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Business Statistics Office

Business Monitor

Report on the Census of Production

Coke ovens and manufactured fuel



A publication of the Government Statistical Service

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Report on the **Census** of Production 1978

Coke ovens and manufactured fuel

PA261

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	Internet internet potos
and the second se	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
	Milk and milk products
PA215	
PA216	Sugar
PA217	Cocoa, chocolate and sugar confectionery
PA218	Fruit and vegetable products
PA219	Animal and poultry foods
PA221	Vegetable and animal oils and fats
PA229.1	Margarine
PA229.2	Starch and miscellaneous foods
PA231	Brewing and malting
PA232	Soft drinks
	Spirit distilling and compounding
PA239.1	
PA239.2	British wines, cider and perry
PA240	Tobacco
PA261	Coke ovens and manufactured fuel
PA262	Mineral oil refining
PA263	Lubricating oils and greases
PA271.1	Inorganic chemicals
PA271.2	Organic chemicals
PA271.3	Miscellaneous chemicals
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	Formulated pesticides, etc.
PA279.5	Printing ink
PA279.6	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
PA333.1	Pumps
PA333.2	Valves
PA333.3	Compressors and fluid power equipment
PA334	Industrial engines
PA335	Textile machinery and accessories
PA336	
PA337	Construction and earth-moving equipment
14007	
	Construction and earth-moving equipment
PA338	Construction and earth-moving equipment Mechanical handling equipment Office machinery
PA338 PA339.1	Construction and earth-moving equipment Mechanical handling equipment Office machinery Mining machinery
PA338 PA339.1 PA339.2	Construction and earth-moving equipment Mechanical handling equipment Office machinery Mining machinery Printing, bookbinding and paper goods machinery
PA338 PA339.1	Construction and earth-moving equipment Mechanical handling equipment Office machinery Mining machinery Printing, bookbinding and paper goods machinery Refrigerating machinery, space-heating,
PA338 PA339.1 PA339.2 PA339.3	Construction and earth-moving equipment Mechanical handling equipment Office machinery Mining machinery Printing, bookbinding and paper goods machinery Refrigerating machinery, space-heating, ventilating and air-conditioning equipment
PA338 PA339.1 PA339.2	Construction and earth-moving equipment Mechanical handling equipment Office machinery Mining machinery Printing, bookbinding and paper goods machinery Refrigerating machinery, space-heating, ventilating and air-conditioning equipment Scales and weighing machinery and portable
PA338 PA339.1 PA339.2 PA339.3	Construction and earth-moving equipment Mechanical handling equipment Office machinery Mining machinery Printing, bookbinding and paper goods machinery Refrigerating machinery, space-heating, ventilating and air-conditioning equipment
PA338 PA339.1 PA339.2 PA339.3 PA339.5	Construction and earth-moving equipment Mechanical handling equipment Office machinery Mining machinery Printing, bookbinding and paper goods machinery Refrigerating machinery, space-heating, ventilating and air-conditioning equipment Scales and weighing machinery and portable power tools
PA338 PA339.1 PA339.2 PA339.3	Construction and earth-moving equipment Mechanical handling equipment Office machinery Printing, bookbinding and paper goods machinery Refrigerating machinery, space-heating, ventilating and air-conditioning equipment Scales and weighing machinery and portable power tools Food and drink processing machinery and
PA338 PA339.1 PA339.2 PA339.3 PA339.5 PA339.7	Construction and earth-moving equipment Mechanical handling equipment Office machinery Printing, bookbinding and paper goods machinery Refrigerating machinery, space-heating, ventilating and air-conditioning equipment Scales and weighing machinery and portable power tools Food and drink processing machinery and packaging and bottling machinery
PA338 PA339.1 PA339.2 PA339.3 PA339.5 PA339.7 PA339.9	Construction and earth-moving equipment Mechanical handling equipment Office machinery Mining machinery Printing, bookbinding and paper goods machinery Refrigerating machinery, space-heating, ventilating and air-conditioning equipment Scales and weighing machinery and portable power tools Food and drink processing machinery and packaging and bottling machinery Miscellaneous (non-electrical) machinery
PA338 PA339.1 PA339.2 PA339.3 PA339.5 PA339.7 PA339.9 PA341	Construction and earth-moving equipment Mechanical handling equipment Office machinery Mining machinery Printing, bookbinding and paper goods machinery Refrigerating machinery, space-heating, ventilating and air-conditioning equipment Scales and weighing machinery and portable power tools Food and drink processing machinery and packaging and bottling machinery Miscellaneous (non-electrical) machinery Industrial (including process) plant and steelwork
PA338 PA339.1 PA339.2 PA339.3 PA339.5 PA339.7 PA339.9	Construction and earth-moving equipment Mechanical handling equipment Office machinery Mining machinery Printing, bookbinding and paper goods machinery Refrigerating machinery, space-heating, ventilating and air-conditioning equipment Scales and weighing machinery and portable power tools Food and drink processing machinery and packaging and bottling machinery Miscellaneous (non-electrical) machinery
PA338 PA339.1 PA339.2 PA339.3 PA339.5 PA339.7 PA339.9 PA341 PA342	Construction and earth-moving equipment Mechanical handling equipment Office machinery Printing, bookbinding and paper goods machinery Refrigerating machinery, space-heating, ventilating and air-conditioning equipment Scales and weighing machinery and portable power tools Food and drink processing machinery and packaging and bottling machinery Miscellaneous (non-electrical) machinery Industrial (including process) plant and steelwork Ordnance and small arms
PA338 PA339.1 PA339.2 PA339.3 PA339.5 PA339.7 PA339.9 PA341 PA342 PA349.1	Construction and earth-moving equipment Mechanical handling equipment Office machinery Printing, bookbinding and paper goods machinery Refrigerating machinery, space-heating, ventilating and air-conditioning equipment Scales and weighing machinery and portable power tools Food and drink processing machinery and packaging and bottling machinery Miscellaneous (non-electrical) machinery Industrial (including process) plant and steelwork Ordnance and small arms Ball, roller, plain and other bearings
PA338 PA339.1 PA339.2 PA339.3 PA339.5 PA339.7 PA339.7 PA339.9 PA341 PA342 PA349.1 PA349.2	Construction and earth-moving equipment Mechanical handling equipment Office machinery Printing, bookbinding and paper goods machinery Refrigerating machinery, space-heating, ventilating and air-conditioning equipment Scales and weighing machinery and portable power tools Food and drink processing machinery and packaging and bottling machinery Miscellaneous (non-electrical) machinery Industrial (including process) plant and steelwork Ordnance and small arms Ball, roller, plain and other bearings Precision chains and other mechanical engineering
PA338 PA339.1 PA339.2 PA339.3 PA339.5 PA339.7 PA339.7 PA339.9 PA341 PA342 PA349.1 PA349.2 PA351	Construction and earth-moving equipment Mechanical handling equipment Office machinery Printing, bookbinding and paper goods machinery Refrigerating machinery, space-heating, ventilating and air-conditioning equipment Scales and weighing machinery and portable power tools Food and drink processing machinery and packaging and bottling machinery Miscellaneous (non-electrical) machinery Industrial (including process) plant and steelwork Ordnance and small arms Ball, roller, plain and other bearings Precision chains and other mechanical engineering Photographic and document copying equipment
PA338 PA339.1 PA339.2 PA339.3 PA339.5 PA339.7 PA339.7 PA339.9 PA341 PA342 PA341 PA342 PA3451 PA352	Construction and earth-moving equipment Mechanical handling equipment Office machinery Printing, bookbinding and paper goods machinery Refrigerating machinery, space-heating, ventilating and air-conditioning equipment Scales and weighing machinery and portable power tools Food and drink processing machinery and packaging and bottling machinery Miscellaneous (non-electrical) machinery Industrial (including process) plant and steelwork Ordnance and small arms Ball, roller, plain and other bearings Precision chains and other mechanical engineering Photographic and document copying equipment Watches and clocks
PA338 PA339.1 PA339.2 PA339.3 PA339.5 PA339.7 PA339.7 PA339.7 PA339.7 PA339.9 PA341 PA342 PA349.1 PA349.2 PA351 PA352 PA353	Construction and earth-moving equipment Mechanical handling equipment Office machinery Mining machinery Printing, bookbinding and paper goods machinery Refrigerating machinery, space-heating, ventilating and air-conditioning equipment Scales and weighing machinery and portable power tools Food and drink processing machinery and packaging and bottling machinery Miscellaneous (non-electrical) machinery Industrial (including process) plant and steelwork Ordnance and small arms Ball, roller, plain and other bearings Precision chains and other mechanical engineering Photographic and document copying equipment Watches and clocks Surgical instruments and appliances
PA338 PA339.1 PA339.2 PA339.3 PA339.5 PA339.7 PA339.7 PA339.9 PA341 PA342 PA341 PA342 PA3451 PA352	Construction and earth-moving equipment Mechanical handling equipment Office machinery Printing, bookbinding and paper goods machinery Refrigerating machinery, space-heating, ventilating and air-conditioning equipment Scales and weighing machinery and portable power tools Food and drink processing machinery and packaging and bottling machinery Miscellaneous (non-electrical) machinery Industrial (including process) plant and steelwork Ordnance and small arms Ball, roller, plain and other bearings Precision chains and other mechanical engineering Photographic and document copying equipment Watches and clocks
PA338 PA339.1 PA339.2 PA339.3 PA339.5 PA339.7 PA339.7 PA339.7 PA339.9 PA341 PA342 PA341 PA349.1 PA352 PA353 PA354	Construction and earth-moving equipment Mechanical handling equipment Office machinery Printing, bookbinding and paper goods machinery Refrigerating machinery, space-heating, ventilating and air-conditioning equipment Scales and weighing machinery and portable power tools Food and drink processing machinery and packaging and bottling machinery Miscellaneous (non-electrical) machinery Industrial (including process) plant and steelwork Ordnance and small arms Ball, roller, plain and other bearings Precision chains and other mechanical engineering Photographic and document copying equipment Watches and clocks Surgical instruments and appliances Scientific and industrial instruments and systems
PA338 PA339.1 PA339.2 PA339.3 PA339.5 PA339.7 PA339.7 PA339.7 PA339.9 PA341 PA342 PA341 PA342 PA351 PA352 PA353 PA354 PA361	Construction and earth-moving equipment Mechanical handling equipment Office machinery Printing, bookbinding and paper goods machinery Refrigerating machinery, space-heating, ventilating and air-conditioning equipment Scales and weighing machinery and portable power tools Food and drink processing machinery and packaging and bottling machinery Miscellaneous (non-electrical) machinery Industrial (including process) plant and steelwork Ordnance and small arms Ball, roller, plain and other bearings Precision chains and other mechanical engineering Photographic and document copying equipment Watches and clocks Surgical instruments and appliances Scientific and industrial instruments and systems Electrical machinery
PA338 PA339.1 PA339.2 PA339.3 PA339.5 PA339.7 PA339.7 PA339.9 PA341 PA349.2 PA349.1 PA349.2 PA351 PA352 PA353 PA354 PA361 PA362	Construction and earth-moving equipment Mechanical handling equipment Office machinery Printing, bookbinding and paper goods machinery Refrigerating machinery, space-heating, ventilating and air-conditioning equipment Scales and weighing machinery and portable power tools Food and drink processing machinery and packaging and bottling machinery Miscellaneous (non-electrical) machinery Industrial (including process) plant and steelwork Ordnance and small arms Ball, roller, plain and other bearings Precision chains and other mechanical engineering Photographic and document copying equipment Watches and clocks Surgical instruments and appliances Scientific and industrial instruments and systems Electrical machinery Insulated wires and cables
PA338 PA339.1 PA339.2 PA339.3 PA339.5 PA339.7 PA339.7 PA339.7 PA339.9 PA341 PA342 PA341 PA342 PA351 PA352 PA353 PA354 PA361	Construction and earth-moving equipment Mechanical handling equipment Office machinery Printing, bookbinding and paper goods machinery Refrigerating machinery, space-heating, ventilating and air-conditioning equipment Scales and weighing machinery and portable power tools Food and drink processing machinery and packaging and bottling machinery Miscellaneous (non-electrical) machinery Industrial (including process) plant and steelwork Ordnance and small arms Ball, roller, plain and other bearings Precision chains and other mechanical engineering Photographic and document copying equipment Watches and clocks Surgical instruments and appliances Scientific and industrial instruments and systems Electrical machinery Insulated wires and cables Telegraph and telephone apparatus and
PA338 PA339.1 PA339.2 PA339.3 PA339.5 PA339.7 PA339.7 PA339.7 PA339.7 PA349.1 PA342 PA349.1 PA349.2 PA351 PA352 PA353 PA354 PA361 PA362 PA363	Construction and earth-moving equipment Mechanical handling equipment Office machinery Printing, bookbinding and paper goods machinery Refrigerating machinery, space-heating, ventilating and air-conditioning equipment Scales and weighing machinery and portable power tools Food and drink processing machinery and packaging and bottling machinery Miscellaneous (non-electrical) machinery Industrial (including process) plant and steelwork Ordnance and small arms Ball, roller, plain and other bearings Precision chains and other mechanical engineering Photographic and document copying equipment Watches and clocks Scientific and industrial instruments and systems Electrical machinery Insulated wires and cables Telegraph and telephone apparatus and equipment
PA338 PA339.1 PA339.2 PA339.3 PA339.5 PA339.7 PA339.7 PA339.9 PA341 PA349.2 PA349.1 PA349.2 PA351 PA352 PA353 PA354 PA361 PA362	Construction and earth-moving equipment Mechanical handling equipment Office machinery Printing, bookbinding and paper goods machinery Refrigerating machinery, space-heating, ventilating and air-conditioning equipment Scales and weighing machinery and portable power tools Food and drink processing machinery and packaging and bottling machinery Miscellaneous (non-electrical) machinery Industrial (including process) plant and steelwork Ordnance and small arms Ball, roller, plain and other bearings Precision chains and other mechanical engineering Photographic and document copying equipment Watches and clocks Surgical instruments and appliances Scientific and industrial instruments and systems Electrical machinery Insulated wires and cables Telegraph and telephone apparatus and equipment Radio and electronic components
PA338 PA339.1 PA339.2 PA339.3 PA339.5 PA339.7 PA339.7 PA339.7 PA339.7 PA349.1 PA342 PA349.1 PA349.2 PA351 PA352 PA353 PA354 PA361 PA362 PA363	Construction and earth-moving equipment Mechanical handling equipment Office machinery Printing, bookbinding and paper goods machinery Refrigerating machinery, space-heating, ventilating and air-conditioning equipment Scales and weighing machinery and portable power tools Food and drink processing machinery and packaging and bottling machinery Miscellaneous (non-electrical) machinery Industrial (including process) plant and steelwork Ordnance and small arms Ball, roller, plain and other bearings Precision chains and other mechanical engineering Photographic and document copying equipment Watches and clocks Surgical instruments and appliances Scientific and industrial instruments and systems Electrical machinery Insulated wires and cables Telegraph and telephone apparatus and equipment Radio and electronic components
PA338 PA339.1 PA339.2 PA339.3 PA339.5 PA339.7 PA339.7 PA339.9 PA341 PA349.1 PA349.2 PA351 PA352 PA353 PA354 PA361 PA362 PA363 PA364 PA365.1	Construction and earth-moving equipment Mechanical handling equipment Office machinery Printing, bookbinding and paper goods machinery Refrigerating machinery, space-heating, ventilating and air-conditioning equipment Scales and weighing machinery and portable power tools Food and drink processing machinery and packaging and bottling machinery Miscellaneous (non-electrical) machinery Industrial (including process) plant and steelwork Ordnance and small arms Ball, roller, plain and other bearings Precision chains and other bearings Precision chains and other mechanical engineering Photographic and document copying equipment Watches and clocks Surgical instruments and appliances Scientific and industrial instruments and systems Electrical machinery Insulated wires and cables Telegraph and telephone apparatus and equipment Radio and electronic components Gramophone records and tape recordings
PA338 PA339.1 PA339.2 PA339.3 PA339.5 PA339.7 PA339.9 PA341 PA342 PA349.1 PA349.2 PA351 PA352 PA353 PA354 PA363 PA364	Construction and earth-moving equipment Mechanical handling equipment Office machinery Printing, bookbinding and paper goods machinery Refrigerating machinery, space-heating, ventilating and air-conditioning equipment Scales and weighing machinery and portable power tools Food and drink processing machinery and packaging and bottling machinery Industrial (including process) plant and steelwork Ordnance and small arms Ball, roller, plain and other bearings Precision chains and other mechanical engineering Photographic and document copying equipment Watches and clocks Surgical instruments and appliances Scientific and industrial instruments and systems Electrical machinery Insulated wires and cables Telegraph and telephone apparatus and equipment Radio and electronic components Gramophone records and tape recordings Broadcast receiving and sound reproducing
PA338 PA339.1 PA339.2 PA339.3 PA339.5 PA339.7 PA339.7 PA339.7 PA339.7 PA339.7 PA340.1 PA342 PA341 PA342 PA351 PA352 PA353 PA354 PA361 PA362 PA363 PA364 PA365.1 PA365.2	Construction and earth-moving equipment Mechanical handling equipment Office machinery Printing, bookbinding and paper goods machinery Refrigerating machinery, space-heating, ventilating and air-conditioning equipment Scales and weighing machinery and portable power tools Food and drink processing machinery and packaging and bottling machinery Miscellaneous (non-electrical) machinery Industrial (including process) plant and steelwork Ordnance and small arms Ball, roller, plain and other bearings Precision chains and other mechanical engineering Photographic and document copying equipment Watches and clocks Surgical instruments and appliances Scientific and industrial instruments and systems Electrical machinery Insulated wires and cables Telegraph and telephone apparatus and equipment Radio and electronic components Gramophone records and tape recordings Broadcast receiving and sound reproducing equipment
PA338 PA339.1 PA339.2 PA339.3 PA339.5 PA339.7 PA339.9 PA341 PA342 PA349.1 PA342 PA349.1 PA342 PA351 PA352 PA353 PA354 PA363 PA364 PA365.1 PA365.2 PA366	Construction and earth-moving equipment Mechanical handling equipment Office machinery Printing, bookbinding and paper goods machinery Refrigerating machinery, space-heating, ventilating and air-conditioning equipment Scales and weighing machinery and portable power tools Food and drink processing machinery and packaging and bottling machinery Miscellaneous (non-electrical) machinery Industrial (including process) plant and steelwork Ordnance and small arms Ball, roller, plain and other bearings Precision chains and other mechanical engineering Photographic and document copying equipment Watches and clocks Surgical instruments and appliances Scientific and industrial instruments and systems Electrical machinery Insulated wires and cables Telegraph and telephone apparatus and equipment Radio and electronic components Gramophone records and tape recordings Broadcast receiving and sound reproducing equipment Electronic computers
PA338 PA339.1 PA339.2 PA339.3 PA339.5 PA339.7 PA339.7 PA339.7 PA339.7 PA339.7 PA340.1 PA342 PA341 PA342 PA351 PA352 PA353 PA354 PA361 PA362 PA363 PA364 PA365.1 PA365.2	Construction and earth-moving equipment Mechanical handling equipment Office machinery Printing, bookbinding and paper goods machinery Refrigerating machinery, space-heating, ventilating and air-conditioning equipment Scales and weighing machinery and portable power tools Food and drink processing machinery and packaging and bottling machinery Miscellaneous (non-electrical) machinery Industrial (including process) plant and steelwork Ordnance and small arms Ball, roller, plain and other bearings Precision chains and other mechanical engineering Photographic and document copying equipment Watches and clocks Surgical instruments and appliances Scientific and industrial instruments and systems Electrical machinery Insulated wires and cables Telegraph and telephone apparatus and equipment Radio and electronic components Gramophone records and tape recordings Broadcast receiving and sound reproducing equipment
PA338 PA339.1 PA339.2 PA339.3 PA339.5 PA339.7 PA339.9 PA341 PA342 PA349.1 PA342 PA349.1 PA342 PA351 PA352 PA353 PA354 PA363 PA364 PA365.1 PA365.2 PA366	Construction and earth-moving equipment Mechanical handling equipment Office machinery Printing, bookbinding and paper goods machinery Refrigerating machinery, space-heating, ventilating and air-conditioning equipment Scales and weighing machinery and portable power tools Food and drink processing machinery and packaging and bottling machinery Miscellaneous (non-electrical) machinery Industrial (including process) plant and steelwork Ordnance and small arms Ball, roller, plain and other bearings Precision chains and other mechanical engineering Photographic and document copying equipment Watches and clocks Surgical instruments and appliances Scientific and industrial instruments and systems Electrical machinery Insulated wires and cables Telegraph and telephone apparatus and equipment Radio and electronic components Gramophone records and tape recordings Broadcast receiving and sound reproducing equipment Electronic computers
PA338 PA339.1 PA339.2 PA339.3 PA339.5 PA339.7 PA339.7 PA339.9 PA341 PA349.1 PA349.2 PA351 PA352 PA353 PA354 PA363 PA364 PA365.1 PA365.2 PA366 PA367	Construction and earth-moving equipment Mechanical handling equipment Office machinery Printing, bookbinding and paper goods machinery Refrigerating machinery, space-heating, ventilating and air-conditioning equipment Scales and weighing machinery and portable power tools Food and drink processing machinery and packaging and bottling machinery Miscellaneous (non-electrical) machinery Industrial (including process) plant and steelwork Ordnance and small arms Ball, roller, plain and other bearings Precision chains and other bearings Precision chains and other mechanical engineering Photographic and document copying equipment Watches and clocks Surgical instruments and appliances Scientific and industrial instruments and systems Electrical machinery Insulated wires and cables Telegraph and telephone apparatus and equipment Radio and electronic components Gramophone records and tape recordings Broadcast receiving and sound reproducing equipment Electronic computers Radio, radar and electronic capital goods

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

PA261 COKE OVENS AND MANUFACTURED FUEL

The information in this report relates to establishments classified to the Coke ovens and manufactured fuel industry, minimum list heading 261 in the Standard Industrial Classification (revised 1968). The activities of the industry include: --

The production of hard coke and associated by-products by coke ovens and the production of low temperature coke and other manufactured solid fuels whether carbonised or not. Coke ovens forming part of the Gas industry are included in the Gas report (part PA601).

Some units engaged in the activities of this industry are included in the returns of multi-unit establishments classified mainly to the Iron and steel (General) Industry (MLH311, Census report part PA311). Care must be taken in making comparisons between information in this report and quantitive statistics published elsewhere.

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			in mind the note	es and definitions wh	nich commend	e on page
ST OF CONT						
ST OF CONT	ENIS					
230,062						
Table No	Title					
1	Outout	and costs, 197	4-1978			
2		expenditure, 1				
3						
			ogress, 1974–19			
4	Analys	is of establishm	ents by size, 197	8 manage no eddaria		
5		al distribution of cost, 1978	of employment,	net capital expendit	ure, net outpu	t and gro -
6		tage analysis of om establishmer		eriods covered by ret	turns received	from Uni
7	Percen	tage analysis of	employees, by f	ull and part-time em	ployment and	sex, 197

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

1

8 Operating ratios, 1977-1978

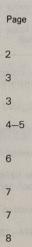
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TABLE 1

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

and the second second date	Unit	1974	1975	1976	1977	1978
Enterprises	Number	15	14	15	16	15
Establishments	nimotodos a	46	43	44	40	38
Sales of goods produced, work done and industrial services rendered and ales of goods merchanted or factored	£ thousand	302,968	299,775	370,505	370,408	418,336
apital goods produced for establish- nents' own use	"	305	(b)	644	586	506
Ion-industrial services rendered	Had of tell	171	159	224	89	111
Total sales and work done	, (30) apport act at	303,443	299,934	371,373	371,084	418,953
ncrease during the year, work in rogress and goods on hand for sale	"	-15,117	50,835	40,444	31,627	-7,500
Gross output	"	288,326	350,769	411,817	402,711	411,453
Purchases of materials for use in pro- luction, and packaging and fuel and burchases of goods for merchanting or factoring (c)	"	210,884	281,270	319,515	301,493	303,112
ncrease during the year, stocks of naterials, stores and fuel	"	13,211	11,097	1,508	-2,019	5,246
Cost of industrial services received	"	3,274	4,404	5,528	5,746	6,874
Net output	"	87,379	76,192	88,282	93,453	106,714
otal employment (d)	Thousands	11.0	11.4	10.6	10.2	9.5
Net output per head	£	7,914	6,683	8,351	9,168	11,257
ayments for non-industrial services						
Hire of vehicles, plant and machinery (e)	£ thousand	1,488	1,575	1,683	1,570	2,241
Rents of industrial and commercial buildings	"	(e)	(e)	125	184	93
Commercial insurance premiums	"	203	347	698	724	826
Bank charges	"	3	6	(f)	(f)	(f)
Other non-industrial services (g)	"	6,977	6,622	7,864	9,327	10,795
icensing of motor vehicles	"	2	2	3	5	8
Rates, excluding water rates	"	2,169	2,465	2,411	2,616	2,688
Gross value added at factor cost	"	75,538	65,175	75,498	79,027	90,062
Gross value added at factor cost per head	£	6,932	5,717	7,142	7,753	9,500
						and the second second

(a) Including estimates for establishments not making satisfactory returns, non-response and establishments not selected for the Census. Satisfactory returns accounted for 99 per cent of employment within the industry.

(b) Included in sales of goods produced, work done and industrial services rendered and goods merchanted or factored.

(c) Including excise duty payable on materials less allowances receivable on materials exported etc.

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

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

2

(f) Included with commercial insurance premiums.

(g) 1974-1976 figures include the cost of hiring goods vehicles.

TABLE 2

PA261

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

Contraction of the second	1974	1975	1976	olares .
Land and buildings			Territor Com	
New building work	281	190	1,191	
Land and existing buildings				
Acquisitions	12	t warnul	28	
Disposals	1	-	6	
Vehicles				
Acquisitions	36	152	116	
Disposals	13	35	31	
Plant and machinery				
Acquisitions	3,326	9,216	9,511	
Disposals	235	14	16	
Total net capital expendite	ure 3,407	9,510	10,794	

(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.

TABLE 3

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

	1974	1975	1976	1977
	34,157 347,334,396	11,25:293.7	Increase	054(3)(1)
Materials, stores and fuel	13,211	11,097	1,508	-2,019
Work in progress	263	139	158	123
Goods on hand for sale	-15,380	50,696	40,287	31,504
Total	-1,905	61,932	41,952	29,608

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

PA261

	and the second second	£ thousand
1977	1978	
100	ennes erants	an an airtí
948	859	
120	67	
12	-	
208	425	
22	17	
7,170	10,021	
52	23	
8,360	11,332	and the second second

	£ thousand
	1978
87.73.430	Value at end of year
5.040	
5,246	39,002
92	an the sum of the
-7,592	•
-2,254	163,538

TABLE 4

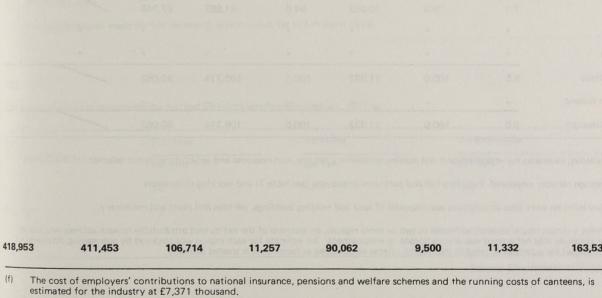
PA261

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

Size group		Estab- lish-	Enter- prises	Employmer	nt		Wages and sal	aries (f)		
(b)		ments	(c)							
				Total (d)	Opera- tives	Others (e)	Operatives		Others (e)	
					000		Total	per head	Total	per head
	18	Number	Number	Number	Number	Number	£ thousand	£	£ thousand	£
1—10		6	6	37)						
11—19		3	3	42)	313	92	1,216	3,885	415	4,511
20—99		6	5	327)						
00–199		3	3	456	342	114	1,392	4,070	649	5,693
200—299		6	3	1,572	1,385	187	6,268	4,526	959	5,128
300 and over		14	3	7,046	5,747	1,299	25,281	4,399	7,065	5,439

Total 38 15	9,480	7,787	1,692	34,157	4,386 9,08	5,371

Total sales and work done (g)	Gross output	Net output	Kape of 1038 ¹ (ato)	Gross value added at factor cost	
		Total	per head	Total	per head
£ thousand	£ thousand	£ thousand	£	£ thousand	£
23,439	19,554	5,761	14,190	(j)	(j)
30,835	31,076	11,467	25,148	15,529(j)	18,015(j
62,368	64,678	12,940	8,232	10,544	6,707
302,310	296,144	76,544	10,863	63,989	9,082



(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.

The sum of the figures for the size groups may exceed the total for the industry because some enterprises control establishments in (c) more than one size group.

4

(d) Including working proprietors.

(e) Administrative, technical and clerical employees. (g) Sales of goods produced, capital goods manufactured and buildings constructed by establishments for their own use, work done, industrial and non-industrial services rendered and merchanted goods.

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

Gross value added data relate to establishments employing 1-199.

Net capital expenditure (h)

Total stocks and work in progress at end of year

£ thousand

£ thousand

2,979

324

15(j)

3,106 1,009 6,452 33,331 124,122 3,547

11,332

163,538

TABLE 5

PA261

TABLE 6

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 employmen	t (b)	Net capital expenditure (Net capital expenditure (c)		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 in the region as a proportion of total gross value added at factor cost in the region
And an art of the second		per cent of United Kingdom	£ thousand	per cent of United Kingdom	£ thousand	£ thousand	percentage
Standard regions of England							
North	*	*	*	*	*	*	*
Yorkshire and Humberside	3.4	35.4	3,797	33.5	41,918	37,072	100.0
East Midlands	1.3	14.0	448	4.0	16,800	13,849	100.0
East Anglia	<u>(1.5</u> 5)	51 <u>-</u> 13 -44	5 <u>0</u> 90,82	10.665, 40	2020 - 2000		P#6892
South East	*	*	*	*	*	*	*
South West	_	-	-	-	-	-	-
West Midlands	*	*	*	*	*	*	*
North West		_	-	_		_	-
England	7.1	75.3	10,652	94.0	81,867	67,748	/
Wales	*	*	¥	*	*	*	*
Scotland	*	*	*	*	*	*	*
Great Britain	9.5	100.0	11,332	100.0	106,714	90,062	/
Northern Ireland	_	-	-	-	-	-	_
United Kingdom	9.5	100.0	11,332	100.0	106,714	90,062	/

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

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

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

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. (d)

6

Accounting year ended	Percentage o	f total returns received	Percentage of total number emplo	yed
Condensation Bost	per cent	All and the second second	per cent	and the state
978 April (a)	<u> -</u>			
Мау	ge wordt Jantier Britchier Ines of the Europetin-Error		naniar a <u>-</u> nanana, anana ani akena kena k	
June	ar consists in strain real			
	a share A can yarda		energi da base sale la casa da	
July August	3.6		0.3	
September	una to individua_indiana		e Business Status in Children and Anna	
September				
October	nendrum cucreminger_of in a		en an actoration of grass value added	
November	ortange is as to moved		international and an and a second	
December	17.9		17.6	
979 January	and the second s		terre tres en anjek na sa sa araza terren 🗕	
February	e on current suituiter pointers		els has resimiliar there are not sen	
March (b)	78.6		82.1	
ade the transie into exerci-				
	the contributor concerns,		head are even and the second	
a) From 6th April.	general When it was established	d 1st to Eth April 1070		
b) Including returns made for the second se second second sec	or twelve-month period ende	a 1st to 5th April 1979.		
ABLE 7				
Percentage analysis of employee	es, by full and part-time emp	loyment and sex, 1977(a)		
ex	Full-time	Part-time	All employees	
<u> </u>	per cent	per cent	per cent	
fale	96	the restings	96	
Female	3	1	4	
the second second way to	t weeks where eaching all			

	June	ner consister in att an onesetter Without and an att an of the set	atomin, which is not the
	July	was selected. A new dependent on Included for 1978 The Tolewalk	to causer the combined a
	August	3.6	0.3
7	September	taring to individual undertaining his of Thido Ace 7047 states	napit the part in marching
	October	name relation to one public of turacoma proteiges of the out	Control Kinedones Essective en de autor a Statistica en actualistica
	November	a manak is is to nover any	- transport seaming open in
	December	17.9	17.
1979	January	neideling, as that case never he, but went the classicalization are joka	armanna marian katan
	February	and provide and a set of the contractions	accordan of the on Claire
	March (b)	78.6	82.
-			

	the desired of the second	
Sex	Full-time	Part-time
	per cent	per cent
Male	96	- and second contents the
Female	3	1

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

7

Operating ratios, 1977–1978

All United Kingdom establishments classified to the industry (a)

		Unit	. 1977	1978
Gross output per head		£.	39,509	43,402
Net output per head		£	9,168	11,257
Gross value added per head		£	7,753	0.500
		1 HIGHERING	7,755	9,500
Gross value added as a percentage of gross output		%	20	22
Ratio of gross output to stocks			2.4	2.5
Nages and salaries as a percentage of gross value added		%	50	48
Ratio of operatives to administrative, technical and clerical mployees			5.1	4.6
Vages and salaries per administrative, technical and clerical mployee		£	4,338	5,371
Vages and salaries per operative		£	3,783	4,386
Net capital expenditure per head		£	820	1,195
Net capital expenditure as a percentage of gross value added	I	%	11	13

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

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PA261

se notes give the main information needed for interpreting figures in the industry Business Monitors: more detailed rmation about the census is given in a separate Business nitor PA 1001 (Introductory Notes) of the Report on the sus of Production, 1978.

ERAL INFORMATION

nges made for 1978

he Census for 1978 is in line with similar inquiries being ducted in other member countries of the European Economic munities

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

ression of information relating to individual undertakings on 9(5)(b) of the Statistics of Trade Act 1947 states following provisions shall have effect with respect to any rt summary or other communication to the public of mation obtained under the foregoing provisions of this Act n compiling any such report, summary or communication the ompetent authority shall so arrange it as to prevent any articulars published therein from being identified as being articulars relating to any individual person or undertaking xcept with the previous consent in writing of that person or the erson carrying on that undertaking, as the case may be; but his provision shall not prevent the disclosure of the total mantity or value of any articles produced, sold or delivered; so, owever, that before disclosing any such total the competent uthority shall have regard to any representations made to hem by any person who alleges that the disclosure thereof would enable particulars relating to him or to an undertaking arried on by him to be deduced from the total disclosed". figure involved disclosure the contributor concerned was imes asked to give permission for its publication. In the rity of cases permission was given. When it was refused and re contributors were not approached the figure has been ressed, either by combining it with other figures, or as in the al tables, by omitting the figure altogether.

hols used

e following symbols are used throughout the PA series of ness Monitors:

not available

il or less than half the final digit shown igures cannot be shown owing to the risk of disclosing nformation about individual enterprises. evised

nding of figures

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

strial classification

United Kingdom Standard Industrial Classification (SIC) was issued in 1948 and was subsequently revised in 1958 and 8. It exists to promote uniformity and comparability in the cial statistics of the United Kingdom. The general principles ved are those of the International Standard Industrial sification of all Economic Activities of the United Nations istical Office but the United Kingdom SIC reflects the isation and structure of industry and trade as it exists in the ed Kingdom. The SIC is a classification by activity and is a commodity classification. However, an index of all commodity ings for which sales data are provided in the Quarterly Business itors, is published in Business Monitor PQ 1000.

istical units

statistical unit for the purpose of the Census is the establishment ch is defined in the SIC as the smallest unit which can provide 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

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

United Kingdom.

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

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 small sample (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

Average number employed

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

administrative, technical and clerical employees (a)

all other employees (operatives) (b)

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

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 eq 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 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

tomers, and of food, etc for any canteen covered by the ablishment's return. Transfers of goods to the establishment m another department of the same firm not covered by the ablishment's return are included at a cost corresponding to the mated selling value recorded by the other department. Amounts vable to transport firms or credited to the firm's own transport artment for delivery of materials are excluded, as are all chases of machinery and plant charged to capital account. hases of goods for merchanting or factoring have been acted separately since 1973. The values shown exclude VAT. v include, in addition to the actual purchase price, the value packaging material charged to the establishment. The value of ned goods or packaging material returned to suppliers and any discounts are excluded. Materials purchased duty-paid are ded at their duty-paid value, less any drawback, rebate, etc. cost of transport is included only if it is included with the hase price in the firm's accounts. Imported goods are included heir full delivered cost. If in the firm's accounts the transport ndocks or airport is not included in the cost of goods purchased, cost is entered at cif plus duty (if applicable). Leasing, ing and hire purchase charges are excluded.

es of goods produced

es for the purposes of the annual censuses means deliveries on of goods made by establishments in the United Kingdom ed by the inquiry. Sales of goods made for these establishments nutworkers or by other establishments from materials given out them and sales of waste products are included. New building k and machinery or other capital items produced by establishnts for hiring out or leasing are regarded as sales, the value uded in the return being that adopted in the establishments' ital asset accounts. Forward sales and canteen takings are excluded. sales in the period of the inquiry are included irrespective of on the goods were manufactured. Goods produced in one tablishment and transferred either to ancillary departments not aged in production for which there are separate accounts, or to her establishment of the same firm not covered by the return, treated as sales by the producing establishment and valued as as possible as if they had been sold to an independent purchaser. ods transferred to wholesale or retail selling organisations, for ch separate accounts are kept are valued on the same basis.

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

eints for work done and industrial services rendered

ures for work done represent the amount charged for work ried out on materials supplied by a customer and include repair ork. Within certain industries this heading covers a wide variety of tivities for example within the food sector - butter packed on mission; within the textile industries - making up of garments. r dressing and textile finishing; within printing and publishing paratory work on type-setting, block making and binding. Work ne is also significant in the electrical machinery and heavy neering industries, covering erection, installation and repair and bing work. Other activities within this heading include exploration ork, research and development, glass cutting and dressing and ing of timber

ustrial services rendered include repairs and maintenance, instaion work, and technical research and studies for other anisations

pital goods produced for establishments' own use

is includes all work of a capital nature carried out during the ar 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 guarrying 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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