DS/42(HA251)

1973

R834

BRITISH LIBRARY

- 3 NOV 1977 OF POLITICAL AND ECONOMIC SCIENCE



Business Monitor

A publication of the Government Statistical Service

Report on the Census of Production

Precision chains and other mechanical engineering



Department of Industry Business Statistics Office



Report on the 1973

Precision chains and other mechanical engineering

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)

Special Note for Purchasers

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

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

Government Statistical Service

A service of statistical information and advice is provided to the Government by specialist staffs employed in the statistics division of individual Departments. Statistics are made generally available through their publications and further information and advice on them can be obtained from the Departments concerned.

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

> **Department of Industry Business Statistics Office**

Census of Production

List of Industry Reports, etc.

PA1001	Introductory notes
PA101	Coal mining
PA102	Stone and slate quarrying and mining
PA103	Chalk, clay, sand and gravel extraction
PA104	Petroleum and natural gas
PA109	Miscellaneous mining and quarrying
PA211	Grain milling
PA212	Bread and flour confectionery
PA213	Biscuits
PA214	Bacon curing, meat and fish products
PA215 PA216	Milk and milk products
PA210 PA217	Sugar Cocoa, chocolate and sugar confectionery
PA218	Fruit and vegetable products
PA219	Animal and poultry foods
PA221	Vegetable and animal oils and fats
PA229.1	
PA229.2	Starch and miscellaneous foods
PA231	Brewing and malting
PA232	Soft drinks
PA239.1	
PA239.2	
PA240	Tobacco
PA261	Coke ovens and manufactured fuel
PA262 PA263	Mineral oil refining
PA203 PA271.1	Lubricating oils and greases Inorganic chemicals
PA271.1	
PA271.2	5
PA272	Pharmaceutical chemicals and preparations
PA273	Toilet preparations
PA274	Paint
PA275	Soap and detergents
PA276	Synthetic resins and plastics materials and
	synthetic rubber
PA277	Dyestuffs and pigments
PA278	Fertilizers
PA279.1	Polishes
PA279.2	Formulated adhesives, gelatine, etc.
PA279.3	Explosives and fireworks
PA279.4	
PA279.5 PA279.6	Printing ink Surgical bandages, etc.
PA279.7	Photographic chemical materials
PA311	Iron and steel (general)
PA312	Steel tubes
PA313	Iron castings, etc.
PA321	Aluminium and aluminium alloys
PA322	Copper, brass and other copper alloys
PA323	Miscellaneous base metals
PA331	Agricultural machinery (except tractors)
PA332	Metal-working machine tools
PA333	Pumps, valves and compressors
PA334	Industrial engines
PA335	Textile machinery and accessories
PA336 PA337	Construction and earth-moving equipment
PA338	Mechanical handling equipment
PA339.1	Office machinery Mining machinery
PA339.2	Printing, bookbinding and paper goods machinery
PA339.3	Refrigerating machinery, space-heating,
	ventilating and air-conditioning equipment
PA339.5	Scales and weighing machinery and portable
	power tools
PA339.7	Food and drink, processing machinery and
	packaging and bottling machinery
PA339.9	Miscellaneous (non-electrical) machinery
PA341	Industrial (including process) plant and steelwork
PA342	Ordnance and small arms
PA349.1	Ball, roller, plain and other bearings
PA349.2 PA351	Precision chains and other mechanical engineering
PA351 PA352	Photographic and document copying equipment
PA352 PA353	Watches and clocks Surgical instruments and appliances
PA354	Scientific and industrial instruments and systems
PA361	Electrical machinery
PA362	Insulated wires and cables
PA363	Telegraph and telephone apparatus and equip-
	ment
PA364	Radio and electronic components
PA365.1	Gramophone records and tape recordings
PA365.2	Broadcast receiving and sound reproducing
	equipment
PA366	Electronic computers
PA367	Radio, radar and electronic capital goods
PA368	Electrical appliances primarily for domestic use

PA369.1	Electrical equipment for motor vehicles, cycles
PA369.2	and aircraft Primary and secondary batteries
PA369.4	Electric lamps, electric light fittings, wiring
PA370	accessories, etc. Shipbuilding and marine engineering
PA380	Wheeled tractor manufacturing
PA381.1 PA381.2	Motor vehicle manufacturing Trailers, caravans and freight containers
PA382	Motor cycle, tricycle and pedal cycle manufacturing
PA383	Aerospace equipment, manufacturing and repairing Locomotives, railway track equipment, railway carria
PA384	wagons and trams
PA390	Engineers' small tools and gauges
PA391 PA392	Hand tools and implements Cutlery, spoons, forks and plated tableware, etc.
PA393	Bolts, nuts, screws, rivets, etc.
PA394 PA395	Wire and wire manufactures Cans and metal boxes
PA396	Jewellery and precious metals
PA399.1 PA399.5	Metal furniture Drop forgings, etc.
PA399.6	Metal hollow-ware
PA399.8 PA411	Miscellaneous metal manufacture Production of man-made fibres
PA412	Spinning and doubling on the cotton and flax system
PA413 PA414	Weaving of cotton, linen and man-made fibres Woollen and worsted
PA414 PA415	Jute
PA416	Rope, twine and net
PA417.1 PA417.2	Hosiery and other knitted goods Warp knitting
PA418	Lace
PA419 PA421	Carpets Narrow fabrics
PA422.1	Household textiles and handkerchiefs
PA422.2 PA423	Canvas goods and sacks and other made-up textiles Textile finishing
PA429.1	Asbestos
PA429.2 PA431	Miscellaneous textile industries Leather (tanning and dressing) and fellmongery
PA432	Leather goods
PA433 PA441	Fur Weatherproof outerwear
PA442	Men's and boys' tailored outerwear
PA443 PA444	Women's and girls' tailored outerwear Overalls and men's shirts, underwear, etc.
PA445	Dresses, lingerie, infants' wear, etc.
PA446 PA449.1	Hats, caps and millinery Corsets and miscellaneous dress industries
PA449.2	Gloves
PA450 PA461.1	Footwear Pofractory goods
PA461.2	Refractory goods Building bricks and non-refractory goods
PA462	Pottery
PA463 PA464	Glass Cement
PA469.1	Abrasives
PA469.2 PA471	Miscellaneous building materials and mineral product Timber
PA472	Furniture and upholstery
PA473 PA474	Bedding, etc. Shop and office fittings
PA475	Wooden containers and baskets
PA479 PA481	Miscellaneous wood and cork manufactures Paper and board
PA482.1	Cardboard boxes, cartons and fibre-board packing ca
PA482.2 PA483	Packaging products of paper and associated materials Manufactured stationery
PA484.1	Wallcoverings
PA484.2 PA485	Miscellaneous manufactures of paper and board
PA489	Printing, publishing of newspapers and periodicals General printing and publishing
PA491	Rubber
PA492 PA493	Linoleum, plastics floor-covering, leathercloth, etc. Brushes and brooms
PA494.1	Toys, games and children's carriages
PA494.3 PA495	Sports equipment Miscellaneous stationers' goods
PA496	Plastics products
PA499.1 PA499.2	Musical instruments Miscellaneous manufacturing industries
PA601	Gas
PA602 PA603	Electricity Water supply
PA1002	Water supply Summary tables

PA349.2 PRECISION CHAINS AND OTHER MECHANICAL ENGINEERING

The information in this report relates to establishments classified to the Precision chains and other mechanical engineering industry, minimum list heading 349.2 and 3 in the Standard Industrial Classification (revised 1968). The activities of the industry include:-

Manufacturing transmission and other precision chains including transmission chains for motor vehicles and cycles. The undertaking by establishments of general sub-contract or repair work and establishments whose mechanical engineering products (including machinery parts) are of such a mixed character that they cannot be allocated elsewhere among the mechanical engineering group of industries - Order VII.

Prior to 1971, for census purposes, the manufacture of precision chains and other mechanical engineering formed part of the General mechanical engineering industry and separate figures are not available. Aggregate results for the whole of MLH 349 are shown in tables 1b, 2b and 3b; the remaining tables relate only to MLH 349.2 and 3.

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

LIST OF CONTENTS

ages,

able	Title
No	
	United Kingdom establishments classified to the industry
1	Output and costs, 1970, 1971, 1972 and 1973 1a Separate analysis, 1971, 1972 and 1973 1b Combined analysis, 1970, 1971, 1972 and 1973
2	Capital expenditure, 1970, 1971, 1972 and 1973 2a Separate analysis, 1971, 1972 and 1973 2b Combined analysis, 1970, 1971, 1972 and 1973
3	Stocks and work in progress, 1970, 1971, 1972 and 1973 3a Separate analysis, 1971, 1972 and 1973 3b Combined analysis, 1970, 1971, 1972 and 1973
4	Analysis of establishments by size, 1973
5	Regional distribution of employment, net capital expenditure and net output, 1973
6	Percentage analysis of twelve-month periods covered by returns received from United Kingdom establishments employing 20 or more persons, 1973
7	Percentage analysis of employees, by full and part-time employment and sex, 1973
8	Sales of principal products of the industry by establishments employing 25 or more persons, including sales by establishments

Page

PA349.2 2 PA349.2 3

PA349.2 4 PA349.2 5

PA349.2 6 PA349.2 7 PA349.2 8-9

PA349.2 10

PA349.2 11

PA349.2 12

TABLE 1a

PA349,2 2

Output and costs, 1971, 1972 and 1973.

All United Kingdom establishments classified to the Precision chains and other mechanical engineering industry (a)

	Unit	1971	1972	1973
Enterprises	Number	5,292	4,540	4,947
Establishments	territaria de presidente des activitations	5,430	4,735	5,126
Sales of goods produced, work done and industrial services rendered (b)	£'000			584,926
Capital goods produced for establishments' own use (c)	,, }	621,546	511,904	1,500
Non-industrial services rendered (d)				4,502
Goods merchanted or factored		36,512	29,559	23,710
Total sales and work done (b) (d)		658,058	541,462	614,639
Increase during the year, work in progress and goods on hand for sale		-501	800	12,629
Gross output (b) (d)		657,556	542,262	627,268
Purchases of materials for use in production, and backaging and fuel (c)	,,]	261,557	211,378	∫ 219,067
Purchases of goods for merchanting or factoring (c)	5	201,557	211,378	20,771
ncrease during the year, stocks of materials, tores and fuel	"	493	2,322	10,462
Cost of industrial services received (e)	"	18,513	15,898	23,366
Net output (f)		377,979	317.308	374,526
otal employment (g)	Thousands	159.9	129.9	132.6
Net output per head (f)	£	2,364	2,443	2,824
ayments for non-industrial services (h)				
Rents, hire of plant, machinery and vehicles	£'000			6,248
Commercial insurance premiums	"			3,214
Bank charges	"			487
Other non-industrial services	"			15,598
icensing of motor vehicles (j)		in the second		\$ 250
ates, excluding water rates (j)				5,404
Gross value added at factor cost				343,326
Gross value added at factor cost per head	£			2,589

(a) For 1973, estimates for establishments not making satisfactory returns and for establishments employing less than 20 persons accounted for 40 per cent of the total figures in which they were incorporated: of this unsatisfactory returns accounted for 17 per cent.

The figures for 1971-1972 do not include receipts for repairs and maintenance. (b)

(c) Not recorded separately for 1971-1972.

(d) The figures for 1971-1972 do not include revenue from rents for industrial buildings.

The figures for 1971-1972 exclude the amounts payable for repairs and maintenance. (e)

(f) The definition of net output used in previous census reports provided for the deduction of amounts payable to other organisations for transport of goods within the United Kingdom. The net output and net output per head figures on that basis were-

Year	Net output	Net output per head
	£'000	£
1971	372,461	2,329
1972	313,289	2,412

Additionally, the figures for 1971-1972 do not reflect revenue from rents or amounts payable for repairs and maintenance (see footnotes d and e).

(g) Average number employed (full and part-time; see table 7) during the year (including working proprietors) by the establishment.

(h) Not collected for 1971-1972 except for amounts payable to other organisations for transport of goods within the United Kingdom.

(j) Not collected for 1971-1972.

TABLE 1b

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

	Unit	1970
Enterprises	Number	5,128
Establishments	"	5,222
Sales of goods produced, work done and industrial services rendered (b)	£'000	
Capital goods produced for establishments' own use (c)		708,209
Non-industrial services rendered (d)	" 」	
Goods merchanted or factored	"	33,360
Total sales and work done (b) (d)	"	741,569
Increase during the year, work in progress and goods on hand for sale		12,831
Gross output (b) (d)		754,400
Purchases of materials for use in production, and packaging and fuel (c)]	310,049
Purchases of goods for merchanting or factoring (c)	}	310,049
Increase during the year, stocks of materials, stores and fuel		7,457
Cost of industrial services received (e)		18,731
Net output (f)	"	433,077
Total employment (g)	Thousands	205.1
Net output per head (f)	£	2,112
Payments for non-industrial services (h)		
Rents, hire of plant, machinery and vehicles	£'000]	
Commercial insurance premiums		
Bank charges	"	
Other non-industrial services	"	
Licensing of motor vehicles (j)	"	
Rates, excluding water rates (j)	"	
Gross value added at factor cost		
Gross value added at factor cost per head	£	

For 1973, estimates for establishments not making satisfactory returns and for establishments employing less than 20 persons (a) accounted for 33 per cent of the total figures in which they were incorporated: of this unsatisfactory returns accounted for 14 per cent.

The figures for 1970-1972 do not include receipts for repairs and maintenance. (b)

Not recorded separately for 1970-1972. (c)

The figures for 1970-1972 do not include revenue from rents for industrial buildings. (d)

(e) The figures for 1970-1972 exclude the amounts payable for repairs and maintenance.

The definition of net output used in previous census reports provided for the deduction of amounts payable to other organisations (f) for transport of goods within the United Kingdom. The net output and net output per head figures on that basis were:-

ear	Net output £'000	Net output per head
970	427,342	2,084
971	463,410	2,350
972	401,926	2,436

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

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

a)	enagenderska sete meda	and a standy of
1971	1972	1973
5,321	4,585	4,996
5,469	4,791 ^R	5,186
		738,308
756,051	646,750	2,214
		6,881
50,523	41,779	46,957
806,574	688,527	794,360
906	2,051	14,521
807,481	690,578	808,881
317,973	269,797	<pre>{ 277,113</pre>
-604	2,661	12,822
19,146	16,707	26,785
469,758	406,734	478,812
197.2	165.0	166.7
2,382	2,465	2,872
		~
		8,839 4,100
		563
		18,875
••		310
		6,654
		439,471
		2,636

TABLE 2a

PA349.2 4

TABLE 2b

Capital expenditure, 1971, 1972 and 1973

All United Kingdom establishments classified to the Precision chains and other mechanical engineering industry (a)(b)

					£'000
	A SALE	and the second sec	1971	1972	1973
Land and buildings					
New building work			5,456	2,301	3,368
Land and existing buildings					
Acquisitions			2,751	3,210	1,458
Disposals			4,189	3,964	1,483
Vehicles					
Acquisitions					
Motor cars (c)]		3,256
Other vehicles (c)			4,188	4,629	645
Disposals			J was a subjective		L
Motor cars (c)]		1,273
Other vehicles (c)			1,690	2,149	90
Plant and machinery					
Acquisitions			23,538	23,013	23,533
Disposals			2,459	1,565	1,878
Total net capital expenditure	e (d)		27,595	25,475	27,537
				with the set of	

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

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

(c) Not recorded separately for 1971-1972.

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

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

		1970
and and buildings		
New building work		6,908
Land and existing buildings		
Acquisitions		1,712
Disposals		844
/ehicles		
Acquisitions		7
Motor cars (c)		4,329
Other vehicles (c))
Disposals		
Dispusais		>
Motor cars (c)		1 530
		} 1,530
Motor cars (c)		} 1,530
Motor cars (c) Other vehicles (c)		28,867
Motor cars (c) Other vehicles (c) Plant and machinery		J

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

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

(c) Not recorded separately for 1970-1972.

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

		£'000
1971	1972	1973
5,956	2,984	4,425
2,845	3,251	4,043
4,425	4,074	1,982
4,518 1,831	4,981 2,297	3,576 732 1,423 106 106
30,089	28,983	31,635
2,863	1,938	2,113
34,290	31,890	38,787

Stocks and work in progress, 1971, 1972 and 1973

All United Kingdom establishments classified to the Precision chains and other mechanical engineering industry (a)

						£'000
	1581	95.64	1971	1972) 19	73
				Increase	1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	Value at end of year
				·	og multilinge	te se précisione
Materials, stores and fuel			493	2,322	10,462	48,945
Work in progress			-4,403	3,806	11,508	57,881
Goods on hand for sale			3,902	-3,006	1,121	23,887
Total			-8	3,122	23,091	130,713

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

TABLE 3b

Stocks and work in progress, 1970, 1971, 1972 and 1973

All United Kingdom establishments classified to the General mechanical engineering industry (a)

						£'000
(b) molto	 Superior sector	1970	1971	1972	19	173
			In	ncrease		Value at end of year
Materials, stores and fuel		7,457	-604	2,661	12,822	62,809
Work in progress		6,406	6,245	4,483	12,514	77,380
Goods on hand for sale		6,425	7,151	-2,432	2,007	45,128
Total		20,288	302	4,711	27,344	185,317

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

Analysis of establishments by size, 1973

All United Kingdom establishments classified to the Precision chains and other mechanical engineering industry (a)

Size group (b)	Estab- lish- ments	Enter- prises (c)	Employment			Wages and salaries (e)			
			Total (b)	Opera- tives	Others (d)	Operatives	and an and a	Others (d)	
and by pain			19497CR01	-	ana	Total	per head	Total	per head
	Number	Number	Number	Number	Number	£'000	£	£'000	£
1 - 10	3,039	3,013	15,646						
11 - 19	1,074	1,067	15,560	47 700	11.000	77 110	1.010	00.500	1.000
20 - 49	630	622	18,886	47,728	11,829	77,116	1,616	23,560	1,992
50 - 99	206	205	14,124						
100 - 199	102	96	13,989	10,793	3,170	17,258	1,599	6,077	1,917
200 - 299	26	25	6,395	4,821	1,567	7,716	1,601	2,725	1,739
300 - 399	7	7	2,304	1,505	799	2,539	1,687	1,608	2,012
400 - 499	12	10	5,380	3,763	1,617	6,256	1,663	2,950	1,824
500 - 749	14	13	7,963	5,361	2,596	9,631	1,797	4,853	1,870
750 - 999	6	5	5,079	3,305	1,774	4,716	1,427	3,557	2,005
1,000 - 1,999	4	4	6,169	4,272	1,897	6,577	1,540	3,489	1,839
2,000 and over	6	4	21,119	15,575	5,544	24,281	1,559	10,347	1,866

Total	5,126	4,947	132,614	97,123	30,793	156,089	1,607	59,165	1,921

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

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

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

(d) Administrative, technical and clerical employees.

otal sales nd work one (f)	Gross output	Net output	Gross value added at factor cost	
		 Total	per head	 Total
£'000	£'000	£'000	£	£'000
287,593	292,669	181,235	2,822	(h)
64,052	64,844	37,933	2,712	203,232(h)
32,604	33,375	16,996	2,658	15,628
12,786	12,979	6,123	2,658	5,452
27,970	28,544	16,709	3,106	14,326
45,731	46,872	23,987	3,012	21,420
25,911	26,768	14,934	2,940	13,416
35,632	36,501	21,268	3,448	18,883
82,359	84,716	55,341	2,620	50,969
				40.8 2015
614,639	627,268	374,526	2,824	343,326

(e) Another important component of labour costs, employers' national insurance contributions, graduated pensions, contributions to other pensions and welfare schemes and the running costs of canteens, is estimated for the industry at £19,862 thousand. In addition, for 1973 the remuneration to outworkers on returns received was £130 thousand.

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

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

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

PA349.2 9

	Net capital expenditure (g)	Total stocks and work in progress at end of year
per head		
£	£'000	£'000
(h)	13,127	39,808
2,599(h)	3,611	11,278
2,444	1,204	7,727
2,366	374	3,484
2,663	1,063	7,417
2,690	1,644	13,179
2,641	1,207	9,101
3,061	2,014	10,436
2,413	3,292	28,284

2,589

27,537

130,713

TABLE 6

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

Area	Employ	ment (b)	Net capita	al expenditur	e (c)	7.10 	Net output and employment in the region of establishments with more than 8 0 per cent of their employment in the region (e)			
			Total (c)	tania Tania Tana	Land and existing buildings (d)	Other (d)	Estimated net output	Average number employed as a percentage of total average	Net output as a percent- age of total of the industry in	
02675		nu din						number employed in the industry in the region	the United Kingdom	
ende	Thous- ands	per cent of United Kingdom	£'000	per cent of United Kingdom	£'000	£'000	£'000			
Standard regions of England										
North	8.0	6.1	1,577	5.7	35	1,542	12,449	57.9	3.3	
Yorkshire and Humberside	17.9	13.5	4,896	17.8	400	4,495	30,708	58.5	8.2	
East Midlands	6.2	4.7	1,133	4.1	8	1,125	7,195	40.0	1.9	
East Anglia	2.1	1.6	557	2.0	1	556	2,303	37.0	0.6	
South East	42.9	32.4	8,062	29.3	*	*	58,592	43.6	15.6	
South West	9.9	7.4	1,884	6.8	16	1,868	10,628	38.2	2.8	
West Midlands	20.7	15.6	3,902	14.2	*	*	26,194	46.6	7.0	
North West	16.9	12.8	3,394	12.3	61	3,334	18,180	43.7	4.9	
England	124.7	94.0	25,405	92.3	*	*	166,250	46.5	44.4	
Wales	*	*	*	*	*	*	*	*	*	
Scotland	3.9	2.9	1,207	4.4	89	1,118	6,675	55.2	1.8	
Great Britain	*	*	*	*	*	*	*	*	*	
Northern Ireland	*	*	*	*	*	*	*	*	*	
Unallocated (a) (f)			and feature at 1 trail links		altern chaestacha 1933 (n. 1972)	nden understen Stelle understen	196,768	the second s	52.5	
United Kingdom	132.6	100.0	27,537	100.0	-24	27,561	374,526	/	100.0	

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

(b) Average number employed (full and part-time; see table 7) during the year (including working proprietors).

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

(d) Acquisitions less disposals.

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 (e) net output was included in unallocated net output.

(f) Includes unallocated net output of establishments covering addresses in two or more regions.

Percentage analysis of twelve-month periods covered by	returns received from United King
persons, 1973 classified to the Precision chains and othe	r mechanical engineering industry.

Accoun	ting year ended	Percentage of total returns received
	-	per cent
1973	April (a)	4.0
	Мау	2.8
	June	4.0
	July	3.6
	August	4.6
	September	6.8
	October	3.5
	November	2.8
	December	36.3
1974	January	3.2
	February	3.0
	March (b)	25.4
		100.0

(a) From 6th April.

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

TABLE 7

Percentage analysis of employees, by full and part-time employment and sex, 1973 (a) General mechanical engineering industries, minimum list heading 349.

			All employees	A CONTRACTOR OF THE OWNER
	per cent	per cent	per cent	
Male	80	1	81	
Female	15	4	19	
	95	5	100	

The percentages relate to the numbers employed (excluding working proprietors) in the United Kingdom in minimum list heading 349 at mid-June, 1973. In the 1973 Census of Production the employment of the "Precision chains and other mechanical engineering" industry represented 80 per cent of the employment of minimum list heading 349 as a whole. (a)

ngdom establishments employing 20 or more

per cent	
2.7	
1.2	
2.7	
4.0	
4.0	
18.7	
6.1	
1.6	
30.2	
1.4	
1.6	
25.8	
100.0	

TABLE 8 (continued)

Rail Rol

Div

Tyre

Was Wo

Un

Sales of principal products of the Precision chains and other mechanical engineering industry by establishments employing 25 or more persons, including sales by establishments classified to other industries, 1973(a)

		Value
		£'000
Fransmission chains:		
Of steel Of iron		19,03
Precision chains other than transmission chains		the the second states
Cylinder liners and inserts:		
For motor vehicles]
For aircraft Other		\$ 4,50
ilters (excluding air filters for air conditioning equipment, v	water filters and filter presses):	
Dil:	2.00	
For hydraulic equipment other than for motor vehicles a	nd hydraulic equipment	3,19
Other		15,55
askets and jointings (including metallic packings)		15,79
ears (other than for motor vehicles including cycles and tra	ctors) and parts:	
Helical, spur and bevel gears Worm gears Other gears		9,09 3,62
Worm gears Other gears	hicles including cycle and tractors):	
Worm gears	hicles including cycle and tractors):	3,62
Worm gears Other gears ear boxes, new and reconditioned (other than for motor ve Helical, spur and bevel gear boxes: Industrial	hicles including cycle and tractors):	3,62 4,54 9,90
Worm gears Other gears ear boxes, new and reconditioned (other than for motor ve Helical, spur and bevel gear boxes: Industrial Marine Worm gear boxes	hicles including cycle and tractors):	3,62 4,54 9,90 70
Worm gears Other gears ear boxes, new and reconditioned (other than for motor ve Helical, spur and bevel gear boxes: Industrial Marine	hicles including cycle and tractors):	3,62 4,54 9,90 70 9,33 3,81
Worm gears Other gears ear boxes, new and reconditioned (other than for motor vel Helical, spur and bevel gear boxes: Industrial Marine Worm gear boxes Geared motor units	hicles including cycle and tractors):	3,62 4,54 9,90 70 9,33 3,81 4,56
Worm gears Other gears ear boxes, new and reconditioned (other than for motor ve Helical, spur and bevel gear boxes: Industrial Marine Worm gear boxes Geared motor units Other		3,62 4,54 9,90 70 9,33 3,81 4,56 2,72
Worm gears Other gears ear boxes, new and reconditioned (other than for motor vel Helical, spur and bevel gear boxes: Industrial Marine Worm gear boxes Geared motor units Other arts of gear boxes (excluding gears) ubricators and parts (other than for railway wagon etc. axle		3,62 4,54 9,90 70 9,33 3,81 4,56
Worm gears Other gears ear boxes, new and reconditioned (other than for motor vel Helical, spur and bevel gear boxes: Industrial Marine Worm gear boxes Geared motor units Other urts of gear boxes (excluding gears) ubricators and parts (other than for railway wagon etc. axle echanical power transmission plant: Complete		3,62 4,54 9,90 70 9,33 3,81 4,56 2,72
Worm gears Other gears ear boxes, new and reconditioned (other than for motor vel Helical, spur and bevel gear boxes: Industrial Marine Worm gear boxes Geared motor units Other arts of gear boxes (excluding gears) ubricators and parts (other than for railway wagon etc. axle echanical power transmission plant: Complete Parts		3,62 4,54 9,90 70 9,33 3,81 4,56 2,72 4,65
Worm gears Other gears ear boxes, new and reconditioned (other than for motor vel Helical, spur and bevel gear boxes: Industrial Marine Worm gear boxes Geared motor units Other urts of gear boxes (excluding gears) ubricators and parts (other than for railway wagon etc. axle echanical power transmission plant: Complete		3,62 4,54 9,90 70 9,33 3,81 4,56 2,72 4,65 7,69
Worm gears Other gears ear boxes, new and reconditioned (other than for motor vel Helical, spur and bevel gear boxes: Industrial Marine Worm gear boxes Geared motor units Other arts of gear boxes (excluding gears) ubricators and parts (other than for railway wagon etc. axle echanical power transmission plant: Complete Parts building boxes and parts thereof I fuel burners:		3,62 4,54 9,90 70 9,33 3,81 4,56 2,72 4,65 7,69 4,91
Worm gears Other gears ear boxes, new and reconditioned (other than for motor vel Helical, spur and bevel gear boxes: Industrial Marine Worm gear boxes Geared motor units Other arts of gear boxes (excluding gears) ubricators and parts (other than for railway wagon etc. axle echanical power transmission plant: Complete Parts pulding boxes and parts thereof		3,62 4,54 9,90 9,33 3,81 4,56 2,72 4,65 7,69 4,91 5 2,68
Worm gears Other gears ear boxes, new and reconditioned (other than for motor vel Helical, spur and bevel gear boxes: Industrial Marine Worm gear boxes Geared motor units Other urts of gear boxes (excluding gears) ubricators and parts (other than for railway wagon etc. axle echanical power transmission plant: Complete Parts building boxes and parts thereof I fuel burners: Domestic, up to and including 150,000 btu/h		3,62 4,54 9,90 70 9,33 3,81 4,56 2,72 4,65 7,69 4,91 5 2,68 8,98
Worm gears Other gears ear boxes, new and reconditioned (other than for motor vel Helical, spur and bevel gear boxes: Industrial Marine Worm gear boxes Geared motor units Other arts of gear boxes (excluding gears) ubricators and parts (other than for railway wagon etc. axle echanical power transmission plant: Complete Parts boulding boxes and parts thereof I fuel burners: Domestic, up to and including 150,000 btu/h Industrial, over 150,000 btu/h		3,62 4,54 9,90 9,33 3,81 4,56 2,72 4,65 7,69 4,91 5 2,68 8,98 3,81
Worm gears Other gears ear boxes, new and reconditioned (other than for motor ver Helical, spur and bevel gear boxes: Industrial Marine Worm gear boxes Geared motor units Other arts of gear boxes (excluding gears) ubricators and parts (other than for railway wagon etc. axle echanical power transmission plant: Complete Parts building boxes and parts thereof I fuel burners: Domestic, up to and including 150,000 btu/h Industrial, over 150,000 btu/h her burners (other than oil fuel) I seals		3,62 4,54 9,90 70 9,33 3,81 4,56 2,72 4,65 7,69 4,91 5 2,68 8,98
Worm gears Other gears ear boxes, new and reconditioned (other than for motor vel Helical, spur and bevel gear boxes: Industrial Marine Worm gear boxes Geared motor units Other arts of gear boxes (excluding gears) ubricators and parts (other than for railway wagon etc. axle echanical power transmission plant: Complete Parts building boxes and parts thereof I fuel burners: Domestic, up to and including 150,000 btu/h Industrial, over 150,000 btu/h her burners (other than oil fuel)		3,62 4,54 9,90 9,33 3,81 4,56 2,72 4,65 7,69 4,91 5 2,68 8,98 3,81
Worm gears Other gears ear boxes, new and reconditioned (other than for motor vel Helical, spur and bevel gear boxes: Industrial Marine Worm gear boxes Geared motor units Other arts of gear boxes (excluding gears) ubricators and parts (other than for railway wagon etc. axle echanical power transmission plant: Complete Parts oulding boxes and parts thereof I fuel burners: Domestic, up to and including 150,000 btu/h Industrial, over 150,000 btu/h her burners (other than oil fuel) I seals stons:		3,62 4,54 9,90 9,33 3,81 4,56 2,72 4,65 7,69 4,91 5 2,68 8,98 3,81
Worm gears Other gears ear boxes, new and reconditioned (other than for motor vel Helical, spur and bevel gear boxes: Industrial Marine Worm gear boxes Geared motor units Other arts of gear boxes (excluding gears) ubricators and parts (other than for railway wagon etc. axle echanical power transmission plant: Complete Parts building boxes and parts thereof I fuel burners: Domestic, up to and including 150,000 btu/h Industrial, over 150,000 btu/h her burners (other than oil fuel) I seals stons: For motor vehicles For aircraft		3,62 4,54 9,90 70 9,33 3,81 4,56 2,72 4,65 7,69 4,91 5 2,68 8,98 3,81 10,71
Worm gears Other gears ear boxes, new and reconditioned (other than for motor vel Helical, spur and bevel gear boxes: Industrial Marine Worm gear boxes Geared motor units Other arts of gear boxes (excluding gears) ubricators and parts (other than for railway wagon etc. axle echanical power transmission plant: Complete Parts boulding boxes and parts thereof I fuel burners: Domestic, up to and including 150,000 btu/h Industrial, over 150,000 btu/h her burners (other than oil fuel) I seals stons: For motor vehicles For aircraft Other		3,62 4,54 9,90 70 9,33 3,81 4,56 2,72 4,65 7,69 4,91 5 2,68 8,98 3,81 10,71

Produced in Wales by Her Majesty's Stationery Office Reprographic Unit, Cardiff Dd.496580 K6 Cdf 106 7/77

Iway and locomotive brake gear
Is of iron or steel:
For metal rolling mills:
Of cast iron
Of cast steel Of forged steel
For machinery other than metal working
ing equipment, including parts and accessories
e, inner tube and other similar valves for inflatable equipment
ste products
rk done:
Machinery, equipment and plant (other than marine machinery, complete process plant, constructional steelwork and heating, ventilating and air-conditioning plant) erected and installed:
Mechanical engineering Other
Repairs and jobbing work
Other work done (including jacquard card designing and cutting)
classified sales

Total sales of principal products of the Precision chains and other mechanical engineering industry (MLH 349.2) and work done

Sales are deliveries on sale for home or abroad; forward sales are excluded. Values are net selling values, value added tax (or purchase tax where previously applicable) trade discounts and commissions are (a) excluded.

PA349.2 13

Value

£'000 7,800

> 13,861 1,748 ..

> > 2,703

..

13,527 3,760 69,133 4,232 79,065

385,933

Source: Business Monitor (PQ349.2), Quarterly Statistics

Notes

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

GENERAL INFORMATION

Changes made for 1973

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

Capital goods purchased for establishments' own use (previously included with sales of goods produced etc.) Purchases of goods for merchanting or factoring (previously included with purchases of materials etc.) Payments for non-industrial services Licensing of motor vehicles

Rates, excluding water rates

Gross value added

Amounts paid to outworkers (where applicable) Employers' national insurance contributions etc.

Suppression of information relating to individual undertakings.

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

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

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

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

Symbols used

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

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

Rounding of figures

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

Industrial classification

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

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

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

News No. 13 May 1971.

their return. was apportioned among them. ments

THE REGISTER

The register permits a questionnaire to be sent direct to the reporting establishment on which the latter can include information relating to all the manufacturing (or local) units which it comprises. The inquiries provide a major source of information for keeping the register continuously up-to-date and act as a check on its detail and structure. For the establishments on the register which make returns to the quarterly inquiries, the industrial classification is derived from an analysis of their sales of commodities and is reviewed annually. Employment data is entered on the register from returns to the annual census of production. In cases where an establishment does not make a return to these inquiries the employment data is based on information provided by the Department of Employment from the annual censuses of employment. Establishments with 20 or more employees are included in the censuses each year and the information they supply to the

Efforts are made by the Business Statistics Office to ensure, by negotiating with respondents, that the return from an establishment does not cover local units on addresses in more than one of the countries of the United Kingdom.

Further information about the statistical unit appeared in an article "The statistical unit in business inquires" in Statistical

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

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

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

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

Coverage

A return was required in the 1973 Census from each establishment with 20 or more employees. Each establishment is classified to an industry, as defined in the SIC, whose principal products form the major part of the establishment's sales.

Regions

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

TERMS USED IN THE CENSUS REPORT

Average number employed

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

(a) administrative, technical and clerical employees

(b) all other employees (operatives)

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

Working proprietors

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

Employees

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

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

Capital expenditure

Capital expenditure during the year in respect of manufacturing units where production had not started before the end of the year is included in the figures for 1970 to 1973. Establishments were asked not to deduct from the value of capital expenditure amounts received or expected to be received in grants or allowances from the Government or any statutory body or local authority. Establishments with 100 or more employees were also asked to include a total net capital expenditure figure for the calendar year 1973.

(a) New building work

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

(b) Land and existing buildings

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

(c) Plant, machinery and vehicles

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

Gross output

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

Net output

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

Net output per head

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

Gross value added at factor cost

Gross value added at factor cost is calculated by deducting from net output the cost of non-industrial services (rent of buildings and capital equipment, commercial insurance premiums, bank charges and amounts paid for professional services, postal etc. services, transport, advertising etc.). This estimate of gross value added approaches more closely than census net output to the definition of net output or value added in national accounts statistics.

Gross value added at factor cost per head

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

Purchases

Purchases include the cost of materials and components bought for use in production; of fuel and electricity for all purposes; of packaging materials including the cost of returnable cases and containers when first purchased; of workshop materials; office materials and materials for repairs to establishment's own buildings, plant and vehicles when carried out by their own work people included in the returns; of consumable tools; and of parts for machinery purchased during the year as replacements. Water charges are also included. Purchases of goods for merchanting or factoring were collected separately for 1973. Materials supplied by customers for processing are excluded, as are all purchases charged to capital account. The values shown exclude value added tax but include any duty paid (less rebate etc.), values exclude trade discounts allowed. The cost of transport is included only if included in the cost of materials as invoiced; mounts paid to transport organisations, including an estabhment's own separate transport organisations for delivery of materials and fuel are, therefore, excluded. Materials purhased overseas are included at the c.i.f. cost plus any duty vable if the cost of transport from the docks are not included in the invoiced price, but at their full delivery cost if wojced "carriage paid home". Materials and fuel transferred from another department of the establishment not overed by the same return are included at the estimated elling value recorded by the other department.

Sales of goods produced, work done and industrial services

Sales for the purposes of the annual censuses means deiveries on sale of goods made by establishments in the United Kingdom covered by the inquiry. Sales of goods made for these establishments by outworkers or by estabishments from materials given out to them are included; as also are sales of waste products. Any new building work and nachinery or other capital items produced by establishments for hiring out or leasing are regarded as sales, the value included in the return being that adopted in the establishments' capital asset accounts. Forward sales and canteen takings are excluded. All sales in the period of the injury are included irrespective of when the goods were manufactured. Goods produced in one establishment and transferred either to ancillary departments not engaged in production and for which there are separate accounts, or to another estabshment of the same firm not covered by the return, are reated 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 ganisations, for which separate accounts are kept are alued on the same basis.

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

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

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

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

Goods merchanted or factored by the seller.

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

Wages and salaries These are amounts paid during the year to operatives and to administrative, technical and clerical employees. Payments to working proprietors, whether called salaries or not, are excluded. The values shown include all overtime payments, bonuses and commissions, whether paid regularly or not, and no deduction is made for income tax, insurances, contributory pensions, etc. The value of any payments in kind, travelling expenses, lodging allowances, etc. and employers' contributions to national insurances and pension schemes are excluded.

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

dependants are also included.

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

Employers' insurance and welfare contributions

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

© Crown copyright 1977

Her Majesty's Stationery Office

Government Bookshops

49 High Holborn, London WC1V 6HB 13a Castle Street, Edinburgh EH2 3AR 41 The Hayes, Cardiff CF1 1JW Brazennose Street, Manchester M60 8AS Southey House, Wine Street, Bristol BS1 2BQ 258 Broad Street, Birmingham B1 2HE 80 Chichester Street, Belfast BT1 4JY

Government publications are also available through booksellers