charges	"	95	106	109	161	193
Other non-industrial services	"	3,103	3,252	8,478	9,005	8,963
Licensing of motor vehicles	"	34	53	72	71	59
Rates, excluding water rates	"	1,418	1,647	1,944	2,185	1,805
Gross value added at factor cost		97,434	98,033	89,686	112,221	101,499
Gross value added at factor cost			4 001	4 527	5,768	6,499
per head	£	3,444	4,091	4,537	5,700	0,400

Including estimates for establishments not making satisfactory returns. non-response and establishments not selected for the Census. (a) Satisfactory returns accounted for 86 per cent of employment within the industry.

(b) Included in sales of goods produced.

Details of manufacturers' quarterly sales of principal products are published regularly in Business Monitor PQ338. (c)

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

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

2

TABLE 2	
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PA338

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

PA338

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	and the second second second		and the second secon					£ thousand
and the second s	1974	1975		1976	1977	alson 2.	1978	Sinthe Co
Land and buildings					(0)	\$203071		and a state
New building work	1,722	1,554		460	233		239	
Land and existing buildings								
Acquisitions	190	376		4	107		42	
Disposals	397	72		386	72		(c)	
Vehicles								
Acquisitions	873	195		356	579		648	
Disposals	108	36		63	169		391	
Plant and machinery								
Acquisitions	6,354	7,714		7,840	7,172		6,324	
Disposals	612	475		526	235		340	
Total net capital expenditure	8,023	9,255		7,685	7,614		6,521	

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

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

(c) Included in land and existing buildings acquisitions.

TABLE 3

(a)

Stocks and work in progress, 1974–1978 All United Kingdom establishments classified to the industry (a)

	1974	1975	1976	1977		1978			
	11/628/72	Batto.	Increase	(18,8) e		Value at end of year			
Materials, stores and fuel	5,226	2,973	3,801	5,172	1,676	22,636			
Work in progress	10,697	-1,233	2,303	5,957	1,530	27,909			
Goods on hand for sale	4,536	1,843	1,895	4,532	7,676	42,029			
Total	20,459	3,583	7,999	15,661	10,882	92,574			

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

3

Analysis of establishments by size, 1978 All United Kingdom establishments classified to the industry (a)

Size group (b)	Estab- lish- ments	Enter- prises (c)	Employme	nt		Wages and sa	laries (f)		n materia	Total sales and work done (g)	Gross output	Net output		Gross value added at factor cost		Net capital expenditure (h)	Total stock and work i progress at end of year
			Total	Opera-	Others	Operatives		Others (e)	end tony	-omeolome in a sa increasi							i i
			(d)	tives	(e)	Total	per head	Total	per head	n bakusaulu a bakusaulu an orteoo		Total	per head	Total	per head		
	Number	Number	Number	Number	Number	£ thousand	£	£ thousand	£	£ thousand	£ thousand	£ thousand	£ beneri	£ thousand	£	£ thousand	£ thousand
1-10	54	54	265)						al Sub-								
11–19	22	20) 307)			872	0.000	0.000	4.400		10.050	0.070	C 000	(:)	(:)	001	4.960
20-49	8	8) 270)	658	500	2,032	3,088	2,098	4,196	16,657	16,956	8,373	6,880	(j)	(j)	881	4,869
50-99	6	6) 375)						e televene -	Constra							
100-199	6	5	786	427	359	1,443	3,379	1,587	4,419	8,952	9,913	4,745	6,036	11,338(j)	5,661(j)	682	3,634
		4	1,020	690	329	2,024	2,933	1,513	4,599	10,975	11,341	6,142	6,022	5,656	5,545	810	2,675
200-299	4		1,465	1,000	465	3,391	3,391	2,048	4,404	23,506	23,933	10,445	7,130	9,319	6,361	262	7,556
300-499	4	4			1,197	5,247	3,482	5,774	4,824	33,625	33,137	17,460	6,457	13,995	5,176	1,091	14,589
500-999	4	4	2,704	1,507				16,963	4,306	120,396	128,037	69,314	8,227	61,191	7,263	2,795	59,250
1,000 and over	6	6	8,425	4,486	3,939	17,698	3,945	4	4,500	120,590	.8.80 078.1	188.1	0,227	01,101	,,200	0.0	North Wetz
										Constanting of the second							
										CALES OF ST							
										and a survey of the start free						. 0.31	
										T DO BRO DE S		CARE AND A DAY OF A					
										1 Starter							
									4 416	Norm cow zea	outable to each add. Stained by socreger	e net output attrib sech region was ob	n estimate of th An extensite for		C 400	0 521	92,574
Total	114	105	15,617	8,768	6,789	31,835	3,631	29,981	4,416	214,111	223,317	116,479	7,458	101,499	6,499	6,521	92,074
(a) Including	estimates for	establishmen	ts not making	satisfactory r	eturns, non-re	sponse and estat	olishments no	ot selected for th	he Census.	(f) The cos	t of employers' con ed for the industry a	tributions to natio	onal insurance, p	ensions and welfare	e schemes and th	e running costs of	canteens, is usand.
						7) and working p				A CALL THE SECOND	goods produced, ca	na papiera derenta par					
(c) The sum c		for the size gr				ry because some		ontrol establish	ments in	industri	al and non-industria	al services rendere	d and merchante	d goods.			
	working prop										alue added data rela				- smoles and pla	and muchinicity	

5

PA338

(e) Administrative, technical and clerical employees.

• 4

PA338

Regional distribution of employment, net capital expenditure, net output and gross value added at factor cost, 1978 All United Kingdom establishments classified to the industry (a)

Area	Total employmer	nt (b)	Net capital expenditure	(c)	Net output (d)	Gross value added at factor cost (d)	Gross value added at factor cost returned by establishments with 80 per cent or more of their employment	
							proporti	gion as a
					Total TeloT		gross value added at factor cost in the region	
	Thousands	per cent of United Kingdom	£ thousand	per cent of United Kingdom	£ thousand	£ thousand	percenta	ge
Standard regions of England								
North	1.0	6.2	221	3.4	8,610	7,585	рр. 399 —	
Yorkshire and Humberside	0.1	0.7	38	0.6	833	750	_	
East Midlands	0.7	4.4	164	2.5	4,358	3,836	48.4	
East Anglia	0.2	1.1	67	1.0	1,258	1,132	16.9	
South East	10.1	64.4	4,690	71.9	81,193	70,510	77.8	
South West	0.6	3.9	514	7.9	3,890	3,492	42.1	
West Midlands	1.0	6.4	370	5.7	6,565	5,728	17.7	
North West	0.3	1.7	156	2.4	1,881	1,670	26.5	
England	13.9	88.8	6,219	95.4	108,590	94,702	/	
Wales		*	*	•	*	•	/	
Scotland	1.2	7.9	193	3.0	5,487	4,686	83.2	
Great Britain	*	*	*	*	*	*	*	
Northern Ireland	*	*	*	*	*	*	*	
United Kingdom	15.6	100.0	6,521	100.0	116,479	101,499	/	

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

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

(c) New building work plus acquisitions less disposals of land and existing buildings, vehicles and plant and machinery.

(d) Where a census return covered addresses in two or more regions, an estimate of the net output attributable to each address was made by assuming that net output was proportionate to employment. An estimate for each region was obtained by aggregating estimates of net output for addresses located in that region. Gross value added at factor cost is treated similarly.

6

TABLE 6	
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PA338

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

Accounting year ended		Percentage of total returns received	Percentage of total number employed		
	12,049 March 12,07	per cent	per cent		
1978	April (a)	-	of the total - to account of a second to the total of total of the total of to		
	Мау	at custom francister conne customere	t strengther - a maintening. When you are publication a		
	June	6.9	10.7		
	July	3.5	0.2		
	August	and the second	(a) An and (b) and		
	September	6.9	0.5		
	October	notion is instant to her the test to her test	haas not relaties as a percentrary of a cas — has related		
	November	6.9	17.7		
	December	37.9	37.2		
1979	January	artitud of the product of the second of the	international and the second sec		
	February	The second	terrere and an even and the second of the second		
	March (b)	37.9	33.7		

(a) From 6th April.

(b) Including returns made for twelve-month period ended 1st to 5th April 1979.

TABLE 7

Percentage analysis of employees, by full and part-time employment and sex, 1977(a)

Sex	Full-time	Part-time	All employees	All employees		
(delger)	per cent	per cent	per cent			
Male	72	-	72			
Female	25	3	28			

Source: Department of Employment

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

7

PA338

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

Percentate of 1614 minute employee		outer leter in	Unit	· 1977	1978
Gross output per head			£	12,989	14,300
Net output per head			£	6,571	7,458
Gross value added per head			£	5,768	6,499
Gross value added as a percentage of gross output			%	44	45
Ratio of gross output to stocks				2.4	2.4
Vages and salaries as a percentage of gross value added			%	60	61
Ratio of operatives to administrative, technical and clerical employees				1.3	1.3
Nages and salaries per administrative, technical and clerical			£		
mployee				3,870	4,416
Vages and salaries per operative			£	3,129	3,631
let capital expenditure per head			£	391	418
Net capital expenditure as a percentage of gross value addec	ADVIS 1970		%	7	6

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

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8

Notes

PA338

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 PA 1001 (Introductory Notes) of the Report on the Census of Production, 1978.

SENERAL INFORMATION

changes made for 1978

The Census for 1978 is in line with similar inquiries being conducted in other member countries of the European Economic communities.

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

uppression of information relating to individual undertakings ction 9(5)(b) of the Statistics of Trade Act 1947 states The following provisions shall have effect with respect to any eport, summary or other communication to the public of ormation obtained under the foregoing provisions of this Act in compiling any such report, summary or communication the competent authority shall so arrange it as to prevent any particulars published therein from being identified as being particulars relating to any individual person or undertaking except with the previous consent in writing of that person or the person carrying on that undertaking, as the case may be; but this provision shall not prevent the disclosure of the total quantity or value of any articles produced, sold or delivered; so, however, that before disclosing any such total the competent authority shall have regard to any representations made to them by any person who alleges that the disclosure thereof would enable particulars relating to him or to an undertaking carried on by him to be deduced from the total disclosed". a figure involved disclosure the contributor concerned was etimes asked to give permission for its publication. In the ajority of cases permission was given. When it was refused and here contributors were not approached the figure has been appressed, either by combining it with other figures, or as in the gional tables, by omitting the figure altogether.

mbols used

The following symbols are used throughout the PA 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. revised
- wind and a state of the second state of the

Rounding of figures

Figures in the tables have, where necessary, been rounded to the nearest final digit. Where figures have been so rounded, the sum of the constituent items may not always agree exactly with the total shown.

Industrial classification

he United Kingdom Standard Industrial Classification (SIC) was st issued in 1948 and was subsequently revised in 1958 and 068. It exists to promote uniformity and comparability in the ficial statistics of the United Kingdom. The general principles llowed are those of the International Standard Industrial assification of all Economic Activities of the United Nations atistical Office but the United Kingdom SIC reflects the ganisation and structure of industry and trade as it exists in the nited Kingdom. The SIC is a classification by activity and is a commodity classification. However, an index of all commodity adings for which sales data are provided in the Quarterly Business onitors, is published in Business Monitor PO 1000.

tatistical units

^{he}statistical unit for the purpose of the Census is the establishment hich is defined in the SIC as the smallest unit which can provide ^e information normally required for an economic census, for

example, employment, expenses, turnover, capital formation. Usually the principal activities carried on in an establishment fall within a single heading of the classification (eg steel making or sugar refining). Typically the establishment embraces all the activities carried on at a single address eg a mine or a factory, including those which are ancillary to the principal activities. Frequently distinct activities characteristic of different industries are carried on at one address, but normally these are not classified separately and the whole establishment is classified according to the main activity. If, however, the required range of data can be provided for each activity, each is taken to constitute a separate establishment, Sometimes activities which are conducted as a single business are carried on at a number of addresses. Where this is so, businesses are asked to provide the full range of information in respect of each address, whether or not the activities are different. Their activities may, however, be integrated to such an extent that they constitute a single establishment. In the latter case the establishment is defined to cover the combined activities at these addresses (termed local units). Separate figures are obtained of employment and net capital expenditure at each unit in order to compile regional tables. Efforts are made by the Business Statistics Office (BSO) to ensure, by negotiating with respondents, that the return from an establishment does not cover local units in more than one of the countries of the United Kingdom.

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

Particulars relating to head offices mainly engaged in the administration of the production units within the scope of the census were included. Where more than one return was made the information in respect of the head office was apportioned among them.

For certain purposes in the annual censuses of production (especially the enterprise analyses of Business Monitor PA 1002) related establishments are combined. An enterprise group is defined as a business consisting of either a single establishment or two or more establishments under common ownership or control. Bringing together establishments into enterprise groups is also necessary for the purpose of ensuring that there will be no disclosure of the activities of any one enterprise group. Information about the relationship of establishments, the changing structure of groups of companies and about common ownership links is obtained from many sources, including the Stock Exchange Year Book, company reports, press reports and information supplied by individual establishments.

THE REGISTER

The register permits a questionnaire to be sent direct to the reporting establishment on which the latter can include information relating to all the manufacturing (or local) units which it comprises. The inquiries provide a major source of information for keeping the register continuously up-to-date and act as a check on its detail and structure. For the establishments on the register making returns to the quarterly inquiries, the industrial classification is derived from an analysis of their sales of commodities and is reviewed annually. Employment data are entered on the register from returns to the annual census of production. In cases where an establishment does not make a return to these inquiries the employment data are based on information provided by the Department of Employment from the annual censuses of employment. New additions to the register are obtained from various sources including the Department of Employment and HM Customs and Excise. The 1973 Finance Act. allows the latter to pass lists of businesses registered for VAT to the BSO. Where necessary details are sought directly from new businesses. Units which cease to trade are removed from the live register.

Coverage

(iiii)

In recent censuses returns have been required from all establishments employing 20 or more. For the 1978 Census in 68 selected manufacturing industries coverage of establishments in the 20 to 49 employment size band has been reduced to a 1 in 2 sample. This change has relieved some 5,800 firms of the need to complete a census return. The Census has included for the first time a smalle (around 10 per cent) of units employing 11 to 19 to meet an EEC requirement to collect a limited range of data from smaller units every 5 years.

Regions

The regions defined in Table 5 take account of the boundary changes arising out of the Local Government Act 1972 and the Local Government Act (Scotland) 1973. These changes came into effect in April 1974 in England and Wales and May 1975 in Scotland.

TERMS USED IN THE CENSUS REPORT

Establishments were required to state the average number of persons on the payroll during the year of return. Separate figures were required for:

(a) administrative, technical and clerical employees

(b) all other employees (operatives)

Averages could be calculated from the figures relating to the last week of each calendar month. Establishments were also required to state the number of working proprietors where appropriate and these are included in total employment figures. Full-time and part-time employees are included but outworkers (ie persons employed by establishments who worked in their own homes etc on materials supplied by the establishment) are excluded. The figures include persons engaged on merchanting or factoring and canteen workers where particulars in respect of these activities could not be excluded from the return.

Working proprietors

These include all persons regarded as "self-employed" for national insurance purposes and members of their families who worked in the business without receiving a wage or salary; but such persons who worked less than half the normal number of working hours are excluded. Directors working in the business but not in receipt of a definite wage, salary or commission are included under this heading: directors paid by fee only are not included.

Employees

Administrative, technical and clerical employees include directors in receipt of a definite wage, salary or commission, managers and works foremen; research and design employees (other than operatives); draughtsmen, editorial staff, advertising staff, travellers and all office employees.

Operatives include all other classes of employees, that is, broadly speaking, all manual wage earners. They include operatives employed in power stations, transport (including roundsmen), warehouses, stores, shops and canteens, inspectors, maintenance workers and cleaners. Operatives engaged in outside work of erecting, fitting etc are also included, but outworkers are excluded.

Capital expenditure

Capital expenditure during the year in respect of manufacturing units where production had not started before the end of the year is included. Establishments were asked not to deduct from the value of capital expenditure amounts received or expected to be received in grants or allowances from the Government or any statutory body or local authority. Establishments with 100 or more employees were asked to include a total net capital expenditure figure for each calendar year and to state whether any of the investment shown in cost of new building work, vehicles or plant and machinery included goods for letting out on hire or leasing.

(a) New building work

This represents the cost incurred during the year of new building and other constructional work to be used in connection with the business covered by the return. The value is that charged to capital account during the year of return; it includes expenditure on new buildings and on the extension or reconstruction of old buildings, the value of works of a capital nature carried out by the establishment's own staff and the cost of any newly constructed buildings purchased. Figures shown include legal charges, stamp duties, agents' commissions, etc.

(b) Land and existing buildings

The items shown are the capital cost of freeholds purchased and the capital cost or premium payable for leaseholds acquired (excluding the value of assets acquired in taking over an existing business), and the amounts receivable for freeholds or leaseholds disposed of. The value is that charged to capital account during the year of return.

(c) Plant, machinery and vehicles

The items shown are the value of plant and machinery and of vehicles acquired, both new and second-hand, and the amount received for items disposed of during the year. The value of plant and machinery acquired includes plant, etc which firms produced for their own use in connection with the business covered by the return. The value of plant, etc acquired is the expenditure charged to capital account during the year of return less any discounts received, but including the cost of transport and installation. Deductible value added tax is excluded but non-deductible value added tax on motor cars acquired is included. No deduction is made for depreciation, amortization or obsolescence. The proceeds of items disposed of during the year exclude amounts written-off for items scrapped.

Cost of industrial services

This includes amounts payable to other firms for work done on materials supplied by the establishment, payments for repairs and maintenance (including those in respect of rented buildings) and amounts paid to other firms for contracts which have been sublet. Payments to outworkers are excluded.

Cost of non-industrial services

This includes rents of industrial and commercial buildings, hire of plant, machinery and vehicles (excluding vehicles hired with drivers), commercial insurance premiums, bank charges and amounts paid for professional services, post office services, transport (within the United Kingdom), advertising etc. Amounts payable on royalties for the right to use patents, trademarks, copyrights etc, manufacturing and quarrying rights and technical "know-how" are also included.

Gross output

In the calculation of gross output the value of total sales and work done is increased by the rise (or reduced by the fall) during the year in the value of work in progress and goods on hand for sale

Net output

Net output, a customary census measure, is calculated by deducting from gross output the cost of purchases (reduced by the rise, or increased by the fall, during the year of stocks of materials etc) and the cost of industrial services received, and where applicable, duties etc.

Net output per head

The figures of net output per head are derived by dividing the net output by the average number of persons employed (full and part-time) on all activities covered by the returns, including operatives, administrative, technical and clerical employees and working proprietors, but excluding outworkers.

Gross value added at factor cost

Gross value added at factor cost is calculated by deducting from net output the cost of non-industrial services eg rent of buildings, hire of plant, machinery and vehicles (excluding vehicles hired with drivers), commercial insurance premiums, bank charges and amounts paid for professional services, post office services, transport (within the United Kingdom) and advertising, rates (excluding water rates) and the cost of licensing motor vehicles. This estimate of gross value added approaches more closely than census net output to the definition of net output or value added in national accounts statistics.

Gross value added at factor cost per head

The figures of gross value added at factor cost per head are derived by dividing the gross value added by the average number of persons employed (full and part-time) on all activities covered by the returns, including operatives, administrative, technical and clerical employees and working proprietors, but excluding outworkers

Purchases

(iv)

Purchases include the cost of raw materials, components, semimanufactured goods and workshop materials; of replacement parts and consumable tools not charged to capital account; of packaging materials of all types; of stationery and printed matter; of fuel, electricity and water; of materials to be used by the establishment or given out to other establishments for the production of machinery or other capital items for the establishment's own use; of materials for use by the establishment when working on goods supplied by

ustomers; and of food, etc for any canteen covered by the stablishment's return. Transfers of goods to the establishment rom another department of the same firm not covered by the establishment's return are included at a cost corresponding to the stimated selling value recorded by the other department. Amounts avable to transport firms or credited to the firm's own transport department for delivery of materials are excluded, as are all purchases of machinery and plant charged to capital account. Purchases of goods for merchanting or factoring have been pllected separately since 1973. The values shown exclude VAT. They include, in addition to the actual purchase price, the value of packaging material charged to the establishment. The value of returned goods or packaging material returned to suppliers and any rade discounts are excluded. Materials purchased duty-paid are ncluded at their duty-paid value, less any drawback, rebate, etc. the cost of transport is included only if it is included with the purchase price in the firm's accounts. Imported goods are included at their full delivered cost. If in the firm's accounts the transport romdocks or airport is not included in the cost of goods purchased, the cost is entered at cif plus duty (if applicable). Leasing, enting and hire purchase charges are excluded.

Sales of goods produced

Sales for the purposes of the annual censuses means deliveries on sale of goods made by establishments in the United Kingdom overed by the inquiry. Sales of goods made for these establishments y outworkers or by other establishments from materials given out them and sales of waste products are included. New building work and machinery or other capital items produced by establishnents for hiring out or leasing are regarded as sales, the value ncluded in the return being that adopted in the establishments' apital asset accounts. Forward sales and canteen takings are excluded. All sales in the period of the inquiry are included irrespective of when the goods were manufactured. Goods produced in one establishment and transferred either to ancillary departments not engaged in production for which there are separate accounts, or to nother establishment of the same firm not covered by the return. are treated as sales by the producing establishment and valued as ar as possible as if they had been sold to an independent purchaser. Goods transferred to wholesale or retail selling organisations, for hich separate accounts are kept are valued on the same basis.

The value shown for sales is the "net selling value" defined as the amount (excluding VAT) 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.

Receipts for work done and industrial services rendered

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 oreparatory 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 obbing work. Other activities within this heading include exploration work, research and development, glass cutting and dressing and blaning of timber.

Industrial services rendered include repairs and maintenance, installation work, and technical research and studies for other organisations,

Capital goods produced for establishments' own use

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

Non-industrial services rendered

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

Goods merchanted or factored

Merchanted goods are those (excluding canteen sales) sold without having been subjected to any manufacturing process by the seller.

Stocks and work in progress

Values are given of stocks of goods on hand for sale and of materials, stores and fuel, at the end of the year of return and of the change during the year, including any stocks of goods held for merchanting or factoring. Work in progress is defined as materials which have been partially processed by the establishment but which are not usually sold or transferred to another establishment without further processing. The values include the cost of materials consumed and labour used. Progress payments made to subcontractors are excluded and progress payments received from other organisations are not deducted.

Wages and salaries

These are amounts paid during the year to operatives and to administrative, technical and clerical employees. Payments to working proprietors, whether called salaries or not, are excluded. The values shown include all overtime payments, bonuses and commissions, whether paid regularly or not, and no deduction is made for income tax, insurances, contributory pensions etc. The value of redundancy payments less any amounts reimbursed from Government sources is included. The value of any payments in kind, travelling expenses etc is included.

Remuneration paid to outworkers

The remuneration paid to outworkers (ie persons employed by the establishment who do their work in their own homes) is generally on a piece-work basis. Only amounts paid to outworkers whose names appear on the establishment's payroll are included. Amounts paid to outworkers by sub-contractors are excluded.

Employers' insurance and welfare contributions

This item includes employers' contributions to national insurance under the Social Security Pensions Act, 1975 as well as commercial insurance premiums to provide pensions, superannuation or other retirement benefits, sickness benefits, personal accident benefits, disability or death benefits for employees or former employees or their dependants. Contributions to the running costs of canteens, social centres, children's and holiday homes, etc for employees, former employees and their dependants are also included.

Operating ratios

The operating ratios shown were obtained by dividing the estimate of the industry total for the quantity shown in the numerator by the corresponding estimate for the quantity shown in the denominator. These estimates cover all establishments classified to each industry, including not selected establishments and non-respondents. Within an industry, it is possible to compare ratios for an individual firm with the ratios shown for the relevant industry. However, it is important to bear in mind that various factors may affect the results – for example, differences in definitions, treatment of depreciation (which is not identified in the census data) and varying practice with regard to stock valuation, may affect comparability in some respects.

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