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Business Monitor

Census of Production

Provisional Results



A publication of the Government Statistical Service

A publication of the Government Statistical Service

1978

Census of Production

Provisional Results

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Department of Industry
Business Statistics Office

London: Her Majesty's Stationery Office

List of Industry Reports, etc.

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PA103	Chalk, clay, sand and gravel extraction	PA370	Shipbuilding and marine engineering
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PA322	Copper, brass and other copper alloys	PA449.2	Gloves
PA323	Miscellaneous base metals	PA450	Footwear
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PA332	Metal-working machine tools	PA461.2	Building bricks and non-refractory goods
PA333.1	Pumps	PA462	Pottery
PA333.2	Valves	PA463	Glass
PA333.3	Compressors and fluid power equipment	PA464	Cement
PA334	Industrial engines	PA469.1	Abrasives
PA335	Textile machinery and accessories	PA469.2	Miscellaneous building materials and mineral products
PA336	Construction and earth-moving equipment	PA471	Timber
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PA339.2	Printing, bookbinding and paper goods machinery	PA475	Wooden containers and baskets
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PA339.5	Scales and weighing machinery and portable power tools	PA481	Paper and board
PA339.7	Food and drink processing machinery and packaging and bottling machinery	PA482.1	Cardboard boxes, cartons and fibre-board packing cases
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PA341	Industrial (including process) plant and steelwork	PA483	Manufactured stationery
PA342	Ordnance and small arms	PA484.1	Wallcoverings
PA349.1	Ball, roller, plain and other bearings	PA484.2	Miscellaneous manufactures of paper and board
PA349.2	Precision chains and other mechanical engineering	PA485	Printing, publishing of newspapers and periodicals
PA351	Photographic and document copying equipment	PA489	General printing and publishing
PA352	Watches and clocks	PA491	Rubber
PA353	Surgical instruments and appliances	PA492	Linoleum, plastics floor-covering, leathercloth, etc.
PA354	Scientific and industrial instruments and systems	PA493	Brushes and brooms
PA361	Electrical machinery	PA494.1	Toys, games and children's carriages
PA362	Insulated wires and cables	PA494.3	Sports equipment
PA363	Telegraph and telephone apparatus and equipment	PA495	Miscellaneous stationers' goods
PA364	Radio and electronic components	PA496	Plastics products
PA365.1	Gramophone records and tape recordings	PA499.1	Musical instruments
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Notes

Introduction

1. This Business Monitor presents provisional estimates of some of the principal results of the Census of Production for 1978 with comparative data for 1976 and 1977. The monitor includes operating ratios for 1978 calculated from census measures of output, investment, manpower and labour costs. The Report on the Census of Production, 1978, will also be published in the Business Monitor PA series. A full list of proposed monitors appears opposite.

2. Censuses of Production are taken annually for Great Britain by the Department of Industry's Business Statistics Office under the Statistics of Trade Act, 1947 and for Northern Ireland by the Department of Commerce, Belfast, under the Statistics of Trade (Northern Ireland) Act, 1949. The information collected separately for Northern Ireland is included in the United Kingdom totals published in the Business Monitors.

3. The Census of Production forms part of a system of industrial statistics mainly brought into operation between 1970 and 1973. The rest of the system comprises selected monthly inquiries into manufacturers' sales, orders and production, quarterly inquiries into the product sales of manufacturing industries and less frequent inquiries into additional subjects including details of purchases of goods and services by industry.

Objectives

4. The main objective of the series of annual censuses is to provide information about the structure of industry in the United Kingdom, which will be useful to industry, economic analysts and Government alike and will facilitate international comparisons with other member states of the European Economic Community (EEC). The censuses make possible the comparison of the characteristics of an industry either between years or with other industries in the same year.

Coverage

5. The Censuses for 1976-1978 covered United Kingdom establishments engaged in manufacturing, mining and quarrying, construction, electricity, gas and water supply (Orders II-XXI of the Standard Industrial Classification (revised 1968) (SIC)). 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 1978 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. In the construction industry, where firms employing fewer than 20 persons account for a relatively high proportion of total employment and output, a sample was taken of establishments employing fewer than 20 employees.

Industrial Classification

6. The United Kingdom 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 in Business Monitor PQ1000.

Period covered

7. Establishments were asked to make returns in respect of the calendar year but a return for a business year ending on any date from 6 April 1978 to 5 April 1979 was accepted. Returns covering less than twelve months were accepted in those cases where businesses had started or ceased during the year.

Estimation

8. The provisional results include estimates, as will the final results, for non-respondents, unsatisfactory returns and establishments not required to make returns.

Symbols used

9. The following symbols are used throughout the PA series of Business Monitors:

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

Rounding of Figures

10. Figures in the tables have, where necessary, been rounded to the nearest final digit.

Collection of Data

11. Questionnaires for the 1978 Census were despatched in January 1979 and computer generated reminder letters were despatched during May, June and August, 1979. If the reminders failed to produce a response, establishments whose figures are of particular importance to the inquiry are contacted by telex, telephone or a personal visit. Every effort is made to persuade establishments to provide returns promptly.

Response

12. The estimates for 1978 in Tables 1 and 2 are based on questionnaires received at the Business Statistics Office up to the end of October 1979.

The response for each industry, based on employment, is indicated in Table 1. Response is estimated to cover 67 per cent of total employment in manufacturing industries.

Results

13. Final results of the 1978 Census, including analyses by size of establishment and by region will appear in 164 separate industry Business Monitors (PA series). Publication of the monitors will begin in the third quarter of 1980. Compilation of the final results for the 1976 Census has been completed and all the final industry monitors have been published. Publication of 1977 final results commenced in the fourth quarter of 1979. Tables 1 and 2 give comparative data for 1976-1978. The results for 1976 are compiled from the final industry monitors for 1976. Although the 1977 results are mainly those given for provisional results for that year some improved estimates have been included. An indication of the likely size of reversions between provisional and final results is given in Table 3. This table has been compiled from the census results for 1974-1976. Table 4 - the operating ratios shown in this table are provisional estimates only. Final figures for these ratios will appear in the separate industry Business Monitors.

EXPLANATION OF TERMS USED

Employment

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

- (a) administrative, technical and clerical employees
- (b) all other employees (operatives)

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 (i.e. persons employed by establishments who worked in their own homes etc., on materials supplied by the establishment) are excluded.

Gross output

15. 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

16. 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.

Gross value added at factor cost

17. Gross value added at factor cost is calculated by deducting from net output the cost of non-industrial services (rent of buildings, hire of plant and machinery, commercial insurance premiums, bank charges and amounts paid for professional services, post office services, transport 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 data may be used in conjunction with other census results to derive operating ratios providing measures of industrial performance. Of particular interest is gross value added per head, which is 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.

Operating ratios

18. For each industry 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 of the quantity shown in the denominator. These estimates cover all establishments classified to each industry, including exempted establishments and non-respondents. In comparing the ratios between different industries, consideration must be given to the nature of the business carried on by firms in the industries concerned. 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.

19. Business Monitor PA1001 - Introductory Notes sets out in greater detail the notes for guidance and explanation of how a census is conducted.

TABLE 1 Output, costs and employment, 1976-1978
All United Kingdom establishments classified to mining, manufacturing, construction, gas, electricity and water (a)

Industry	1976	1977	1978
GROUP II Mining and quarrying (b)	1,000.0	1,000.0	1,000.0
101 Coal mining	1,000.0	1,000.0	1,000.0
102 Stone and other quarrying and mining	1,000.0	1,000.0	1,000.0
103 Graft, clay, sand and gravel extraction	1,000.0	1,000.0	1,000.0
104 Petroleum and natural gas	1,000.0	1,000.0	1,000.0
100 (XII) Miscellaneous mining and quarrying	1,000.0	1,000.0	1,000.0
GROUP III All manufacturing industries	10,000.0	10,000.0	10,000.0
11-XX	10,000.0	10,000.0	10,000.0
GROUP III Food, drink and tobacco	1,000.0	1,000.0	1,000.0
211 Grain milling	1,000.0	1,000.0	1,000.0
212 Bread and flour confectionery	1,000.0	1,000.0	1,000.0
213 Dairies	1,000.0	1,000.0	1,000.0
214 Bacon curing, meat and fish products	1,000.0	1,000.0	1,000.0
215 Milk and milk products	1,000.0	1,000.0	1,000.0
216 Sugar	1,000.0	1,000.0	1,000.0
217 Cocoa, chocolate and sugar confectionery	1,000.0	1,000.0	1,000.0

TABLE 1 Output, costs and employment, 1976-1978
All United Kingdom establishments classified to mining, manufacturing, construction, gas, electricity and water (a)

Standard Industrial Classification Orders or minimum list heading (b)	Industry	Year	Sales of goods produced, receipts for work done and services rendered	Merchanted goods	Increase during year in work in progress and goods on hand for sale	Gross output	Cost of purchases (c)
			£ million	£ million	£ million	£ million	£ million
ORDER II	Mining and quarrying (g)	1976	2,947.3	16.6	168.7	3,132.8	725.8
		1977	3,326.2	15.1	214.0	3,555.4	922.6
		1978	3,815.9	17.4	300.1	4,133.5	1,052.4
101	Coal mining	1976	2,280.6(h)	—	9.3	2,290.0	473.3(j)
		1977	2,507.8(h)	—	33.9	2,541.8	611.4(j)
		1978	2,861.3(h)	—	91.8	2,953.1	678.5(j)
102	Stone and slate quarrying and mining	1976	309.0(k)	7.2	85.1	401.3	145.9
		1977	341.3(k)	6.1	93.6	441.1	161.1
		1978	416.5(k)	8.2	124.4	549.1	191.9
103	Chalk, clay, sand and gravel extraction	1976	275.4(k)	5.3	65.0	345.7	77.8
		1977	356.9(k)	6.0	70.6	433.4	107.7
		1978	383.4(k)	7.1	61.6	452.2	127.0
104	Petroleum and natural gas	1976	1,002.1	0.7	14.4	1,017.1	447.9(p)
		1977	2,647.4	0.1	2.9	2,650.4	599.9(p)
		1978	3,328.1	(m)	-1.5	3,326.6	600.4(p)
109 (1)(2) (3)(4)	Miscellaneous mining and quarrying	1976	82.3(k)	4.1	9.3	95.8	28.8
		1977	120.2(k)	3.0	15.9	139.1	42.4
		1978	154.7(k)	2.1	22.3	179.1	55.0
ORDERS III-XIX	All manufacturing industries	1976	102,470.6	7,812.6	2,690.7	112,975.0	64,448.1
		1977	121,254.5	10,015.7	2,704.5	133,974.4	76,365.9
		1978	133,006.0	11,881.5	2,017.8	146,904.9	81,405.5
ORDER III	Food, drink and tobacco	1976	18,612.1	1,939.6	218.0	20,769.9	12,027.6
		1977	22,678.8	2,529.1	304.3	25,512.1	15,339.9
		1978	24,493.8	2,820.3	168.1	27,482.4	15,880.8
211	Grain milling	1976	846.3	40.5	4.4	891.2	671.7
		1977	1,024.4	57.7	3.5	1,085.6	834.5
		1978	1,046.0	66.4	5.7	1,118.1	862.4
212	Bread and flour confectionery	1976	1,009.0	145.4	0.8	1,155.2	670.5
		1977	1,142.6	172.2	1.0	1,315.8	767.6
		1978	1,287.5	205.7	1.5	1,494.7	852.9
213	Biscuits	1976	468.5	52.2	6.5	527.2	305.6
		1977	629.4	74.0	6.1	709.5	406.9
		1978	567.9	42.2	-0.2	609.9	349.1
214	Bacon curing, meat and fish products	1976	2,096.6	162.7	27.1	2,286.4	1,625.1
		1977	2,312.8	203.0	46.1	2,561.9	1,829.6
		1978	2,653.9	263.4	9.2	2,926.6	2,067.7
215	Milk and milk products	1976	2,095.4	258.7	23.3	2,377.4	1,808.4
		1977	2,611.6	327.0	18.6	2,957.2	2,309.2
		1978	2,831.9	316.9	37.7	3,186.5	2,515.8
216	Sugar	1976	614.5	27.6	-17.2	624.9	498.6
		1977	716.2	81.6	18.6	816.4	554.1
		1978	662.1	49.9	12.4	724.4	508.1
217	Cocoa, chocolate and sugar confectionery	1976	866.0	101.2	12.8	980.0	613.6
		1977	1,131.8	49.8	24.7	1,206.2	720.7
		1978	1,220.1	216.2	21.1	1,457.4	929.1

Cost of industrial services, increase during the year of materials, stores and fuel (d)	Net output	Cost of non-industrial services, rates, motor vehicle licences	Gross value added at factor cost		Employment			Wages and salaries		Percentage response in 1978
			Total	per head	Total (e)	Operatives	Others (f)	Operatives	Others (f)	
			£ million	£	Thousand	Thousand	Thousand	£ million	£ million	
62.8	2,344.1	235.8	2,108.3	6,245	337.6	300.1	36.7	968.8	144.8	
52.5	2,580.3	281.6	2,298.7	6,850	335.6	298.4	36.6	1,063.6	158.0	
37.2	3,043.9	305.8	2,738.0	8,289	330.3	292.6	37.0	1,281.3	193.1	94
32.8	1,783.8	73.9	1,709.9	5,802	294.7	267.2	27.5	864.1	112.2	
14.9	1,915.5	83.9	1,831.6	6,253	292.9	265.6	27.3	946.6	121.6	
-8.8	2,283.4	93.7	2,189.7	7,619	287.4	260.0	27.4	1,149.2	149.3	100
11.3	244.2	78.0	166.1	9,571	17.4	13.8	3.3	42.4	11.4	
14.2	265.8	93.6	172.2	10,367	16.6	13.0	3.3	45.3	12.3	
14.0	343.2	102.0	241.2	14,528	16.6	12.8	3.5	50.8	14.5	47
12.8	255.1	71.5	183.6	9,242	19.9	14.7	4.8	45.5	16.0	
16.2	309.5	82.0	227.5	11,351	20.0	15.0	4.7	51.0	18.0	
18.6	306.6	81.1	225.4	11,271	20.0	14.8	4.8	55.5	21.4	56
75.0(q)	..	..	494.2	..	7.2	..	..	38.6(l)	..	
233.7(q)	..	..	1,816.8	..	8.5(r)	..	..	63.0(l)	..	
286.3(q)	..	..	2,439.9	..	8.9(r)	..	..	85.8(l)	..	
5.9	61.0	12.4	48.7	8,703	5.6	4.4	1.1	16.8	5.2	
7.2	89.5	22.1	67.4	11,014	6.1	4.8	1.3	20.7	6.1	
13.4	110.7	29.0	81.7	12,973	6.3	5.0	1.3	25.8	7.9	64
4,176.3	44,349.9	5,593.7	38,756.7	5,303	7,308.5	5,238.7	1,995.7	14,397.2	7,052.1	
6,024.0	51,588.5	6,873.4	44,715.0	6,102	7,327.5	5,232.3	2,020.2	15,985.8	7,922.6	
7,392.0	58,110.4	8,271.5	49,835.3	6,916	7,205.5	5,098.5	2,037.3	18,012.3	9,317.8	67
2,994.2	5,748.0	794.6	4,953.3	6,490	763.2	598.3	160.5	1,518.6	528.7	
3,400.4	6,771.9	956.7	5,815.4	7,610	764.2	601.9	157.8	1,672.4	575.7	
4,058.8	7,542.3	1,227.3	6,315.1	8,522	741.0	576.9	160.6	1,857.2	694.6	74
3.9	215.6	43.5	172.1	9,363	18.4	13.7	4.5	44.0	16.1	
-0.8	251.9	57.4	194.5	10,365	18.8	13.8	4.8	48.4	19.3	
7.1	248.6	68.4	180.2	9,536	18.9	13.7	5.0	57.1	22.1	85
-33.2	517.9	45.4	472.5	3,422	138.1	120.1	17.1	264.5	44.3	
0.9	547.3	53.2	494.1	3,540	139.6	122.1	16.4	284.2	46.5	
19.6	622.1	64.6	557.5	4,223	132.0	115.0	16.2	307.9	54.2	68
1.7	219.9	25.4	194.5	3,919	49.6	40.4	9.2	85.2	26.7	
1.5	301.0	24.3	276.8	6,165	44.9	38.8	6.1	85.8	16.7	
5.3	255.5	23.6	231.9	5,791	40.0	34.2	5.8	80.1	19.3	98
11.7	649.6	113.2	536.3	4,208	127.4	103.4	23.1	235.6	72.2	
23.1	709.2	140.0	569.2	4,704	121.0	97.6	22.6	242.0	79.1	
27.2	831.6	171.0	660.6	5,165	127.9	102.7	24.3	294.4	100.9	69
8.9	560.2	76.4	483.7	8,409	57.5	45.8	11.1	144.4	34.0	
-55.1	703.1	90.3	612.8	9,471	64.7	53.0	11.1	187.9	36.1	
-26.5	697.3	111.1	586.2	10,716	54.7	43.5	11.2	168.5	40.7	58
-58.3	184.6	23.2	161.4	12,860	12.6	9.1	3.4	30.0	14.3	
-0.7	263.0	45.8	217.3	16,588	13.1	9.6	3.5	35.4	17.3	
17.9	198.4	41.9	156.5	12,795	12.2	8.9	3.3	37.4	21.4	99
-17.3	383.7	78.4	305.3	4,527	67.4	51.9	15.3	119.3	52.6	
-2.2	487.7	79.0	408.8	6,289	65.0	51.3	13.4	117.3	51.3	
18.5	509.7	129.0	380.7	5,786	65.8	50.0	15.5	145.3	66.6	88

TABLE 1 Output, costs and employment, 1976-1978
All United Kingdom establishments classified to mining, manufacturing, construction, gas, electricity and water (a)

Standard Industrial Classification Orders or minimum list heading (b)	Industry	Year	Sales of goods produced, receipts for work done and services rendered	Merchanted goods	Increase during year in work in progress and goods on hand for sale	Gross output	Cost of purchases (c)	Employment		Wages and salaries		Percentage response in 1978 (d)					
								Total (e)	Operatives (f)	Operatives (f)	Others (f)						
			£ million	£ million	£ million	£ million	£ million	£ million	£	Thousand	Thousand	Thousand	£ million	£ million	%		
ORDER III Food, drink and tobacco (continued)																	
218	Fruit and vegetable products	1976	796.0	50.9	21.6	868.5	578.4	4.3	285.8	50.9	234.9	4,209	55.8	45.6	10.0	88.2	30.6
		1977	1,159.3	61.7	33.6	1,254.6	818.3	2.1	434.2	76.8	357.3	6,416	55.7	44.1	11.3	113.3	42.4
		1978	1,301.7	80.0	22.0	1,403.6	891.7	6.2	505.7	101.0	404.8	7,039	57.5	45.0	12.3	137.6	55.2	79
219	Animal and poultry foods	1976	1,525.1	291.1	8.7	1,824.9	1,535.5	-12.2	301.6	54.4	247.3	8,256	30.0	18.8	10.7	60.9	36.4
		1977	1,889.4	392.8	6.8	2,289.0	1,929.3	17.2	342.5	57.6	284.9	9,498	30.0	18.3	11.2	61.7	42.1
		1978	1,791.1	343.1	6.0	2,140.2	1,687.9	19.8	432.5	101.0	331.5	11,051	30.0	17.3	12.2	74.4	59.4	51
221	Vegetable and animal oils and fats	1976	594.0	39.2	7.4	640.6	548.2	-18.6	110.9	19.7	91.2	10,654	8.6	6.2	2.2	20.3	8.3
		1977	962.6	80.0	3.9	1,046.4	945.4	-12.9	113.9	26.1	87.9	10,098	8.7	6.2	2.4	22.1	9.6
		1978	819.5	73.5	1.1	894.2	774.4	18.3	101.5	27.2	74.3	9,403	7.9	5.7	2.1	23.7	10.0	72
229 (1)	Margarine	1976	202.9	9.6	1.2	213.7	175.8	-4.0	41.9	7.0	34.9	8,089	4.3	3.1	1.2	10.1	4.5
		1977	283.7	13.3	0.6	297.6	238.1	2.8	56.7	10.4	46.3	10,423	4.4	3.3	1.1	11.2	4.6
		1978	280.6	9.2	0.2	290.0	226.6	1.9	61.5	10.8	50.8	11,802	4.3	3.2	1.1	13.0	5.4	86
229 (2)	Starch and miscellaneous foods	1976	983.8	100.3	7.7	1,091.8	794.8	-22.3	319.3	52.6	266.7	7,385	36.1	26.9	9.1	67.2	32.1
		1977	1,320.2	142.5	46.2	1,508.9	1,167.9	-38.1	379.1	55.4	323.7	9,145	35.4	27.7	7.5	76.3	28.0
		1978	1,406.1	150.1	-12.1	1,544.2	1,099.6	48.2	396.3	70.7	325.5	9,518	34.2	26.2	7.8	79.1	33.5	57
231	Brewing and malting	1976	1,838.3	538.6	31.6	2,408.5	894.6	765.4	748.5	54.9	693.6	11,194	62.0	41.4	20.5	148.2	73.2
		1977	2,159.7	707.0	16.3	2,883.0	1,189.9	882.5	810.6	78.7	731.8	11,055	66.2	44.1	22.0	159.4	84.0
		1978	2,541.8	754.4	19.2	3,315.4	1,207.2	1,033.3	1,074.9	88.8	986.1	15,930	61.9	41.1	20.8	185.7	95.5	77
232	Soft drinks	1976	479.3	100.4	7.8	587.5	365.2	8.1	214.2	27.1	187.1	6,940	27.0	20.2	6.5	50.3	17.5
		1977	629.6	146.1	5.4	781.1	466.6	1.4	313.2	34.3	278.9	9,995	27.9	21.2	6.4	58.7	21.9
		1978	738.4	185.6	3.0	927.0	573.7	2.6	350.6	32.5	318.2	12,726	25.0	19.1	5.6	60.0	22.7	64
239 (1)	Spirit distilling and compounding	1976	1,210.4	18.2	64.3	1,293.0	417.9	444.3	430.8	61.7	369.0	14,542	25.4	19.2	6.2	52.4	22.2
		1977	1,275.2	17.1	57.2	1,349.6	494.2	349.3	506.1	74.5	431.6	16,655	25.9	19.4	6.5	58.3	26.0
		1978	1,431.6	61.6	116.1	1,609.3	595.8	430.4	583.1	112.5	470.6	17,894	26.3	19.9	6.4	69.5	30.6	89
239 (2)	British wines, cider and perry	1976	108.7	3.0	2.8	114.6	43.1	33.0	38.4	9.8	28.6	5,634	5.1	3.3	1.8	9.3	5.8
		1977	133.1	3.3	4.2	140.6	47.8	46.8	46.1	15.2	30.9	5,993	5.2	3.3	1.9	10.8	6.3
		1978	165.8	2.1	-0.1	167.8	59.9	46.0	61.8	19.1	42.7	8,059	5.3	3.3	2.0	13.2	7.6	70
240	Tobacco	1976	2,877.3	(m)	7.2	2,884.5	480.6	1,878.8	525.1	51.0	474.2	12,513	37.9	29.2	8.6	88.7	37.9
		1977	3,297.2	(m)	11.5	3,308.7	619.8	2,182.6	506.3	37.7	468.6	12,420	37.7	28.1	9.6	99.6	44.5
		1978	3,747.8	(m)	-74.7	3,673.1	678.9	2,383.0	611.2	54.1	557.0	15,015	37.1	28.1	9.0	110.3	49.5	83
ORDER IV Coal and petroleum products																	
261	Coke ovens and manufactured fuel	1976	371.4	(m)	40.4	411.8	319.5	4.0	88.3	12.8	75.5	7,142	10.6	8.9	1.7	32.8	6.9
		1977	371.1	(m)	31.6	402.7	301.5	7.8	93.5	14.4	79.0	7,753	10.2	8.5	1.7	32.3	7.2
		1978	414.3	7.2	-3.7	417.8	309.0	1.5	107.2	16.8	90.4	9,416	9.6	8.0	1.6	34.8	8.8	96
262	Mineral oil refining	1976	6,260.6	(m)	196.2	6,456.8	5,814.5	-87.1	729.4	39.9	689.6	38,960	17.7	12.3	5.4	49.3	27.6
		1977	6,907.0	(m)	-56.2	6,850.8	5,853.5	72.5	924.8	57.9	866.9	50,582	17.1	11.9	5.3	52.8	29.6
		1978	6,132.1	289.3	-69.8	6,351.6	5,647.4	82.1	622.1	64.3	557.8	31,584	17.7	12.0	5.6	62.2	37.0	96
263	Lubricating oils and greases	1976	290.9	19.4	1.5	311.8	221.0	2.4	88.4	10.9	77.5	11,209	6.9	3.3	3.3	12.1	12.4
		1977	345.6	23.7	4.2	373.5	247.2	2.1	124.2	14.4	109.7	15,907	6.9	3.5	3.3	13.6	13.3
		1978	383.2	23.8	-	407.0	269.3	7.6	130.2	16.6	113.6	16,949	6.7	3.6	3.0	14.8	14.7	81
ORDER V Chemicals and allied industries																	
271	Chemicals and allied industries	1976	9,923.2	1,067.7	272.6	11,263.8	6,834.0	53.0	4,376.7	704.1	3,672.8	9,102	403.5	239.7	162.4	755.7	651.4
		1977	11,781.9	1,425.4	256.7	13,464.0	8,108.1	159.5	5,196.3	861.6	4,334.2	10,605	408.7	241.0	166.0	860.3	740.1
		1978	12,724.6	1,526.2	114.9	14,365.5	8,539.5	223.5	5,606.2	1,015.5	4,586.8	11,438	401.0	239.8	159.7	979.0	843.5

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Standard Industrial Classification Orders or minimum list heading (b)	Industry	Year	Sales of goods produced, receipts for work done and services rendered	Merchanted goods	Increase during year in work in progress and goods on hand for sale	Gross output	Cost of purchases (c)	Employment		Wages and salaries		Percentage response in 1978 (d)					
								Total (e)	Operatives (f)	Operatives (f)	Others (f)						
			£ million	£ million	£ million	£ million	£ million	£	Thousand	Thousand	Thousand	£ million	£ million	%			
ORDER V Chemicals and allied industries																	
271	Chemicals and allied industries	1976	9,923.2	1,067.7	272.6	11,263.8	6,834.0	53.0	4,376.7	704.1	3,672.8	9,102	403.5	239.7	162.4	755.7	651.4
		1977	11,781.9	1,425.4	256.7	13,464.0	8,108.1	159.5	5,196.3	861.6	4,334.2	10,605	408.7	241.0	166.0	860.3	740.1
		1978	12,724.6	1,526.2	114.9	14,365.5	8,539.5	223.5	5,606.2	1,015.5	4,586.8	11,438	401.0	239.8	159.7	979.0	843.5

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All United Kingdom establishments classified to mining, manufacturing, construction, gas, electricity and water (a)

Standard Industrial Classification Orders or minimum list heading (b)	Industry	Year	Sales of goods produced, receipts for work done and services rendered	Merchanted goods	Increase during year in work in progress and goods on hand for sale	Gross output	Cost of purchases (c)
			£ million	£ million	£ million	£ million	£ million
ORDER V Chemicals and allied industries (continued)							
271 (1)	Inorganic chemicals	1976	887.3	107.7	13.4	1,008.4	585.8
		1977	1,073.2	116.6	21.4	1,211.2	715.2
		1978	1,112.6	106.8	3.3	1,222.6	709.6
271 (2)	Organic chemicals	1976	1,998.9	298.2	60.8	2,358.0	1,734.1
		1977	2,256.1	375.7	3.3	2,635.1	1,923.6
		1978	2,212.6	440.6	11.3	2,664.5	1,959.0
271 (3)	Miscellaneous chemicals	1976	1,011.2	112.7	52.9	1,176.8	718.4
		1977	1,191.8	177.9	56.1	1,425.8	839.0
		1978	1,282.1	154.1	-36.0	1,400.2	802.4
272	Pharmaceutical chemicals and preparations	1976	1,134.5	94.0	29.8	1,258.3	597.3
		1977	1,413.8	131.5	60.3	1,605.6	719.9
		1978	1,642.9	153.4	49.0	1,845.3	885.2
273	Toilet preparations	1976	355.8	19.7	2.8	378.3	176.2
		1977	424.6	26.1	11.3	462.0	228.1
		1978	482.5	44.3	9.4	536.2	269.4
274	Paint	1976	495.7	40.6	10.9	547.1	322.2
		1977	592.9	42.1	12.9	647.9	386.5
		1978	709.4	47.0	13.3	769.7	408.8
275	Soap and detergents	1976	479.4	25.8	5.4	510.7	338.8
		1977	662.5	40.0	9.1	711.6	455.1
		1978	769.5	28.7	7.6	805.8	487.5
276	Synthetic resins and plastics materials and synthetic rubber	1976	1,419.7	87.0	41.0	1,547.7	1,003.6
		1977	1,645.4	119.4	18.9	1,783.7	1,178.9
		1978	1,715.0	171.2	0.7	1,886.9	1,246.7
277	Dyestuffs and pigments	1976	481.3	36.4	18.9	536.7	252.0
		1977	543.0	43.2	24.5	610.7	312.5
		1978	554.1	41.4	7.5	603.0	310.5
278	Fertilizers	1976	577.8	79.4	-3.0	654.3	364.5
		1977	669.5	93.5	-4.7	758.3	420.4
		1978	740.4	66.7	19.6	826.7	420.8
279 (1)	Polishes	1976	99.9	10.1	2.2	112.2	64.2
		1977	116.4	16.0	2.1	134.5	80.8
		1978	140.5	26.1	-	166.5	96.0
279 (2)	Formulated adhesives, gelatine, etc.	1976	153.6	8.4	4.1	166.1	100.1
		1977	194.1	7.4	3.1	204.6	127.4
		1978	182.7	15.9	3.2	201.8	122.9
279 (3)	Explosives and fireworks	1976	229.4	5.2	22.3	256.9	153.3
		1977	316.2	3.7	28.3	348.2	179.2
		1978	374.8	4.3	10.6	389.7	229.2
279 (4)	Formulated pesticides, etc.	1976	126.2	126.2	2.2	254.6	150.1
		1977	160.0	172.2	6.0	338.2	204.2
		1978	174.8	161.6	6.5	342.9	172.3
279 (5)	Printing ink	1976	79.4	8.0	2.6	90.0	49.9
		1977	95.2	10.2	1.2	106.6	58.3
		1978	117.6	6.2	1.2	125.0	67.2

Cost of industrial services, increase during the year of materials, stores and fuel (d)	Net output	Cost of non-industrial services, rates, motor vehicle licences	Gross value added at factor cost		Employment			Wages and salaries		Percentage response in 1978
			Total	per head	Total (e)	Operatives	Others (f)	Operatives	Others (f)	
£ million	£ million	£ million	£ million	£	Thousand	Thousand	Thousand	£ million	£ million	%
3.1	419.5	62.0	357.5	10,350	34.5	22.0	12.4	82.5	52.3	
21.9	474.1	71.6	402.5	11,560	34.8	21.9	12.8	92.5	61.3	
25.4	487.6	85.8	401.8	11,852	33.9	21.6	12.2	102.1	68.0	95
32.2	591.7	100.9	490.8	13,567	36.2	22.5	13.7	82.5	66.8	
67.3	644.2	125.6	518.5	13,385	38.7	24.1	14.6	100.6	80.8	
108.7	596.7	151.9	444.9	11,646	38.2	23.4	14.8	112.8	95.0	89
5.9	452.5	50.5	402.0	9,686	41.5	22.1	19.3	72.5	77.2	
8.2	578.6	60.9	517.7	12,364	41.9	22.4	19.4	82.5	87.3	
33.1	564.7	80.5	484.2	11,668	41.5	22.7	18.8	101.0	102.9	78
-2.7	663.5	102.9	560.6	8,647	64.8	33.8	30.8	89.6	114.1	
8.8	876.9	139.4	737.5	11,247	65.6	33.5	31.8	100.7	131.5	
-16.8	976.9	149.9	827.0	12,822	64.5	33.2	31.0	117.0	148.2	69
-2.6	204.7	60.0	144.8	6,643	21.8	12.8	8.9	26.3	29.5	
-5.0	238.9	75.0	163.9	7,188	22.8	13.1	9.5	30.8	35.2	
3.0	263.8	72.9	190.9	8,338	22.9	14.0	8.7	37.2	37.7	61
-3.8	228.8	47.0	181.8	6,251	29.1	15.4	13.4	43.0	48.1	
-1.1	262.5	56.2	206.3	7,107	29.0	15.3	13.4	47.5	51.6	
-0.4	361.3	75.5	285.8	10,244	27.9	14.9	12.8	53.3	59.9	59
1.6	170.2	51.7	118.5	6,847	17.3	11.3	5.9	30.5	20.6	
-0.6	257.1	61.7	195.5	11,442	17.1	11.0	5.9	33.4	22.6	
3.5	314.7	78.1	236.6	13,836	17.1	11.3	5.6	39.5	26.6	81
14.6	529.5	79.6	449.9	8,731	51.5	32.8	18.5	115.2	82.5	
36.0	568.8	88.0	480.7	9,087	52.9	33.3	19.4	134.1	95.6	
22.1	618.0	104.4	513.6	10,212	50.3	31.3	18.8	146.0	108.9	68
-0.7	285.4	18.8	266.6	13,079	20.4	13.4	6.9	47.1	32.6	
6.8	291.4	23.4	268.0	13,373	20.0	13.0	7.0	52.5	35.5	
13.4	279.0	25.3	253.7	13,145	19.3	12.5	6.8	57.9	41.3	95
13.9	275.9	48.3	227.6	11,319	20.1	12.2	7.8	45.1	35.1	
16.3	321.6	60.1	261.4	13,545	19.3	11.9	7.3	50.0	38.6	
14.6	391.3	72.4	318.9	16,610	19.2	11.8	7.3	58.8	44.4	87
-0.3	48.3	13.0	35.3	6,645	5.3	2.6	2.7	6.8	9.1	
-1.4	55.1	15.9	39.1	7,943	4.9	2.4	2.4	7.1	9.2	
0.8	69.7	20.2	49.5	9,335	5.3	2.8	2.5	9.2	9.9	75
-1.1	67.0	14.4	52.6	7,588	6.9	3.7	3.1	11.7	10.8	
1.9	75.3	19.1	56.2	7,616	7.3	4.0	3.3	14.6	12.9	
3.3	75.6	21.9	53.7	7,061	7.6	4.0	3.5	15.0	15.2	74
-0.5	104.1	10.1	94.1	4,969	18.9	14.6	4.3	41.7	18.9	
-1.5	170.5	14.2	156.2	7,967	19.6	15.1	4.5	46.3	20.2	
5.9	154.6	14.9	139.7	7,127	19.6	14.8	4.8	51.3	23.7	63
-1.7	106.2	11.9	94.3	21,824	4.3	2.0	2.3	5.8	9.2	
0.1	133.9	13.0	120.9	28,486	4.2	1.8	2.4	6.2	10.3	
1.7	169.0	14.1	154.9	36,872	4.2	2.2	1.9	8.4	9.2	56
-0.9	41.0	5.8	35.2	7,042	5.0	2.6	2.4	9.4	9.0	
0.2	48.0	6.9	41.1	8,231	5.0	2.5	2.4	10.3	9.9	
-0.4	58.2	7.4	50.8	10,171	5.0	2.6	2.4	11.9	11.7	63

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								Total	per head	Total (e)	Operatives	Others (f)	Operatives	Others (f)			
			£ million	£ million	£ million	£ million	£ million	£ million	£	Thousand	Thousand	Thousand	£ million	£ million	%		
ORDER V Chemicals and allied industries (continued)																	
279 (6)	Surgical bandages, etc.	1976	121.1	8.3	1.0	130.4	58.1	2.2	70.2	10.3	59.9	5,147	11.6	8.4	3.2	16.7	10.2
		1977	149.1	12.6	4.0	165.8	77.1	2.9	85.8	13.4	72.4	6,346	11.4	8.3	3.1	19.6	11.2
		1978	173.5	14.9	1.6	190.0	86.2	2.3	101.5	16.5	85.0	7,268	11.7	8.7	3.0	22.8	11.9	73
279 (7)	Photographic chemical materials	1976	272.0	(m)	5.3	277.3	165.4	-6.2	118.2	16.9	101.3	7,104	14.3	7.5	6.8	29.3	25.4
		1977	278.1	37.3	-1.1	314.2	201.9	-1.3	113.6	17.2	96.3	6,782	14.2	7.4	6.8	31.6	26.4
		1978	339.6	43.0	6.1	388.7	265.8	3.3	119.6	23.8	95.8	7,487	12.8	8.0	4.8	34.8	29.0	65
ORDER VI Metal manufacture																	
311	Iron and steel (general)	1976	4,320.3	28.4	213.3	4,562.0	3,212.4	-72.0	1,421.6	208.7	1,212.9	5,206	233.0	172.2	60.5	615.1	242.6
		1977	4,918.8	28.5	-71.8	4,875.6	3,336.4	208.2	1,330.9	231.0	1,099.9	4,709	233.6	172.1	61.2	668.9	267.3
		1978	4,956.6	22.9	93.4	5,072.8	3,410.4	167.9	1,494.5	258.4	1,236.2	5,561	222.3	162.4	59.6	725.4	293.9	86
312	Steel tubes	1976	716.4	17.6	10.0	744.1	428.3	4.2	311.6	34.9	276.7	5,998	46.1	33.8	12.2	113.5	44.7
		1977	720.9	14.5	30.7	766.1	452.1	19.6	294.4	39.5	254.9	5,615	45.4	33.2	12.1	123.1	49.3
		1978	910.2	12.7	13.1	936.0	541.6	23.7	370.7	49.2	321.4	6,868	46.8	34.3	12.4	145.4	56.6	81
313	Iron castings, etc.	1976	780.2	17.7	7.4	805.3	390.3	16.0	399.0	41.1	357.9	4,541	78.8	63.2	14.8	190.5	50.2
		1977	829.1	20.5	4.1	853.7	396.6	31.2	425.9	48.9	377.0	4,948	76.2	60.8	14.7	211.2	56.0
		1978	946.9	26.5	17.6	991.0	444.7	22.5	523.9	58.8	465.1	6,176	75.3	59.4	15.2	235.3	65.6	61
321	Aluminium and aluminium alloys	1976	973.1	106.6	33.2	1,112.9	753.5	-6.3	365.7	36.8	328.9	6,376	51.6	39.1	12.2	124.7	45.9
		1977	1,320.2	132.8	33.5	1,486.4	1,018.6	13.1	454.7	46.3	408.4	7,794	52.4	39.2	12.9	141.9	55.0
		1978	1,338.6	109.3	18.8	1,466.7	977.1	25.9	463.7	54.8	409.0	8,019	51.0	38.4	12.4	163.5	61.4	69
322	Copper, brass and other copper alloys	1976	756.6	14.8	24.1	795.5	555.8	0.1	239.6	22.2	217.4	5,202	41.8	30.8	10.7	90.4	39.6
		1977	895.7	10.7	0.5	907.0	632.1	16.3	258.6	26.4	232.2	5,667	41.0	30.4	10.3	97.7	41.6
		1978	961.1	14.1	13.1	988.3	673.5	17.4	297.4	33.7	263.7	6,693	39.4	29.3	9.8	109.2	45.8	83
323	Miscellaneous base metals	1976	606.8	192.3	42.5	841.5	686.3	-10.9	166.1	13.1	153.0	8,147	18.8	13.1	5.6	39.6	20.0
		1977	788.4	201.1	30.0	1,019.5	840.4	-1.0	180.0	16.6	163.5	8,516	19.2	13.3	5.7	45.8	22.9
		1978	793.2	177.5	-6.2	964.6	802.7	-8.7	170.6	17.6	153.0	8,097	18.9	13.1	5.7	53.5	26.6	82
ORDER VII Mechanical engineering																	
331	Agricultural machinery (except tractors)	1976	9,619.4	933.2	298.5	10,851.0	5,062.8	346.2	5,442.1	659.9	4,782.1	5,216	916.9	595.3	310.7	1,783.7	1,097.8
		1977	11,946.3	1,048.9	454.5	13,449.7	6,632.0	348.7	6,469.4	802.4	5,667.0	6,137	923.4	593.3	318.7	2,007.2	1,235.7
		1978	13,783.4	1,233.4	491.5	15,508.5	7,171.1	656.0	7,681.4	958.7	6,722.6	7,297	921.3	583.1	327.5	2,292.0	1,497.5	60
332	Metal-working machine tools	1976	240.5	48.6	6.0	295.2	165.1	1.8	128.3	18.2	110.1	4,812	22.9	15.7	6.6	41.6	21.9
		1977	289.2	54.4	10.9	354.6	203.4	-1.1	152.3	21.0	131.3	5,759	22.8	15.6	6.6	46.5	24.5
		1978	297.2	81.6	10.6	389.5	190.5	9.9	189.0	25.3	163.7	7,211	22.7	15.5	6.8	55.4	28.7	58
332	Metal-working machine tools	1976	534.7	39.7	24.9	599.3	264.4	16.5	318.3	38.8	279.5	4,640	60.2	39.2	20.6	116.3	68.9
		1977	631.5	67.0	30.1	728.5	332.0	15.5	381.1	47.0	334.1	5,603	59.6	37.9	21.3	126.4	79.4
		1978	750.1	80.0	25.8	856.0	375.4	17.6	462.9	54.1	408.8	7,000	58.4	36.8	21.2	143.5	93.2	60
333 (1)	Pumps	1976	272.4	41.1	5.1	318.6	162.5	0.9	155.2	19.8	135.4	5,200	26.0	14.5	11.5	43.1	39.1
		1977	346.4	43.6	13.6	403.7	207.6	-4.5	200.6	25.5	175.1	6,160	28.4	14.4	14.0	47.7	53.0
		1978	413.8	43.9	7.4	465.1	224.9	1.4	238.8	31.6	207.2	7,590	27.3	14.7	12.5	56.0	52.4	54
333 (2)	Valves	1976	301.9	14.0	11.9	327.8	142.3	3.2	182.2	18.7	163.5	5,623	29.1	18.9	10.1	53.4	34.2
		1977	319.0	15.8	8.7	343.5	151.0	5.4	187.1	20.2	166.9	6,197	26.9	17.4	9.5	54.1	36.5
		1978	356.7	16.6	15.8	389.1	165.5	9.6	214.0	24.4	189.6	6,921	27.4	17.4	9.9	64.0	42.9	83
333 (3)(4)	Compressors and fluid power equipment	1976	369.6	39.1	16.1	424.8	191.4	12.0	221.4	26.9	194.5	5,615	34.6	21.3	13.2	60.2	43.8
		1977	429.1	51.2	21.4	501.7	248.4	9.1	244.3	31.1	213.1	6,081	35.1	21.6	13.3	68.6	49.3
		1978	506.7	61.6	15.0	583.3	289.1	15.3	278.9	40.7	238.2	6,709	35.5	21.2	14.2	76.9	59.6	70

Cost of industrial services, increase during the year of materials, stores and fuel (d)	Net output	Cost of non-industrial services, rates, motor vehicle licences	Gross value added at factor cost		Employment			Wages and salaries		Percentage response in 1978
			Total	per head	Total (e)	Operatives	Others (f)	Operatives	Others (f)	
£ million	£ million	£ million	£ million	£	Thousand	Thousand	Thousand	£ million	£ million	%
2.2	70.2	10.3	59.9	5,147	11.6	8.4	3.2	16.7	10.2	
2.9	85.8	13.4	72.4	6,346	11.4	8.3	3.1	19.6	11.2	
2.3	101.5	16.5	85.0	7,268	11.7	8.7	3.0	22.8	11.9	73
-6.2	118.2	16.9	101.3	7,104	14.3	7.5	6.8	29.3	25.4	
-1.3	113.6	17.2	96.3	6,782	14.2	7.4	6.8	31.6	26.4	
3.3	119.6	23.8	95.8	7,487	12.8	8.0	4.8	34.8	29.0	65
-68.9	2,903.6	356.8	2,546.8	5,418	470.1	352.2	116.0	1,173.8	443.0	
287.4	2,944.5	408.7	2,535.9	5,421	467.8	349.0	116.9	1,288.6	492.1	
248.7	3,320.8	472.5	2,848.4	6,278	453.7	336.9	115.1	1,432.3	549.9	79
-72.0	1,421.6	208.7	1,212.9	5,206	233.0	172.2	60.5	615.1	242.6	
208.2	1,330.9	231.0	1,099.9	4,709	233.6	172.1	61.2	668.9	267.3	
167.9	1,494.5	258.4	1,236.2	5,561	222.3	162.4	59.6	725.4	293.9	86
4.2	311.6	34.9	276.7	5,998	46.1	33.8	12.2	113.5	44.7	
19.6	294.4	39.5	254.9	5,615	45.4	33.2	12.1	123.1	49.3	
23.7	370.7	49.2	321.4	6,868	46.8	34.3	12.4	145.4	56.6	81
16.0	399.0	41.1	357.9	4,541	78.8	63.2	14.8	190.5	50.2	
31.2	425.9	48.9	377.0	4,948	76.2	60.8	14.7	211.2	56.0	
22.5	523.9	58.8	465.1	6,176	75.3	59.4	15.2	235.3	65.6	61
-6.3	365.7	36.8	328.9	6,376	51.6	39.1	12.2	124.7	45.9	
13.1	454.7	46.3	408.4	7,794	52.4	39.2	12.9	141.9	55.0	
25.9	463.7	54.8	409.0	8,019	51.0	38.4	12.4	163.5	61.4	69
0.1	239.6	22.2	217.4	5,202	41.8	30.8	10.7	90.4	39.6	
16.3	258.6	26.4	232.2	5,667	41.0	30.4	10.3	97.7	41.6	
17.4	297.4	33.7	263.7	6,693	39.4	29.3	9.8	109.2	45.8	83
-10.9	166.1	13.1	153.0	8,147	18.8	13.1	5.6	39.6	20.0	
-1.0	180.0	16.6	163.5	8,516	19.2	13.3	5.7	45.8	22.9	
-8.7	170.6	17.6	153.0	8,097	18.9	13.1	5.7	53.5	26.6	82
346.2	5,442.1	659.9	4,782.1	5,216	916.9	595.3	310.7	1,783.7	1,097.8	
348.7	6,469.4	802.4	5,667.0	6,137	923.4	593.3	318.7	2,007.2	1,235.7	
656.0	7,681.4	958.7	6,722.6	7,297	921.3	583.1	327.5	2,292.0		

TABLE 1 Output, costs and employment, 1976-1978
All United Kingdom establishments classified to mining, manufacturing, construction, gas, electricity and water (a)

Standard Industrial Classification Orders or minimum list heading (b)	Industry	Year	Sales of goods produced, receipts for work done and services rendered	Merchanted goods	Increase during year in work in progress and goods on hand for sale	Gross output	Cost of purchases (c)
			£ million	£ million	£ million	£ million	£ million
ORDER VII Mechanical engineering (continued)							
334	Industrial engines	1976	346.3	41.0	13.0	400.3	208.7
		1977	431.9	50.1	28.6	510.6	272.8
		1978	483.5	46.8	23.5	553.8	279.7
335	Textile machinery and accessories	1976	301.4	37.5	-1.2	337.7	146.4
		1977	285.3	35.6	7.2	328.1	150.6
		1978	323.2	57.6	3.7	384.5	182.3
336	Construction and earth-moving equipment	1976	686.2	238.4	35.3	959.9	592.2
		1977	851.6	240.1	31.1	1,122.8	720.4
		1978	980.7	191.1	41.6	1,213.4	762.7
337	Mechanical handling equipment	1976	763.2	32.6	19.8	815.6	414.6
		1977	864.2	42.8	40.7	947.7	492.6
		1978	1,056.4	53.1	35.2	1,144.7	574.7
338	Office machinery	1976	175.0	17.8	4.2	197.0	93.6
		1977	209.6	32.6	10.5	252.7	123.6
		1978	185.7	51.9	17.9	255.4	124.4
339 (1)	Mining machinery	1976	359.8	25.2	-0.7	384.3	223.2
		1977	422.4	34.9	14.0	471.3	271.9
		1978	551.3	51.3	38.5	641.1	372.6
339 (2)	Printing, bookbinding and paper goods machinery	1976	170.1	22.0	0.7	192.8	80.5
		1977	218.1	27.4	8.5	254.0	113.4
		1978	276.8	40.3	8.5	325.7	140.2
339 (3)(4)	Refrigerating machinery, space-heating, ventilating and air-conditioning equipment	1976	487.1	16.4	11.9	515.5	252.2
		1977	629.1	25.7	15.7	670.5	348.8
		1978	795.2	34.2	11.4	840.8	417.0
339 (5)(6)	Scales and weighing machinery and portable power tools	1976	140.8	7.1	2.7	150.5	64.1
		1977	147.4	15.7	0.1	163.2	73.9
		1978	176.0	16.0	5.1	197.1	79.3
339 (7)(8)	Food and drink processing machinery and packaging and bottling machinery	1976	290.3	50.7	0.2	341.2	155.4
		1977	345.5	36.4	25.8	407.7	183.6
		1978	387.5	59.0	2.7	449.2	213.1
339 (9)	Miscellaneous (non-electrical) machinery	1976	742.9	78.4	15.5	836.7	397.4
		1977	866.5	95.2	18.8	980.5	443.4
		1978	936.9	122.0	71.2	1,130.1	515.0
341	Industrial (including process) plant and steelwork	1976	1,951.0	82.2	84.9	2,118.1	812.8
		1977	2,909.5	55.2	93.4	3,058.1	1,441.8
		1978	3,188.5	71.6	102.2	3,362.3	1,220.2
342	Ordnance and small arms	1976	224.7	16.3	16.3	257.3	139.1(s)
		1977	283.1	13.1	32.7	328.9	190.3(s)
		1978	403.3	14.7	24.0	442.0	273.9
349 (1)	Ball, roller, plain and other bearings	1976	254.2	44.1	10.4	308.6	136.1
		1977	296.6	53.9	13.8	364.3	170.4
		1978	334.5	62.2	4.8	401.5	187.8
349 (2)(3)	Precision chains and other mechanical engineering	1976	1,007.3	41.0	21.5	1,069.8	420.8
		1977	1,170.3	58.2	28.9	1,257.3	492.1
		1978	1,379.4	77.8	26.6	1,483.9	582.8

TABLE 1 Output, costs and employment, 1976-1978
All United Kingdom establishments classified to mining, manufacturing, construction, gas, electricity and water (a)

Standard Industrial Classification Orders or minimum list heading (b)	Industry	Year	Sales of goods produced, receipts for work done and services rendered	Merchanted goods	Increase during year in work in progress and goods on hand for sale	Gross output	Cost of purchases (c)	Cost of industrial services, increase during the year of materials, stores and fuel (d)	Net output	Cost of non-industrial services, rates, motor vehicle licences	Gross value added at factor cost		Employment			Wages and salaries		Percentage response in 1978
											Total	per head	Total (e)	Operatives	Others (f)	Operatives	Others (f)	
											£ million	£	Thousand	Thousand	Thousand	£ million	£ million	%
334	Industrial engines	1976	346.3	41.0	13.0	400.3	208.7	9.3	182.3	13.0	169.3	5,958	28.4	17.6	10.8	52.4	36.5	
		1977	431.9	50.1	28.6	510.6	272.8	9.1	228.7	18.9	209.9	7,281	28.8	17.9	10.9	61.2	40.4	
		1978	483.5	46.8	23.5	553.8	279.7	14.5	259.6	22.4	237.2	8,208	28.9	18.2	10.6	70.5	44.3	68
335	Textile machinery and accessories	1976	301.4	37.5	-1.2	337.7	146.4	11.5	179.9	20.2	159.7	4,749	33.6	23.8	9.5	64.5	33.1	
		1977	285.3	35.6	7.2	328.1	150.6	5.8	171.7	24.0	147.7	4,935	29.9	20.9	8.7	62.9	33.0	
		1978	323.2	57.6	3.7	384.5	182.3	4.0	198.2	26.3	171.9	6,204	27.7	19.2	8.3	66.5	36.6	44
336	Construction and earth-moving equipment	1976	686.2	238.4	35.3	959.9	592.2	2.0	365.8	44.3	321.5	7,884	40.8	26.6	14.0	85.1	52.0	
		1977	851.6	240.1	31.1	1,122.8	720.4	1.2	401.2	55.0	346.2	7,786	44.5	29.1	15.2	101.7	61.3	
		1978	980.7	191.1	41.6	1,213.4	762.7	7.3	443.5	62.6	380.9	8,539	44.6	29.4	15.1	118.3	68.8	82
337	Mechanical handling equipment	1976	763.2	32.6	19.8	815.6	414.6	12.1	388.9	48.7	340.2	5,248	64.8	41.2	23.1	129.5	79.0	
		1977	864.2	42.8	40.7	947.7	492.6	2.8	452.9	54.8	397.4	6,308	63.0	39.9	22.5	133.2	82.6	
		1978	1,056.4	53.1	35.2	1,144.7	574.7	15.6	554.4	69.5	484.9	7,403	65.5	42.5	22.5	170.1	101.6	52
338	Office machinery	1976	175.0	17.8	4.2	197.0	93.6	0.3	103.1	13.4	89.7	4,537	19.8	11.1	8.6	31.9	27.6	
		1977	209.6	32.6	10.5	252.7	123.6	1.3	127.8	15.6	112.2	5,768	19.5	11.0	8.4	34.5	32.4	
		1978	185.7	51.9	17.9	255.4	124.4	2.4	128.7	17.8	110.8	6,333	17.5	10.2	7.2	36.8	31.4	39
339 (1)	Mining machinery	1976	359.8	25.2	-0.7	384.3	223.2	15.8	145.3	14.9	130.3	5,300	24.6	16.1	8.4	49.4	30.2	
		1977	422.4	34.9	14.0	471.3	271.9	11.5	187.9	19.9	168.0	6,768	24.8	16.1	8.7	55.2	34.4	
		1978	551.3	51.3	38.5	641.1	372.6	24.4	244.2	24.6	219.6	8,163	26.9	17.4	9.4	65.8	45.6	83
339 (2)	Printing, bookbinding and paper goods machinery	1976	170.1	22.0	0.7	192.8	80.5	4.9	107.3	13.7	93.7	4,927	19.0	12.2	6.6	34.4	22.9	
		1977	218.1	27.4	8.5	254.0	113.4	4.2	136.4	16.6	119.9	6,314	19.0	11.4	7.4	36.5	28.5	
		1978	276.8	40.3	8.5	325.7	140.2	5.6	180.0	23.7	156.3	8,447	18.5	11.1	7.3	44.8	34.0	59
339 (3)(4)	Refrigerating machinery, space-heating, ventilating and air-conditioning equipment	1976	487.1	16.4	11.9	515.5	252.2	-2.0	265.3	33.7	231.6	4,988	46.4	30.8	14.9	90.6	48.8	
		1977	629.1	25.7	15.7	670.5	348.8	3.7	318.1	45.6	272.5	5,743	47.5	31.8	14.9	106.0	55.8	
		1978	795.2	34.2	11.4	840.8	417.0	20.2	403.6	58.3	345.3	7,076	48.8	32.0	16.0	126.9	69.4	57
339 (5)(6)	Scales and weighing machinery and portable power tools	1976	140.8	7.1	2.7	150.5	64.1	1.5	84.9	16.3	68.6	5,050	13.6	9.5	4.0	24.7	14.3	
		1977	147.4	15.7	0.1	163.2	73.9	1.7	87.5	16.4	71.1	5,357	13.3	9.3	4.0	27.0	14.9	
		1978	176.0	16.0	5.1	197.1	79.3	6.9	110.9	11.3	99.6	7,218	13.8	9.0	4.8	29.4	20.0	55
339 (7)(8)	Food and drink processing machinery and packaging and bottling machinery	1976	290.3	50.7	0.2	341.2	155.4	14.9	170.9	21.4	149.5	4,948	30.2	17.2	12.8	51.9	44.1	
		1977	345.5	36.4	25.8	407.7	183.6	11.5	212.7	26.2	186.5	6,071	30.7	17.7	12.8	60.0	49.0	
		1978	387.5	59.0	2.7	449.2	213.1	16.6	219.4	30.2	189.2	6,393	29.6	17.4	12.0	64.0	56.5	62
339 (9)	Miscellaneous (non-electrical) machinery	1976	742.9	78.4	15.5	836.7	397.4	15.2	424.2	55.3	368.9	4,723	78.1	49.0	28.1	139.2	93.9	
		1977	866.5	95.2	18.8	980.5	443.4	20.7	516.4	70.3	446.1	5,749	77.6	48.7	27.8	158.4	104.0	
		1978	936.9	122.0	71.2	1,130.1	515.0	33.0	582.1	79.9	502.2	6,652	75.5	46.2	28.3	172.7	123.7	61
341	Industrial (including process) plant and steelwork	1976	1,951.0	82.2	84.9	2,118.1	812.8	190.4	1,114.9	154.3	960.6	5,853	164.1	99.9	62.8	340.9	253.6	
		1977	2,909.5	55.2	93.4	3,058.1	1,441.8	205.0	1,411.4	194.8	1,216.6	7,102	171.3	101.3	68.5	408.7	289.0	
		1978	3,188.5	71.6	102.2	3,362.3	1,220.2	403.8	1,738.3	230.4	1,507.9	8,844	170.5	98.1	70.8	462.3	369.4	54
342	Ordnance and small arms	1976	224.7	16.3	16.3	257.3	139.1(s)	4.3(s)	113.9	7.5	106.4	5,450	19.5	14.3	5.2	45.3	20.0	
		1977	283.1	13.1	32.7	328.9	190.3(s)	6.1(s)	132.5	6.9	125.6	6,271	20.0	14.6	5.3	50.1	21.9	
		1978	403.3	14.7	24.0	442.0	273.9	-4.1	172.2	9.1	163.1	6,911	23.6	15.7	7.8	60.8	38.5	88
349 (1)	Ball, roller, plain and other bearings	1976	254.2	44.1	10.4	308.6	136.1	3.1	169.5	17.0	152.5	4,758	32.0	23.5	8.5	70.1	30.4	
		1977	296.6	53.9	13.8	364.3	170.4	3.2	190.7	18.6	172.1	5,311	32.4	23.8	8.6	77.4	33.4	
		1978	334.5	62.2	4.8	401.5	187.8	6.1	207.6	22.2								

TABLE 1 Output, costs and employment, 1976-1978
All United Kingdom establishments classified to mining, manufacturing, construction, gas, electricity and water (a)

Standard Industrial Classification Orders or minimum list heading (b)	Industry	Year	Sales of goods produced, receipts for work done and services rendered	Merchanted goods	Increase during year in work in progress and goods on hand for sale	Gross output	Cost of purchases (c)	Gross value added at factor cost		Employment			Wages and salaries		Percentage response in 1978
								Total	per head	Total (e)	Operatives	Others (f)	Operatives	Others (f)	
			£ million	£ million	£ million	£ million	£ million	£	Thousand	Thousand	Thousand	£ million	£ million	%	
ORDER VIII	Instrument engineering	1976	1,208.6	115.6	34.0	1,358.4	564.9								
		1977	1,510.5	166.6	51.8	1,728.9	752.2								
		1978	1,767.6	193.4	67.2	2,028.4	883.2								
351	Photographic and document copying equipment	1976	124.3	13.5	0.3	138.1	87.4								
		1977	132.8	11.3	5.0	149.1	90.7								
		1978	211.8	12.6	18.0	242.5	163.8								
352	Watches and clocks	1976	82.6	2.9	5.1	90.7	36.8								
		1977	108.6	2.8	5.5	116.9	58.0								
		1978	111.4	3.4	-2.2	112.7	36.2								
353	Surgical instruments and appliances	1976	200.9	29.9	2.4	233.3	97.6								
		1977	234.2	59.9	9.0	303.1	137.3								
		1978	279.8	54.6	12.0	346.4	153.2								
354	Scientific and industrial instruments and systems	1976	800.8	69.3	26.2	896.3	343.1								
		1977	1,034.9	92.6	32.3	1,159.8	466.2								
		1978	1,164.6	122.8	39.4	1,326.8	530.0								
ORDER IX	Electrical engineering	1976	7,442.9	601.6	221.4	8,265.7	4,215.6								
		1977	8,540.2	852.4	205.2	9,597.5	4,895.2								
		1978	9,691.6	1,044.4	278.5	11,014.5	5,517.4								
361	Electrical machinery	1976	1,424.9	151.1	94.4	1,670.3	814.9								
		1977	1,710.2	171.1	34.8	1,916.1	952.7								
		1978	2,001.5	224.4	96.3	2,322.3	1,166.5								
362	Insulated wires and cables	1976	741.3	(m)	21.6	762.9	500.5								
		1977	951.0	22.9	4.3	978.1	597.2								
		1978	823.3	71.1	13.4	907.8	570.4								
363	Telegraph and telephone apparatus and equipment	1976	719.1	(m)	-1.6	717.4	307.4								
		1977	603.6	41.8	3.2	648.6	252.1								
		1978	749.7	51.2	10.6	811.5	321.1								
364	Radio and electronic components	1976	848.3	146.5	12.8	1,007.7	465.1								
		1977	995.1	198.2	22.5	1,215.8	583.0								
		1978	1,107.8	232.7	18.4	1,359.0	629.8								
365 (1)	Gramophone records and tape recordings	1976	141.8	(m)	1.3	143.2	45.3								
		1977	122.8	20.7	1.6	145.2	43.6								
		1978	149.2	30.4	2.1	181.7	54.2								
365 (2)	Broadcast receiving and sound reproducing equipment	1976	503.1	22.6	6.7	532.4	375.5								
		1977	531.3	22.6	26.2	580.0	395.2								
		1978	639.7	52.3	-7.0	685.0	493.7								
366	Electronic computers	1976	592.8	53.8	13.2	659.9	355.9								
		1977	680.9	54.9	-4.9	730.9	384.2								
		1978	779.5	43.7	15.0	838.2	446.0								
367	Radio, radar and electronic capital goods	1976	902.0	96.8	55.5	1,054.2	442.7								
		1977	1,107.6	118.7	49.3	1,275.5	547.4								
		1978	1,335.3	183.6	95.4	1,569.3	613.3								
368	Electrical appliances primarily for domestic use	1976	647.5	63.7	-2.7	708.5	414.4								
		1977	764.5	80.6	34.9	880.0	548.1								
		1978	852.5	90.5	-1.5	941.5	561.1								

Cost of industrial services, increase during the year of materials, stores and fuel (d)	Net output	Cost of non-industrial services, rates, motor vehicle licences	Gross value added at factor cost		Employment			Wages and salaries		Percentage response in 1978
			Total	per head	Total (e)	Operatives	Others (f)	Operatives	Others (f)	
£ million	£ million	£ million	£ million	£	Thousand	Thousand	Thousand	£ million	£ million	%
20.4	773.0	92.1	680.8	4,424	153.9	93.3	58.6	232.5	197.1	
21.6	955.2	123.4	831.8	5,157	161.3	96.3	62.9	269.2	238.0	
29.2	1,116.0	127.3	988.7	6,285	157.3	94.6	60.6	309.7	262.7	59
2.7	48.0	8.4	39.5	4,291	9.2	5.4	3.7	17.3	14.7	
9.2	49.2	11.2	38.0	4,101	9.3	5.4	3.8	19.4	17.0	
3.2	75.5	11.3	64.2	6,359	10.1	5.5	4.5	22.3	23.2	76
0.5	53.4	4.7	48.7	4,191	11.6	8.4	3.1	19.7	11.2	
1.2	57.8	6.1	51.7	4,037	12.8	9.4	3.3	25.9	12.2	
2.6	73.9	4.9	69.0	5,703	12.1	9.5	2.5	29.2	10.8	75
2.2	133.4	13.6	119.8	3,768	31.8	22.9	8.1	52.0	25.5	
-1.4	167.2	20.8	146.4	4,768	30.7	21.1	8.8	54.1	30.2	
-0.9	194.1	22.0	172.1	5,446	31.6	21.7	9.1	68.2	37.2	50
15.0	538.2	65.4	472.8	4,666	101.3	56.6	43.7	143.5	145.7	
12.6	681.0	85.3	595.7	5,491	108.5	60.4	47.0	169.8	178.6	
24.3	772.5	89.1	683.4	6,602	103.5	57.9	44.5	190.0	191.5	58
121.7	3,928.3	405.4	3,523.0	4,988	706.3	457.9	245.4	1,170.3	854.8	
154.5	4,547.6	514.3	4,033.2	5,729	704.0	456.4	244.6	1,296.8	945.2	
245.9	5,251.2	588.3	4,663.0	6,574	709.3	454.3	251.6	1,522.8	1,151.9	66
28.2	827.3	70.4	756.9	5,285	143.2	90.1	52.4	252.0	178.0	
27.6	935.8	79.3	856.5	6,078	140.9	88.3	51.9	272.2	195.8	
39.2	1,116.7	93.2	1,023.5	7,068	144.8	87.9	56.1	321.1	242.9	76
13.2	249.1	28.0	221.1	5,276	41.9	29.3	12.6	87.8	44.3	
37.6	343.2	45.9	297.3	6,667	44.6	30.4	14.2	106.1	54.0	
30.5	306.9	35.8	271.1	6,987	38.8	26.3	12.5	112.6	60.6	73
12.7	397.3	34.9	362.4	4,448	81.5	54.1	27.3	143.6	94.2	
1.1	395.3	37.7	357.7	5,029	71.1	45.2	25.8	134.5	100.9	
28.5	461.9	52.1	409.8	5,295	77.4	49.3	28.0	188.6	130.4	31
6.9	535.6	52.9	482.8	4,401	109.7	77.3	31.7	158.7	106.8	
18.8	613.9	62.5	551.5	4,936	111.7	77.6	33.4	182.3	125.0	
16.6	712.5	69.7	642.8	5,875	109.4	76.5	32.2	210.0	151.5	73
26.0	71.9	13.5	58.4	7,654	7.6	5.3	2.3	13.8	7.5	
22.2	79.4	20.9	58.5	8,244	7.1	5.2	1.9	17.2	6.5	
25.5	102.0	21.6	80.5	11,175	7.2	5.3	1.9	18.9	7.3	55
-8.8	165.7	35.0	130.7	3,485	37.5	25.5	11.9	57.7	37.7	
1.7	183.1	35.2	147.9	4,093	36.1	25.0	11.0	61.4	38.8	
16.2	175.1	36.4	138.7	4,295	32.3	23.2	8.7	69.0	40.9	70
12.0	292.0	20.8	271.2	10,144	26.7	11.2	15.5	34.6	67.4	
9.3	337.4	28.9	308.5	11,656	26.5	11.2	15.2	39.9	73.4	
11.4	380.8	29.9	350.9	12,811	27.4	10.8	16.5	41.3	88.3	40
23.4	588.1	57.9	530.2	5,506	96.3	45.4	50.4	127.3	177.7	
17.9	710.3	79.0	631.2	6,428	98.2	47.3	50.5	150.7	200.1	
51.1	904.9	104.5	800.4	7,616	105.1	50.0	54.7	176.8	253.8	63
5.9	288.1	43.1	245.0	4,146	59.1	40.8	18.1	101.6	59.6	
13.6	318.3	59.0	259.3	4,210	61.6	44.0	17.4	123.9	64.3	
17.5	362.8	74.1	288.7	4,764	60.6	42.7	17.7	134.5	74.5	74

TABLE 1 Output, costs and employment, 1976-1978
All United Kingdom establishments classified to mining, manufacturing, construction, gas, electricity and water (a)

Standard Industrial Classification Orders or minimum list heading (b)	Industry	Year	Sales of goods produced, receipts for work done and services rendered	Merchanted goods	Increase during year in work in progress and goods on hand for sale	Gross output	Cost of purchases (c)
			£ million	£ million	£ million	£ million	£ million
ORDER IX Electrical engineering (continued)							
369 (1)	Electrical equipment for motor vehicles, cycles and aircraft	1976	296.6	20.4	4.6	321.5	146.1
		1977	343.7	64.2	19.9	427.8	193.9
		1978	397.0	48.4	12.1	457.5	181.4
369 (2)(3)	Primary and secondary batteries	1976	244.0	23.7	6.9	274.6	135.3
		1977	272.8	25.4	6.3	304.5	147.6
		1978	324.6	40.0	17.0	381.5	194.9
369 (4)(5)	Electric lamps, electric light fittings, wiring accessories, etc.	1976	381.5	23.0	8.7	413.1	212.5
		1977	456.7	31.3	7.1	495.0	250.2
		1978	531.5	21.1	6.7	559.2	285.0
ORDER X 370	Shipbuilding and marine engineering	1976	1,348.8	23.0	106.2	1,478.0	635.2
		1977	1,469.3	28.2	221.8	1,719.2	747.8
		1978	1,715.9	24.3	85.6	1,825.7	807.0
ORDER XI Vehicles							
380	Wheeled tractor manufacturing	1976	9,044.0	828.4	411.7	10,284.1	5,846.3
		1977	10,769.2	1,210.1	524.6	12,503.9	6,906.1
		1978	11,778.4	1,577.7	337.3	13,693.4	7,519.9
381 (1)	Motor vehicle manufacturing	1976	5,566.8	720.6	227.8	6,515.2	3,983.0
		1977	6,488.8	1,123.5	419.5	8,031.8	4,648.8
		1978	7,460.7	1,475.6	105.5	9,041.8	5,270.4
381 (2)	Trailers, caravans and freight containers	1976	301.2	10.3	4.2	315.7	219.3
		1977	389.2	13.3	14.3	416.8	279.9
		1978	425.2	14.4	7.4	447.0	299.8
382	Motor cycle, tricycle and pedal cycle manufacturing	1976	111.6	2.7	-0.5	113.8	57.1
		1977	114.9	5.1	4.0	123.9	67.0
		1978	150.8	4.4	4.6	159.8	69.6
383	Aerospace equipment manufacturing and repairing	1976	2,005.8	38.9	145.9	2,190.6	904.8
		1977	2,487.2	49.7	55.1	2,592.0	1,092.2
		1978	2,400.8	41.4	201.7	2,643.9	1,118.7
384, 385	Locomotives, railway track equipment, railway carriages, wagons and trams	1976	293.9	11.8	7.5	313.2	151.5
		1977	318.8	18.5	28.2	365.6	176.6
		1978	403.3	14.5	8.7	426.5	193.4
ORDER XII Metal goods not elsewhere specified							
390	Engineers' small tools and gauges	1976	5,574.7	293.6	123.8	5,992.2	3,274.2
		1977	6,751.4	373.9	170.5	7,295.9	3,953.7
		1978	7,827.9	451.1	73.4	8,352.3	4,590.7
391	Hand tools and implements	1976	386.6	24.7	13.8	425.1	136.1
		1977	508.7	25.7	17.1	551.5	188.0
		1978	598.0	55.8	23.7	677.5	252.1
392	Cutlery, spoons, forks and plated tableware, etc.	1976	130.1	15.9	3.2	149.3	62.4
		1977	152.2	16.3	6.2	174.7	75.3
		1978	177.9	17.1	2.0	196.9	79.6

Cost of industrial services, increase during the year of materials, stores and fuel (d)	Net output	Cost of non-industrial services, rates, motor vehicle licences	Gross value added at factor cost		Employment			Wages and salaries		Percentage response in 1978
			Total	per head	Total (e)	Operatives	Others (f)	Operatives	Others (f)	
£ million	£ million	£ million	£ million	£	Thousand	Thousand	Thousand	£ million	£ million	%
1.3	174.1	13.7	160.4	4,159	38.6	30.0	8.5	75.3	32.2	
2.0	232.0	25.6	206.3	4,959	41.6	32.8	8.8	78.3	33.1	
4.1	272.0	23.8	248.2	5,854	42.4	32.7	9.6	90.9	43.3	85
-0.9	140.2	12.8	127.5	6,749	18.9	13.8	5.1	40.6	18.2	
1.5	155.3	12.6	142.7	7,631	18.7	13.6	5.1	42.5	18.9	
0.4	186.2	21.0	165.2	7,866	21.0	15.3	5.7	55.4	24.7	78
1.8	198.9	22.4	176.4	3,897	45.3	35.1	9.6	77.3	31.2	
1.2	243.6	27.7	215.8	4,702	45.9	35.8	9.4	87.8	34.4	
4.9	269.4	26.2	243.2	5,669	42.9	34.3	8.0	103.7	33.7	64
88.5	754.3	57.0	697.3	3,914	178.2	137.2	40.2	444.2	157.7	
97.8	873.6	65.9	807.7	4,665	173.1	133.2	39.2	460.0	165.9	
142.0	876.8	69.0	807.8	4,582	176.3	134.3	41.2	564.4	207.7	71
211.9	4,225.9	412.3	3,813.8	4,967	767.8	542.7	223.1	1,753.5	867.2	
331.1	5,266.8	525.7	4,741.4	5,986	792.1	562.9	227.5	1,960.0	974.4	
412.7	5,760.9	599.1	5,161.9	6,741	765.8	540.1	223.7	2,133.2	1,117.4	89
8.5	296.5	24.3	272.2	8,221	33.1	24.9	8.2	90.1	35.1	
16.1	316.1	27.0	289.2	8,346	34.6	26.1	8.5	96.8	40.6	
27.3	379.1	27.5	351.6	10,311	34.1	25.5	8.5	102.0	45.6	95
26.8	2,505.5	259.9	2,245.6	4,950	453.7	351.1	101.2	1,146.0	409.8	
87.2	3,295.9	326.2	2,969.8	6,260	474.4	370.8	102.2	1,306.8	462.6	
104.0	3,667.4	396.4	3,271.0	6,980	468.6	359.0	108.2	1,433.5	573.1	88
-8.7	105.1	10.9	94.3	5,109	18.5	14.4	3.9	42.0	13.2	
-3.5	104.4	14.9	125.5	6,427	19.5	15.2	4.2	52.0	16.2	
5.1	142.2	19.7	122.5	6,346	19.3	14.8	4.4	57.6	19.4	64
1.9	54.8	5.5	49.3	3,823	12.9	9.5	3.3	23.2	9.9	
-4.1	61.0	6.6	54.5	4,218	12.9	9.8	3.1	23.2	11.1	
6.8	83.4	6.1	77.4	5,730	13.5	10.4	3.0	32.7	12.3	82
184.2	1,101.5	103.6	998.0	4,824	206.9	108.0	98.6	346.6	369.5	
235.7	1,264.2	139.7	1,124.5	5,388	208.7	106.6	101.9	368.9	412.6	
264.4	1,260.8	137.6	1,123.2	5,955	188.6	96.1	92.3	380.2	432.9	90
-0.8	162.5	8.1	154.4	3,614	42.7	34.8	7.9	105.6	29.7	
-0.3	189.2	11.3	177.9	4,241	42.0	34.4	7.6	112.3	31.3	
5.1	228.0	11.8	216.2	5,186	41.7	34.3	7.3	127.2	34.1	96
-12.9	2,730.5	320.0	2,410.6	4,605	523.5	389.4	123.2	1,005.2	403.3	
137.7	3,204.5	435.2	2,769.4	5,257	526.8	391.2	124.5	1,145.0	458.7	
146.0	3,615.4	501.4	3,114.2	6,062	513.7	376.9	127.1	1,243.1	540.8	54
7.0	282.0	27.3	254.6	4,207	60.5	44.1	14.9	122.9	50.0	
9.5	354.0	35.5	318.5	5,196	61.3	44.8	15.0	137.2	57.3	
11.0	414.4	40.3	374.1	5,985	62.5	45.5	16.5	162.8	69.4	50
2.5	84.3	10.2	74.2	4,262	17.4	13.0	4.0	30.8	11.6	
2.1	97.3	12.6	84.7	4,973	17.0	12.8	3.9	33.4	12.5	
2.8	114.5	13.3	101.2	5,953	17.0	12.3	4.4	36.4	17.0	70
0.8	71.0	11.0	59.9	4,608	13.0	10.0	2.9	22.6	10.7	
0.7	85.5	18.0	67.6	4,723	14.1	10.7	3.2	25.5	12.6	
3.6	90.7	17.7	73.0	5,570	13.1	9.8	3.1	27.4	14.7	66

TABLE 1 Output, costs and employment, 1976-1978
All United Kingdom establishments classified to mining, manufacturing, construction, gas, electricity and water (a)

Standard Industrial Classification Orders or minimum list heading (b)	Industry	Year	Sales of goods produced, receipts for work done and services rendered	Merchanted goods	Increase during year in work in progress and goods on hand for sale	Gross output	Cost of purchases (c)	Gross value added at factor cost		Employment			Wages and salaries		Percentage response in 1978		
								Total	per head	Total (e)	Operatives	Others (f)	Operatives	Others (f)			
			£ million	£ million	£ million	£ million	£ million	£ million	£	Thousand	Thousand	Thousand	£ million	£ million	%		
ORDER XII Metal goods not elsewhere specified (continued)																	
393	Bolts, nuts, screws, rivets, etc.	1976	310.9	27.0	11.4	349.3	167.5	7.3	174.4	22.1	152.3	4,426	34.4	25.3	8.8	64.8	28.3
		1977	353.8	25.7	8.9	388.4	182.3	15.7	190.4	24.5	165.9	4,958	33.5	25.0	8.2	71.9	29.7
		1978	413.9	25.8	4.0	443.8	195.5	19.6	228.7	31.0	197.7	6,102	32.4	23.7	8.4	79.2	34.9	64
394	Wire and wire manufactures	1976	697.5	23.4	14.2	735.1	487.1	-2.7	250.7	28.5	222.3	5,879	37.8	28.3	9.2	82.3	31.8
		1977	799.3	24.6	6.8	830.6	561.8	18.4	250.5	35.9	214.5	5,631	38.1	28.8	9.0	93.4	35.3
		1978	928.7	30.0	8.6	967.3	650.5	13.2	303.6	47.4	256.2	6,654	38.5	28.5	9.7	109.6	43.1	69
395	Cans and metal boxes	1976	452.2	5.6	8.6	466.4	323.4	-7.3	150.3	18.1	132.1	4,608	28.7	23.2	5.4	62.7	20.0
		1977	575.6	(m)	12.3	587.9	392.2	-1.3	197.0	23.3	173.7	5,683	30.6	24.6	5.9	77.2	25.8
		1978	669.5	4.3	0.4	674.1	439.2	12.1	222.8	27.0	195.8	6,175	31.7	25.5	6.2	94.4	32.0	80
396	Jewellery and precious metals	1976	513.0	30.3	13.2	556.5	439.3	-27.4	144.5	16.1	128.4	6,715	19.1	12.5	5.8	32.1	20.7
		1977	597.5	36.8	41.5	675.9	480.4	16.8	178.7	37.2	141.5	7,275	19.4	12.3	6.2	36.8	22.6
		1978	883.0	59.8	-33.2	909.6	713.6	-3.6	199.6	46.8	152.9	8,132	18.8	11.2	6.8	38.4	29.5	45
399 (1)	Metal furniture	1976	160.2	7.1	-0.9	166.4	77.6	6.7	82.1	12.8	69.3	3,665	18.9	14.0	4.7	29.0	12.8
		1977	220.1	15.6	4.6	240.3	131.0	2.6	106.7	14.8	91.9	5,023	18.3	13.5	4.6	38.2	15.3
		1978	275.1	19.5	4.4	299.0	163.0	5.2	130.7	23.0	107.7	5,851	18.4	12.4	5.8	41.5	24.4	53
399 (5)	Drop forgings, etc.	1976	327.8	1.9	8.1	337.8	189.2	-2.3	150.9	12.8	138.2	5,173	26.7	21.5	5.2	70.6	17.5
		1977	375.6	2.7	8.6	387.0	212.4	9.4	165.1	15.2	150.0	5,629	26.6	21.5	5.1	77.7	18.9
		1978	374.4	2.6	3.7	380.7	206.8	13.1	160.8	20.0	140.8	5,653	24.9	19.9	4.9	85.4	20.3	78
399 (6)(7)	Metal hollow-ware	1976	205.1	3.4	1.7	210.1	120.1	-5.6	95.6	11.7	84.0	5,283	15.9	12.6	3.0	33.8	10.8
		1977	251.3	3.2	3.0	257.5	141.6	3.3	112.6	13.7	98.9	6,104	16.2	12.8	3.1	39.1	12.0
		1978	269.3	3.9	2.0	275.2	150.2	0.9	124.0	15.3	108.8	7,204	15.1	11.8	3.0	41.8	14.0	65
399 (2)(3) (4)(8)(9)(10) (11)(12)	Miscellaneous metal manufacture	1976	2,289.2	136.9	47.1	2,473.2	1,220.3	8.1	1,244.7	149.4	1,095.3	4,362	251.1	184.9	59.3	453.6	189.1
		1977	2,789.8	189.7	58.0	3,037.4	1,510.2	60.5	1,466.7	204.5	1,262.2	5,015	251.7	184.4	60.3	514.6	216.7
		1978	3,106.6	201.8	53.0	3,361.4	1,667.7	68.1	1,625.6	219.6	1,406.0	5,827	241.3	176.3	58.3	526.2	241.5	43
ORDER XIII Textiles																	
411	Production of man-made fibres	1976	5,462.8	232.0	108.6	5,803.3	3,340.5	118.8	2,344.2	268.0	2,076.2	4,008	518.0	419.0	95.6	964.1	307.0
		1977	6,160.6	247.4	108.1	6,516.3	3,798.3	253.1	2,464.8	313.2	2,151.4	4,281	502.6	406.5	92.6	1,038.6	332.2
		1978	6,650.8	322.2	55.5	7,028.1	3,980.2	222.7	2,825.3	333.5	2,491.7	5,066	491.8	396.1	92.4	1,148.1	381.8	69
412	Spinning and doubling on the cotton and flax systems	1976	784.6	21.5	8.4	814.5	470.7	28.6	315.3	61.4	253.8	6,203	40.9	32.2	8.7	115.9	43.4
		1977	760.6	29.6	-2.7	787.5	495.0	28.7	263.8	66.7	197.0	5,203	37.9	29.8	8.1	113.2	46.1
		1978	795.4	33.0	-6.4	822.0	490.8	28.8	302.4	61.2	241.2	7,202	33.5	26.3	7.2	119.5	46.8	88
413	Weaving of cotton, linen and man-made fibres	1976	543.9	7.5	13.8	565.2	343.8	-3.3	224.9	17.8	207.1	3,901	53.1	45.6	7.4	99.0	23.3
		1977	582.3	6.9	1.4	590.6	356.4	21.0	213.2	19.0	194.2	3,904	49.7	42.8	6.8	102.9	23.0
		1978	579.3	18.8	0.4	598.4	372.6	4.8	221.0	19.2	201.8	4,276	47.2	40.6	6.5	111.0	27.3	69
414	Woollen and worsted	1976	501.8	21.7	4.3	527.7	342.0	14.8	170.8	18.9	152.0	3,496	43.5	37.0	6.3	82.5	19.4
		1977	586.7	24.3	15.3	626.4	409.8	27.0	189.7	21.3	168.4	3,970	42.4	36.0	6.2	89.0	21.5
		1978	632.9	23.8	-3.1	653.5	523.2	26.5	203.8	23.0	180.8	4,520	40.0	33.8	6.0	96.8	24.0	66
415	Jute	1976	1,026.9	47.7	34.0	1,108.6	685.0	25.0	398.6	33.4	365.3	4,139	88.3	74.4	13.2	169.1	42.1
		1977	1,206.5	28.5	27.4	1,262.4	768.5	65.9	428.0	38.3	389.4	4,587	84.9	71.7	12.5	178.0	43.6
		1978	1,239.5	34.3	18.3	1,292.2	757.7	52.3	482.2	42.0	440.2	5,394	81.6	68.6	12.4	193.4	49.2	74
416	Rope, twine and net	1976	79.9	7.8	-0.4	87.3	49.9	0.7	36.7	3.0	33.8	4,102	8.2	6.9	1.3	15.4	4.3
		1977	92.2	7.0	1.3	100.5	59.3	0.4	40.8	3.7	37.2	4,586	8.1	6.8	1.3	16.7	4.8
		1978	101.1	7.6	0.4	109.1	65.7	3.6	39.8	4.2	35.5	4,437	8.0	6.6	1.4	18.6	5.6	87
416	Rope, twine and net	1976	51.5	4.7	1.2	57.4	38.1	-1.0	20.3	3.4	16.8	3,150	5.3	4.6	0.7	9.2	1.7
		1977	64.6	9.5	1.0	75.1	48.8	0.8	25.5	5.4	20.1	3,637	5.5	4.6	0.9	10.4	2.6
		1978	72.0	5.9	1.6	79.4	50.5	0.7	28.3	5.5	22.7	4,130	5.5	4.5	0.9	11.6	2.8	65

TABLE 1 Output, costs and employment, 1976-1978
All United Kingdom establishments classified to mining, manufacturing, construction, gas, electricity and water (a)

Standard Industrial Classification Orders or minimum list heading (b)	Industry	Year	Sales of goods produced, receipts for work done and services rendered	Merchanted goods	Increase during year in work in progress and goods on hand for sale	Gross output	Cost of purchases (c)	Gross value added at factor cost		Employment			Wages and salaries		Percentage response in 1978		
								Total	per head	Total (e)	Operatives	Others (f)	Operatives	Others (f)			
			£ million	£ million	£ million	£ million	£ million	£	Thousand	Thousand	Thousand	£ million	£ million	%			
ORDER XIII Textiles (continued)																	
411	Production of man-made fibres	1976	784.6	21.5	8.4	814.5	470.7	28.6	315.3	61.4	253.8	6,203	40.9	32.2	8.7	115.9	43.4
		1977	760.6	29.6	-2.7	787.5	495.0	28.7	263.8	66.7	197.0	5,203	37.9	29.8	8.1	113.2	46.1
		1978	795.4	33.0	-6.4	822.0	490.8	28.8	302.4	61.2	241.2	7,202	33.5	26.3	7.2	119.5	46.8	88
412	Spinning and doubling on the cotton and flax systems	1976	543.9	7.5	13.8	565.2	343.8	-3.3	224.9	17.8	207.1	3,901	53.1	45.6	7.4	99.0	23.3
		1977	582.3	6.9	1.4	590.6	356.4	21.0	213.2	19.0	194.2	3,904	49.7	42.8	6.8	102.9	23.0
		1978	579.3	18.8	0.4	598.4	372.6	4.8	221.0	19.2	201.8	4,276	47.2	40.6	6.5	111.0	27.3	69
413	Weaving of cotton, linen and man-made fibres	1976	501.8	21.7	4.3	527.7	342.0	14.8	170.8	18.9	152.0	3,496	43.5	37.0	6.3	82.5	19.4
		1977	586.7	24.3	15.3	626.4	409.8	27.0	189.7	21.3	168.4	3,970	42.4	36.0	6.2	89.0	21.5
		1978	632.9	23.8	-3.1	653.5	523.2	26.5	203.8	23.0	180.8	4,520	40.0	33.8	6.0	96.8	24.0	66
414	Woollen and worsted	1976	1,026.9	47.7	34.0	1,108.6	685.0	25.0	398.6	33.4	365.3	4,139	88.3	74.4	13.2	169.1	42.1
		1977	1,206.5	28.5	27.4	1,262.4	768.5	65.9	428.0	38.3	389.4	4,587	84.9	71.7	12.5	178.0	43.6
		1978	1,239.5	34.3	18.3	1,292.2	757.7	52.3	482.2	42.0	440.2	5,394	81.6	68.6	12.4	193.4	49.2	74
415	Jute	1976	79.9	7.8	-0.4	87.3	49.9	0.7	36.7	3.0	33.8	4,102	8.2	6.9	1.3	15.4	4.3
		1977	92.2	7.0	1.3	100.5	59.3	0.4	40.8	3.7	37.2	4,586	8.1	6.8	1.3	16.7	4.8
		1978	101.1	7.6	0.4	109.1	65.7	3.6	39.8	4.2	35.5	4,437	8.0	6.6	1.4	18.6	5.6	87
416	Rope, twine and net	1976	51.5	4.7	1.2	57.4	38.1	-1.0	20.3	3.4	16.8	3,150	5.3	4.6	0.7	9.2	1.7

TABLE 1 Output, costs and employment, 1976-1978
All United Kingdom establishments classified to mining, manufacturing, construction, gas, electricity and water (a)

Standard Industrial Classification Orders or minimum list heading (b)	Industry	Year	Sales of goods produced, receipts for work done and services rendered	Merchanted goods	Increase during year in work in progress and goods on hand for sale	Gross output	Cost of purchases (c)	Gross value added at factor cost		Employment		Wages and salaries		Percentage response in 1978	
								Total	per head	Total (e)	Operatives (f)	Others (f)	Operatives		Others (f)
			£ million	£ million	£ million	£ million	£ million	£ million	£	Thousand	Thousand	£ million	£ million	%	
ORDER XIII Textiles (continued)															
417 (1)	Hosiery and other knitted goods	1976	788.0	16.0	20.4	824.4	425.7	345.8	3,075	112.5	90.9	20.9	165.2	55.0	
		1977	981.5	22.4	31.1	1,035.1	539.3	413.2	3,682	112.2	91.2	20.3	191.8	61.7	
		1978	1,096.1	23.8	19.9	1,139.8	564.9	485.0	4,178	116.1	94.4	20.9	223.2	76.7	61
417 (2)	Warp knitting	1976	153.7	6.1	1.3	161.1	97.7	46.0	3,759	12.2	9.5	2.7	26.0	8.8	
		1977	167.6	8.2	-1.0	174.8	107.7	45.8	3,799	12.1	9.4	2.6	27.2	9.2	
		1978	190.1	6.1	1.4	197.5	117.1	58.7	5,808	10.1	7.9	2.2	27.6	9.1	77
418	Lace	1976	29.6	1.6	0.8	31.9	16.4	12.5	3,233	3.9	2.9	0.8	5.5	2.1	
		1977	39.4	1.6	0.9	41.8	21.0	16.2	3,775	4.3	3.3	0.9	6.9	2.7	
		1978	48.1	2.4	0.6	51.1	24.0	21.5	5,129	4.2	3.1	1.0	7.4	4.0	70
419	Carpets	1976	531.4	23.5	8.9	563.9	340.8	186.0	4,925	37.8	28.9	8.8	84.8	32.0	
		1977	580.7	27.5	11.7	619.9	377.0	186.7	5,128	36.4	27.8	8.5	90.4	33.7	
		1978	644.2	30.4	8.8	683.4	405.1	228.8	6,217	36.8	27.9	8.8	99.7	38.5	78
421	Narrow fabrics	1976	104.5	4.0	2.4	111.0	55.0	46.8	3,602	13.0	10.3	2.6	19.3	7.1	
		1977	118.3	4.6	2.7	125.6	62.8	51.3	3,988	12.9	10.2	2.5	22.0	8.1	
		1978	144.6	8.6	1.6	154.8	79.1	58.4	4,456	13.1	10.3	2.7	25.5	9.8	72
422 (1)	Household textiles and handkerchiefs	1976	196.9	10.1	3.0	210.0	127.9	64.8	3,140	20.6	17.0	3.2	26.7	9.1	
		1977	223.0	11.8	6.2	241.1	146.1	72.5	3,865	18.7	15.2	3.1	28.7	9.9	
		1978	247.3	39.0	4.4	290.6	175.7	93.5	4,945	18.9	15.3	3.2	34.3	12.1	42
422 (2)	Canvas goods and sacks and other made-up textiles	1976	80.0	11.3	1.4	92.7	59.0	30.2	3,150	9.6	7.3	1.9	12.3	5.6	
		1977	102.0	13.7	3.6	119.3	79.9	33.2	3,353	9.9	7.4	2.1	14.0	6.8	
		1978	103.7	21.6	0.9	126.2	82.6	38.6	4,020	9.6	7.2	2.0	16.4	7.4	30
423	Textile finishing	1976	340.7	8.8	2.4	351.9	147.0	176.3	4,023	43.8	34.8	8.7	84.6	26.5	
		1977	363.2	7.8	3.3	374.3	162.3	180.7	4,252	42.5	33.3	8.8	91.0	29.2	
		1978	415.2	15.3	1.2	431.7	183.2	212.3	5,152	41.2	32.2	8.7	98.5	33.2	69
429 (1)	Asbestos	1976	159.8	35.5	6.1	201.3	91.3	103.5	5,513	18.8	12.0	6.7	35.5	20.6	
		1977	197.0	41.0	4.5	242.5	112.8	109.5	5,796	18.9	12.4	6.5	41.8	23.2	
		1978	237.5	43.8	3.1	284.4	130.1	130.5	6,525	20.0	13.1	6.8	49.0	27.8	93
429 (2)	Miscellaneous textile industries	1976	89.6	4.2	0.6	94.4	50.2	35.5	5,483	6.5	4.7	1.7	13.1	6.0	
		1977	95.0	3.0	1.4	99.4	51.6	36.0	5,846	6.2	4.6	1.5	14.6	6.1	
		1978	103.8	7.8	2.4	114.0	57.9	42.2	7,033	6.0	4.3	1.7	15.6	7.5	68
ORDER XIV Leather, leather goods and fur															
431	Leather (tanning and dressing) and fellmongery	1976	497.2	26.4	17.7	541.3	363.8	161.9	3,827	42.3	34.1	6.9	69.9	22.9	
		1977	562.1	31.4	13.5	607.1	410.1	170.6	4,202	40.6	32.5	6.8	75.2	25.7	
		1978	618.6	46.5	8.3	673.2	447.5	196.7	5,057	38.9	30.8	7.0	80.0	29.5	47
432	Leather goods	1976	109.2	16.0	2.5	127.7	69.8	50.4	2,752	18.3	14.9	2.8	23.1	8.2	
		1977	121.7	17.7	2.8	142.2	78.6	53.4	3,072	17.4	14.0	2.7	24.3	9.3	
		1978	136.5	24.3	1.0	161.8	86.3	62.9	3,765	16.7	13.3	2.8	26.9	11.0	43
433	Fur	1976	55.9	2.4	2.9	61.1	35.9	24.1	4,757	5.1	3.9	0.7	8.9	2.4	
		1977	46.5	2.9	1.8	51.3	27.3	21.5	4,240	5.1	4.0	0.7	10.2	2.5	
		1978	62.6	5.2	2.9	70.6	35.0	30.4	5,952	5.1	3.9	0.8	11.9	3.1	34
ORDER XV Clothing and footwear															
441 (1)	Clothing and footwear	1976	2,315.5	166.1	40.4	2,522.2	1,259.0	1,092.9	2,688	406.6	343.5	56.2	554.8	157.5	
		1977	2,810.9	236.1	78.3	3,125.2	1,588.2	1,310.5	3,189	411.0	345.6	59.3	641.7	188.3	
		1978	3,241.1	262.4	41.7	3,545.5	1,809.8	1,437.8	3,664	392.4	327.9	58.1	693.0	211.8	50

TABLE 1 Output, costs and employment, 1976-1978
All United Kingdom establishments classified to mining, manufacturing, construction, gas, electricity and water (a)

Standard Industrial Classification Orders or minimum list heading (b)	Industry	Year	Sales of goods produced, receipts for work done and services rendered	Merchanted goods	Increase during year in work in progress and goods on hand for sale	Gross output	Cost of purchases (c)	Gross value added at factor cost		Employment		Wages and salaries		Percentage response in 1978	
								Total	per head	Total (e)	Operatives (f)	Others (f)	Operatives		Others (f)
			£ million	£ million	£ million	£ million	£ million	£	Thousand	Thousand	Thousand	£ million	£ million	%	
ORDER XVI Clothing and footwear (continued)															
441 (2)	Clothing and footwear	1976	788.0	16.0	20.4	824.4	425.7	345.8	3,075	112.5	90.9	20.9	165.2	55.0	
		1977	981.5	22.4	31.1	1,035.1	539.3	413.2	3,682	112.2	91.2	20.3	191.8	61.7	
		1978	1,096.1	23.8	19.9	1,139.8	564.9	485.0	4,178	116.1	94.4	20.9	223.2	76.7	61
442	Warp knitting	1976	153.7	6.1	1.3	161.1	97.7	46.0	3,759	12.2	9.5	2.7	26.0	8.8	
		1977	167.6	8.2	-1.0	174.8	107.7	45.8	3,799	12.1	9.4	2.6	27.2	9.2	
		1978	190.1	6.1	1.4	197.5	117.1	58.7	5,808	10.1	7.9	2.2	27.6	9.1	77
443	Lace	1976	29.6	1.6	0.8	31.9	16.4	12.5	3,233	3.9	2.9	0.8	5.5	2.1	
		1977	39.4	1.6	0.9	41.8	21.0	16.2	3,775	4.3	3.3	0.9	6.9	2.7	
		1978	48.1	2.4	0.6	51.1	24.0	21.5	5,129	4.2	3.1	1.0	7.4	4.0	70
444	Carpets	1976	531.4	23.5	8.9	563.9	340.8	186.0	4,925	37.8	28.9	8.8	84.8	32.0	
		1977	580.7	27.5	11.7	619.9	377.0	186.7	5,128	36.4	27.8	8.5	90.4	33.7	
		1978	644.2	30.4	8.8	683.4	405.1	228.8	6,217	36.8	27.9	8.8	99.7	38.5	78
445	Narrow fabrics	1976	104.5	4.0	2.4	111.0	55.0	46.8	3,602	13.0	10.3	2.6	19.3	7.1	
		1977	118.3	4.6	2.7	125.6	62.8	51.3	3,988	12.9	10.2	2.5	22.0	8.1	
		1978	144.6	8.6	1.6	154.8	79.1	58.4	4,456	13.1	10.3	2.7	25.5	9.8	72
446	Household textiles and handkerchiefs	1976	196.9	10.1	3.0	210.0	127.9	64.8	3,140	20.6	17.0	3.2	26.7	9.1	
		1977	223.0	11.8	6.2	241.1	146.1	72.5	3,865	18.7	15.2	3.1	28.7	9.9	
		1978	247.3	39.0	4.4	290.6	175.7	93.5	4,945	18.9	15.3	3.2	34.3	12.1	42
447 (1)	Canvas goods and sacks and other made-up textiles	1976	80.0	11.3	1.4	92.7	59.0	30.2	3,150	9.6	7.3	1.9	12.3	5.6	
		1977	102.0	13.7	3.6	119.3	79.9	33.2	3,353	9.9	7.4	2.1	14.0	6.8	
		1978	103.7	21.6	0.9	126.2	82.6	38.6	4,020	9.6	7.2	2.0	16.4	7.4	30
448 (2)	Textile finishing	1976	340.7	8.8	2.4	351.9	147.0	176.3	4,023	43.8	34.8	8.7	84.6	26.5	
		1977	363.2	7.8	3.3	374.3	162.3	180.7	4,252	42.5	33.3	8.8	91.0	29.2	
		1978	415.2	15.3	1.2	431.7	183.2	212.3	5,152	41.2	32.2	8.7	98.5	33.2	69
449	Asbestos	1976	159.8	35.5	6.1	201.3	91.3	103.5	5,513	18.8	12.0	6.7	35.5	20.6	
		1977	197.0	41.0	4.5	242.5	112.8	109.5	5,796	18.9	12.4	6.5	41.8	23.2	
		1978	237.5	43.8	3.1	284.4	130.1	130.5	6,525	20.0	13.1	6.8	49.0	27.8	93
450	Miscellaneous textile industries	1976	89.6	4.2	0.6	94.4	50.2	35.5	5,483	6.5	4.7	1.7	13.1	6.0	
		1977	95.0	3.0	1.4	99.4	51.6	36.0	5,846	6.2	4.6	1.5	14.6	6.1	
		1978	103.8	7.8	2.4	114.0	57.9	42.2	7,033	6.0	4.3	1.7	15.6	7.5	68
ORDER XVII Miscellaneous (continued)															
451 (1)	Miscellaneous	1976	497.2	26.4	17.7	541.3	363.8	161.9	3,827	42.3	34.1	6.9	69.9		

TABLE 1 Output, costs and employment, 1976-1978
All United Kingdom establishments classified to mining, manufacturing, construction, gas, electricity and water (a)

Standard Industrial Classification Orders or minimum list heading (b)	Industry	Year	Sales of goods produced, receipts for work done and services rendered	Merchanted goods	Increase during year in work in progress and goods on hand for sale	Gross output	Cost of purchases (c)	Cost of industrial services, increase during the year of materials, stores and fuel (d)		Net output		Cost of non-industrial services, rates, motor vehicle licences		Gross value added at factor cost		Employment			Wages and salaries		Percentage response in 1978		
								£ million	£ million	£ million	£ million	£ million	£ million	£ million	£ million	£	Total (e)	Operatives	Others (f)	Operatives		Others (f)	£ million	£ million	%
ORDER XV Clothing and footwear (continued)																							
441	Weatherproof outerwear	1976	111.6	5.1	0.6	117.3	58.3	1.4	57.6	5.4	52.2	2,553	20.5	17.8	2.4	26.7	6.4						
		1977	131.1	7.1	3.7	142.0	75.3	0.4	66.3	6.8	59.5	2,869	20.7	18.0	2.5	30.3	7.3						
		1978	163.2	12.1	4.1	179.4	97.2	0.3	81.9	7.3	74.6	3,713	20.1	17.1	2.8	34.7	9.1					48	
442	Men's and boys' tailored outerwear	1976	353.4	36.9	2.8	393.1	192.4	6.6	194.1	19.0	175.1	2,339	74.9	64.6	9.2	100.0	24.8						
		1977	402.9	43.2	9.0	455.1	219.4	7.1	228.6	22.9	205.7	2,610	78.8	67.4	10.5	122.9	31.7						
		1978	437.3	44.8	8.2	490.4	258.5	13.6	218.3	27.4	190.9	2,673	71.4	60.8	9.6	122.6	31.9					45	
443	Women's and girls' tailored outerwear	1976	290.0	7.2	5.5	302.7	143.7	12.5	146.6	13.9	132.7	2,705	49.0	41.5	6.4	68.8	18.2						
		1977	327.7	8.6	8.3	344.6	166.9	15.5	162.3	17.4	144.9	3,153	46.0	38.5	6.3	73.2	19.1						
		1978	404.8	18.4	8.3	431.6	206.9	28.5	196.1	18.2	177.9	4,063	43.8	36.3	6.5	81.1	22.6					30	
444	Overalls and men's shirts, underwear, etc.	1976	261.8	14.4	5.1	281.3	149.6	1.8	129.8	13.1	116.7	2,391	48.8	42.0	6.5	60.4	17.6						
		1977	320.0	19.0	15.3	354.2	198.0	4.8	151.3	16.8	134.6	2,815	47.8	40.7	6.7	69.2	21.3						
		1978	402.5	34.5	0.2	437.2	272.9	8.0	156.3	22.0	134.3	2,775	48.4	40.4	7.6	76.7	26.3					54	
445	Dresses, lingerie, infants wear, etc.	1976	556.8	19.4	11.9	588.1	290.2	30.8	267.1	24.6	242.5	2,428	99.9	84.0	13.4	117.7	34.9						
		1977	745.2	43.8	18.1	807.1	402.7	46.7	357.7	22.7	335.0	3,185	105.2	88.4	14.4	144.6	44.4						
		1978	821.6	32.0	10.4	864.0	421.0	54.0	389.0	46.3	342.7	3,501	97.9	82.4	13.0	153.6	46.3					37	
446	Hats, caps and millinery	1976	31.6	1.6	0.6	33.8	16.1	-0.3	18.0	2.3	15.7	2,721	5.8	4.7	0.8	7.1	2.2						
		1977	37.7	2.4	-	40.1	19.9	-0.2	20.5	2.5	17.9	3,190	5.6	4.6	0.9	7.9	2.8						
		1978	41.6	2.5	0.6	44.7	20.6	0.1	23.9	3.1	20.8	3,919	5.3	4.3	0.8	8.6	3.2					51	
449 (1)(3) (4)	Corsets and miscellaneous dress industries	1976	155.8	10.1	2.3	168.2	80.5	-1.3	89.1	12.0	77.0	2,934	26.3	21.3	4.4	32.8	12.2						
		1977	189.5	15.4	7.9	212.7	100.2	0.4	112.2	15.5	96.6	3,459	27.9	22.5	5.0	38.7	15.8						
		1978	213.7	23.7	1.5	238.9	115.2	-2.1	125.7	20.5	105.3	4,065	25.9	20.9	4.5	41.5	17.8					67	
449 (2)	Gloves	1976	27.3	10.9	1.2	39.5	24.3	-	15.1	1.5	13.6	2,594	5.2	4.4	0.7	6.2	2.0						
		1977	36.8	13.5	1.9	52.2	33.3	0.4	18.5	2.8	15.7	3,032	5.2	4.3	0.8	7.1	2.6						
		1978	42.5	9.5	1.4	53.5	28.0	0.6	25.0	4.0	21.0	4,117	5.1	4.2	0.8	8.1	2.8					76	
450	Footwear	1976	527.2	60.5	10.4	598.2	303.9	-4.0	298.2	30.8	267.4	3,511	76.2	63.2	12.4	135.1	39.2						
		1977	620.0	83.1	14.1	717.2	372.5	5.4	339.3	38.8	300.6	4,073	73.8	61.2	12.2	147.8	43.3						
		1978	713.9	84.9	7.0	805.8	389.5	3.2	413.1	42.8	370.3	4,970	74.5	61.5	12.5	166.1	51.8					75	
ORDER XVI Bricks, pottery, glass, cement, etc.		1976	3,114.9	155.2	54.5	3,324.5	1,451.8	39.3	1,833.2	292.2	1,541.3	5,962	258.5	195.6	60.2	577.9	213.8						
		1977	3,758.1	165.9	74.0	3,998.1	1,795.8	62.0	2,140.2	365.4	1,774.9	6,769	262.2	196.1	63.1	642.4	253.8						
		1978	4,037.4	210.5	36.6	4,284.2	1,819.4	86.9	2,378.0	384.9	1,993.0	7,710	258.5	194.1	61.8	724.4	281.5						65
461 (1)	Refractory goods	1976	192.6	7.3	2.8	202.7	99.5	-2.3	105.5	13.9	91.6	6,877	13.3	9.8	3.5	29.5	12.1						
		1977	231.8	7.7	8.6	248.1	130.5	-5.3	122.9	16.8	106.1	7,886	13.5	9.8	3.6	33.6	13.7						
		1978	253.7	9.7	-1.7	261.6	135.3	5.5	120.9	19.7	101.2	7,177	14.1	10.1	4.0	40.6	18.4					75	
461 (2)	Building bricks and non-refractory goods	1976	256.3	15.7	5.7	277.8	91.8	7.2	178.7	30.6	148.2	5,692	26.0	21.9	4.0	70.6	13.4						
		1977	266.9	6.7	12.7	286.4	90.6	4.9	190.9	34.0	157.0	6,162	25.5	21.3	4.0	74.2	16.0						
		1978	308.7	5.5	-1.4	312.8	105.9	11.9	194.9	38.3	156.6	6,417	24.4	20.2	4.0	78.2	17.7					74	
462	Pottery	1976	340.8	16.6	12.7	370.1	112.6	6.9	250.6	23.9	226.7	3,861	58.7	48.7	9.7	115.6	30.7						
		1977	405.9	20.8	12.6	439.3	133.0	7.8	298.4	29.3	269.1	4,486	60.0	50.0	9.7	131.6	33.5						
		1978	466.9	21.8	18.6	507.2	145.6	7.2	354.4	35.2	319.2	5,182	61.6	51.0	10.2	152.4	39.1					73	
463	Glass	1976	693.9	41.6	7.0	742.5	304.5	3.6	434.4	46.7	387.7	6,156	63.0	46.1	16.4	143.1	63.8						
		1977	822.3	47.3	15.8	945.4	388.3	11.2	545.9	61.7	484.2	7,638	63.4	45.7	17.2	162.2	77.1						
		1978	954.6	62.0	11.7	1,028.2	409.2	17.3	601.7	62.2	539.5	8,404	64.2	46.9	16.8	195.2	88.8					64	
464	Cement	1976	321.0	13.6	1.5	336.1	138.7	2.5	194.8	54.1	140.8	9,482	14.8	10.7	4.1	37.3	16.4						
		1977	353.8	11.9	3.0	368.7	167.0	0.7	201.0	60.0	141.0	10,481	13.5	9.9	3.5	36.9	16.1						
		1978	373.5	16.6	2.0	392.1	181.3	1.4	209.4	59.0	150.4	11,141	13.5	10.2	3.3	37.3	15.6					96	

TABLE 1 Output, costs and employment, 1976-1978
All United Kingdom establishments classified to mining, manufacturing, construction, gas, electricity and water (a)

Standard Industrial Classification Orders or minimum list heading (b)	Industry	Year	Sales of goods produced, receipts for work done and services rendered	Merchanted goods	Increase during year in work in progress and goods on hand for sale	Gross output	Cost of purchases (c)	Gross value added at factor cost		Employment			Wages and salaries		Percentage response in 1978	
								Total	per head	Total (e)	Operatives	Others (f)	Operatives	Others (f)		
			£ million	£ million	£ million	£ million	£ million	£ million	£	Thousand	Thousand	Thousand	£ million	£ million	%	
ORDER XVI Bricks, pottery, glass, cement, etc., (continued)																
469 (1)	Abrasives	1976	99.5	11.9	4.4	115.7	58.6									
		1977	125.8	15.3	1.9	143.0	72.8									
		1978	152.7	14.1	1.3	168.1	79.7									
469 (2)	Miscellaneous building materials and mineral products	1976	1,210.8	48.5	20.4	1,279.6	646.1									
		1977	1,491.6	56.2	19.4	1,567.2	813.6									
		1978	1,527.3	80.8	6.1	1,614.2	762.4									
ORDER XVII Timber, furniture, etc.																
471	Timber	1976	1,148.3	404.1	45.7	1,598.1	1,033.7									
		1977	1,255.0	487.3	10.8	1,753.0	1,105.2									
		1978	1,466.3	485.5	22.3	1,974.1	1,284.6									
472	Furniture and upholstery	1976	906.1	23.7	10.9	940.7	472.0									
		1977	1,039.6	34.9	15.7	1,090.3	560.2									
		1978	1,292.3	44.6	13.9	1,350.8	670.5									
473	Bedding, etc.	1976	222.7	13.9	2.8	239.5	142.5									
		1977	237.9	18.5	1.8	258.2	157.1									
		1978	301.9	31.7	3.5	337.0	191.5									
474	Shop and office fitting	1976	301.2	9.5	3.3	314.0	129.1									
		1977	374.4	11.9	9.0	395.2	160.7									
		1978	415.5	13.5	9.3	438.3	167.1									
475	Wooden containers and baskets	1976	143.5	6.1	0.3	149.9	77.4									
		1977	158.2	5.4	0.7	164.3	90.1									
		1978	166.5	9.5	0.6	176.6	97.6									
479	Miscellaneous wood and cork manufacturers	1976	184.0	13.1	4.0	201.1	115.7									
		1977	259.5	20.7	3.8	284.0	175.5									
		1978	289.2	19.5	1.0	309.7	178.2									
ORDER XVIII Paper, printing and publishing																
481	Paper and board	1976	1,187.3	36.5	14.2	1,238.1	839.3									
		1977	1,317.3	23.0	14.3	1,354.6	874.0									
		1978	1,389.7	22.9	3.4	1,416.0	895.7									
482 (1)	Cardboard boxes, cartons and fibre-board packing cases	1976	885.8	19.7	9.7	915.2	518.7									
		1977	1,039.0	25.4	8.6	1,072.9	612.5									
		1978	1,147.7	31.8	6.2	1,185.6	656.4									
482 (2)	Packaging products of paper and associated materials	1976	376.3	12.7	4.3	393.3	246.8									
		1977	432.8	14.5	3.3	450.5	274.6									
		1978	487.9	16.5	1.0	505.5	302.7									
483	Manufactured stationery	1976	362.1	36.0	5.5	403.6	192.3									
		1977	439.2	43.1	3.4	485.7	233.4									
		1978	540.9	63.8	5.2	609.9	299.3									
484 (1)	Wallcoverings	1976	89.2	6.0	4.5	99.8	54.9									
		1977	117.0	5.9	1.5	124.4	68.8									
		1978	127.3	3.2	-2.9	127.6	67.9									

Cost of industrial services, increase during the year of materials, stores and fuel (d)	Net output	Cost of non-industrial services, rates, motor vehicle licences	Gross value added at factor cost		Employment			Wages and salaries		Percentage response in 1978
			Total	per head	Total (e)	Operatives	Others (f)	Operatives	Others (f)	
£ million	£ million	£ million	£ million	£	Thousand	Thousand	Thousand	£ million	£ million	%
-	57.1	6.6	50.5	6,115	8.3	5.0	3.2	15.0	11.6	
3.2	67.0	8.6	58.4	6,905	8.5	5.1	3.3	16.7	13.7	
1.3	87.2	10.2	76.9	8,745	8.8	5.3	3.5	19.6	16.8	74
21.4	612.1	116.4	495.8	6,662	74.4	53.4	19.3	166.8	65.8	
39.5	714.1	155.0	559.1	7,186	77.8	54.3	21.8	187.2	83.7	
42.3	809.5	160.3	649.2	9,029	71.9	50.4	20.0	201.1	85.1	48
7.8	1,465.4	206.0	1,259.1	4,663	270.0	202.3	59.4	541.1	193.9	
64.8	1,631.4	267.7	1,363.7	5,138	265.4	195.5	61.1	582.5	225.6	
86.6	1,910.4	328.0	1,582.2	6,025	262.6	193.7	61.5	678.8	256.6	42
-11.1	575.5	79.0	496.5	5,535	89.7	64.6	22.5	172.8	74.8	
24.7	623.1	95.6	527.5	5,971	88.3	62.3	23.2	181.0	85.3	
33.9	655.5	122.7	532.8	6,034	88.3	62.6	23.1	211.8	95.6	36
-3.0	471.6	70.7	400.9	4,316	92.9	72.5	18.0	197.9	58.8	
3.3	526.8	90.4	436.4	4,856	89.9	69.1	18.3	211.1	68.2	
5.2	675.1	114.7	560.4	6,310	88.8	67.9	18.7	254.1	79.4	47
-2.6	99.6	16.2	83.4	3,941	21.2	15.7	5.0	34.1	12.9	
2.4	98.6	22.9	75.7	3,825	19.8	14.5	4.9	36.2	16.7	
-0.2	145.8	27.6	118.2	5,736	20.6	15.2	5.0	46.3	17.6	50
25.2	160.0	16.3	143.4	4,656	30.8	22.2	7.5	72.7	26.1	
34.2	200.3	24.2	176.1	5,555	31.7	22.4	8.1	82.8	30.8	
38.6	232.6	24.5	208.1	6,891	30.2	21.9	8.0	90.2	34.0	35
2.2	70.3	12.3	58.0	3,833	15.1	11.8	2.8	28.1	10.0	
1.7	72.6	13.9	58.7	4,008	14.6	11.2	2.8	29.8	10.9	
4.5	74.5	12.7	61.7	4,378	14.1	10.7	2.8	31.0	13.5	51
-2.9	88.4	11.5	76.9	3,780	20.3	15.5	3.6	35.5	11.3	
-1.5	110.0	20.7	89.3	4,223	21.1	16.0	3.8	41.6	13.7	
4.6	126.9	25.8	101.0	4,905	20.6	15.4	3.9	45.4	16.5	43
289.9	3,552.0	540.1	3,012.0	5,454	552.3	361.5	181.0	1,121.8	619.5	
484.3	4,093.0	632.6	3,460.4	6,334	546.3	355.0	181.3	1,234.4	692.4	
551.5	4,954.1	937.7	4,016.3	7,394	543.2	345.2	188.6	1,413.7	836.4	65
-3.3	402.1	58.5	343.6	6,010	57.2	44.4	12.7	146.0	46.7	
35.2	445.5	66.7	378.7	6,778	55.9	43.3	12.5	155.7	50.1	
19.8	500.5	79.4	421.0	7,573	55.6	43.2	12.4	179.7	59.1	90
6.1	390.4	47.2	343.2	5,399	63.6	48.8	14.3	136.9	48.6	
18.9	441.6	58.6	383.0	5,906	64.9	49.9	14.5	157.0	55.9	
21.6	507.7	67.3	440.4	6,892	63.9	48.8	14.7	184.8	67.5	76
-7.3	153.8	19.7	134.1	5,744	23.4	17.5	5.7	49.6	19.1	
10.6	165.4	22.0	143.4	6,339	22.6	17.1	5.4	53.8	20.9	
7.1	195.7	28.4	167.2	7,240	23.1	17.2	5.8	64.4	25.6	66
2.5	208.8	25.4	183.4	4,432	41.4	28.3	12.8	70.3	40.7	
6.6	245.7	32.4	213.4	5,383	39.6	26.9	12.4	74.5	44.5	
7.4	303.2	45.1	258.2	6,586	39.2	26.0	12.8	83.7	50.9	75
0.7	44.2	8.0	36.2	5,743	6.3	4.8	1.5	14.1	5.7	
3.7	52.0	9.8	42.2	6,488	6.5	4.9	1.6	14.9	6.3	
2.6	57.1	10.4	46.6	7,171	6.5	4.8	1.7	16.6	7.1	79

TABLE 1 Output, costs and employment, 1976-1978
All United Kingdom establishments classified to mining, manufacturing, construction, gas, electricity and water (a)

Standard Industrial Classification Orders or minimum list heading (b)	Industry	Year	Sales of goods produced, receipts for work done and services rendered	Merchanted goods	Increase during year in work in progress and goods on hand for sale	Gross output	Cost of purchases (c)	Gross value added at factor cost		Employment			Wages and salaries		Percentage response in 1978		
								Total	per head	Total (e)	Operatives	Others (f)	Operatives	Others (f)			
			£ million	£ million	£ million	£ million	£ million	£ million	£	Thousand	Thousand	Thousand	£ million	£ million	%		
ORDER XVIII	Paper, printing and publishing (continued)																
484 (2)	Miscellaneous manufactures of paper and board	1976	355.8	10.6	4.0	370.5	207.4	-3.6	166.7	39.9	126.9	5,908	21.5	15.4	5.9	43.4	21.0
		1977	451.8	16.9	4.4	473.2	269.9	1.0	202.3	44.9	157.4	6,711	23.4	17.4	5.9	52.6	23.7
		1978	490.5	18.8	0.8	510.1	269.1	2.6	238.4	64.3	174.1	7,440	23.4	16.8	6.4	60.4	30.7	75
485, 486	Printing, publishing of newspapers and periodicals	1976	1,620.1	29.9	3.9	1,654.0	482.3	141.4	1,030.3	177.4	852.9	6,119	139.4	68.8	70.0	278.2	240.0
		1977	1,886.0	34.0	2.2	1,922.2	544.1	189.3	1,188.8	193.2	995.6	7,127	139.7	68.7	70.4	306.9	271.3
		1978	2,244.1	42.0	2.6	2,288.6	577.7	260.6	1,450.3	265.7	1,184.6	8,584	138.0	65.5	71.9	355.5	323.1	72
489	General printing and publishing	1976	1,864.1	89.8	26.3	1,980.2	671.1	153.4	1,155.7	164.0	991.7	4,970	199.5	133.5	58.1	383.3	197.7
		1977	2,224.3	103.0	57.4	2,384.7	814.0	219.0	1,351.7	205.0	1,146.7	5,918	193.7	126.8	58.6	419.0	219.7
		1978	2,738.4	151.2	57.3	2,946.8	1,015.8	229.8	1,701.2	377.1	1,324.2	6,843	193.5	122.9	62.9	468.6	272.4	44.
ORDER XIX	Other manufacturing industries																
491	Rubber	1976	1,350.4	163.1	26.7	1,540.3	781.7	2.5	756.0	101.1	655.0	5,654	115.8	82.8	32.6	255.1	113.5
		1977	1,529.2	215.4	49.3	1,793.9	949.0	20.7	824.1	114.9	709.2	6,092	116.4	82.7	33.3	277.9	128.2
		1978	1,700.3	243.9	15.9	1,960.1	1,022.5	28.6	909.0	137.6	771.4	6,673	115.6	82.3	33.0	321.8	149.1	78
492	Linoleum, plastics floor-covering, leathercloth, etc.	1976	223.1	4.9	6.6	234.6	136.9	-1.9	99.6	16.9	82.7	5,453	15.2	10.6	4.6	30.6	15.3
		1977	250.3	7.6	2.3	260.2	152.7	3.6	103.9	19.1	84.7	5,889	14.4	10.3	4.1	33.1	14.8
		1978	270.5	8.4	-1.6	277.4	148.2	8.2	121.0	24.1	96.9	7,178	13.5	9.5	4.0	37.5	17.7	89
493	Brushes and brooms	1976	67.0	7.5	1.5	75.9	36.5	-0.6	40.1	5.4	34.6	3,694	9.4	7.0	2.2	14.0	6.7
		1977	79.9	8.5	1.3	89.7	44.7	-0.9	45.9	6.6	39.4	4,356	9.0	6.8	2.0	15.4	7.1
		1978	90.4	9.7	0.8	100.9	46.5	-0.1	54.4	7.4	47.1	5,229	9.0	6.7	2.1	17.4	8.1	76
494 (1)(2)	Toys, games and children's carriages	1976	264.8	24.1	8.5	297.4	121.6	1.6	174.2	27.9	146.3	4,200	34.8	27.2	7.3	49.5	24.0
		1977	292.7	23.9	7.6	324.2	136.2	2.1	186.0	34.5	151.5	4,475	33.9	26.2	7.3	54.5	27.3
		1978	308.6	24.4	6.5	339.6	146.0	3.9	189.6	34.8	154.7	4,472	34.6	26.6	7.7	66.3	31.5	74
494 (3)	Sports equipment	1976	90.0	15.6	3.4	109.0	48.6	1.8	58.6	6.3	52.3	4,203	12.5	9.4	2.9	20.1	9.0
		1977	110.2	23.6	5.5	139.2	65.8	0.7	72.7	11.3	61.4	4,866	12.6	9.5	2.9	22.3	10.1
		1978	127.1	31.5	5.9	164.5	81.2	4.5	78.9	12.9	66.1	5,244	12.6	9.2	3.2	26.5	12.8	55
495	Miscellaneous stationers' goods	1976	105.8	8.0	0.2	114.0	56.6	0.1	57.2	11.0	46.2	4,713	9.8	6.2	3.5	15.1	11.2
		1977	136.9	10.6	4.3	151.8	77.0	0.4	74.4	14.4	60.0	6,126	9.8	6.4	3.3	17.6	12.1
		1978	168.1	20.1	2.9	191.1	89.2	2.6	99.2	19.0	80.2	8,267	9.6	6.2	3.4	19.8	14.6	83
496	Plastics products	1976	1,324.1	85.2	24.9	1,434.3	749.2	3.9	681.2	95.6	585.6	4,827	121.3	91.1	28.0	216.5	95.4
		1977	1,586.5	118.5	20.6	1,725.6	892.2	27.5	805.9	124.1	681.9	5,467	124.7	92.5	29.9	251.5	112.6
		1978	1,885.1	177.3	23.1	2,085.6	1,069.2	34.2	982.2	154.3	827.8	6,447	128.4	93.6	32.4	296.1	141.5	62
499 (1)	Musical instruments	1976	28.7	3.5	1.3	33.5	13.8	0.1	19.7	2.4	17.3	3,604	4.8	3.8	0.8	9.6	2.5
		1977	38.1	5.4	1.1	44.6	19.9	0.3	24.4	2.6	21.8	4,547	4.8	3.8	0.9	11.2	3.1
		1978	40.3	5.8	1.9	48.0	20.0	1.3	26.7	3.0	23.7	4,947	4.8	3.8	0.9	12.6	3.6	63
499 (2)	Miscellaneous manufacturing industries	1976	129.8	9.9	2.2	141.9	62.7	0.4	78.7	8.5	70.2	3,774	18.6	14.1	4.0	25.4	12.0
		1977	162.6	10.5	5.7	178.8	82.5	0.9	95.4	13.4	82.0	4,501	18.2	13.8	3.9	29.3	13.4
		1978	150.1	10.2	3.3	163.6	66.4	2.5	94.7	15.3	79.4	4,782	16.6	12.3	3.9	30.8	14.8	46
ORDER XX 500	Construction																
500	Construction	1976	15,677.4	98.5	3.1	15,778.9	4,846.7	3,804.8	7,127.4	889.3	6,238.1	4,466	1,396.9	1,048.8	295.6	3,258.3	1,005.9
		1977	16,648.1	128.0	7.7	16,783.7	5,246.4	4,024.9	7,512.3	1,005.3	6,507.1	4,876	1,334.4	994.5	289.3	3,406.1	1,071.7
		1978	19,861.6	162.8	7.6	20,032.1	6,245.5	5,010.6	8,775.9	1,245.0	7,530.9	5,587	1,347.9	1,003.1	300.9	3,830.3	1,273.1	33

Standard Industrial Classification Orders or minimum list heading (b)	Industry	Year	Sales of goods produced, receipts for work done and services rendered	Merchanted goods	Increase during year in work in progress and goods on hand for sale	Gross output	Cost of purchases (c)	Gross value added at factor cost		Employment			Wages and salaries		Percentage response in 1978		
								Total	per head	Total (e)	Operatives	Others (f)	Operatives	Others (f)			
			£ million	£ million	£ million	£ million	£ million	£	Thousand	Thousand	Thousand	£ million	£ million	%			
ORDER XVIII	Paper, printing and publishing (continued)																
484 (2)	Miscellaneous manufactures of paper and board	1976	355.8	10.6	4.0	370.5	207.4	-3.6	166.7	39.9	126.9	5,908	21.5	15.4	5.9	43.4	21.0
		1977	451.8	16.9	4.4	473.2	269.9	1.0	202.3	44.9	157.4	6,711	23.4	17.4	5.9	52.6	23.7
		1978	490.5	18.8	0.8	510.1	269.1	2.6	238.4	64.3	174.1	7,440	23.4	16.8	6.4	60.4	30.7	75
485, 486	Printing, publishing of newspapers and periodicals	1976	1,620.1	29.9	3.9	1,654.0	482.3	141.4	1,030.3	177.4	852.9	6,119	139.4	68.8	70.0	278.2	240.0
		1977	1,886.0	34.0	2.2	1,922.2	544.1	189.3	1,188.8	193.2	995.6	7,127	139.7	68.7	70.4	306.9	271.3
		1978	2,244.1	42.0	2.6	2,288.6	577.7	260.6	1,450.3	265.7	1,184.6	8,584	138.0	65.5	71.9	355.5	323.1	72
489	General printing and publishing	1976	1,864.1	89.8	26.3	1,980.2	671.1	153.4	1,155.7	164.0	991.7	4,970	199.5	133.5	58.1	383.3	197.7
		1977	2,224.3	103.0	57.4	2,384.7	814.0	219.0	1,351.7	205.0	1,146.7	5,918	193.7	126.8	58.6	419.0	219.7
		1978	2,738.4	151.2	57.3	2,946.8	1,015.8	229.8	1,701.2	377.1	1,324.2	6,843	193.5	122.9	62.9	468.6	272.4	44.
ORDER XIX	Other manufacturing industries																
491	Rubber	1976	1,350.4	163.1	26.7	1,540.3	781.7	2.5	756.0	101.1	655.0	5,654	115.8	82.8	32.6	255.1	113.5
		1977	1,529.2	215.4	49.3	1,793.9	949.0	20.7	824.1	114.9	709.2	6,092	116.4	82.7	33.3	277.9	128.2
		1978	1,700.3	243.9	15.9	1,960.1	1,022.5	28.6	909.0	137.6	771.4	6,673	115.6	82.3	33.0	321.8	149.1	78
492	Linoleum, plastics floor-covering, leathercloth, etc.	1976	223.1	4.9	6.6	234.6	136.9	-1.9	99.6	16.9	82.7	5,453	15.2	10.6	4.6	30.6	15.3
		1977	250.3	7.6	2.3	260.2	152.7	3.6	103.9	19.1	84.7	5,889	14.4	10.3	4.1	33.1	14.8
		1978	270.5	8.4	-1.6	277.4	148.2	8.2	121.0	24.1	96.9	7,178	13.5	9.5	4.0	37.5	17.7	89
493	Brushes and brooms	1976	67.0	7.5	1.5	75.9	36.5	-0.6	40.1	5.4	34.6	3,694	9.4	7.0	2.2	14.0	6.7
		1977	79.9	8.5	1.3	89.7	44.7	-0.9	45.9	6.6	39.4	4,356	9.0	6.8	2.0	15.4	7.1
		1978	90.4	9.7	0.8	100.9	46.5	-0.1	54.4	7.4	47.1	5,229	9.0	6.7	2.1	17.4	8.1	76
494 (1)(2)	Toys, games and children's carriages	1976	264.8	24.1	8.5	297.4	121.6	1.6	174.2	27.9	146.3	4,200	34.8	27.2	7.3	49.5	24.0
		1977</															

TABLE 1 Output, costs and employment, 1976-1978
All United Kingdom establishments classified to mining, manufacturing, construction, gas, electricity and water (a)

Standard Industrial Classification Orders or minimum list heading (b)	Industry	Year	Sales of goods produced, receipts for work done and services rendered	Merchanted goods	Increase during year in work in progress and goods on hand for sale	Gross output	Cost of purchases (c)	Cost of industrial services, increase during the year of materials, stores and fuel (d)	Net output	Cost of non-industrial services, rates, motor vehicle licences	Gross value added at factor cost		Employment			Wages and salaries		Percentage response in 1978
											Total	per head	Total (e)	Operatives	Others (f)	Operatives	Others (f)	
			£ million	£ million	£ million	£ million	£ million	£ million	£ million	£ million	£ million	£	Thousand	Thousand	Thousand	£ million	£ million	%
ORDER XXI	Gas, electricity and water	1976	7,215.2	0.3	3.3	7,218.8	2,891.4	213.7	4,113.7	446.0	3,667.8	11,279	325.2	170.1	155.1	577.7	618.3	
		1977	8,502.4	0.4	—	8,502.8	3,599.8	251.1	4,651.9	511.3	4,140.6	13,070	316.8	164.8	152.0	602.9	668.6	
		1978	9,625.2	0.5	1.1	9,626.8	4,042.5	551.9	5,032.4	592.4	4,439.9	14,064	315.7	165.5	150.2	719.3	763.4	98
601	Gas	1976	1,744.8	0.3	—	1,745.2	462.7	124.2	1,158.3	129.9	1,028.4	10,467	98.3	41.1	57.2	139.8	207.1	
		1977	2,255.5	0.4	—	2,255.9	678.0	198.3	1,379.6	158.2	1,221.4	12,621	96.8	41.0	55.8	153.0	232.8	
		1978	2,584.2	0.4	—	2,584.6	963.0	265.1	1,356.5	183.9	1,172.5	12,204	96.1	41.7	54.4	180.3	261.9	99
602	Electricity	1976	4,793.9	(m)	3.3	4,797.1	2,295.2	89.5	2,412.4	248.9	2,163.5	11,895	181.9	101.9	80.0	351.6	342.2	
		1977	5,487.1	(m)	—	5,487.1	2,766.3	52.8	2,668.0	276.8	2,391.2	13,496	177.2	98.4	78.8	365.2	363.8	
		1978	6,217.8	0.1	1.1	6,219.0	2,945.0	243.7	3,030.4	315.9	2,714.5	15,329	177.1	98.8	78.3	443.5	420.2	100
603	Water supply	1976	676.5	—	—	676.5	133.5	—	543.0	67.2	475.9	10,583	45.0	27.1	17.9	86.3	69.0	
		1977	759.8	—	—	759.8	155.5	—	604.3	76.3	528.0	12,329	42.8	25.4	17.4	84.7	72.0	
		1978	823.2	—	—	823.2	134.5	43.1	645.5	92.6	552.9	13,010	42.5	25.0	17.5	95.5	81.3	90
Energy Industries (g)		1976	15,370.8	19.7	210.3	15,600.9	9,266.7	161.8	6,172.3	503.5	5,668.9	9,456	599.5	426.0	173.4	1,416.9	701.5	
		1977	17,511.3	27.7	-16.6	17,522.5	10,188.0	341.6	6,993.0	593.1	6,399.8	10,825	591.2	420.5	170.6	1,531.1	762.0	
		1978	18,178.6	313.6	23.1	18,515.3	10,503.2	589.7	7,422.6	674.4	6,748.1	11,535	585.0	416.1	168.7	1,850.0	883.1	
101	Coal mining	1976	2,280.6(h)	—	9.3	2,290.0	473.3(j)	32.8	1,783.8	73.9	1,709.9	5,802	294.7	267.2	27.5	864.1	112.2	
		1977	2,507.8(h)	—	33.9	2,541.8	611.4(j)	14.9	1,915.5	83.9	1,831.6	6,253	292.9	265.6	27.3	946.6	121.6	
		1978	2,861.3(h)	—	91.8	2,953.1	678.5(j)	-8.8	2,283.4	93.7	2,189.7	7,619	287.4	260.0	27.4	1,149.2	149.3	100
104	Petroleum and natural gas	1976	1,002.1	0.7	14.4	1,017.1	447.9	75.0	..	..	494.2	—	7.2	..	..	38.6(l)	..	
		1977	2,647.4	0.1	2.9	2,650.4	599.9	233.7	..	..	1,816.8	—	8.5(r)	..	..	63.0(l)	..	
		1978	3,328.1	(m)	-1.5	3,326.6	600.4(p)	286.3(q)	..	..	2,439.9	..	8.9(r)	..	..	85.8(l)	..	
262	Mineral oil refining	1976	6,260.6	(m)	196.2	6,456.8	5,814.5	-87.1	729.4	39.9	689.6	38,960	17.7	12.3	5.4	49.3	27.6	
		1977	6,907.0	(m)	-56.2	6,850.8	5,853.5	72.5	924.8	57.9	866.9	50,582	17.1	11.9	5.2	52.8	29.6	
		1978	6,132.1	289.3	-69.8	6,351.6	5,647.4	82.1	622.1	64.3	557.8	31,584	17.7	12.0	5.6	62.2	37.0	
263	Lubricating oils and greases	1976	290.9	19.4	1.5	311.8	221.0	2.4	88.4	10.9	77.5	11,209	6.9	3.5	3.3	12.1	12.4	
		1977	353.9	27.3	5.7	386.9	278.8	3.1	105.1	16.3	88.7	12,323	7.2	3.6	3.5	13.5	14.2	
		1978	383.2	23.8	—	407.0	269.3	7.6	130.2	16.6	113.6	16,949	6.7	3.6	3.0	14.8	14.7	
601	Gas	1976	1,744.8	0.3	—	1,745.2	462.7	124.2	1,158.3	129.9	1,028.4	10,467	98.3	41.1	57.2	139.8	207.1	
		1977	2,255.5	0.4	—	2,255.9	678.0	198.3	1,379.6	158.2	1,221.4	12,621	96.8	41.0	55.8	153.0	232.8	
		1978	2,584.2	0.4	—	2,584.6	963.0	265.1	1,356.5	183.9	1,172.5	12,204	96.1	41.7	54.4	180.3	261.9	
602	Electricity	1976	4,793.9	(m)	3.3	4,797.1	2,295.2	89.5	2,412.4	248.9	2,163.5	11,895	181.9	101.9	80.0	351.6	342.2	
		1977	5,487.1	(m)	—	5,487.1	2,766.3	52.8	2,668.0	276.8	2,391.2	13,496	177.2	98.4	78.8	365.2	363.8	
		1978	6,217.8	0.1	1.1	6,219.0	2,945.0	243.7	3,030.4	315.9	2,714.5	15,329	177.1	98.8	78.3	443.5	420.2	

(a) Includes estimates for establishments not making satisfactory returns, and establishments employing less than 20 persons.

(b) References to Orders are to those in the Standard Industrial Classification (revised 1968). Industry code numbers indicate the minimum list heading (MLH) and, if appropriate, a sub-division of a minimum list heading. For industries covering two or more sub-divisions, the sub-divisions are given in brackets.

(c) Including cost of purchases of goods for merchandising or factoring.

(d) The figures include payment for work given out, repairs and maintenance, the change in stocks of materials, stores and fuel, and, where applicable, duties, subsidies and allowances etc.

(e) Average number employed (full and part-time) during the year (including working proprietors) by the establishment.

(f) Administrative, technical and clerical employees.

(g) Excluding MLH 104 - Petroleum and natural gas.

(h) Excluding the value of all colliery consumption of coal.

(j) Figures relate to the cost of materials and fuel used.

Cost of industrial services, increase during the year of materials, stores and fuel (d)	Net output	Cost of non-industrial services, rates, motor vehicle licences	Gross value added at factor cost		Employment			Wages and salaries		Percentage response in 1978
			Total	per head	Total (e)	Operatives	Others (f)	Operatives	Others (f)	
£ million	£ million	£ million	£ million	£	Thousand	Thousand	Thousand	£ million	£ million	%
213.7	4,113.7	446.0	3,667.8	11,279	325.2	170.1	155.1	577.7	618.3	
251.1	4,651.9	511.3	4,140.6	13,070	316.8	164.8	152.0	602.9	668.6	
551.9	5,032.4	592.4	4,439.9	14,064	315.7	165.5	150.2	719.3	763.4	98
124.2	1,158.3	129.9	1,028.4	10,467	98.3	41.1	57.2	139.8	207.1	
198.3	1,379.6	158.2	1,221.4	12,621	96.8	41.0	55.8	153.0	232.8	
265.1	1,356.5	183.9	1,172.5	12,204	96.1	41.7	54.4	180.3	261.9	99
89.5	2,412.4	248.9	2,163.5	11,895	181.9	101.9	80.0	351.6	342.2	
52.8	2,668.0	276.8	2,391.2	13,496	177.2	98.4	78.8	365.2	363.8	
243.7	3,030.4	315.9	2,714.5	15,329	177.1	98.8	78.3	443.5	420.2	100
—	543.0	67.2	475.9	10,583	45.0	27.1	17.9	86.3	69.0	
—	604.3	76.3	528.0	12,329	42.8	25.4	17.4	84.7	72.0	
43.1	645.5	92.6	552.9	13,010	42.5	25.0	17.5	95.5	81.3	90
161.8	6,172.3	503.5	5,668.9	9,456	599.5	426.0	173.4	1,416.9	701.5	
341.6	6,993.0	593.1	6,399.8	10,825	591.2	420.5	170.6	1,531.1	762.0	
589.7	7,422.6	674.4	6,748.1	11,535	585.0	416.1	168.7	1,850.0	883.1	
32.8	1,783.8	73.9	1,709.9	5,802	294.7	267.2	27.5	864.1	112.2	
14.9	1,915.5	83.9	1,831.6	6,253	292.9	265.6	27.3	946.6	121.6	
-8.8	2,283.4	93.7	2,189.7	7,619	287.4	260.0	27.4	1,149.2	149.3	100
75.0	..	..	494.2	—	7.2	..	..	38.6(l)	..	
233.7	..	..	1,816.8	—	8.5(r)	..	..	63.0(l)	..	
286.3(q)	..	..	2,439.9	..	8.9(r)	..	..	85.8(l)	..	
-87.1	729.4	39.9	689.6	38,960	17.7	12.3	5.4	49.3	27.6	
72.5	924.8	57.9	866.9	50,582	17.1	11.9	5.2	52.8	29.6	
82.1	622.1	64.3	557.8	31,584	17.7	12.0	5.6	62.2	37.0	
2.4	88.4	10.9	77.5	11,209	6.9	3.5	3.3	12.1	12.4	
3.1	105.1	16.3	88.7	12,323	7.2	3.6	3.5	13.5	14.2	
7.6	130.2	16.6	113.6	16,949	6.7	3.6	3.0	14.8	14.7	
124.2	1,158.3	129.9	1,028.4	10,467	98.3	41.1	57.2	139.8	207.1	
198.3	1,379.6	158.2	1,221.4	12,621	96.8	41.0	55.8	153.0	232.8	
265.1	1,356.5	183.9	1,172.5	12,204	96.1	41.7	54.4	180.3	261.9	
89.5	2,412.4	248.9	2,163.5	11,895	181.9	101.9	80.0	351.6	342.2	
52.8	2,668.0	276.8	2,391.2	13,496	177.2	98.4	78.8	365.2	363.8	
243.7	3,030.4	315.9	2,714.5	15,329	177.1	98.8	78.3	443.5	420.2	

(k) Sales of products are valued at ex-mine or ex-quarry prices, the cost of transport being included in "Increase during the year in work in progress and goods on hand for sale".

(l) Includes salaries paid to "Others"

(m) Figures for merchanted goods are included in sales of goods produced and work done.

(n) From 1976, Gas and Electricity Boards were no longer required to furnish details of their purchases and sales of merchanted goods where these were factored through showrooms. Details of such transactions are now being collected under the Annual Inquiry into Retail Trading.

(p) Including cost of purchases of goods and services for exploration and operating activities.

(q) Figures relate to royalties etc. due or payable.

(r) Estimated.

(s) For 1976 and 1977, increase during the year, stocks of materials, stores and fuel were included with Purchases of materials for use in production and packaging and fuel.

TABLE 2 Capital expenditure, 1976-1978
All United Kingdom establishments classified to mining, manufacturing, construction, gas, electricity and water (a)(b)

Standard Industrial Classification Orders or minimum list heading (c)	Industry	Year	Total net (d)		New building work
			£ million		
ORDER II (e)	Mining and quarrying	1976	405.1	69.6	
		1977	404.0	98.1	
		1978	508.6	136.2	
101	Coal mining	1976	340.1	62.9	
		1977	323.5	90.6	
		1978	409.4	126.6	
102	Stone and slate quarrying and mining	1976	28.0	0.8	
		1977	28.7	1.1	
		1978	35.0	1.1	
103	Chalk, clay, sand and gravel extraction	1976	18.7	1.7	
		1977	33.9	2.4	
		1978	40.1	3.6	
104	Petroleum and natural gas	1976	2,117.9	1,370.3	
		1977	1,943.6	1,240.3	
		1978	2,137.8	1,196.1	
109 (1)(2)(3)(4)	Miscellaneous mining and quarrying	1976	18.3	4.2	
		1977	17.9	4.0	
		1978	24.1	4.9	
ORDERS III-XIX	All manufacturing industries	1976	3,896.7	533.9	
		1977	4,853.2	678.6	
		1978	5,987.6	859.6	
ORDER III	Food, drink and tobacco	1976	488.9	90.5	
		1977	719.2	130.9	
		1978	816.0	159.4	
211	Grain milling	1976	23.0	4.8	
		1977	30.3	6.3	
		1978	33.4	4.1	
212	Bread and flour confectionery	1976	37.5	4.1	
		1977	37.2	3.7	
		1978	45.3	5.7	
213	Biscuits	1976	20.1	1.7	
		1977	22.4	2.0	
		1978	25.9	5.0	
214	Bacon curing, meat and fish products	1976	58.5	13.6	
		1977	74.9	18.0	
		1978	98.8	29.2	
215	Milk and milk products	1976	50.2	9.9	
		1977	65.0	11.8	
		1978	78.0	21.2	
216	Sugar	1976	16.9	3.2	
		1977	36.0	8.0	
		1978	37.1	5.8	
217	Cocoa, chocolate and sugar confectionery	1976	23.5	2.4	
		1977	60.3	5.5	
		1978	65.7	8.0	
218	Fruit and vegetable products	1976	21.4	3.8	
		1977	40.1	5.9	
		1978	44.3	9.7	

TABLE 2 Capital expenditure, 1976-1978
All United Kingdom establishments classified to mining, manufacturing, construction, gas, electricity and water (a)(b)

Land and existing buildings		Plant and machinery		Vehicles	
Acquisitions	Disposals	Acquisitions	Disposals	Acquisitions	Disposals
£ million		£ million		£ million	
4.9	2.0	332.4	4.7	6.1	1.2
5.7	1.1	297.2	8.1	14.7	2.3
5.3	34.0	389.8	5.2	19.2	2.7
1.7	0.1	276.5	1.4	0.6	0.1
2.8	-	231.9	2.2	0.5	-
2.6	31.9	313.6	1.8	0.4	0.1
1.6	0.4	25.2	1.6	2.8	0.4
0.9	0.7	27.0	3.4	4.8	1.0
1.1	0.5	29.6	1.9	6.7	1.1
1.6	1.5	16.7	1.4	2.3	0.7
1.2	0.4	25.3	1.2	7.4	0.8
1.5	1.6	29.2	0.7	9.5	1.4
1.2	0.3	626.9	0.1	120.0	-
0.8	58.1	757.7	14.5	17.4	0.1
1.9	-	912.5	4.1	32.8	1.4
-	-	14.0	0.3	0.4	-
0.8	-	13.0	1.3	2.0	0.5
0.1	-	17.4	0.8	2.6	0.1
130.9	90.3	3,175.0	135.7	394.5	111.2
176.1	98.5	3,817.2	143.9	570.2	147.0
241.5	130.9	4,759.6	160.0	590.5	172.7
20.1	20.0	352.4	11.8	71.2	13.7
25.8	24.9	520.6	13.5	97.9	17.6
28.8	24.2	590.6	14.9	97.0	20.7
1.6	0.3	13.9	0.2	4.0	0.8
0.5	0.2	21.2	1.0	4.5	0.9
1.1	0.9	25.7	0.5	4.8	0.9
2.4	1.8	26.1	1.3	9.6	1.7
2.8	2.4	24.4	1.5	12.3	2.2
6.6	4.0	29.9	2.9	12.3	2.3
0.3	0.4	13.2	0.2	5.9	0.5
0.4	0.1	18.4	0.3	2.4	0.4
0.8	0.1	19.2	0.2	1.8	0.6
3.1	1.4	36.9	1.3	10.0	2.4
4.2	4.3	48.1	1.9	13.5	2.7
2.3	2.2	61.6	2.1	13.1	3.1
3.6	0.6	31.1	0.7	7.8	0.9
1.7	0.5	41.5	0.8	12.4	1.1
2.3	0.6	47.6	1.0	9.4	0.9
0.1	0.4	13.6	0.1	0.6	0.1
-	0.3	28.1	0.1	0.4	0.1
-	2.0	33.4	0.1	0.6	0.6
0.3	1.3	21.2	1.0	3.1	1.1
1.2	0.7	47.5	0.7	10.1	2.6
0.6	0.1	54.4	0.9	5.1	1.4
1.1	0.2	16.2	0.8	1.9	0.6
1.9	0.5	30.2	0.6	4.1	1.0
1.8	0.1	30.2	0.8	5.1	1.6

TABLE 2 Capital expenditure, 1976-1978
All United Kingdom establishments classified to mining, manufacturing, construction, gas, electricity and water (a)(b)

Standard Industrial Classification Orders or minimum list heading (c)	Industry	Year	Total net (d)		New building work	
			£ million	£ million	£ million	£ million
ORDER III	Food, drink and tobacco (continued)					
219	Animal and poultry foods	1976	27.6	3.5		
		1977	48.6	8.0		
		1978	48.8	7.0		
221	Vegetable and animal oils and fats	1976	14.2	1.9		
		1977	13.1	1.7		
		1978	12.7	1.4		
229 (1)	Margarine	1976	3.0	0.8		
		1977	4.0	1.1		
		1978	3.8	0.4		
229 (2)	Starch and miscellaneous foods	1976	26.2	2.5		
		1977	43.0	4.9		
		1978	46.6	4.6		
231	Brewing and malting	1976	89.4	21.0		
		1977	144.1	33.7		
		1978	181.3	41.6		
232	Soft drinks	1976	19.1	4.5		
		1977	26.7	6.8		
		1978	25.7	3.8		
239 (1)	Spirit distilling and compounding	1976	27.9	9.5		
		1977	33.2	9.6		
		1978	33.0	8.5		
239 (2)	British wines, cider and perry	1976	2.7	0.7		
		1977	6.8	1.4		
		1978	9.0	2.0		
240	Tobacco	1976	27.7	2.6		
		1977	33.5	2.5		
		1978	26.6	1.4		
ORDER IV	Coal and petroleum products	1976	90.5	6.6		
		1977	90.1	10.0		
		1978	173.9	6.7		
261	Coke ovens and manufactured fuel	1976	10.8	1.2		
		1977	8.4	0.9		
		1978	11.7	0.9		
262	Mineral oil refining	1976	72.7	3.0		
		1977	72.1	5.8		
		1978	154.5	4.6		
263	Lubricating oils and greases	1976	7.0	2.4		
		1977	9.6	3.3		
		1978	7.7	1.2		
ORDER V	Chemicals and allied industries	1976	682.6	70.2		
		1977	783.0	95.1		
		1978	1,143.0	138.5		
271 (1)	Inorganic chemicals	1976	55.3	4.5		
		1977	80.9	5.2		
		1978	132.7	14.7		

Land and existing buildings		Plant and machinery		Vehicles	
Acquisitions	Disposals	Acquisitions	Disposals	Acquisitions	Disposals
£ million	£ million	£ million	£ million	£ million	£ million
1.0	0.6	19.1	0.4	6.4	1.4
2.6	1.0	32.7	0.8	8.8	1.7
1.9	1.5	36.8	0.8	7.8	2.4
0.2	—	10.7	0.1	1.6	0.2
0.1	0.2	10.7	0.5	1.6	0.3
0.2	—	10.0	0.2	1.6	0.3
—	—	2.3	0.2	0.2	—
—	—	2.9	0.1	0.1	—
—	—	3.3	—	0.2	0.1
0.7	1.0	23.8	1.1	1.9	0.6
0.8	0.6	36.1	0.5	3.0	0.7
1.1	0.1	39.5	0.8	3.1	0.8
3.1	10.1	67.2	1.6	12.0	2.2
7.0	11.2	102.7	1.7	16.0	2.4
6.7	11.2	127.5	1.9	22.6	4.0
1.8	0.5	10.3	0.2	3.7	0.5
0.9	0.5	17.1	0.3	3.2	0.5
1.6	0.6	17.6	0.7	4.6	0.6
0.7	0.2	18.4	1.4	1.3	0.4
0.6	0.7	22.8	0.7	2.1	0.4
0.9	0.1	22.9	0.4	1.7	0.5
0.1	1.2	2.6	—	0.6	0.1
0.7	0.1	4.0	0.1	1.1	0.2
0.9	0.7	5.7	0.1	1.4	0.2
—	—	25.8	1.2	0.6	0.2
0.4	1.6	32.2	1.9	2.3	0.4
—	—	25.3	1.5	1.8	0.4
0.5	0.3	82.5	0.8	2.3	0.4
0.7	6.6	83.7	0.3	3.1	0.6
0.3	0.1	165.5	2.0	4.2	0.7
—	—	9.5	—	0.1	—
0.1	—	7.2	0.1	0.2	—
0.1	—	10.3	—	0.4	—
0.1	0.1	69.5	0.8	1.1	0.1
0.2	6.5	71.8	0.2	1.1	0.2
0.1	—	150.4	1.9	1.5	0.2
0.4	0.2	3.5	—	1.1	0.3
0.4	0.1	4.7	—	1.8	0.4
0.1	0.1	4.8	0.1	2.3	0.5
11.3	5.4	608.2	23.0	30.7	9.0
15.9	4.1	652.5	9.5	45.2	12.3
21.1	5.7	965.2	8.3	45.7	13.5
0.4	0.6	48.4	0.9	4.2	0.7
0.4	0.4	70.7	0.9	6.6	0.7
0.8	0.9	112.2	0.9	7.3	0.5

TABLE 2 Capital expenditure, 1976-1978
All United Kingdom establishments classified to mining, manufacturing, construction, gas, electricity and water (a)(b)

Standard Industrial Classification Orders or minimum list heading (c)	Industry	Year	Total net (d)		New building work	
			£ million	£ million	£ million	£ million
ORDER V						
Chemicals and allied industries (continued)						
271 (2)	Organic chemicals	1976	281.3	7.0		
		1977	219.3	8.2		
		1978	322.2	15.5		
271 (3)	Miscellaneous chemicals	1976	57.1	11.1		
		1977	90.7	18.4		
		1978	127.5	20.0		
272	Pharmaceutical chemicals and preparations	1976	66.0	18.0		
		1977	87.7	21.5		
		1978	119.2	30.7		
273	Toilet preparations	1976	9.7	2.1		
		1977	17.9	4.9		
		1978	16.6	4.3		
274	Paint	1976	12.6	1.3		
		1977	15.8	1.4		
		1978	17.0	2.8		
275	Soap and detergents	1976	10.6	1.7		
		1977	16.0	1.3		
		1978	20.3	2.1		
276	Synthetic resins and plastics materials and synthetic rubber	1976	70.3	5.5		
		1977	85.6	11.7		
		1978	159.0	15.3		
277	Dyestuffs and pigments	1976	35.9	5.5		
		1977	63.8	7.0		
		1978	81.7	7.4		
278	Fertilizers	1976	38.4	2.8		
		1977	48.8	4.2		
		1978	78.3	7.3		
279 (1)	Polishes	1976	3.4	0.7		
		1977	5.1	1.6		
		1978	5.5	1.5		
279 (2)	Formulated adhesives, gelatine, etc.	1976	7.2	0.4		
		1977	7.8	1.3		
		1978	7.8	0.7		
279 (3)	Explosives and fireworks	1976	10.3	2.5		
		1977	11.5	2.6		
		1978	18.1	8.1		
279 (4)	Formulated pesticides, etc.	1976	8.6	1.3		
		1977	9.2	1.9		
		1978	8.8	3.1		
279 (5)	Printing ink	1976	2.4	0.3		
		1977	4.0	0.7		
		1978	3.7	1.1		
279 (6)	Surgical bandages, etc.	1976	4.3	1.1		
		1977	4.9	0.9		
		1978	6.2	1.1		

TABLE 2 Capital expenditure, 1976-1978
All United Kingdom establishments classified to mining, manufacturing, construction, gas, electricity and water (a)(b)

Land and existing buildings	Plant and machinery	Vehicles	Total net (d)		New building work	
			£ million	£ million	£ million	£ million
Acquisitions	Disposals	Acquisitions	Disposals	Acquisitions	Disposals	
£ million	£ million	£ million	£ million	£ million	£ million	£ million
ORDER V						
Chemicals and allied industries (continued)						
3.1	0.2	270.8	0.8	1.6	0.2	
0.4	0.2	211.0	2.8	3.0	0.3	
2.1	0.5	303.2	0.6	3.0	0.5	
1.1	0.4	48.5	5.1	2.7	0.7	
3.4	0.1	66.1	0.3	4.1	1.1	
6.7	1.0	99.3	0.4	3.8	0.9	
1.8	1.8	46.1	0.9	5.0	2.1	
4.5	1.1	59.5	1.2	7.0	2.5	
4.0	0.6	81.7	1.4	7.8	3.0	
1.0	0.4	6.3	0.4	1.7	0.8	
0.9	0.1	11.2	0.3	2.2	1.1	
0.5	0.2	11.8	1.0	2.7	1.5	
0.7	0.3	9.3	0.5	3.1	1.1	
0.3	0.3	11.7	0.2	4.4	1.5	
0.6	0.4	12.3	0.4	3.4	1.3	
0.5	-	7.6	0.1	1.4	0.4	
0.3	0.2	13.9	0.5	2.0	0.8	
0.7	-	16.3	0.2	2.4	1.0	
0.7	-	63.0	1.0	2.8	0.7	
1.1	0.8	71.9	1.9	4.8	1.1	
1.5	1.2	141.6	1.0	4.1	1.3	
0.2	0.7	41.9	11.7	0.9	0.2	
0.2	-	56.0	0.2	1.0	0.3	
1.4	0.2	72.5	0.4	1.3	0.3	
0.3	0.5	34.9	0.5	2.0	0.5	
0.6	0.4	42.6	0.5	2.8	0.7	
0.6	0.2	68.6	0.8	3.6	0.8	
0.1	-	2.0	-	1.0	0.4	
0.3	-	2.5	-	1.2	0.5	
0.1	0.2	3.5	-	1.2	0.6	
0.4	-	6.0	-	0.7	0.2	
0.6	0.2	5.7	0.3	1.2	0.5	
1.2	-	5.4	0.2	1.2	0.5	
0.1	-	7.6	0.2	0.5	0.1	
0.9	0.1	7.7	0.1	0.7	0.1	
0.4	-	9.5	0.2	0.4	0.1	
0.6	0.2	7.0	0.6	0.7	0.1	
0.2	-	6.6	-	0.8	0.2	
0.5	-	4.5	-	1.1	0.4	
0.2	0.1	1.6	0.1	0.6	0.2	
0.3	-	2.5	0.1	0.9	0.2	
-	0.1	2.3	0.1	0.7	0.2	
-	-	2.6	-	1.0	0.3	
-	-	3.3	0.1	1.3	0.4	
-	0.2	4.6	0.1	1.3	0.5	

TABLE 2 Capital expenditure, 1976-1978
All United Kingdom establishments classified to mining, manufacturing, construction, gas, electricity and water (a)(b)

Standard Industrial Classification Orders or minimum list heading (c)	Industry	Year	Total net (d)		New building work	
			£ million	£ million	£ million	£ million
ORDER V Chemicals and allied industries (continued)						
279 (7)	Photographic chemical materials	1976	9.2	4.4		
		1977	14.0	2.3		
		1978	18.4	2.8		
ORDER VI Metal manufacture						
311	Iron and steel (general)	1976	544.2	70.9		
		1977	452.6	61.0		
		1978	367.2	33.3		
312	Steel tubes	1976	34.1	10.7		
		1977	42.3	6.0		
		1978	34.5	5.6		
313	Iron castings, etc.	1976	36.9	4.8		
		1977	39.5	5.3		
		1978	47.4	4.3		
321	Aluminium and aluminium alloys	1976	29.3	2.7		
		1977	39.0	5.5		
		1978	44.8	4.6		
322	Copper, brass and other copper alloys	1976	11.1	1.0		
		1977	17.0	1.4		
		1978	22.3	1.6		
323	Miscellaneous base metals	1976	16.1	2.5		
		1977	31.0	4.6		
		1978	23.5	2.8		
ORDER VII Mechanical engineering						
331	Agricultural machinery (except tractors)	1976	7.4	1.3		
		1977	12.3	3.1		
		1978	7.7	2.9		
332	Metal-working machine tools	1976	17.1	1.4		
		1977	27.2	2.1		
		1978	36.3	8.6		
333 (1)	Pumps	1976	8.6	1.6		
		1977	13.0	2.5		
		1978	15.4	2.5		
333 (2)	Valves	1976	15.1	1.4		
		1977	16.2	1.6		
		1978	17.2	3.9		
333 (3)(4)	Compressors and fluid power equipment	1976	14.9	1.5		
		1977	15.8	1.7		
		1978	20.7	3.1		
334	Industrial engines	1976	16.9	1.9		
		1977	26.1	4.9		
		1978	40.6	6.7		

Land and existing buildings		Plant and machinery		Vehicles	
Acquisitions	Disposals	Acquisitions	Disposals	Acquisitions	Disposals
£ million	£ million	£ million	£ million	£ million	£ million
0.1	0.2	4.6	0.2	0.8	0.3
1.5	0.2	9.6	0.1	1.2	0.3
-	-	15.9	0.6	0.4	0.1
5.4	4.1	572.9	6.3	15.8	4.4
7.1	4.4	524.2	6.5	22.4	5.3
9.9	8.0	476.2	8.9	23.8	5.5
1.8	0.8	470.1	2.8	6.6	1.6
2.4	1.8	386.0	3.6	10.6	2.0
4.4	4.9	331.3	6.1	11.4	2.2
0.4	0.3	23.1	0.7	1.4	0.4
0.3	0.7	36.2	0.6	1.5	0.4
0.2	0.6	28.7	0.8	1.8	0.4
1.8	0.3	30.0	1.1	2.5	0.8
1.8	0.8	31.7	0.7	3.3	1.1
2.7	0.4	38.1	0.1	3.7	0.9
0.9	1.0	26.0	1.0	2.4	0.7
1.2	0.9	31.3	0.9	3.7	0.9
1.4	1.3	38.9	1.1	3.2	0.9
0.3	1.5	10.7	0.4	1.7	0.6
0.3	0.1	14.2	0.4	2.1	0.6
0.3	0.7	20.3	0.6	2.1	0.7
0.2	0.2	13.0	0.3	1.2	0.3
1.1	0.1	24.8	0.3	1.2	0.3
0.9	0.1	18.9	0.2	1.6	0.4
18.9	8.4	250.5	16.5	51.6	15.6
20.1	6.9	347.0	20.7	74.8	20.4
35.1	20.2	394.3	26.7	74.5	22.7
0.4	0.4	5.4	0.4	1.7	0.6
0.5	0.1	7.2	0.3	2.3	0.6
0.5	3.2	7.7	1.5	1.8	0.5
1.2	0.4	14.5	1.5	2.6	0.8
0.5	0.1	23.4	1.5	3.8	1.0
0.8	0.3	27.1	2.4	4.0	1.5
0.5	0.1	6.6	0.9	1.2	0.3
1.3	0.1	9.1	1.2	1.9	0.5
0.3	0.4	11.6	1.1	3.4	0.9
0.8	0.1	12.5	0.4	1.3	0.3
0.3	0.2	13.9	0.4	1.6	0.5
0.5	0.1	12.2	0.5	1.6	0.4
1.6	0.2	11.3	0.6	2.0	0.7
0.4	0.1	14.3	2.5	2.9	0.8
1.0	0.2	15.8	1.2	3.5	1.3
-	0.5	15.3	0.4	0.8	0.2
0.5	0.3	20.5	0.4	1.0	0.2
0.1	0.1	33.4	0.3	1.0	0.2

TABLE 2 Capital expenditure, 1976-1978
All United Kingdom establishments classified to mining, manufacturing, construction, gas, electricity and water (a) (b)

Standard Industrial Classification Orders or minimum list heading (c)	Industry	Year	Total net (d)		New building work	
			£ million	£ million	£ million	£ million
ORDER VII Mechanical engineering (continued)						
335	Textile machinery and accessories	1976	7.5	1.1		
		1977	7.4	0.8		
		1978	9.8	1.5		
336	Construction and earth-moving equipment	1976	40.1	15.2		
		1977	41.7	9.2		
		1978	38.9	7.7		
337	Mechanical handling equipment	1976	18.3	2.6		
		1977	26.1	5.0		
		1978	29.2	8.4		
338	Office machinery	1976	7.7	0.4		
		1977	7.6	0.2		
		1978	9.9	-		
339 (1)	Mining machinery	1976	9.7	1.9		
		1977	11.9	2.3		
		1978	14.8	2.1		
339 (2)	Printing, bookbinding and paper goods machinery	1976	5.6	0.8		
		1977	7.3	0.6		
		1978	14.2	1.5		
339 (3)(4)	Refrigerating machinery, space-heating, ventilating and air-conditioning equipment	1976	16.2	2.4		
		1977	28.7	7.5		
		1978	27.5	4.1		
339 (5)(6)	Scales and weighing machinery and portable power tools.	1976	5.9	0.7		
		1977	6.4	0.9		
		1978	6.3	0.8		
339 (7)(8)	Food and drink processing machinery and packaging and bottling machinery	1976	10.1	2.1		
		1977	16.7	4.5		
		1978	18.7	5.8		
339 (9)	Miscellaneous (non-electrical) machinery	1976	19.4	2.1		
		1977	29.6	5.8		
		1978	28.8	4.7		
341	Industrial (including process) plant and steelwork	1976	43.7	8.9		
		1977	81.4	14.8		
		1978	77.5	14.4		
342	Ordnance and small arms	1976	13.9	1.6		
		1977	14.9	1.9		
		1978	16.6	2.8		
349 (1)	Ball, roller, plain and other bearings	1976	12.9	2.0		
		1977	19.8	4.4		
		1978	13.6	1.9		
349 (2)(3)	Precision chains and other mechanical engineering	1976	44.6	4.1		
		1977	63.7	6.3		
		1978	81.7	7.7		
ORDER VIII Instrument engineering						
		1976	43.6	4.4		
		1977	63.2	6.4		
		1978	90.9	11.3		

TABLE 2 Capital expenditure, 1976-1978
All United Kingdom establishments classified to mining, manufacturing, construction, gas, electricity and water (a) (b)

Land and existing buildings	Plant and machinery	Vehicles	Total net (d)		New building work	
			£ million	£ million	£ million	£ million
Acquisitions	Disposals	Acquisitions	Disposals	Acquisitions	Disposals	
£ million	£ million	£ million	£ million	£ million	£ million	£ million
ORDER VII Instrument engineering (continued)						
0.5	0.2	6.1	1.1	1.6	0.5	
0.6	0.3	5.8	0.6	1.7	0.6	
-	0.9	10.8	3.3	2.6	0.9	
1.5	0.4	22.7	0.5	2.8	1.2	
1.9	0.2	28.5	1.1	5.3	1.8	
2.6	0.9	28.4	2.1	4.6	1.4	
2.0	0.6	11.9	0.4	3.9	1.1	
3.2	0.2	14.2	1.1	6.4	1.4	
3.1	1.3	16.2	1.3	5.4	1.3	
-	0.4	7.8	0.5	0.4	0.1	
0.1	0.1	7.2	0.2	0.6	0.2	
0.1	-	9.2	0.1	1.0	0.3	
0.5	0.3	6.8	0.4	1.5	0.4	
0.3	-	8.2	0.4	2.0	0.4	
0.2	-	11.2	0.4	2.2	0.5	
0.1	0.1	4.4	0.5	1.2	0.3	
0.5	1.1	6.5	0.5	1.7	0.4	
2.0	0.4	10.5	0.8	2.0	0.6	
1.5	0.1	10.0	0.3	3.6	0.8	
1.5	1.1	17.6	0.5	5.0	1.3	
1.3	0.9	20.3	0.8	4.8	1.3	
0.9	0.6	4.2	0.1	0.9	0.2	
0.2	0.1	4.8	0.1	1.0	0.2	
0.3	0.5	4.9	0.1	1.3	0.4	
0.1	-	6.7	0.2	2.0	0.5	
0.5	0.2	10.5	0.6	2.6	0.6	
1.0	0.2	10.6	0.6	3.1	1.0	
1.3	0.6	15.0	1.3	4.2	1.3	
1.6	1.3	20.5	1.4	6.2	1.9	
2.0	3.7	23.7	2.0	6.2	2.1	
3.8	1.8	28.8	3.2	10.7	3.4	
2.4	0.9	56.2	2.9	16.2	4.4	
8.0	4.2	51.1	2.9	15.7	4.6	
-	0.1	12.3	0.2	0.4	0.1	
0.2	-	12.6	0.2	0.5	0.1	
-	-	14.0	0.6	0.6	0.2	
0.4	0.9	11.5	0.6	0.7	0.2	
0.5	-	14.7	0.6	1.1	0.3	
0.9	0.7	11.6	0.6	0.9	0.4	
1.8	0.6	36.7	3.0	8.1	2.6	
3.1	0.5	51.3	4.2	11.0	3.2	
10.4	2.2	64.0	4.1	8.8	2.9	
1.9	1.3	35.3	1.6	7.3	2.5	
6.5	4.3	49.5	3.5	11.8	3.2	
7.4	2.0	68.5	1.7	10.8	3.4	

TABLE 2 Capital expenditure, 1976-1978
All United Kingdom establishments classified to mining, manufacturing, construction, gas, electricity and water (a)(b)

Standard Industrial Classification Orders or minimum list heading (c)	Industry	Year	Total net (d)		New building work	
			£ million	£ million	£ million	£ million
ORDER VIII Instrument engineering (continued)						
351	Photographic and document copying equipment	1976	8.2	2.4		
		1977	9.1	0.9		
		1978	11.3	0.2		
352	Watches and clocks	1976	2.5	0.1		
		1977	2.6	0.1		
		1978	5.2	0.3		
353	Surgical instruments and appliances	1976	7.7	0.4		
		1977	10.7	1.1		
		1978	13.7	1.1		
354	Scientific and industrial instruments and systems	1976	25.2	1.5		
		1977	40.8	4.3		
		1978	60.7	9.7		
ORDER IX Electrical engineering						
361	Electrical machinery	1976	41.5	7.7		
		1977	50.3	7.4		
		1978	73.0	9.8		
362	Insulated wires and cables	1976	19.9	1.1		
		1977	27.9	2.8		
		1978	37.3	4.1		
363	Telegraph and telephone apparatus and equipment	1976	31.2	6.3		
		1977	30.1	4.8		
		1978	56.3	13.9		
364	Radio and electronic components	1976	47.4	3.9		
		1977	58.0	3.5		
		1978	74.0	5.8		
365 (1)	Gramophone records and tape recordings	1976	2.1	0.1		
		1977	4.2	0.1		
		1978	2.4	-		
365 (2)	Broadcast receiving and sound reproducing equipment	1976	6.6	1.3		
		1977	8.8	1.3		
		1978	11.1	0.8		
366	Electronic computers	1976	12.0	4.0		
		1977	22.7	5.2		
		1978	37.2	10.9		
367	Radio, radar and electronic capital goods	1976	30.3	3.6		
		1977	42.5	3.8		
		1978	50.4	6.0		
368	Electrical appliances primarily for domestic use	1976	17.6	2.1		
		1977	30.6	3.7		
		1978	38.0	3.3		
369 (1)	Electrical equipment for motor vehicles, cycles and aircraft	1976	9.2	0.4		
		1977	10.4	1.4		
		1978	15.0	1.4		

Land and existing buildings		Plant and machinery		Vehicles	
Acquisitions	Disposals	Acquisitions	Disposals	Acquisitions	Disposals
£ million	£ million	£ million	£ million	£ million	£ million
-	-	5.9	0.4	0.4	0.1
-	-	8.0	0.4	0.7	0.1
0.1	-	10.3	0.2	1.1	0.2
0.1	-	2.2	-	0.2	0.1
-	-	2.4	0.1	0.3	0.1
-	-	4.8	-	0.1	-
0.2	0.1	6.4	0.2	1.6	0.6
1.1	0.1	7.9	0.8	2.2	0.8
3.1	-	8.3	0.3	2.4	0.9
1.6	1.2	20.8	1.0	5.1	1.7
5.4	4.2	31.2	2.2	8.6	2.2
4.2	2.0	45.1	1.2	7.2	2.3
9.5	6.8	200.1	12.8	22.9	5.4
11.8	6.3	263.7	14.8	33.2	7.9
16.3	9.2	344.2	12.4	33.7	8.3
1.4	1.0	30.8	1.0	4.8	1.2
2.4	1.3	37.6	1.1	7.1	1.9
2.4	1.0	59.4	2.1	6.2	1.7
0.7	0.3	17.6	0.2	1.4	0.3
0.3	1.0	24.5	0.6	2.4	0.4
0.7	0.3	31.7	0.4	1.8	0.3
0.7	0.2	25.4	1.9	1.3	0.3
0.2	0.2	25.8	1.5	1.5	0.4
0.7	1.6	41.8	1.4	4.0	1.1
1.9	0.6	42.2	1.6	2.5	0.8
3.6	0.7	52.9	3.7	3.5	1.1
4.9	0.9	64.7	2.5	2.9	0.9
0.1	-	1.6	0.1	0.6	0.2
0.2	-	3.6	0.1	0.6	0.2
-	-	2.0	-	0.5	0.1
0.3	0.2	8.0	3.5	1.0	0.3
0.1	0.9	9.2	2.2	1.7	0.3
0.1	0.1	9.7	0.3	1.2	0.3
0.1	1.4	9.2	0.9	1.3	0.2
0.7	0.4	18.5	2.4	1.4	0.3
0.2	0.6	26.7	1.3	1.7	0.4
1.4	0.1	25.6	2.1	2.6	0.8
1.0	0.1	36.8	1.8	3.9	1.1
3.4	3.3	43.6	2.4	4.4	1.3
0.7	1.2	14.0	0.5	3.0	0.5
1.5	0.6	22.5	0.4	5.0	1.0
2.8	0.2	28.1	0.5	5.6	1.1
0.7	0.3	7.7	0.2	1.2	0.1
0.2	-	7.9	0.4	2.0	0.6
0.1	0.4	12.6	0.2	1.8	0.3

TABLE 2 Capital expenditure, 1976-1978
All United Kingdom establishments classified to mining, manufacturing, construction, gas, electricity and water (a)(b)

Standard Industrial Classification Orders or minimum list heading (c)	Industry	Year	Total net (d)	
			£ million	£ million
ORDER IX	Electrical engineering (continued)			
369 (2)(3)	Primary and secondary batteries	1976	11.5	3.3
		1977	16.5	3.4
		1978	11.7	1.7
369 (4)(5)	Electric lamps, electric light fittings, wiring accessories, etc.	1976	13.3	1.8
		1977	17.7	3.0
		1978	17.9	2.3
ORDER X	Shipbuilding and marine engineering			
370		1976	65.8	27.6
		1977	64.9	21.2
		1978	77.8	30.9
ORDER XI	Vehicles			
380	Wheeled tractor manufacturing	1976	26.4	3.7
		1977	18.7	2.8
		1978	38.1	8.3
381 (1)	Motor vehicle manufacturing	1976	193.9	21.8
		1977	310.9	36.1
		1978	433.4	76.4
381 (2)	Trailers, caravans and freight containers	1976	4.8	0.9
		1977	10.5	3.7
		1978	11.0	2.6
382	Motor cycle, tricycle and pedal cycle manufacturing	1976	2.9	0.1
		1977	3.1	0.3
		1978	5.6	0.6
383	Aerospace equipment manufacturing and repairing	1976	55.6	8.6
		1977	60.2	10.7
		1978	84.4	11.4
384, 385	Locomotives, railway track equipment, railway carriages, wagons and trams	1976	9.5	1.9
		1977	11.4	3.8
		1978	14.9	4.2
ORDER XII	Metal goods not elsewhere specified			
390	Engineers' small tools and gauges	1976	14.0	0.7
		1977	24.8	2.6
		1978	35.6	1.5
391	Hand tools and implements	1976	4.5	0.8
		1977	4.8	0.4
		1978	7.0	2.3
392	Cutlery, spoons, forks and plated table-ware, etc.	1976	3.4	0.2
		1977	7.3	0.2
		1978	8.4	1.2
393	Bolts, nuts, screws, rivets etc.	1976	10.4	0.5
		1977	9.7	0.9
		1978	12.8	0.5

Land and existing buildings		Plant and machinery		Vehicles	
Acquisitions	Disposals	Acquisitions	Disposals	Acquisitions	Disposals
£ million	£ million	£ million	£ million	£ million	£ million
0.8	0.9	7.5	0.5	1.5	0.2
0.8	0.5	11.0	0.1	2.1	0.2
0.2	0.7	9.4	0.7	2.1	0.3
0.7	0.6	10.5	0.3	1.7	0.5
0.8	0.6	13.4	0.5	2.0	0.4
0.8	0.1	14.5	0.6	1.5	0.5
0.8	0.8	38.4	2.1	2.6	0.7
4.7	0.4	37.8	1.7	4.3	0.9
3.9	0.2	42.1	0.8	2.7	0.8
10.1	6.2	241.1	5.5	27.8	11.2
23.2	4.4	314.8	7.5	44.5	13.2
16.6	8.0	454.2	9.4	51.8	21.3
0.2	—	22.4	0.2	0.4	0.1
0.1	0.1	15.8	0.7	0.7	0.1
0.1	0.6	30.7	0.7	0.5	0.2
7.7	5.1	161.4	3.3	20.1	8.7
19.1	3.2	237.1	3.1	34.9	10.0
8.1	4.8	337.3	6.2	41.8	19.2
0.6	0.4	2.7	0.2	1.7	0.5
0.9	0.4	5.1	0.1	2.1	0.7
1.8	0.4	6.0	0.2	1.8	0.6
—	—	2.3	—	0.6	0.1
0.8	0.2	2.0	0.1	0.5	0.1
0.2	0.4	4.0	0.1	1.5	0.2
1.4	0.7	45.1	1.6	3.6	0.8
2.2	0.5	48.2	3.4	5.0	2.0
5.9	1.8	66.2	1.9	5.6	1.0
0.2	—	7.2	0.2	1.4	1.0
0.1	—	6.6	0.1	1.3	0.3
0.5	—	10.0	0.3	0.6	0.1
9.8	5.8	137.3	9.9	30.9	9.0
13.2	5.2	172.4	14.3	42.5	12.9
22.2	7.8	225.7	15.5	44.8	15.6
0.4	1.0	14.0	2.1	2.9	1.0
1.4	0.8	19.8	1.7	5.1	1.6
2.3	0.1	30.6	1.8	4.9	1.8
0.1	—	3.2	0.1	0.9	0.3
0.2	0.2	3.8	0.2	1.0	0.4
0.1	0.2	4.7	0.2	0.7	0.4
0.2	—	2.7	0.2	0.8	0.3
0.4	0.2	6.0	0.1	1.4	0.4
0.3	0.3	6.5	0.2	1.5	0.6
0.2	0.8	10.4	1.1	1.7	0.5
0.2	0.4	8.4	0.9	2.0	0.6
0.2	0.4	12.3	0.9	1.6	0.5

TABLE 2 Capital expenditure, 1976-1978
All United Kingdom establishments classified to mining, manufacturing, construction, gas, electricity and water (a)(b)

Standard Industrial Classification Orders or minimum list heading (c)	Industry	Year	Total net	New building
			(d)	work
			£ million	£ million
ORDER XII Metal goods not elsewhere specified (continued)				
394	Wire and wire manufactures	1976	16.1	1.8
		1977	21.1	2.5
		1978	34.2	3.6
395	Cans and metal boxes	1976	14.1	1.6
		1977	19.4	2.0
		1978	20.7	2.4
396	Jewellery and precious metals	1976	8.4	0.8
		1977	10.8	2.2
		1978	12.4	1.6
399 (1)	Metal furniture	1976	5.6	0.9
		1977	7.0	1.4
		1978	13.2	3.0
399 (5)	Drop forgings, etc.	1976	12.5	1.0
		1977	12.2	1.1
		1978	9.8	1.5
399 (6)(7)	Metal hollow-ware	1976	5.3	0.6
		1977	4.9	0.4
		1978	8.7	1.4
399 (2)(3)(4)(8)(9)(10)(11)(12)	Miscellaneous metal manufacture	1976	77.7	10.1
		1977	101.5	13.8
		1978	128.6	18.6
ORDER XIII Textiles				
411	Production of man-made fibres	1976	28.7	1.8
		1977	24.3	1.0
		1978	28.7	1.6
412	Spinning and doubling on the cotton and flax systems	1976	13.7	1.1
		1977	10.8	0.5
		1978	15.2	0.8
413	Weaving of cotton, linen and man-made fibres	1976	18.9	3.1
		1977	14.3	1.5
		1978	23.5	1.2
414	Woolen and worsted	1976	28.8	3.8
		1977	35.9	5.7
		1978	39.2	8.5
415	Jute	1976	3.6	0.3
		1977	5.1	0.4
		1978	7.4	0.8
416	Rope, twine and net	1976	1.2	0.4
		1977	1.1	0.1
		1978	1.6	0.1
417 (1)	Hosiery and other knitted goods	1976	25.7	1.3
		1977	26.4	1.8
		1978	33.9	3.2

Land and existing buildings		Plant and machinery		Vehicles	
Acquisitions	Disposals	Acquisitions	Disposals	Acquisitions	Disposals
£ million	£ million	£ million	£ million	£ million	£ million
0.4	0.1	13.3	0.8	2.0	0.5
0.3	0.3	17.5	0.8	2.5	0.7
6.2	0.6	23.2	0.5	3.2	0.9
0.5	0.2	12.6	0.9	0.9	0.2
3.3	0.2	13.3	1.0	2.3	0.5
0.4	—	17.6	1.2	1.9	0.4
1.7	—	5.4	0.3	1.3	0.5
0.7	0.1	7.3	0.5	2.1	0.9
3.6	0.2	7.9	0.8	1.7	1.4
0.1	—	4.1	0.2	1.2	0.4
0.2	—	4.3	0.1	2.0	0.8
0.1	—	8.9	0.2	3.2	1.8
0.3	1.1	12.2	0.4	0.6	0.2
0.3	0.1	10.6	0.3	0.8	0.2
0.4	0.1	8.2	0.6	0.6	0.2
0.5	0.1	3.7	0.3	1.2	0.2
0.2	—	3.6	0.5	1.7	0.3
0.1	0.1	6.4	0.5	1.8	0.4
5.4	2.5	55.7	3.5	17.4	4.9
6.0	2.9	77.8	8.2	21.6	6.5
8.5	5.8	99.4	8.6	23.7	7.2
8.1	4.0	154.0	13.1	17.4	5.5
5.3	8.3	161.7	14.5	24.3	7.4
17.1	8.4	196.7	13.8	27.3	8.6
0.2	—	27.3	0.9	0.5	0.2
0.1	0.1	23.0	0.6	1.1	0.1
0.2	0.1	27.5	1.0	0.7	0.2
0.1	0.3	12.8	0.9	1.2	0.4
0.1	0.2	11.0	1.7	1.5	0.5
1.5	0.3	13.4	1.3	1.6	0.5
0.5	0.3	15.9	1.0	0.9	0.3
0.5	0.4	13.5	1.7	1.5	0.5
0.1	0.7	22.9	0.9	1.5	0.6
1.1	1.4	26.4	3.1	3.1	1.0
1.1	1.7	30.7	2.6	4.0	1.3
1.1	2.4	32.3	2.9	4.1	1.5
0.2	—	3.2	0.3	0.3	0.1
0.1	0.4	5.0	0.2	0.3	0.1
—	0.1	6.9	0.7	0.6	0.1
—	—	1.7	1.1	0.3	0.1
0.1	—	1.2	0.4	0.4	0.2
—	—	1.4	0.1	0.5	0.3
1.4	1.0	24.6	2.7	3.0	1.0
1.5	1.8	24.4	2.6	4.5	1.5
2.6	3.7	31.0	2.9	5.3	1.6

TABLE 2 Capital expenditure, 1976-1978
All United Kingdom establishments classified to mining, manufacturing, construction, gas, electricity and water (a)(b)

Standard Industrial Classification Orders or minimum list heading (c)	Industry	Year	Total net (d)	
			£ million	£ million
ORDER XIII				
Textiles (continued)				
417 (2)	Warp knitting	1976	2.7	0.2
		1977	7.6	0.3
		1978	6.7	0.7
418	Lace	1976	0.6	0.1
		1977	1.0	0.2
		1978	1.5	0.1
419	Carpets	1976	14.5	1.3
		1977	12.0	2.5
		1978	25.1	3.1
421	Narrow fabrics	1976	3.7	0.4
		1977	4.9	0.4
		1978	6.2	1.7
422 (1)	Household textiles and handkerchiefs	1976	2.9	0.4
		1977	3.2	0.7
		1978	8.0	1.3
422 (2)	Canvas goods and sacks and other made-up textiles	1976	1.5	0.3
		1977	2.3	0.5
		1978	3.0	0.3
423	Textile finishing	1976	19.1	2.4
		1977	19.3	1.9
		1978	23.5	3.0
429 (1)	Asbestos	1976	5.6	0.7
		1977	6.7	0.6
		1978	8.9	0.5
429 (2)	Miscellaneous textile industries	1976	3.9	0.2
		1977	4.6	0.4
		1978	5.2	0.4
ORDER XIV				
Leather, leather goods and fur				
431	Leather (tanning and dressing) and fellmongery	1976	6.6	1.0
		1977	8.4	1.4
		1978	9.6	1.8
432	Leather goods	1976	3.2	0.1
		1977	2.2	0.2
		1978	4.0	1.1
433	Fur	1976	0.8	—
		1977	0.7	—
		1978	1.6	—
ORDER XV				
Clothing and footwear				
441	Weatherproof outerwear	1976	2.4	0.3
		1977	3.0	0.1
		1978	3.0	0.5

TABLE 2 Capital expenditure, 1976-1978
All United Kingdom establishments classified to mining, manufacturing, construction, gas, electricity and water (a)(b)

Land and existing buildings		Plant and machinery		Vehicles	
Acquisitions	Disposals	Acquisitions	Disposals	Acquisitions	Disposals
£ million	£ million	£ million	£ million	£ million	£ million
0.1	—	2.9	0.7	0.4	0.1
—	—	8.7	1.8	0.7	0.3
1.9	—	4.5	0.8	0.6	0.2
0.1	—	0.4	0.1	0.2	0.1
—	—	0.6	—	0.3	0.1
—	—	1.2	0.1	0.5	0.2
2.8	0.1	9.2	0.3	2.1	0.6
0.6	2.4	10.5	0.9	2.5	0.8
4.8	0.4	16.8	1.5	3.2	0.9
0.3	0.2	3.0	0.1	0.5	0.2
—	0.3	4.2	0.1	0.9	0.3
0.3	0.6	4.7	0.3	0.8	0.4
0.2	0.2	2.0	0.2	0.9	0.3
0.3	0.3	2.0	0.1	1.0	0.3
1.5	—	4.3	0.2	1.7	0.6
0.2	—	0.7	0.1	0.8	0.3
0.2	0.2	1.3	0.1	1.0	0.3
0.3	—	1.3	—	1.6	0.5
0.2	0.4	17.0	1.4	1.7	0.5
0.4	0.3	16.5	0.9	2.2	0.6
2.2	0.1	17.7	1.1	2.4	0.6
—	0.1	4.4	0.1	0.9	0.2
0.1	0.1	5.6	0.7	1.6	0.3
0.5	—	6.9	—	1.3	0.3
0.7	—	2.5	0.1	0.6	0.1
0.2	0.1	3.5	0.1	0.8	0.2
0.1	—	3.9	—	0.9	0.1
1.8	0.3	6.7	0.4	2.4	0.8
0.9	0.2	7.5	0.3	2.9	1.0
1.5	0.4	9.4	0.6	3.6	1.2
0.9	0.2	4.5	0.4	1.2	0.4
0.6	0.2	5.8	0.3	1.6	0.5
0.8	0.1	6.3	0.4	1.8	0.6
0.7	0.1	1.8	—	1.0	0.3
0.2	—	1.2	—	1.1	0.4
0.4	0.3	2.1	0.2	1.4	0.5
0.2	—	0.4	—	0.2	0.1
0.1	—	0.5	—	0.2	0.1
0.3	—	1.0	—	0.4	0.1
3.9	1.9	26.7	2.1	11.8	4.4
4.2	3.3	35.6	2.2	16.1	6.1
6.1	6.6	45.7	2.4	18.4	6.4
0.3	0.1	1.5	0.1	0.8	0.3
0.5	0.1	2.0	0.1	1.0	0.4
0.3	0.5	2.1	0.1	1.0	0.3

TABLE 2 Capital expenditure, 1976-1978
All United Kingdom establishments classified to mining, manufacturing, construction, gas, electricity and water (a)(b)

Standard Industrial Classification Orders or minimum list heading (c)	Industry	Year		Total net (d)	New building work	
		1976	1977		£ million	£ million
ORDER XV Clothing and footwear (continued)						
442	Men's and boys' tailored outerwear	1976	1977	7.4	0.5	1.0
		1978		9.4	1.2	—
		1976	1977	10.3	0.7	1.9
		1978				
443	Women's and girls' tailored outerwear	1976	1977	3.3	0.6	1.0
		1978		6.5	0.8	—
		1976	1977	6.7	0.8	—
		1978				
444	Overalls and men's shirts, underwear, etc.	1976	1977	4.8	0.3	3.5
		1978		7.4	1.0	8.0
		1976	1977	6.9	0.8	4.4
		1978				
445	Dresses, lingerie, infants wear etc.	1976	1977	10.3	0.9	8.0
		1978		11.0	1.4	—
		1976	1977	19.6	4.1	2.0
		1978				
446	Hats, caps and millinery	1976	1977	0.5	0.1	0.0
		1978		0.8	0.1	0.0
		1976	1977	0.5	0.4	1.9
		1978				
449 (1)(3)(4)	Corsets and miscellaneous dress industries	1976	1977	2.3	0.2	0.0
		1978		3.5	0.4	0.0
		1976	1977	4.8	1.1	0.0
		1978				
449 (2)	Gloves	1976	1977	0.7	0.2	0.0
		1978		1.2	0.7	4.0
		1976	1977	0.8	0.1	0.0
		1978				
450	Footwear	1976	1977	5.8	0.3	—
		1978		7.8	0.6	1.0
		1976	1977	12.2	1.5	0.0
		1978				
ORDER XVI Bricks, pottery, glass, cement, etc.						
461 (1)	Refractory goods	1976	1977	8.1	0.7	8.1
		1978		12.8	1.3	0.0
		1976	1977	20.6	1.4	2.1
		1978				
461 (2)	Building bricks and non-refractory goods	1976	1977	18.6	2.3	0.0
		1978		21.9	3.3	0.0
		1976	1977	20.8	3.6	0.0
		1978				
462	Pottery	1976	1977	19.1	4.1	7.0
		1978		23.2	5.6	0.0
		1976	1977	22.1	5.1	4.0
		1978				
463	Glass	1976	1977	30.7	4.5	0.0
		1978		58.3	9.8	1.0
		1976	1977	83.7	11.7	0.0
		1978				
464	Cement	1976	1977	21.2	2.4	0.0
		1978		30.7	3.6	0.0
		1976	1977	27.0	4.0	1.0
		1978				
469 (1)	Abrasives	1976	1977	3.4	0.3	0.0
		1978		3.5	0.2	0.0
		1976	1977	5.1	0.9	0.0
		1978				

Land and existing buildings		Plant and machinery		Vehicles	
Acquisitions	Disposals	Acquisitions	Disposals	Acquisitions	Disposals
£ million	£ million	£ million	£ million	£ million	£ million
0.4	0.4	6.1	0.3	1.7	0.6
0.9	0.5	7.1	0.6	2.1	0.8
0.3	0.3	8.1	0.4	3.0	1.1
0.3	0.2	2.1	0.2	1.2	0.5
0.8	—	4.0	0.1	1.8	0.7
0.6	0.4	4.3	0.2	2.4	0.8
0.3	0.3	3.8	0.4	1.4	0.5
0.6	0.5	5.5	0.5	2.0	0.8
0.4	0.5	5.4	0.6	2.2	0.8
1.6	0.3	6.8	0.7	3.4	1.3
0.8	1.4	7.6	0.5	5.0	1.9
3.4	3.4	12.9	0.7	5.2	1.9
—	—	0.3	—	0.2	0.1
—	—	0.5	—	0.3	0.1
0.1	0.8	0.6	—	0.3	0.1
0.2	—	1.6	0.1	0.8	0.3
0.2	0.2	2.5	0.1	1.2	0.4
0.4	—	2.8	0.1	1.0	0.4
0.4	0.3	0.3	—	0.2	0.1
—	—	0.3	—	0.3	0.1
—	—	0.5	—	0.3	0.1
0.4	0.3	4.2	0.3	2.1	0.7
0.4	0.6	6.1	0.3	2.4	0.9
0.6	0.7	9.0	0.3	3.0	0.9
7.5	8.3	122.4	4.9	19.7	4.3
8.0	2.7	178.3	7.0	34.1	6.2
8.0	4.2	199.3	5.4	34.1	6.7
0.1	0.1	7.0	0.3	1.1	0.2
0.9	0.2	10.0	0.1	1.2	0.3
1.0	0.2	18.0	0.3	1.1	0.4
0.7	0.6	14.3	0.2	2.5	0.4
0.3	0.5	16.9	0.3	2.6	0.4
0.9	0.8	15.3	0.6	2.9	0.5
3.0	0.1	11.1	0.2	1.7	0.5
1.1	0.2	15.2	0.1	2.2	0.6
1.1	0.3	15.7	0.5	1.7	0.7
0.6	5.7	30.4	1.1	2.6	0.6
1.0	0.6	49.3	3.6	3.2	0.8
1.4	—	70.2	1.4	2.8	1.0
0.6	0.2	17.1	1.0	2.5	0.2
0.5	0.2	22.4	0.2	5.1	0.4
0.3	0.1	18.8	0.2	4.6	0.4
0.3	—	2.3	0.1	0.7	0.3
0.1	—	2.3	—	1.4	0.3
—	—	3.2	0.1	1.5	0.4

TABLE 2 Capital expenditure, 1976-1978
All United Kingdom establishments classified to mining, manufacturing, construction, gas, electricity and water (a)(b)

Standard Industrial Classification Orders or minimum list heading (c)	Industry	Year	Total net (d)	New building work
			£ million	£ million
ORDER XVI Bricks, pottery, glass, cement, etc. (continued)				
469 (2)	Miscellaneous building materials and mineral products	1976	49.7	4.5
		1977	85.1	7.3
		1978	80.7	8.2
ORDER XVII Timber, furniture, etc.				
471	Timber	1976	44.0	11.0
		1977	48.6	10.1
		1978	58.6	14.7
472	Furniture and upholstery	1976	21.6	2.6
		1977	30.7	3.8
		1978	48.5	8.0
473	Bedding etc.	1976	3.9	0.4
		1977	4.8	0.5
		1978	8.1	1.3
474	Shop and office fitting	1976	6.7	0.6
		1977	14.9	2.0
		1978	9.9	0.9
475	Wooden containers and baskets	1976	3.7	0.5
		1977	4.7	0.5
		1978	4.8	0.5
479	Miscellaneous wood and cork manufactures	1976	4.8	0.4
		1977	7.6	1.4
		1978	9.0	2.0
ORDER XVIII Paper, printing and publishing				
481	Paper and board	1976	38.2	4.4
		1977	52.8	4.9
		1978	74.5	7.4
482 (1)	Cardboard boxes, cartons and fibre-board packing cases	1976	27.2	1.6
		1977	35.5	2.8
		1978	48.7	4.5
482 (2)	Packaging products of paper and associated materials	1976	11.5	0.8
		1977	17.3	1.2
		1978	14.8	3.3
483	Manufactured stationery	1976	15.2	1.6
		1977	16.1	1.4
		1978	23.1	2.4
484 (1)	Wallcoverings	1976	3.3	0.4
		1977	5.2	1.6
		1978	4.2	0.9
484 (2)	Miscellaneous manufactures of paper and board	1976	9.3	1.1
		1977	15.1	2.3
		1978	23.9	3.3

TABLE 2 Capital expenditure, 1976-1978
All United Kingdom establishments classified to mining, manufacturing, construction, gas, electricity and water (a)(b)

Land and existing buildings		Plant and machinery		Vehicles	
Acquisitions	Disposals	Acquisitions	Disposals	Acquisitions	Disposals
£ million	£ million	£ million	£ million	£ million	£ million
2.2	1.6	40.2	2.0	8.6	2.1
4.1	1.0	62.2	2.7	18.4	3.4
3.3	2.8	58.1	2.3	19.5	3.3
8.0	1.7	45.3	2.4	27.4	7.5
8.1	5.7	64.3	3.5	40.3	10.8
19.7	7.6	78.5	7.4	39.8	11.5
3.5	0.4	22.5	1.3	11.7	3.1
3.0	3.6	28.3	1.7	16.5	4.1
4.6	5.7	38.8	4.8	15.2	4.2
1.5	0.6	13.1	0.6	7.7	2.0
1.9	1.3	20.0	1.2	10.2	2.8
10.0	0.1	23.3	1.4	12.1	3.4
0.5	0.3	2.0	0.2	2.0	0.6
0.3	0.2	2.3	0.1	2.8	0.9
1.0	0.3	3.8	0.2	3.3	0.8
1.8	0.2	2.7	0.1	2.9	1.0
1.8	0.5	7.0	0.2	6.7	1.9
2.5	0.3	3.9	0.2	4.8	1.7
0.4	—	1.7	0.1	1.6	0.4
1.0	—	2.1	0.1	1.7	0.5
0.7	0.5	2.9	0.4	2.3	0.7
0.3	0.2	3.3	0.1	1.5	0.4
0.1	0.1	4.6	0.2	2.4	0.6
0.9	0.7	5.8	0.4	2.1	0.7
7.1	7.7	180.2	14.4	34.4	11.4
11.5	7.3	240.1	17.6	47.5	14.1
12.8	10.4	309.6	22.6	51.5	16.7
0.4	1.5	34.7	1.1	2.0	0.7
0.5	1.0	47.4	1.2	2.9	0.7
0.5	0.8	66.5	1.1	2.8	0.8
1.1	0.3	23.7	1.1	3.1	1.0
1.6	0.4	29.6	1.7	5.0	1.3
1.8	0.7	41.0	2.0	5.5	1.4
0.1	0.1	10.1	0.2	1.3	0.4
0.9	0.2	14.7	0.5	1.6	0.5
0.3	0.5	14.7	3.9	1.5	0.6
0.4	0.5	12.9	1.1	2.9	1.0
0.6	0.8	13.1	1.1	4.0	1.3
1.3	0.1	19.0	1.9	3.9	1.5
0.1	—	2.9	0.1	0.2	0.1
(f)	0.1	3.6	0.2	0.4	0.1
—	0.4	4.2	0.7	0.4	0.2
0.2	0.5	8.5	0.9	1.4	0.4
0.2	0.1	12.1	0.2	1.2	0.3
1.0	0.4	19.2	0.4	1.9	0.7

TABLE 2 Capital expenditure, 1976-1978
All United Kingdom establishments classified to mining, manufacturing, construction, gas, electricity and water (a)(b)

Standard Industrial Classification Orders or minimum list heading (c)	Industry	Year	Total net (d)		New building work
			£ million	£ million	
ORDER XVIII Paper, printing and publishing (continued)					
485, 486	Printing, publishing of newspapers and periodicals	1976	39.5	5.7	
		1977	43.7	3.9	
		1978	54.6	7.4	
489	General printing and publishing	1976	67.6	8.1	
		1977	98.2	5.6	
		1978	117.7	8.1	
ORDER XIX Other manufacturing industries					
491	Rubber	1976	40.7	3.1	
		1977	65.0	5.8	
		1978	63.9	8.8	
492	Linoleum, plastics floor-covering, leather-cloth, etc.	1976	3.4	0.8	
		1977	18.6	5.7	
		1978	13.4	3.0	
493	Brushes and brooms	1976	2.5	0.1	
		1977	2.9	0.3	
		1978	3.4	0.3	
494 (1)(2)	Toys, games and children's carriages	1976	12.3	1.8	
		1977	16.3	3.1	
		1978	22.2	2.6	
494 (3)	Sports equipment	1976	3.0	0.3	
		1977	4.4	0.6	
		1978	5.1	0.6	
495	Miscellaneous stationers' goods	1976	3.6	0.4	
		1977	4.6	0.3	
		1978	7.9	0.8	
496	Plastics products	1976	69.9	7.8	
		1977	89.1	9.1	
		1978	115.6	11.8	
499 (1)	Musical instruments	1976	0.8	0.1	
		1977	1.1	0.1	
		1978	1.3	0.2	
499 (2)	Miscellaneous manufacturing industries	1976	3.6	0.7	
		1977	5.5	1.3	
		1978	7.0	0.5	
ORDER XX Construction					
500	Construction	1976	462.4	59.6	
		1977	509.1	59.5	
		1978	617.3	54.1	
ORDER XXI Gas, electricity and water					
601	Gas	1976	1,347.5	404.5	
		1977	1,210.0	337.7	
		1978	1,413.9	393.6	

Land and existing buildings		Plant and machinery		Vehicles	
Acquisitions	Disposals	Acquisitions	Disposals	Acquisitions	Disposals
£ million	£ million	£ million	£ million	£ million	£ million
2.0	1.6	31.5	4.2	8.6	2.5
3.3	3.1	33.8	3.5	12.5	3.2
3.4	3.6	39.3	2.6	14.4	3.7
2.8	3.2	55.9	5.7	14.9	5.3
4.4	1.6	85.8	9.2	19.9	6.7
4.5	3.9	105.7	10.0	21.1	7.8
6.2	7.3	121.0	8.1	18.3	5.4
9.1	3.5	163.5	6.5	25.3	7.1
14.7	7.9	193.9	7.2	26.8	9.1
1.2	4.3	38.3	1.1	4.4	1.0
2.8	1.2	54.4	1.8	6.3	1.4
2.7	5.6	55.5	1.8	6.0	1.7
0.1	0.9	5.6	2.5	0.5	0.2
0.1	—	12.4	0.2	0.9	0.3
0.1	0.4	10.6	0.2	0.6	0.3
0.1	—	2.0	0.1	0.7	0.3
—	0.1	2.4	0.2	0.7	0.3
0.4	0.2	3.5	0.1	0.9	1.4
0.3	—	8.9	0.2	1.9	0.5
1.3	0.1	10.7	0.3	2.1	0.6
3.2	0.2	15.9	0.6	1.9	0.6
0.2	—	2.2	—	0.6	0.2
0.3	0.1	2.9	0.1	1.0	0.3
0.1	—	3.8	0.3	1.2	0.3
0.3	—	2.9	0.4	0.7	0.3
0.1	0.1	3.8	0.1	0.9	0.3
0.1	0.2	6.8	0.3	1.2	0.5
3.8	2.0	58.2	3.7	8.4	2.6
4.0	1.6	73.2	3.7	11.3	3.3
6.2	1.0	93.3	3.8	12.8	3.7
—	—	0.6	—	0.2	—
—	—	0.7	—	0.5	0.1
0.1	0.2	0.8	—	0.5	0.1
0.2	0.1	2.3	0.1	0.9	0.3
0.5	0.3	3.0	0.1	1.6	0.5
1.8	0.1	3.7	0.1	1.7	0.5
42.5	16.6	324.5	82.0	191.7	57.4
33.9	15.7	318.8	77.1	263.5	73.7
26.2	19.7	471.1	126.8	301.5	89.1
9.2	9.5	937.3	8.4	17.5	3.0
8.6	8.5	864.3	8.6	21.1	4.6
26.3	16.1	985.2	6.0	35.1	4.2
—	3.8	230.3	1.3	1.5	0.9
1.6	3.4	185.5	1.9	4.6	2.0
18.8	6.1	272.9	1.0	19.3	1.0

TABLE 2 Capital expenditure, 1976-1978
All United Kingdom establishments classified to mining, manufacturing, construction, gas, electricity and water (a)(b)

Standard Industrial Classification Orders or minimum list heading (c)	Industry	Year	Total net (d)	
			£ million	£ million
ORDER XXI Gas, electricity and water (continued)				
602	Electricity	1976	891.8	214.8
		1977	835.4	183.8
		1978	860.2	176.6
603	Water supply	1976	219.6	179.3
		1977	184.0	147.7
		1978	238.2	204.4
Energy industries (e)				
101	Coal mining	1976	340.1	62.9
		1977	323.5	90.6
		1978	409.4	126.6
104	Petroleum and natural gas	1976	2,117.9	1,370.3
		1977	1,943.6	1,240.3
		1978	2,137.8	1,196.1
262	Mineral oil refining	1976	72.7	3.0
		1977	72.1	5.8
		1978	154.5	4.6
263	Lubricating oils and greases	1976	7.0	2.4
		1977	11.1	4.3
		1978	7.7	1.2
601	Gas	1976	236.1	10.4
		1977	190.6	6.2
		1978	315.5	12.6
602	Electricity	1976	891.8	214.8
		1977	835.4	183.8
		1978	860.2	176.6

- (a) Including estimates for establishments not making satisfactory returns, non-response, and establishments employing less than 20 persons.
- (b) Capital expenditure in respect of manufacturing establishments where production had not commenced before the end of the year, is included.
- (c) References to Orders are to those in the Standard Industrial Classification (revised 1968). Industry code numbers indicate the minimum list heading (MLH) and, if appropriate, a sub-division of a minimum list heading. For industries covering two or more sub-divisions, the sub-divisions are given in brackets.

Land and existing buildings		Plant and machinery		Vehicles	
Acquisitions	Disposals	Acquisitions	Disposals	Acquisitions	Disposals
£ million	£ million	£ million	£ million	£ million	£ million
4.7	3.2	671.8	6.9	12.2	1.6
4.3	3.9	647.3	6.5	12.3	1.7
3.5	7.9	683.2	4.8	11.9	2.3
4.5	2.5	35.2	0.2	3.8	0.5
2.7	1.2	31.5	0.2	4.2	0.9
4.0	2.1	29.1	0.2	3.9	0.9
6.9	7.3	1,251.6	10.4	16.5	3.0
9.4	13.9	1,141.7	10.8	20.4	4.4
25.1	46.0	1,424.9	9.6	35.4	4.1
1.7	—	276.5	1.4	0.6	0.1
2.8	—	231.9	2.2	0.5	—
2.6	31.9	313.6	1.8	0.4	0.1
1.2	0.3	626.9	0.1	120.0	—
0.8	58.1	757.7	14.5	17.4	0.1
1.9	—	912.5	4.1	32.8	1.4
0.1	0.1	69.5	0.8	1.1	0.1
0.2	6.5	71.8	0.2	1.1	0.2
0.1	—	150.4	1.9	1.5	0.2
0.4	0.2	3.5	—	1.1	0.3
0.5	0.1	5.2	—	1.9	0.5
0.1	0.1	4.8	0.1	2.3	0.5
—	3.8	230.3	1.3	1.5	0.9
1.6	3.4	185.5	1.9	4.6	2.0
18.8	6.1	272.9	1.0	19.3	1.0
4.7	3.2	671.8	6.9	12.2	1.6
4.3	3.9	647.3	6.5	12.3	1.7
3.5	7.9	683.2	4.8	11.9	2.3

- (d) New building work plus acquisitions less disposals of land and existing buildings, vehicles and plant and machinery.
- (e) Excluding MLH 104 - Petroleum and natural gas.
- (f) Included with new building work.

TABLE 3 Summary of revisions to Provisional Results, 1974-1976
By Industry and Order: based on absolute percentages (a)

	Percentage					
	Average 1974-1976		50 per cent of the revisions were below		80 per cent of the revisions were below	
	Industry	Order	Industry	Order	Industry	Order
Gross output	6.4	3.8	5.1	3.7	9.7	5.5
Cost of purchases	9.5	6.1	6.1	5.0	12.7	9.0
Net output	7.9	4.0	5.2	3.3	11.9	6.2
Gross value added (b)	8.4	3.2	5.4	2.3	10.4	5.4
Gross value added per head (b)	8.4	3.1	4.5	2.4	10.3	4.1
Employment (c)						
Total	4.7	1.9	3.2	1.4	7.8	3.1
Operatives	5.6	2.2	3.8	1.9	8.9	3.9
Others (d)	6.2	2.7	4.6	2.2	9.0	4.6
Wages and salaries						
Operatives	5.9	2.4	4.4	2.2	8.9	3.8
Others (d)	6.9	3.7	5.1	3.3	9.8	5.9

(a) Revisions between the compilation of provisional and final results may be attributed to a number of factors: higher response at the later stage; longer preparation time for final results allowing more rigorous credibility checking of aggregates and returns; better estimation methods which are possible for final results.

An indication of the size of revisions is given in this table which is based on a comparison of provisional and final results of the censuses for 1974-1976. The percentage revision (disregarding the sign) between the provisional and final 1974 results was calculated for each industry and the mean revision obtained. The mean revision for each of the headings was similarly obtained for 1975 and 1976. The arithmetical averages of the mean revisions for the three years are given in the table. The 50 per cent and 80 per cent limits for each heading for each of the three years were similarly averaged. The same procedure was used for the Orders to obtain the corresponding statistics at SIC Order level.

- (b) Figures for 1976 only.
- (c) Average number employed (full and part-time) during the year (including working proprietors).
- (d) Administrative, technical and clerical employees.

TABLE 4 All United Kingdom establishments classified to mining, manufacturing, construction, gas, electricity and water

SIC Code	Description	1974		1975		1976	
		Value	%	Value	%	Value	%
201	Coal mining	7,810	0.8	7,810	0.8	7,810	0.8
100	Stone and other quarrying and mining	14,320	1.7	14,320	1.7	14,320	1.7
102	Chalk, clay, sand and gravel extraction	11,330	1.4	11,330	1.4	11,330	1.4
104	Petroleum and natural gas	18,330	2.2	18,330	2.2	18,330	2.2
100 (11)(12)(13)(14)	Metallic mineral mining and quarrying	17,571	2.1	17,571	2.1	17,571	2.1
244	Iron and steel mill	10,100	1.2	10,100	1.2	10,100	1.2
312	Food and kindred products	4,310	0.5	4,310	0.5	4,310	0.5
312	Bacon curing, slaughtering and freezing	1,240	0.1	1,240	0.1	1,240	0.1
312	Milk and milk products	10,710	1.3	10,710	1.3	10,710	1.3
312	Sugar	12,380	1.5	12,380	1.5	12,380	1.5
312	Cocoa, chocolate and sugar confectionery	1,740	0.2	1,740	0.2	1,740	0.2
312	Fruit and vegetable products	2,420	0.3	2,420	0.3	2,420	0.3
312	Animal and poultry foods	11,080	1.3	11,080	1.3	11,080	1.3
321	Vegetable and animal oils and fats	12,340	1.5	12,340	1.5	12,340	1.5
322 (1)	Margarine	11,800	1.4	11,800	1.4	11,800	1.4
322 (2)	Starch and miscellaneous food preparations	9,910	1.2	9,910	1.2	9,910	1.2
322	Brewing and distilling	12,330	1.5	12,330	1.5	12,330	1.5
322 (1)	Soft drinks	12,330	1.5	12,330	1.5	12,330	1.5
322 (1)	Spirit distilling and compounding	11,300	1.4	11,300	1.4	11,300	1.4
322 (2)	British wine, beer and gin	11,080	1.3	11,080	1.3	11,080	1.3
340	Tobacco	10,130	1.2	10,130	1.2	10,130	1.2
351	Coke, iron and steel foundries	11,100	1.3	11,100	1.3	11,100	1.3
352	Mineral oil refining	31,284	3.8	31,284	3.8	31,284	3.8
353	Lubricating oils and greases	10,430	1.3	10,430	1.3	10,430	1.3
371 (1)	Inorganic chemicals	11,800	1.4	11,800	1.4	11,800	1.4
371 (2)	Organic chemicals	11,040	1.3	11,040	1.3	11,040	1.3
371 (3)	Miscellaneous chemicals	11,800	1.4	11,800	1.4	11,800	1.4
372	Pharmaceuticals, chemical and allied preparations	12,830	1.6	12,830	1.6	12,830	1.6
373	Toilet preparations	8,330	1.0	8,330	1.0	8,330	1.0
374	Paints	10,340	1.2	10,340	1.2	10,340	1.2
375	Soap and detergents	10,330	1.2	10,330	1.2	10,330	1.2

TABLE 4 Operating ratios, 1978
All United Kingdom establishments classified to mining, manufacturing, construction, gas, electricity and water

Standard Industrial Classification minimum list heading	Industry	Gross output per head	Net output per head	Gross value added per head	Gross value added as a percentage of gross output
		£	£	£	%
101	Coal mining	10,275	7,945	7,619	74.1
102	Stone and slate quarrying and mining	33,078	20,675	14,528	43.9
103	Chalk, clay, sand and gravel extraction	22,610	15,330	11,271	49.8
104	Petroleum and natural gas	..	..	..	..
109 (1)(2)(3)(4)	Miscellaneous mining and quarrying	28,429	17,571	12,973	45.6
211	Grain milling	59,159	13,153	9,536	16.1
212	Bread and flour confectionery	11,323	4,713	4,223	37.3
213	Biscuits	15,248	6,388	5,791	38.0
214	Bacon curing, meat and fish products	22,882	6,502	5,165	22.6
215	Milk and milk products	58,254	12,748	10,716	18.4
216	Sugar	59,377	16,262	12,795	21.6
217	Cocoa, chocolate and sugar confectionery	22,149	7,746	5,786	26.1
218	Fruit and vegetable products	24,410	8,795	7,039	28.8
219	Animal and poultry foods	71,340	14,417	11,051	15.5
221	Vegetable and animal oils and fats	113,190	12,848	9,403	8.3
229 (1)	Margarine	67,442	14,302	11,802	17.5
229 (2)	Starch and miscellaneous foods	45,152	11,588	9,518	21.1
231	Brewing and malting	53,561	17,365	15,930	29.7
232	Soft drinks	37,080	14,024	12,726	34.3
239 (1)	Spirit distilling and compounding	61,190	22,171	17,894	29.2
239 (2)	British wines, cider and perry	31,660	11,660	8,059	25.4
240	Tobacco	99,005	16,474	15,015	15.2
261	Coke ovens and manufactured fuel	43,521	11,167	9,416	21.6
262	Mineral oil refining	358,847	35,147	31,584	8.8
263	Lubricating oils and greases	60,746	19,433	16,949	27.9
271 (1)	Inorganic chemicals	36,065	14,383	11,852	32.9
271 (2)	Organic chemicals	69,751	15,620	11,646	16.7
271 (3)	Miscellaneous chemicals	33,740	13,607	11,668	34.6
272	Pharmaceutical chemicals and preparations	28,609	15,146	12,822	44.8
273	Toilet preparations	23,415	11,520	8,338	35.6
274	Paint	27,588	12,950	10,244	37.1
275	Soap and detergents	47,123	18,404	13,836	29.4

Ratio of gross output to stocks	Wages and salaries as a percentage of gross value added	Ratio of operatives to ATC	Wages and salaries per ATC	Wages and salaries per operative	Net capital expenditure per head	Net capital expenditure as a percentage of gross value added
						%
6,262	59.3	9.5	5,449	4,420	1,424	18.7
19,232	27.1	3.7	4,143	3,969	2,108	14.5
15,353	34.1	3.1	4,458	3,750	2,005	17.8
..
16,820	41.2	3.8	6,077	5,160	3,825	29.5
9,968	44.0	2.7	4,420	4,168	1,767	18.5
28,944	65.0	7.1	3,346	2,677	343	8.1
10,666	42.9	5.9	3,328	2,342	648	11.2
9,916	59.8	4.2	4,152	2,867	772	15.0
12,891	35.7	3.9	3,634	3,874	1,426	13.3
10,120	37.6	2.7	6,485	4,202	3,041	23.7
6,257	55.7	3.2	4,297	2,906	998	17.3
4,157	47.6	3.7	4,488	3,058	770	10.9
14,173	40.4	1.4	4,869	4,301	1,627	14.7
8,801	45.4	2.7	4,762	4,158	1,608	17.1
24,763	36.2	2.9	4,909	4,063	884	7.5
6,111	34.6	3.4	4,295	3,019	1,363	14.3
10,298	28.5	2.0	4,591	4,518	2,929	18.4
8,767	26.0	3.4	4,054	3,141	1,028	8.1
1,719	21.3	3.1	4,781	3,492	1,255	7.0
2,698	48.7	1.7	3,800	4,000	1,698	21.1
9,530	28.7	3.1	5,500	3,925	717	4.8
2,480	48.2	5.0	5,500	4,350	1,219	12.9
7,383	17.8	2.1	6,607	5,183	8,729	27.7
6,402	26.0	1.2	4,900	4,111	1,149	6.8
7,052	42.3	1.8	5,574	4,727	3,914	33.0
7,601	46.7	1.6	6,419	4,821	8,435	72.4
3,749	42.1	1.2	5,473	4,449	3,072	26.3
3,417	32.1	1.1	4,781	3,524	1,848	14.4
4,506	39.2	1.6	4,333	2,657	725	8.7
5,111	39.6	1.2	4,680	3,577	609	5.9
7,805	27.9	2.0	4,750	3,496	1,187	8.6

TABLE 4 Operating ratios, 1978
All United Kingdom establishments classified to mining, manufacturing, construction, gas, electricity and water

Standard Industrial Classification minimum list heading	Industry	Gross output per head	Net output per head	Gross value added per head	Gross value added as a percentage of gross output
		£	£	£	%
276	Synthetic resins and plastics materials and synthetic rubber	37,513	12,286	10,212	27.2
277	Dyestuffs and pigments	31,244	14,456	13,145	42.1
278	Fertilizers	43,057	20,380	16,610	38.6
279 (1)	Polishes	31,415	13,151	9,335	29.7
279 (2)	Formulated adhesives, gelatine, etc.	26,553	9,947	7,061	26.6
279 (3)	Explosives and fireworks	19,883	7,888	7,127	35.8
279 (4)	Formulated pesticides, etc.	81,643	40,238	36,872	45.2
279 (5)	Printing ink	25,000	11,640	10,171	40.6
279 (6)	Surgical bandages, etc.	16,239	8,675	7,268	44.7
279 (7)	Photographic chemical materials	30,367	9,344	7,487	24.6
311	Iron and steel (general)	22,820	6,723	5,561	24.4
312	Steel tubes	20,000	7,921	6,868	34.3
313	Iron castings, etc.	13,161	6,958	6,176	46.9
321	Aluminium and aluminium alloys	28,759	9,092	8,019	27.9
322	Copper, brass and other copper alloys	25,084	7,548	6,693	26.7
323	Miscellaneous base metals	51,037	9,026	8,097	15.9
331	Agricultural machinery (except tractors)	17,159	8,326	7,211	42.0
332	Metal-working machine tools	14,658	7,926	7,000	47.8
333 (1)	Pumps	17,037	8,747	7,590	44.5
333 (2)	Valves	14,201	7,810	6,921	48.7
333 (3)(4)	Compressors and fluid power equipment	16,431	7,856	6,709	40.8
334	Industrial engines	19,163	8,983	8,208	42.8
335	Textile machinery and accessories	13,881	7,155	6,204	44.7
336	Construction and earth-moving equipment	27,206	9,944	8,539	31.4
337	Mechanical handling equipment	17,476	8,464	7,403	42.4
338	Office machinery	14,594	7,354	6,333	43.4
339 (1)	Mining machinery	23,833	9,078	8,163	34.3
339 (2)	Printing, bookbinding and paper goods machinery	17,605	9,730	8,447	48.0
339 (3)(4)	Refrigerating machinery, space-heating, ventilating and air-conditioning equipment	17,230	8,270	7,076	41.1
339 (5)(6)	Scales and weighing machinery and portable power tools	14,283	8,036	7,218	50.5

Ratio of gross output to stocks	Wages and salaries as a percentage of gross value added	Ratio of operatives to ATC	Wages and salaries per ATC	Wages and salaries per operative	Net capital expenditure per head	Net capital expenditure as a percentage of gross value added
					£	%
6,596	49.6	1.7	5,793	4,665	3,161	31.0
2,898	39.1	1.8	6,074	4,632	4,233	32.2
7,409	32.4	1.6	6,082	4,983	4,078	24.6
6,562	38.6	1.1	3,960	3,286	1,038	11.1
5,201	56.2	1.1	4,343	3,750	1,026	14.5
2,428	53.7	3.1	4,938	3,466	923	13.0
3,455	11.4	1.2	4,842	3,818	2,095	5.7
6,107	46.5	1.1	4,875	4,577	740	7.3
4,394	40.8	2.9	3,967	2,621	530	7.3
4,741	66.6	1.7	6,042	4,350	1,438	19.2
3,850	82.5	2.7	4,931	4,467	1,652	29.7
3,728	62.9	2.8	4,565	4,239	737	10.7
6,786	64.7	3.9	4,316	3,961	629	10.2
5,228	55.0	3.1	4,952	4,258	878	11.0
4,962	58.8	3.0	4,673	3,727	566	8.5
3,243	52.4	2.3	4,667	4,084	1,243	15.4
2,842	51.4	2.3	4,221	3,574	339	4.7
2,636	57.9	1.7	4,396	3,899	622	8.9
3,009	52.3	1.2	4,192	3,810	564	7.4
2,824	56.4	1.8	4,333	3,678	628	9.1
2,723	57.3	1.5	4,197	3,627	583	8.7
2,766	48.4	1.7	4,179	3,874	1,405	17.1
2,931	60.0	2.3	4,410	3,464	354	5.7
2,877	49.1	1.9	4,556	4,024	872	10.2
2,624	56.0	1.9	4,516	4,002	446	6.0
1,846	61.6	1.4	4,361	3,608	566	8.9
3,420	50.7	1.9	4,851	3,782	550	6.7
3,309	50.4	1.5	4,658	4,036	768	9.1
4,426	56.8	2.0	4,338	3,966	564	8.0
3,447	49.6	1.9	4,167	3,267	457	6.3

TABLE 4 Operating ratios, 1978
All United Kingdom establishments classified to mining, manufacturing, construction, gas, electricity and water

Standard Industrial Classification minimum list heading	Industry	Gross output per head	Net output per head	Gross value added per head	Gross value added as a percentage of gross output
		£	£	£	%
339 (7)(8)	Food and drink processing machinery and packaging and bottling machinery	15,176	7,412	6,393	42.1
339 (9)	Miscellaneous (non-electrical) machinery	14,968	7,710	6,652	44.4
341	Industrial (including process) plant and steelwork	19,720	10,195	8,844	44.8
342	Ordnance and small arms	18,729	7,297	6,911	36.9
349 (1)	Ball, roller, plain and other bearings	11,949	6,179	5,519	46.2
349 (2)(3)	Precision chains and other mechanical engineering	11,871	6,841	6,087	51.3
351	Photographic and document copying equipment	24,010	7,475	6,359	26.5
352	Watches and clocks	9,314	6,107	5,703	61.2
353	Surgical instruments and appliances	10,962	6,142	5,446	49.7
354	Scientific and industrial instruments and systems	12,819	7,464	6,602	51.5
361	Electrical machinery	16,038	7,712	7,068	44.1
362	Insulated wires and cables	23,397	7,910	6,987	29.9
363	Telegraph and telephone apparatus and equipment	10,484	5,968	5,295	50.5
364	Radio and electronic components	12,422	6,513	5,875	47.3
365 (1)	Gramophone records and tape recordings	25,236	14,167	11,175	44.3
365 (2)	Broadcast receiving and sound reproducing equipment	21,207	5,421	4,295	20.2
366	Electronic computers	30,591	13,898	12,811	41.9
367	Radio, radar and electronic capital goods	14,931	8,610	7,616	51.0
368	Electrical appliances primarily for domestic use	15,536	5,987	4,764	30.7
369 (1)	Electrical equipment for motor vehicles, cycles and aircraft	10,790	6,415	5,854	54.3
369 (2)(3)	Primary and secondary batteries	18,167	8,867	7,866	43.3
369 (4)(5)	Electric lamps, electric light fittings, wiring accessories, etc.	13,035	6,280	5,669	43.5
370	Shipbuilding and marine engineering	10,356	4,973	4,582	44.2
380	Wheeled tractor manufacturing	28,575	11,117	10,311	36.1
381 (1)	Motor vehicle manufacturing	19,295	7,826	6,980	36.2
381 (2)	Trailers, caravans and freight containers	23,161	7,368	6,346	27.4

Ratio of gross output to stocks	Wages and salaries as a percentage of gross value added	Ratio of operatives to ATC	Wages and salaries per ATC	Wages and salaries per operative	Net capital expenditure per head	Net capital expenditure as a percentage of gross value added
	%		£	£	£	%
2,746	63.7	1.5	4,708	3,678	632	9.9
2,439	59.0	1.6	4,371	3,738	381	5.7
2,820	55.2	1.4	5,218	4,713	455	5.1
1,878	60.9	2.0	4,936	3,873	703	10.2
3,041	69.1	2.7	4,385	3,600	405	7.3
3,803	60.5	2.6	4,184	3,685	654	10.7
2,531	70.9	1.2	5,156	4,055	1,119	17.6
4,559	58.0	3.8	4,320	3,074	430	7.5
2,968	61.2	2.4	4,088	3,143	434	8.0
3,376	55.8	1.3	4,303	3,282	586	8.9
2,611	55.1	1.6	4,330	3,653	504	7.1
4,392	63.9	2.1	4,848	4,281	961	13.8
2,750	77.8	1.8	4,657	3,826	727	13.7
5,314	56.2	2.4	4,705	2,745	676	11.5
9,578	32.5	2.8	3,842	3,566	333	3.0
4,507	79.2	2.7	4,701	2,974	344	8.0
3,247	36.9	0.7	5,352	3,824	1,358	10.6
2,466	53.8	0.9	4,640	3,536	480	6.3
4,789	72.4	2.4	4,209	3,150	627	13.2
4,446	54.1	3.4	4,510	2,780	354	6.0
4,008	48.5	2.7	4,333	3,621	557	7.1
5,956	56.5	4.3	4,213	3,023	417	7.4
994	95.6	3.3	5,041	4,203	441	9.6
4,503	42.0	3.0	5,365	4,000	1,117	10.8
4,172	61.3	3.3	5,297	3,993	925	13.2
4,781	62.9	3.4	4,409	3,892	570	9.0

TABLE 4 Operating ratios, 1978
All United Kingdom establishments classified to mining, manufacturing, construction, gas, electricity and water

Standard Industrial Classification minimum list heading	Industry	Gross output per head	Net output per head	Gross value added per head	
		£	£	£	%
382	Motor cycle, tricycle and pedal cycle manufacturing	11,837	6,178	5,730	48.4
383	Aerospace equipment manufacturing and repairing	14,019	6,685	5,955	42.5
384, 385	Locomotives, railway track equipment, railway carriages, wagons and trams	10,228	5,468	5,186	50.7
390	Engineers' small tools and gauges	10,840	6,630	5,985	55.2
391	Hand tools and implements	11,582	6,735	5,953	51.4
392	Cutlery, spoons, forks and plated tableware, etc.	12,733	6,924	5,570	43.8
393	Bolts, nuts, screws, rivets, etc.	13,698	7,059	6,102	44.5
394	Wire and wire manufactures	25,125	7,886	6,654	26.5
395	Cans and metal boxes	21,265	7,028	6,175	29.0
396	Jewellery and precious metals	48,383	10,617	8,132	16.8
399 (1)	Metal furniture	16,250	7,103	5,851	36.0
399 (5)	Drop forgings, etc.	15,289	6,458	5,653	37.0
399 (6)(7)	Metal hollow-ware	18,225	8,212	7,204	39.5
399 (2)(3)(4)(8)	Miscellaneous metal manufacture	13,930	6,737	5,827	41.8
411	Production of man-made fibres	24,537	9,027	7,202	29.3
412	Spinning and doubling on the cotton and flax systems	12,678	4,682	4,276	33.7
413	Weaving of cotton, linen and man-made fibres	16,338	5,095	4,520	27.7
414	Woollen and worsted	15,836	5,909	5,394	34.1
415	Jute	13,638	4,975	4,437	32.5
416	Rope, twine and net	14,436	5,145	4,130	28.6
417 (1)	Hosiery and other knitted goods	9,817	4,614	4,178	42.6
417 (2)	Warp knitting	19,554	7,020	5,808	29.7
418	Lace	12,167	5,548	5,129	42.1
419	Carpets	18,571	7,307	6,217	33.5
421	Narrow fabrics	11,817	5,130	4,456	37.7
422 (1)	Household textiles and handkerchiefs	15,376	5,577	4,945	32.2
422 (2)	Canvas goods and sacks and other made-up textiles	13,146	4,625	4,020	30.6
423	Textile finishing	10,478	5,680	5,152	49.2
429 (1)	Asbestos	14,220	7,265	6,525	45.9

Ratio of gross output to stocks	Wages and salaries as a percentage of gross value added		Ratio of operatives to ATC	Wages and salaries per ATC		Net capital expenditure per head	Net capital expenditure as a percentage of gross value added	
	%	£		£	£		£	%
3,546	58.1	3.5	4,100	3,144	415	7.2		
1,590	72.4	1.0	4,690	3,956	448	7.5		
2,167	74.6	4.7	4,671	3,708	357	6.9		
2,967	62.1	2.8	4,206	3,578	570	9.5		
3,503	52.8	2.8	3,864	2,959	412	6.9		
3,976	57.7	3.2	4,742	2,796	641	11.5		
3,905	57.7	2.8	4,155	3,342	395	6.5		
5,995	59.6	2.9	4,443	3,846	888	13.3		
6,967	64.6	4.1	5,161	3,702	653	10.6		
3,898	44.4	1.6	4,338	3,429	660	8.1		
4,795	61.2	2.1	4,207	3,347	717	12.3		
4,299	75.1	4.1	4,143	4,291	394	7.0		
5,900	51.3	3.9	4,667	3,542	576	8.0		
4,841	54.6	3.0	4,142	2,985	533	9.1		
5,365	68.9	3.7	6,500	4,544	857	11.9		
5,098	68.5	6.2	4,200	2,734	322	7.5		
3,882	66.8	5.6	4,000	2,864	588	13.0		
3,831	55.1	5.5	3,968	2,819	480	8.9		
5,014	68.2	4.7	4,000	2,818	925	20.8		
3,691	63.4	5.0	3,111	2,578	291	7.0		
4,271	61.8	4.5	3,670	2,364	292	7.0		
3,895	62.5	3.6	4,136	3,494	663	11.4		
4,360	53.0	3.1	4,000	2,387	357	7.0		
4,922	60.4	3.2	4,375	3,573	682	11.0		
5,071	60.4	3.8	3,630	2,476	473	10.6		
3,826	49.6	4.8	3,781	2,242	423	8.6		
4,404	61.7	3.6	3,700	2,278	313	7.8		
8,757	62.0	3.7	3,816	3,059	570	11.1		
4,436	58.9	1.9	4,088	3,740	445	6.8		

TABLE 4 Operating ratios, 1978
All United Kingdom establishments classified to mining, manufacturing, construction, gas, electricity and water

Standard Industrial Classification minimum list heading	Industry	Gross output per head	Net output per head	Gross value added per head	Gross value added as a percentage of gross output	Ratio of gross output to stocks	Wages and salaries as a percentage of gross value added	Ratio of operatives to ATC	Wages and salaries per ATC	Wages and salaries per operative	Net capital expenditure per head	Net capital expenditure as a percentage of gross value added
		£	£	£	%		%		£	£	£	%
429 (2)	Miscellaneous textile industries	19,000	8,783	7,033	37.0	7,172	54.7	2.5	4,412	3,628	867	12.3
431	Leather (tanning and dressing) and fellmongery	25,778	6,883	6,049	23.5	4,035	54.7	4.0	4,529	3,029	561	9.3
432	Leather goods	9,689	4,527	3,765	38.9	5,160	60.3	4.8	3,929	2,023	240	6.4
433	Fur	13,843	6,627	5,952	43.1	2,556	49.3	4.9	3,875	3,051	314	5.3
441	Weatherproof outerwear	8,925	4,075	3,713	41.6	4,198	58.7	6.1	3,250	2,029	149	4.0
442	Men's and boys' tailored outerwear	6,868	3,057	2,673	38.9	3,901	80.9	6.3	3,323	2,016	144	5.4
443	Women's and girls' tailored outerwear	9,854	4,477	4,063	41.2	4,950	58.3	5.6	3,477	2,234	153	3.8
444	Overalls and men's shirts, underwear, etc.	9,033	3,229	2,775	30.7	4,400	76.7	5.3	3,461	1,899	143	5.1
445	Dresses, lingerie, infants' wear, etc.	8,825	3,973	3,501	39.7	5,580	58.3	6.3	3,562	1,864	200	5.7
446	Hats, caps and millinery	8,434	4,509	3,919	46.5	4,662	56.7	5.4	4,000	2,000	94	2.4
449 (1)(3)(4)	Corsets and miscellaneous dress industries	9,224	4,853	4,065	44.1	4,083	56.3	4.6	3,956	1,986	185	4.6
449 (2)	Gloves	10,490	4,902	4,117	39.3	4,703	51.9	5.3	3,500	1,929	157	3.8
450	Footwear	10,816	5,545	4,970	46.0	5,661	58.8	4.9	4,144	2,701	164	3.3
461 (1)	Refractory goods	18,553	8,574	7,177	38.7	3,690	58.3	2.5	4,600	4,020	1,461	20.4
461 (2)	Building bricks and non-refractory goods	12,820	7,988	6,417	50.1	6,228	61.2	5.1	4,425	3,871	852	13.3
462	Pottery	8,234	5,753	5,182	62.9	4,411	60.0	5.0	3,833	2,988	359	6.9
463	Glass	16,016	9,372	8,404	52.5	7,223	52.6	2.8	5,286	4,162	1,304	15.5
464	Cement	29,044	15,511	11,141	38.4	5,599	35.2	3.1	4,727	3,657	2,000	18.0
469 (1)	Abrasives	19,102	9,909	8,745	45.7	4,692	47.3	1.5	4,800	3,698	580	6.6
469 (2)	Miscellaneous building materials and mineral products	22,451	11,259	9,029	40.2	7,540	44.1	2.5	4,255	3,990	1,122	12.4
471	Timber	22,357	7,424	6,034	27.0	3,909	57.7	2.7	4,139	3,383	664	11.0
472	Furniture and upholstery	15,212	7,602	6,310	41.5	6,339	59.5	3.6	4,246	3,742	546	8.7
473	Bedding, etc.	16,359	7,078	5,736	35.1	6,531	54.1	3.0	3,520	3,046	393	6.9
474	Shop and office fitting	14,513	7,702	6,891	47.5	5,030	59.7	2.7	4,250	4,119	328	4.8
475	Wooden containers and baskets	12,525	5,284	4,378	34.9	5,746	72.1	3.8	4,821	2,897	340	7.8
479	Miscellaneous wood and cork manufactures	15,034	6,160	4,905	32.6	5,172	61.3	3.9	4,231	2,948	437	8.9
481	Paper and board	25,468	9,002	7,573	29.7	5,998	56.7	3.5	4,766	4,160	1,340	17.7
482 (1)	Cardboard boxes, cartons and fibre-board packing cases	18,554	7,945	6,892	37.1	7,822	57.3	3.3	4,592	3,787	762	11.1
482 (2)	Packaging products of paper and associated materials	21,883	8,472	7,240	33.1	7,357	53.8	3.0	4,414	3,744	641	8.9
483	Manufactured stationery	15,559	7,735	6,586	42.3	6,146	52.1	2.0	3,977	3,219	589	8.9

TABLE 4 Operating ratios, 1978
All United Kingdom establishments classified to mining, manufacturing, construction, gas, electricity and water

Standard Industrial Classification minimum list heading	Industry	Gross output per head	Net output per head	Gross value added per head	Gross value added as a percentage of gross output	Ratio of gross output to stocks	Wages and salaries as a percentage of gross value added	Ratio of operatives to ATC	Wages and salaries per ATC	Wages and salaries per operative	Net capital expenditure per head	Net capital expenditure as a percentage of gross value added
		£	£	£	%		%		£	£	£	%
429 (2)	Miscellaneous textile industries	19,000	8,783	7,033	37.0	7,172	54.7	2.5	4,412	3,628	867	12.3
431	Leather (tanning and dressing) and fellmongery	25,778	6,883	6,049	23.5	4,035	54.7	4.0	4,529	3,029	561	9.3
432	Leather goods	9,689	4,527	3,765	38.9	5,160	60.3	4.8	3,929	2,023	240	6.4
433	Fur	13,843	6,627	5,952	43.1	2,556	49.3	4.9	3,875	3,051	314	5.3
441	Weatherproof outerwear	8,925	4,075	3,713	41.6	4,198	58.7	6.1	3,250	2,029	149	4.0
442	Men's and boys' tailored outerwear	6,868	3,057	2,673	38.9	3,901	80.9	6.3	3,323	2,016	144	5.4
443	Women's and girls' tailored outerwear	9,854	4,477	4,063	41.2	4,950	58.3	5.6	3,477	2,234	153	3.8
444	Overalls and men's shirts, underwear, etc.	9,033	3,229	2,775	30.7	4,400	76.7	5.3	3,461	1,899	143	5.1
445	Dresses, lingerie, infants' wear, etc.	8,825	3,973	3,501	39.7	5,580	58.3	6.3	3,562	1,864	200	5.7
446	Hats, caps and millinery	8,434	4,509	3,919	46.5	4,662	56.7	5.4	4,000	2,000	94	2.4
449 (1)(3)(4)	Corsets and miscellaneous dress industries	9,224	4,853	4,065	44.1	4,083	56.3	4.6	3,956	1,986	185	4.6
449 (2)	Gloves	10,490	4,902	4,117	39.3	4,703	51.9	5.3	3,500	1,929	157	3.8
450	Footwear	10,816	5,545	4,970	46.0	5,661	58.8	4.9	4,144	2,701	164	3.3
461 (1)	Refractory goods	18,553	8,574	7,177	38.7	3,690	58.3	2.5	4,600	4,020	1,461	20.4
461 (2)	Building bricks and non-refractory goods	12,820	7,988	6,417	50.1	6,228	61.2	5.1	4,425	3,871	852	13.3
462	Pottery	8,234	5,753	5,182	62.9	4,411	60.0	5.0	3,833	2,988	359	6.9
463	Glass	16,016	9,372	8,404	52.5	7,223	52.6	2.8	5,286	4,162	1,304	15.5
464	Cement	29,044	15,511	11,141	38.4	5,599	35.2	3.1	4,727	3,657	2,000	18.0
469 (1)	Abrasives	19,102	9,909	8,745	45.7	4,692	47.3	1.5	4,800	3,698	580	6.6
469 (2)	Miscellaneous building materials and mineral products	22,451	11,259	9,029	40.2	7,540	44.1	2.5	4,255	3,990	1,122	12.4
471	Timber	22,357	7,424	6,034	27.0	3,909	57.7	2.7	4,139	3,383	664	11.0
472	Furniture and upholstery	15,212	7,602	6,310	41.5	6,339	59.5	3.6	4,246	3,742	546	8.7
473	Bedding, etc.	16,359	7,078	5,736	35.1	6,531	54.1	3.0	3,520	3,046	393	6.9
474	Shop and office fitting	14,513	7,702	6,891	47.5	5,030	59.7	2.7	4,250	4,119	328	4.8
475	Wooden containers and baskets	12,525	5,284	4,378	34.9	5,746	72.1	3.8	4,821	2,897	340	7.8
479	Miscellaneous wood and cork manufactures	15,034	6,160	4,905	32.6	5,172	61.3	3.9	4,231	2,948	437	8.9
481	Paper and board	25,468	9,002	7,573	29.7	5,998	56.7	3.5	4,766	4,160	1,340	17.7
482 (1)	Cardboard boxes, cartons and fibre-board packing cases	18,554	7,945	6,892	37.1	7,822	57.3	3.3	4,592	3,787	762	11.1
482 (2)	Packaging products of paper and associated materials	21,883	8,472	7,240	33.1	7,357	53.8	3.0	4,414	3,744	641	8.9
483	Manufactured stationery	15,559	7,735	6,586	42.3	6,146	52.1	2.0	3,977	3,219	589	8.9

TABLE 4 Operating ratios, 1978
All United Kingdom establishments classified to mining, manufacturing, construction, gas, electricity and water

Standard Industrial Classification minimum list heading	Industry	Gross output per head	Net output per head	Gross value added per head	Gross value added as a percentage of gross output
		£	£	£	%
484 (1)	Wallcoverings	19,631	8,785	7,171	36.5
484 (2)	Miscellaneous manufactures of paper and board	21,799	10,188	7,440	34.1
485, 486	Printing, publishing of newspapers and periodicals	16,584	10,509	8,584	51.8
489	General printing and publishing	15,229	8,792	6,843	44.9
491	Rubber	16,956	7,863	6,673	39.4
492	Linoleum, plastics floor-covering, leathercloth, etc.	20,548	8,963	7,178	34.9
493	Brushes and brooms	11,211	6,044	5,229	46.7
494 (1)(2)	Toys, games and children's carriages	9,815	5,480	4,472	45.6
494 (3)	Sports equipment	13,056	6,262	5,244	40.2
495	Miscellaneous stationers' goods	19,906	10,333	8,267	42.0
496	Plastics products	16,243	7,650	6,447	39.7
499 (1)	Musical instruments	10,000	5,563	4,947	49.4
499 (2)	Miscellaneous manufacturing industries	9,855	5,705	4,782	48.5
500	Construction	14,861	6,511	5,587	37.6
601	Gas	26,895	14,116	12,204	45.4
602	Electricity	35,116	17,111	15,329	43.6
603	Water	19,369	15,188	13,010	67.2

Ratio of gross output to stocks	Wages and salaries as a percentage of gross value added	Ratio of operatives to ATC	Wages and salaries per ATC	Wages and salaries per operative	Net capital expenditure per head	Net capital expenditure as a percentage of gross value added
	%		£	£	£	%
5,197	50.9	2.8	4,176	3,458	646	9.0
6,375	52.3	2.6	4,797	3,595	1,021	13.7
22,213	57.3	0.9	4,494	5,427	396	4.6
4,811	56.0	2.0	4,331	3,813	608	8.9
5,224	61.0	2.5	4,518	3,910	553	8.3
4,981	57.0	2.4	4,425	3,947	993	13.8
4,509	54.1	3.2	3,857	2,597	378	7.2
3,878	63.2	3.5	4,091	2,492	642	14.4
3,300	59.5	2.9	4,000	2,880	405	7.7
4,270	42.9	1.8	4,294	3,194	823	9.9
6,804	52.9	2.9	4,367	3,163	900	14.0
3,305	68.4	4.2	4,000	3,316	271	5.5
4,193	57.4	3.2	3,795	2,504	422	8.8
..	67.8	3.3	4,230	3,818	458	8.2
..	37.7	0.8	4,814	4,324	3,283	26.9
7,171	31.8	1.3	5,367	4,489	4,857	31.7
..	32.0	1.4	4,646	3,820	5,605	43.1

Produced in Wales by Her Majesty's Stationery Office
Reprographic Unit, Cardiff
Dd.597332 K6 Cdf 261 1/80

CLASSIFIED LIST OF MANUFACTURING BUSINESSES 1979

BUSINESS MONITOR PO 1007

This Classified List of Manufacturing Businesses is the first to be published in the Business Monitor series, although previous lists were issued by the Business Statistics Office in 1976 and as part of the Report on the Census of Production 1968. The List has been compiled from the register of manufacturing businesses in the United Kingdom maintained by the Business Statistics Office primarily for conducting statistical inquiries.

Much of the information contained on the register has been collected in statutory inquiries carried out under the Statistics of Trade Act, 1947. Particulars of individual businesses on the register cannot, therefore, generally be disclosed without contravening the provisions of the Act, unless written permission has been given. However, in the Annual Census of Production for 1970 and later years contributors were asked if they were willing to have the name and address of their business included in a classified list of businesses. These consents have permitted the preparation of the current List. It contains the names and addresses of businesses classified to the manufacturing sector which had agreed to be included when the List was assembled in the first half of 1979 but in the main reflects the consents and information obtained in the Annual Census of Production for 1977.

The List is in 10 parts and is arranged alphabetically by the name of business within each manufacturing industry separately distinguished in the register of manufacturing businesses. The numbers of Minimum List Headings or sub-division of the Minimum List Headings of the Standard Industrial Classification in Orders III to XIX are shown. The complete List contains some 27,000 business addresses and covers approximately two-thirds of the employment in the manufacturing sector. An estimate is given for each industry of the employment covered by the units listed as a percentage of that for the industry as a whole. In general, the shortfall from 100 per cent in employment terms is mainly accounted for by those businesses which have not consented to their inclusion and only to a lesser extent by the more numerous smaller businesses exempted from the annual census of production from whom no consent was sought.

The List has been published as Business Monitor PO 1007, price £42.75 net for the complete set of 10 parts. Each part can be bought separately and is individually priced. The Monitor is available at HMSO bookshops or can be ordered from HMSO Books, PO Box 569, London SE1 9NH.

LIST OF PARTS WITH PRICES

PART	STANDARD INDUSTRIAL CLASSIFICATION ORDER	INDUSTRY	PRICE (EXCL. POSTAGE)
Part 1	III	Food, drink and tobacco	4.00
Part 2	IV	Coal and petroleum products	5.00
	V	Chemicals and allied industries	
	XVI	Bricks, pottery, glass, cement etc.	
Part 3	VI	Metal manufacture	4.25
	X	Shipbuilding and marine engineering	
Part 4	XI	Vehicles	5.00
	VII	Mechanical engineering	
	VIII	Instrument engineering	
Part 5	IX	Electrical engineering	4.00
	XII	Metal goods not elsewhere specified	
Part 6	XIII	Textiles	3.75
Part 7	XIV	Leather, leather goods and fur	4.00
	XV	Clothing and footwear	
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	XIX	Other manufacturing industries	
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The List is also available in magnetic tape form produced on ICL 1900 series equipment. The tape (Price £42.75 + VAT) and further information about this version may be obtained from the Business Statistics Office Librarian at the address below (ext. 2973).

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