

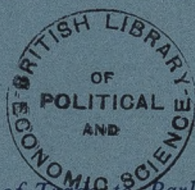
BOARD OF TRADE

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*The Report on the  
Census of Production  
for 1954*

Volume 11: Industry I

PLASTIC GOODS AND FANCY ARTICLES



*Presented by the Board of Trade to Parliament in pursuance of the  
Statistics of Trade Act, 1947 (10 & 11 Geo. 6 Ch. 39, Sec. 7)*

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# The Report on the Census of Production for 1954

## VOLUME 11, INDUSTRY I

### PLASTIC GOODS AND FANCY ARTICLES

THIS REPORT on the Plastic Goods and Fancy Articles Industry relates to establishments engaged wholly or mainly in the manufacture of plastics mouldings, castings and extrusions by compression or injection; of articles from plastics sheets, tubes or rods by cutting, grinding, turning, etc., electrical and mechanical components from plastics materials, hard haberdashery (except metal), smokers' requisites, lampshades (except glass), and toilet requisites and other fancy articles (except leather).

This industry corresponds to minimum list heading 199(1) and part of 199(3) in the Standard Industrial Classification.

#### LIST OF TABLES

Table No.	Title	Page	Table No.	Title	Page
1	Industry summary: estimates for the industry as a whole	11/I/3	6	Sales of principal products of the industry by establishments classified to other industries	11/I/7
2	Summary of returns received	11/I/3	7	Sales in the industry of other than principal products	11/I/8
3	Analysis by size, 1954	11/I/4	8	Total make of intermediate products	Does not apply
4	Analysis according to specialisation within the industry, 1954	Does not apply	9	Purchases of materials and fuel, 1954	11/I/9
5	Sales of principal products of the industry, including sales of these products by establishments classified to other industries	11/I/4	10	Average number of employees and wages, salaries and superannuation payments	11/I/11
			11	Employment in a specified week	11/I/11

IMPORTANT NOTES and definitions appear on the next page. In interpreting the data in the tables, it is essential to bear these in mind.

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The following notes describe terms in general use in the tables of the report. More detailed explanations of the terms used and a description of the scope and method of taking the census are given in the separate booklet entitled 'The Report on the Census of Production for 1954 - Introductory Notes' (price 1s. 6d. net).

**Industrial Classification:** Establishments are classified to industries according to the nature of their output and, as far as possible, in conformity with the Standard Industrial Classification. Certain products are identified as the principal products of individual industries, the principal products for a given industry being of a similar nature or commonly associated in production. The principle of classification normally followed is that an establishment is classified to an industry if its output of the principal products of that industry accounted for a greater proportion of the value of its output than did its output of the principal products of any other industry.

**Specialist producers** normally comprise those establishments 50 per cent. or more of whose total output by value is accounted for by the characteristic products of the specialist group.

**Intermediate products:** For some industries figures are given showing the total quantities made during the year of intermediate products, i.e., products which may be further processed in the establishments in which they are produced.

**Larger establishments:** The information given in the report relates mainly to 'larger establishments', i.e., establishments of firms employing on the average more than 10 persons. In most cases an establishment comprises the whole of the premises under the same ownership or management at a particular address (e.g., a mine or factory). Offices, warehouses, laboratories and other ancillary places of business situated apart from the producing works are not regarded as separate establishments and are included in the return for the works.

**Small firms** are those employing on the average 10 or fewer persons.

The estimates for the industry as a whole given in Table 1 are normally obtained by increasing the other items shown in the same proportion as total employment.

**Gross output (production)** is the total value of goods made and other work done during the year; it is obtained by adjusting the value of sales and work done during the year for changes in the value of stocks of products on hand for sale and work in progress.

**Net output** is the amount left after deducting from the value of gross output the aggregate of the cost of materials and fuel used, the amount paid for work given out, and, for 1951 and 1954, any transport payments made. This represents the value added to materials by the process of production, and constitutes the fund from which wages, salaries, rents, rates and taxes, advertising and other selling expenses and all other similar charges have to be met, as well as depreciation and profits.

**Sales** means sales during the year of goods made in the establishment covered by the return or made on commission for it, whether produced in the year or not. The value of sales is the net selling value, i.e., the amount charged to customers, whether on an ex-works or delivered basis, and net of any trade discounts, agents' commissions, allowances for returnable cases, purchase tax, etc. For goods charged on a delivered basis to customers overseas, firms were required to give the f.o.b. value.

**Materials and fuel:** The total cost of materials and fuel purchased includes all purchases during the year of materials for use in production, and of fuel (includ-

ing oil, gas and electricity) for all purposes: packing materials, including the full cost of returnable cases when first purchased; workshop and office materials; water charges; materials for repairs to buildings, plant and vehicles when carried out by firms' own work-people included in their returns; consumable tools; and parts for machinery purchased as replacements. Purchases of goods for merchanting are excluded. The cost of materials and fuel used, given in Table 2, is obtained by adjusting purchases for changes during the year in the value of stocks.

**Stocks:** Firms were required to give stocks of materials and fuel, products on hand for sale, and work in progress, at income tax values.

**Customs and Excise Duty** paid on materials purchased is normally included in the cost of materials. Finished goods are similarly valued as they were sold, duty-paid or duty-free. The net amount of any duty paid is deducted in arriving at net output.

**Employment:** Total employment includes working proprietors, administrative, technical and clerical employees, and operatives, but excludes outworkers, canteen employees and persons engaged in merchanting or any other activity not covered by a firm's return; who are shown separately as excluded employees. Employees are persons on the pay-roll (i.e., persons whose National Insurance cards were held by employers), whether employed full-time or part-time.

**Working proprietors** are proprietors of businesses other than limited companies, together with members of their families who worked in the business without receiving fixed wages or salaries. Any persons working less than half the normal hours are excluded. For Northern Ireland directors of limited companies (other than those paid by fee only) are also included.

**Administrative, technical and clerical employees** include directors, other than those paid by fee only (except in Northern Ireland); managers, superintendents and works foremen; research, experimental, development, technical and design employees (other than operatives); draughtsmen and tracers; travellers; and office (including works office) employees.

**Operatives** include all other classes of employees, i.e., broadly speaking, all manual workers.

**Outworkers** are persons employed by the firm who work on materials supplied by the firm in their own homes.

**Wages and salaries** include all overtime payments, bonuses and commissions without any deductions for income tax, insurances, contributory pensions etc. They exclude payments to working proprietors.

**Capital expenditure** includes expenditure on new building work, and on plant, machinery and vehicles, charged to capital account during the year, including any transport and installation costs involved. It includes expenditure in respect of establishments in Great Britain which had not begun production before the end of the year (which has not previously been included in the Census of Production reports for individual industries).

**Symbols used:**

.. for not available  
- for nil or negligible (less than half the final digit shown).

Where figures are rounded, e.g., given to the nearest £ thousand, there may be apparent slight discrepancies between the sums of constituent items and the totals shown. In some cases, figures have been combined with others of a similar nature where publication of separate details might disclose information relating to an individual undertaking.

## Industry summary

## Estimates for the industry as a whole

TABLE 1

	United Kingdom			Scotland 1954	Wales 1954
	1948	1951	1954		
	£ million	£ million	£ million	£ million	£ million
Gross output (production)	30.7	38.6	50.1	0.80	1.56
Net output	16.6	18.7	24.9	0.40	0.84
Total stocks and work in progress					
At beginning of year	5.7	5.8	6.6	0.19	0.15
Change during year	+ 0.4	+ 1.6	+ 0.8	- 0.01	+ 0.02
Capital expenditure less disposals (a)	1.2	1.3	2.0	0.04	0.07
Wages and salaries	10.3	11.4	15.4	0.28	0.40
Total employment (including working proprietors)	Thousands 38.3	Thousands 37.8	Thousands 41.3	Thousands 0.73	Thousands 1.11

(a) Capital expenditure on new building work and on plant, machinery and vehicles (including (except in 1948) that incurred in Great Britain for establishments not yet in production), less amounts received for plant, machinery and vehicles disposed of.

## Summary of returns received

TABLE 2

	Unit	Great Britain 1948	United Kingdom	
			1951	1954
<b>FIRMS EMPLOYING ON AVERAGE MORE THAN 10 PERSONS</b>				
Number of establishments	No.	470	484	499
Total value of sales and work done	£'000	27,481	34,496	44,489
Products on hand for sale	"	1,832	1,986	2,669
and work in progress	"	+ 343	+ 459	+ 416
Gross output (production) (a)	"	27,705	34,955	44,905
Purchases of materials and fuel	"	12,522	18,519	22,038
Stocks of materials and fuel	"	3,300	3,252	3,238
Cost of materials and fuel used	"	+ 38	+ 1,003	+ 316
Payment for work done on materials given out	"	12,484	17,516	21,721
Payment for transport (b)	"	264	245	417
	"	119	312	448
Net output	"	14,957	16,882	22,319
Average number of employees	{ operatives No.           { others	29,240	28,986	31,022
Total employment (d)	"	5,258(c)	5,150	5,867
Net output per person employed (d)	"	34,576	34,208	36,960
	£	433	494	604
Wages and salaries	{ of operatives £'000       { of others	7,005	7,808	10,361
	"	2,253	2,540	3,450
Capital expenditure				
New building work (e)	"	188	192	307
Plant and machinery	{ acquisitions (e) "               { disposals	863	836	1,370
	"	54	41	106
Vehicles	{ acquisitions (e) "               { disposals	85	200	252
	"	21	48	79
<b>FIRMS EMPLOYING ON AVERAGE 10 OR FEWER PERSONS</b>				
Number of returns	No.	522	573(f)	567
Total employment, including working proprietors	"	2,914	3,155(f)	3,123

(a) For the year 1948 gross output excludes payments for transport services outwards on finished goods sold. For subsequent years gross output includes payments to other firms and undertakings and to firms' own separate transport organisations for transport services.

(b) Payments to other firms and undertakings and to firms' own separate transport organisations. For the year 1948 payments cover only transport outwards of finished goods sold. For subsequent years they cover payments for transport of both finished goods sold and materials and fuel purchased.

(c) Number in week ended September 25, 1948.

(d) Excluding outworkers and including working proprietors.

(e) Excluding expenditure for establishments not yet in production.

(f) Excluding Northern Ireland. No information about small firms was collected in Northern Ireland for 1951.



PLASTIC GOODS AND FANCY ARTICLES  
Analysis by size, 1954  
Larger establishments in the United Kingdom

TABLE 3

Average number employed (a)	Estab-lish-ments	Gross output	Net output	Employees		Wages and salaries		Capital expenditure (b)	Net output per person employed (a)
				Operatives	Others	Operatives	Others		
	Number	£'000	£'000	Number	Number	£'000	£'000	£'000	£
11 - 24(c)	172	3,448	1,846	2,343	460	719	265	120	647
25 - 49	143	5,741	2,861	4,357	760	1,284	444	243	557
50 - 99	86	7,405	3,931	5,194	843	1,677	551	293	651
100 - 199	56	8,734	4,425	6,616	1,102	2,147	630	320	573
200 - 299	23	7,238	3,446	4,562	964	1,564	525	470	624
300 - 399	10	4,372	2,101	2,776	633	987	356	147	616
400 - 499	5	2,748	1,399	1,809	354	688	204	71	647
500 and over	4	5,219	2,310	3,365	751	1,295	476	265	561
Total	499	44,905	22,319	31,022	5,867	10,361	3,450	1,929	604

(a) Excluding outworkers and including working proprietors.

(b) Capital expenditure on new building work and on acquisition of plant, machinery and vehicles, excluding expenditure for establishments not yet in production.

(c) Including a small number of establishments with fewer than 11 persons employed, particulars of which were included with those for larger establishments on a single return.

TABLE 4 - Analysis according to specialisation within the industry, 1954

Larger establishments in the United Kingdom  
No specialisation within this industry was distinguished.

Sales of the principal products of the industry, including sales of these products by establishments classified to other industries

Larger establishments in the United Kingdom

TABLE 5

	1951		1954		Entries
	Quantity	Value	Quantity	Value	
Buttons	Th.gross	£'000	Th.gross	£'000	Number
Of plastics materials					
Casein	13,815	2,506	4,150	1,376	47
Other			7,235	811	36
Of mother of pearl and other nacreous shell	141	130	131	135	5
Of other materials (a)	..	33	..	59	
	3,827	726	2,122	357	13
	..	69			
Total buttons	17,782	3,361	13,638	2,678	..
	..	101	..	566	
Hair combs					
Of plastics materials	645	869	467	668	25
Of other materials	..	167	..	572	
	10	51	1	6	..
	..	10	..	8	
Total hair combs	655	920	468	674	..
	..	177	..	580	

TABLE 5 (contd.)

	1951		1954		Entries
	Quantity	Value	Quantity	Value	
Haberdashery and accessories (except buttons) and components of plastics materials	Th.gross	£'000	Th.gross	£'000	Number
Hair pins and slides (including hair curlers and wavers)	207.6	163	138.7	74	12
Other descriptions of haberdashery, etc., and parts thereof wholly or mainly of plastics materials	..	595	..	690	37
Lampshades and reflectors (except for motors or cycles)					
Of plastics materials	49.6	856	17.0	391	47
Of other materials (b)	10.3	174	7.4	114	21
Toilet requisites	..	312	..	131	
Powder puffs and compacts, including parts thereof (c)	..	1,504(d)	..	1,303	27
Other toilet requisites					
Wholly or mainly of plastics materials	..	1,917	..	1,920	69
Of other materials	..	..	..	1,294	22
Smokers' requisites					
Pipes for smoking tobacco (e)	18.4	795	16.9	773	13
Parts of pipes and other smokers' requisites					
Wholly or mainly of plastics materials	..	739	..	204	33
Of other materials (f)	..	..	..	434	18
Cases for jewellery, cutlery, spectacles, etc.					
Wholly or mainly of plastics materials	..	1,155	..	226	13
Of other materials	..	..	..	1,056	29
Caps and other closures of plastics materials for bottles, jars and tubes (g)	Cwt. 32,079	731	Cwt. 45,278	969	51
Display fittings and advertising novelties	..	1,036	..	1,381	
Wholly or mainly of plastics materials	..	751	..	562	57
Of other materials	..	185	..	301	16
Horn, ivory, bone, mother of pearl, etc. cut, turned or polished (h)	1,680	24	..	50	..
Articles wholly or mainly of plastics materials for the preparation and serving of food and drink	52,503	892	..	873	56
Picture and photograph frames of plastics and other materials (i)	..	438	..	..	
Furniture and household articles (other than those already specified) of plastics materials (j)	..	161	..	111	11
Flooring, flooring tiles and skirtings and the like, of plastics materials	Th.sq.yds. 55	111	Th.sq.yds. 197	1,963	51
Fancy goods, not elsewhere specified	..	28	..	133	8
Wholly or mainly of plastics materials	..	104	..	112	
Of other materials (k)	..	1,004(d)	..	2,249	97
Components, accessories and semi-manufactured goods, wholly or partly of plastics materials	..	1,007	..	786	49
For the Electrical, Radio and Musical Industries	Th.tons		Th.tons		
Electrical insulating material (h)	2.2	1,132	1.4	305	19
			..	912	

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## PLASTIC GOODS AND FANCY ARTICLES

TABLE 5 (contd.)

	1951		1954		Entries Number
	Quantity Thousands	Value £'000	Quantity Thousands	Value £'000	
Components, accessories and semi-manufactured goods, wholly or partly of plastics materials (contd.)					
For the Electrical, Radio and Musical Industries (contd.)					
Radio cabinets	605.2	392	370.7	345	7
Other components and accessories	..	3,760	..	4,647	120
For the Optical, Scientific Instruments and Clock Industry	..	77	..	257	32
For the Motor and Cycle Industry	..	1,218	..	1,608	81
For the Mechanical Engineering Industry	..	826	..	886	47
Furnishing hardware (e.g. bathroom fittings, door furniture, sanitary ware)	..	1,765	..	2,873	60
Handles and knobs, not elsewhere specified (1)	..	1,135	..	1,363	61
Technical mouldings, fabricated materials and components, not elsewhere specified	..	2,067	..	3,903	110
Other miscellaneous components, accessories and semi-manufactured goods not elsewhere specified	..	3,202	..	4,603	104
Unclassified	..	423(d)	-	-	-
Plastic name-plates, tablets, radio scales, etc. (h)	-	-	..	253	11
Plastic surfaced board for furniture (h)	-	-	..	339	5
Plastic conveyor belting (h)	-	-	Cwt. 11,699	350	..
Polythene bags, etc. (h)	-	-	..	1,439	..
Vulcanised fibre articles, not elsewhere specified	..	286	3,200	172	6
Other and unclassified goods of plastics materials	..	614	..	723	..
Waste products	..	119	..	447	10
Repair work (m)	..	56	Th.gross 14	34	37
Work done for the trade or on commission (m)	..	224	..	792	93
Total		36,642(d)		50,096	..
Sales in other industries (see Table 6)		6,865		11,501	..
Principal products of this industry sold by establishments in the industry		29,777(d)		38,595	453

- (a) Excluding metal and glass buttons, which are covered by the Needles, Pins, Fish Hooks and Metal Smallwares Industries (Volume 5, Industry G) and the Glass (other than Containers) Industry (Volume 1, Industry I).  
(b) Excluding glass lampshades, which are covered by the Glass (other than Containers) Industry (Volume 1, Industry I).  
(c) Excluding compacts of precious metal, which are covered by the Jewellery and Plate Industry (Volume 5, Industry J).  
(d) Corrected figure.  
(e) Excluding clay tobacco pipes, which are covered by the China and Earthenware Industry (Volume 1, Industry G).  
(f) Excluding mechanical lighters of base metals, which are covered by the Hardware, Hollow-ware, Metal Furniture and Sheet Metal Industries (Volume 5, Industry E); mechanical lighters of precious metals which are covered by the Jewellery and Plate Industry (Volume 5, Industry J); and tobacco pouches of leather which are covered by the Leather Goods Industry (Volume 7, Industry F).  
(g) Caps and other closures of metal are covered by the Hardware, Hollow-ware, Metal Furniture and Sheet Metal Industries (Volume 5, Industry E).  
(h) So far as recorded separately.  
(i) Excluding picture and photograph frames of wood, which are covered by the Timber Industry (Volume 10, Industry A).  
(j) Described as Furniture of plastic materials' in 1951.  
(k) Excluding fancy goods of leather or leather substitute which are covered by the Leather Goods Industry (Volume 7, Industry F). For 1951 the value shown includes ladies' handbags, pockettes and sling bags of materials other than plastic, leather or leathercloth. For 1954 all handbags are covered by the Leather Goods Industry (Volume 7, Industry F).  
(l) Excluding handles and knobs for umbrellas and sunshades, which are covered by the Umbrella and Walking Stick Industry (Volume 7, Industry K).  
(m) Amount charged.

(86252)

## PLASTIC GOODS AND FANCY ARTICLES

## Sales of principal products of the industry by establishments classified to other industries

## Larger establishments in the United Kingdom

TABLE 6

	1954			Principal industries in which produced (a)
	Quantity	Value £'000	Entries Number	
Buttons of plastics and other materials (except metal and glass)	Th.gross 1,153	200	8	5G, 11A, 11D
	..	141	..	
Hair combs of plastics and other materials	23	81	5	11A, 11C, 11D
	..	244	..	
Haberdashery and accessories (except buttons) and components of plastics materials	..	66	5	5G, 7H
Toilet requisites	..	135	..	5G, 11A
Powder puffs and compacts, including parts thereof	..	135	..	5G, 11A
Other toilet requisites	..	..	..	..
Wholly or mainly of plastics materials	..	354	8	10I, 11A, 11C, 11D
Of other materials	..	28	..	2F, 5F
Smokers' requisites, other than pipes	..	26	5	6M, 7H
Cases for jewellery, cutlery, spectacles, etc.	..	144	9	5E, 5H, 5I, 5J
Caps and other closures of plastics materials for bottles, jars and tubes	Th.cwt. 7	95	..	3G, 4O, 5E, 11A
	..	757	..	
Display fittings and advertising novelties, wholly or mainly of plastics materials	..	29	5	5F, 11F
Articles wholly or mainly of plastics materials for the preparation and serving of food and drink	..	86	5	1I, 4M, 4O, 5E
Furniture and household articles (other than those already specified) of plastics materials	..	442	13	5E, 11A, 11D, 11F
Fancy goods, not elsewhere specified	..	934	31	4M, 7F, 11A, 11D
Wholly or mainly of plastics materials	..	101	7	5G, 7H, 10K, 11D
Of other materials	..	105	..	..
Flooring, flooring tiles and skirtings and the like, of plastics materials	Th.sq.yds. 195	38	..	2R, 11A, 11B
	..	79	6	5F
Plastic name-plates, tablets, radio scales, etc.	..	251	..	7A, 10B, 11D, 12A
Plastic surfaced sheeting for furnishings	..	172	..	10A, 11D
	Th.cwt. 3	61	..	..
Polythene packings and wrappings	..	228	..	3I, 5E, 7F
Vulcanised fibre articles, not elsewhere specified	..	228	..	3I, 5E, 7F
Components, accessories and semi-manufactured goods, wholly or partly of plastics materials	..	228	..	3I, 5E, 7F
For the Electrical, Radio and Musical Industries	Th.tons	..	..	..
Electrical insulating material	1.4	305	..	4K
Radio cabinets and other electrical, etc. components	..	296	..	..
For the Optical, Scientific Instruments and Clock Industries and for the Motor and Cycle, and Mechanical Engineering Industries	..	1,478	12	2R, 4M, 10A, 11A
Furnishing hardware (e.g. bathroom fittings, door furniture, sanitary ware)	..	630	8	2R, 3I, 4M, 11A
Handles and knobs, not elsewhere specified	..	436	8	2R, 4I, 5E, 11A
Technical mouldings, fabricated materials and components, not elsewhere specified	..	177	..	2R, 5C, 11A
Other miscellaneous components, accessories and semi-manufactured goods not elsewhere specified	..	630	14	2R, 4C, 5I, 11A
Other and unclassified goods of plastics materials	..	1,530	30	(b)
Total	..	1,222	..	6I, 7H, 11A
		11,501	..	

- (a) The volume number and industry references given are to the industries shown in the list at the back of this report.  
(b) Production is widely distributed among other industries.

(86252)



Sales in the industry of other than principal products  
Larger establishments in the United Kingdom

TABLE 7

	1954	
	Quantity	Value
	Th.cwt.	£'000
Plastics materials	16.5	195
Ladies' handbags, pochettes, sling bags of plastics materials or leather	..	506
Furniture, cabinetware, boxes, cases, etc. of timber	..	238
Toys and games	..	277
Of plastics materials	..	1,092
Of other materials	..	33
Sports requisites	..	30
Pens, pencils and other stationers' goods	..	136
	Th.sq.ft.	
Glass mirrors, framed or unframed	147	39
Clothing and footwear	..	5
	..	177
Complete accessories and fittings, wholly or partly of plastics materials		
Telephone instruments and components	..	491
Lighting and wiring accessories and fittings	..	502
Other electrical apparatus and fittings	..	167
Machinery parts and other engineering products	..	323
Optical and scientific instruments and appliances, and photographic apparatus	..	267
Other goods wholly or mainly of metal	..	484
Other manufactures	..	921
Work done (a)		13
Total		5,895

(a) Amount charged.

TABLE 8 - Total make of intermediate products

## Larger establishments in the United Kingdom

This table is not applicable to the industry.

Purchases of materials and fuel, 1954  
Larger establishments in the United Kingdom

TABLE 9

	Quantity	Cost
	Th.cwt.	£'000
Materials		
Plastics materials		
Acrylics		
Sheet, rod, tube, film, foil and profile shapes	15.6	489
Other	..	277
Aminoplastics		
Moulding and extrusion compounds	3.4	102
Other	69.0	628
Casein plastics	0.4	11
Sheet, rod, tube, blanks and profile shapes	..	6
Cellulose nitrate		
Sheet, rod, tube, film, foil and profile shapes; solutions, emulsions and dispersions	32.0	663
Cellulose acetate	..	223
Moulding and extrusion compounds	1.2	51
Sheet, rod, tube, film, foil and profile shapes	..	60
Phenolics and cresylics		
Moulding and extrusion compounds	38.6	529
Laminated sheet, rod, tube and profile shapes	3.4	116
Other	..	26
Vinyl chlorides		
Moulding and extrusion compounds	221.5	1,871
Sheet, rod, tube, film, foil and profile shapes	32.3	569
Other	..	61
Moulding and extrusion compounds	25.5	162
Sheet, rod, tube, film, foil and profile shapes	12.9	186
Other	12.2	341
Polystyrene	..	128
Moulding and extrusion compounds	4.0	108
Other	..	16
Polyethylene (Polythene)		
Moulding and extrusion compounds	75.1	1,210
Other	..	21
Other synthetic resins and moulding powders	34.7	688
Other plastics materials	2.2	82
Unclassified	..	74
Asbestos	59.3	536
Vulcanised fibre	..	1,537
Briar root and bowls	..	702
Timber (other than that used for packing)	11.9	31
	8.8	145
	..	17
	..	205
	..	189



TABLE 9 (contd.)

	Quantity	Cost
	Th.sq.yds.	£'000
Materials (contd.)		
Piece goods		
Silk, rayon and nylon	620.9	125
Cotton	1,063.3	353
Packing materials		
Of paper and board and containers made of paper and board	..	623
Other	..	170
Metal parts and inserts for mouldings	..	801
Semi-manufactured goods made wholly or partly of plastics materials	..	1,155
Replacement parts for machinery, plant and vehicles, and consumable tools bought as replacements	..	666
All other purchased materials	..	4,955
	Th.tons	
Fuel and electricity		
Coal	37.2	157
Coke	8.4	48
Liquid fuels (including creosote/pitch mixtures)	..	6
	Th.gal.	
For use in internal combustion engines		
Motor spirit (petrol) for use in road vehicles and derv. fuel	473	90
Other	48	4
For burning in furnaces, boilers, kilns, etc.	1,613	70
	Th.therms	
Gas purchased		
From Gas Boards	1,817	115
From other sources, including other departments of the same firms	..	31
From other sources, including other departments of the same firms	..	2
	Th.kWh.	
Electricity purchased (a)		
From Electricity Boards	68,183	400
From other sources, including other departments of the same firms	4,412	113
From other sources, including other departments of the same firms	..	26
From other sources, including other departments of the same firms	..	7
All other purchased fuel		3
Total cost		22,038

(a) Owing to the risk of disclosure of information relating to individual firms, the total quantity of electricity generated in firms' own establishments cannot be given.

Average number of employees and wages, salaries and superannuation payments (a)

Larger establishments in the United Kingdom

TABLE 10

	1951	1954
	Number	Number
Average number of employees		
Operatives	28,986	31,022
Administrative, technical and clerical employees	5,150	5,867
Total	34,136	36,889
	£'000	£'000
Wages and salaries paid to		
Operatives	7,808	10,361
Administrative, technical and clerical employees	2,540	3,450
Total	10,348	13,811
	£	£
Wages and salaries per head		
Operatives	269	334
Administrative, technical and clerical employees	493	588
Superannuation and other pension funds for employees and dependents (b)		£'000
Employers' contributions	..	109
Employees covered	..	6,600
Pension, etc. payments to former employees and dependents (b)	..	£'000
		23

(a) The following persons, not included above, were also employed by larger establishments in this industry ('other workers' includes, for example, employees engaged in merchanting). Payments to outworkers are also shown:

	1951	1954
	Number	Number
Canteen workers		
Male	10	10
Female	296	342
Total	306	352
Other workers		
Male	106	40
Female	95	69
Total	201	109
Outworkers		
Male	39	115
Female	2,583	2,768
Payments to outworkers	£'000	£'000
	180	220

(b) The figures given relate to larger establishments in Great Britain only.

Employment in a specified week (a)  
Larger establishments in the United Kingdom

TABLE 11

	1951			1954		
	Males	Females	Total	Males	Females	Total
Working proprietors	66	6	72	62	9	71
Operatives	12,186	17,086	29,272	13,900	19,088	32,988
Administrative, technical and clerical employees	2,889	2,348	5,237	3,356	2,771	6,127
Total employees	15,075	19,434	34,509	17,256	21,859	39,115

(a) Week ended September 22, 1951, or October 30, 1954.



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VOLUME 1

- A. Coal Mines
- B. Non-Metalliferous Mines and Quarries (other than Coal, Salt and Slate)
- C. Salt Mines, Brine Pits and Salt Works
- D. Slate Quarries and Mines
- E. Metalliferous Mines and Quarries
- F. Brick and Fireclay
- G. China and Earthenware
- H. Glass Containers
- I. Glass (other than Containers)
- J. Cement
- K. Abrasives
- L. Building Materials
- M. Manufactured Fuel

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- A. Coke Ovens and By-products
- B. Dyes and Dyestuffs
- C. Fertiliser, Disinfectant, Insecticide and Allied Industries
- D. Coal Tar Products
- E. Chemicals (General)
- F. Drugs and Pharmaceutical Preparations
- G. Toilet Preparations and Perfumery
- H. Explosives and Fireworks
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- J. Soap, Candles and Glycerine
- K. Polishes
- L. Ink
- M. Match
- N. Mineral Oil Refining
- O. Oils and Greases
- P. Seed Crushing and Oil Refining
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- R. Plastics Materials

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- A. Blast Furnaces
- B. Iron and Steel (Melting and Rolling)
- C. Iron Foundries
- D. Steel Sheets
- E. Tinplate
- F. Wrought Iron and Steel Tubes
- G. Non-Ferrous Metals (Smelting, Rolling, etc.)
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- J. Motor Vehicles and Cycles (Repairing)
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- M. Railway Carriages and Wagons and Trams
- N. Carts, Perambulators, etc.

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- A. Shipbuilding and Ship Repairing
- B. Marine Engineering
- C. Machine Tools
- D. Textile Machinery and Accessories
- E. Small Arms
- F. Constructional Engineering
- G. Mechanical Handling Equipment

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- H. Printing and Bookbinding Machinery
- I. Mechanical Engineering (General)
- J. Mechanical Engineering (Repairing)
- K. Electrical Engineering (General)
- L. Electric Wires and Cables
- M. Radio and Telecommunications
- N. Batteries and Accumulators
- O. Electric Lighting Accessories and Fittings

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- A. Tool and Implement
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- D. Rayon, Nylon, etc. Production
- E. Rayon, Nylon, etc. Weaving, and Silk
- F. Flax Processing
- G. Linen and Soft Hemp
- H. Jute
- I. Rope, Twine and Net
- J. Hosiery and Other Knitted Goods
- K. Lace
- L. Carpets
- M. Narrow Fabrics
- N. Canvas Goods and Sacks
- O. Textile Converting
- P. Made-up Household Textiles
- Q. Textile Finishing
- R. Textile Packing

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- A. Asbestos
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- F. Milk Products
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- H. Sugar and Glucose
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- A. Margarine
- B. Fish Curing
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- D. Vinegar and Other Condiments
- E. Starch
- F. Ice
- G. Miscellaneous Preserved Foods
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- I. Wholesale Bottling
- J. Spirit Distilling
- K. Spirit Rectifying and Compounding
- L. Soft Drinks, British Wines and Cider
- M. Tobacco

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- A. Timber
- B. Furniture and Upholstery
- C. Soft Furnishings
- D. Shop and Office Fitting
- E. Wooden Containers and Baskets
- F. Paper and Board
- G. Wallpaper
- H. Cardboard Box, Carton and Fibre-board Packing Case
- I. Manufactured Stationery, Paper Bag and Kindred Industries
- J. Newspaper and Periodical Printing and Publishing
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- A. Rubber
- B. Linoleum, Leathercloth and Allied Industries
- C. Brushes and Brooms
- D. Toys and Games
- E. Sports Requisites
- F. Miscellaneous Stationers' Goods
- G. Cinematograph Film Production
- H. Cinematograph Film Printing
- I. Plastic Goods and Fancy Articles
- J. Incandescent Mantles

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- B. Local Authorities (Building and Civil Engineering)
- C. Railways (Civil Engineering)
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