

BOARD OF TRADE

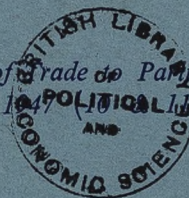
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*The Report on the  
Census of Production  
for 1954*

Volume 2: Industry G

TOILET PREPARATIONS AND PERFUMERY

*Presented by the Board of Trade to Parliament in pursuance of the  
Statistics of Trade Act, 1947 (Political and Economic Science, Geo. 6 Ch. 39, Sec. 7)*



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# The Report on the Census of Production for 1954

VOLUME 2 INDUSTRY G

## TOILET PREPARATIONS AND PERFUMERY

THIS REPORT on the Toilet Preparations and Perfumery Industry relates to establishments engaged wholly or mainly in the manufacture of cosmetics, hair dressings, bath salts, shampoos, tooth pastes and powders, perfumes, etc.

There were no establishments in Northern Ireland in the register for this industry.

This industry corresponds to minimum list heading 32(2) in the Standard Industrial Classification.

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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 merchandising 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 merchandising 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	Wales
	1948	1951	1954	1954 (a)	1954 (a)
Gross output (production)	£ million 18.1	£ million 25.8	£ million 33.0	£ million ..	£ million ..
Net output	9.5	12.4	18.0	..	..
Total stocks and work in progress					
At beginning of year	4.8	6.1	5.0	..	..
Change during year	+ 0.0	+ 3.0	+ 1.1	..	..
Capital expenditure less disposals (b)	0.4	0.4	0.6	..	..
Wages and salaries	2.9	3.4	4.6	..	..
Total employment (including working proprietors)	Thousands 10.0	Thousands 10.6	Thousands 11.7	Thousands ..	Thousands ..

(a) Owing to the risk of disclosure of information relating to individual firms, separate particulars cannot be given.

(b) Capital expenditure on new building work, 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.	83	81	71
Total value of sales and work done	£'000	17,229	24,347	30,926
Products on hand for sale		1,017	1,256	1,381
and work in progress		24	699	424
Gross output (production) (a)		17,137	25,046	31,350
Customs and Excise rebate		..	109	52
Purchases of materials and fuel		8,110	15,045	14,461
Stocks of materials and fuel		3,507	4,698	3,404
Cost of materials and fuel used		8,118	12,876	13,829
Payment for work done on materials given out		11	17	40
Payment for transport (b)		115	281	423
Net output		9,009	11,981	17,110
Average number of employees	No.	6,842	7,044	7,471
Total employment (d)		2,612(c)	3,188	3,695
Net output per person employed (d)	£	9,455	10,234	11,166
Wages and salaries	£'000	953	1,171	1,532
Capital expenditure				
New building work (e)		1,358	1,604	2,143
Plant and machinery		1,372	1,691	2,267
Vehicles		70	85	204
acquisitions (e)		300	331	284
disposals		40	60	29
acquisitions (e)		54	126	183
disposals		10	56	84
<b>FIRMS EMPLOYING ON AVERAGE 10 OR FEWER PERSONS</b>				
Number of returns	No.	112	79	84
Total employment, including working proprietors		506	326	423

(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.

TOILET PREPARATIONS AND PERFUMERY  
Analysis by size, 1954  
Larger establishments in the United Kingdom

TABLE 3

Average number employed (a)	Establishments	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	12	399	180	176	56	38	31	9	774
25 - 49	14	1,272	601	368	122	95	74	25	1,227
50 - 99	18	2,932	1,602	789	450	221	249	40	1,293
100 - 199	9	2,859	1,632	902	445	230	290	74	1,211
200 - 299	5	3,363	1,966	846	385	235	252	112	1,597
300 - 399	5	6,357	4,034	1,059	678	314	391	90	2,322
400 - 499	4	4,548	2,566	1,192	614	289	349	132	1,421
500 - 999	4	9,620	4,530	2,139	945	720	632	189	1,469
Total	71	31,350	17,110	7,471	3,695	2,143	2,267	671	1,532

(a) Excluding outworkers.

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

Analysis according to specialisation within the industry, 1954  
Larger establishments in the United Kingdom

TABLE 4

	Unit	Specialist producers of cosmetics and toilet preparations	Remainder of the industry	Total
Number of establishments	No.	50	21	71
Total value of sales and work done	£'000	22,812	8,114	30,926
Sales of characteristic products	"	20,299	"	"
Products on hand for sale	"	974	406	1,381
and work in progress	"	292	132	424
Gross output (production)	"	23,104	8,245	31,350
Customs and Excise rebate	"	23	29	52
Purchases of materials and fuel	"	9,758	4,704	14,461
Stocks of materials and fuel	"	2,222	1,182	3,404
Cost of materials and fuel used	"	525	108	632
Payment for work done on materials given out	"	9,233	4,596	13,829
Payment for transport	"	26	14	40
Net output	"	315	108	423
Average number of employees	No.	13,553	3,556	17,110
Total employment (a)	"	4,773	2,698	7,471
Net output per person employed (a)	"	2,559	1,136	3,695
Wages and salaries	£'000	7,332	3,834	11,166
Capital expenditure	"	1,849	953	1,532
New building work (b)	"	1,401	742	2,143
Plant and machinery	"	1,605	662	2,267
Vehicles	"	119	85	204
	"	181	103	284
	"	11	18	29
	"	128	55	183
	"	61	23	84

(a) Excluding outworkers.

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

TOILET PREPARATIONS AND PERFUMERY  
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	
Perfumes	Th.gal.	£'000	Th.gal.	£'000	Number
Perfumed spirits					
Handkerchief perfumes (concentrates)	22	1,347	21	1,408	21
Other descriptions	146	986	93	1,067	50
	..	625	..	570	
Perfumes, non-alcoholic	177	232	..	253	10
	..	39	..	..	
Cosmetics and toilet preparations (other than perfumed spirits, essential oils, soaps and dental preparations)					
Hair preparations					
Brilliantine and pomade	Th.lb.		Th.lb.		
Solid	1,249	423	2,741	607	16
Liquid	Th.fl.oz.		Th.fl.oz.		
	14,735	246	6,766	136	30
	..	36	..	30	
Unclassified	..	127	..	190	43
Hair creams and semi-solid hairdressings (other than brilliantine and pomade) and hair tonics (other than preparations used in connection with hair waving)	Th.lb.		Th.lb.		
	15,427	2,287	19,480	3,250	34
Hair dyes and bleaching and toning preparations (including henna) and rinses	Th.fl.oz.		Th.fl.oz.		
	5,635	270	4,946	142	21
	..	46	..	320	
Soapless shampoos	Th.lb.		Th.lb.		
	2,792	1,337	6,167	2,340	42
	..	151	..	240	
Preparations used in connection with hair waving	Th.fl.oz.		Th.fl.oz.		
Lotions, solutions, setting creams, permanent waving reagents, etc.	78,742	1,331	52,733	847	25
	..	171	..	328	
Chemically treated pads and sachets and curlers used for permanent waving	Th.gross		Th.gross		
	419	444	429	307	15
	..	105	..	44	
Other hair preparations	..	298	..	453	24
Face powders (excluding rouge)	Th.lb.		Th.lb.		
	2,252	1,662	1,735	1,455	36
	..	..	..	156	
Talcum and other toilet powders (excluding face powders and tooth powders)	9,371	1,966	14,568	2,918	76
Face creams					
Vanishing, foundation or powder; and cake make-ups (excluding rouge)	2,507	1,962	2,775	3,749	46
Other	2,497	1,135	1,087	936	32
	..	..	..	171	
Hand creams, jellies and tablets	4,907	562	6,722	1,100	62
	..	103	..	121	
Face and skin lotions, including liquid foundations, face packs, etc.	Th.fl.oz.		Th.fl.oz.		
	24,943	573	31,687	928	46
	..	61	..	202	

## TOILET PREPARATIONS AND PERFUMERY

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 (contd.)

	1951		1954		Entries
	Quantity	Value	Quantity	Value	
	Th.lb.	£'000	Th.lb.	£'000	Number
Cosmetics and toilet preparations (other than perfumed spirits, essential oils, soaps and dental preparations) (contd.)					
Lipsticks	120	1,129	142	1,477	29
Rouge of all kinds	39	212	35	178	25
Manicure preparations	..	429	..	683	10
Bath salts and cubes, bath oatmeal and other bath water softeners	9,413	682	14,743	859	55
Other toilet preparations (including toilet preparations for animals)	..	913	..	1,222	36
Unclassified	..	406	-	-	-
Dental preparations					
Tooth paste and tooth powder					
Tooth paste	12,383	3,193	12,015	3,329	11
Tooth powder (including camphorated chalk sold as dentifrice) and solid dentifrice	1,821	364	1,515	319	9
Unclassified	3,249	837	4,971	1,886	25
Denture cleansing powder	4,585	768	5,943	974	17
Other	..	90(a)	..	145	5
Compound oils (perfumery) sold as such	1,809	2,986	..	666	12
			Thousand		
Home permanent waving outfits					
Complete	..	..	48	13	..
Refills	..	..	8,731	1,300	..
Waste products	..	3	..	11	12
Work done for the trade or on commission (b)	..	65	..	181	8
Total	..	30,601	..	37,813	..
Sales in other industries (see Table 6)		8,905		10,168	..
Principal products of this industry sold by establishments in the industry		21,696		27,645	69

(a) So far as recorded separately.  
(b) Amount charged.

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	Entries	
	Th.gal.	£'000	Number	
Perfumes				
Perfumed spirits	30	157	24	2E, 2F, 2J
Perfumes, non-alcoholic and compound oils (perfumery) sold as such	..	384	..	..
	..	682	13	2E, 2F, 2I

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## TOILET PREPARATIONS AND PERFUMERY

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

Larger establishments in the United Kingdom

TABLE 6 (contd.)

	1954			Principal industries in which produced (a)
	Quantity	Value	Entries	
	Th.lb.	£'000	Number	
Cosmetics and toilet preparations (other than perfumed spirits, essential oils, soaps and dental preparations)				
Brilliantine and pomade, solid and liquid	..	190	43	2F, 2J
Soapless shampoos	1,728	760	24	2F, 2J
Other hair preparations	..	668	49	2F, 2J, 4K, 5B
Face, talcum and other toilet powders (excluding rouge and tooth powders)	6,812	896	40	2C, 2F, 2J
Face creams	451	239	24	2C, 2F, 2J
Hand creams, jellies and tablets	1,058	272	36	2F
Face and skin lotions, including liquid foundations, face packs, etc.	Th.fl.oz. 7,023	171	17	2F, 2J
	Th.lb.			
Bath salts and cubes, bath oatmeal and other bath water softeners	4,623	309	30	2E, 2F, 2J
Other cosmetic and toilet preparations	..	164	8	2E, 2F, 2J, 9G
Cosmetic and toilet preparations unclassified	..	449	25	2F
Dental preparations	12,398	4,375	31	2C, 2F, 2J
Total	..	10,168	..	

(a) The volume number and industry references given are to the industries shown in the list at the back of this report.

Sales in the industry of other than principal products

Larger establishments in the United Kingdom

TABLE 7

	1954	
	Quantity	Value
	Th.cwt.	£'000
Soaps		
Toilet soap (except shaving) including liquid toilet soap	30	801
Shaving soap, solid, cream or powder, including brushless shaving cream	3	101
Soap shampoos, solid, powder, liquid and other soaps	42	107
Coal tar and other disinfectants, antiseptics, insecticides, rodenticides, weedkillers, sheep and cattle dips and dressings and like products	7	72
Drugs and pharmaceutical preparations	..	929
Other products	..	500
Total	..	3,281

TABLE 8 - Total make of intermediate products

Larger establishments in the United Kingdom

This table is not applicable to the industry

(58402)

TOILET PREPARATIONS AND PERFUMERY  
Purchases of materials and fuel, 1954  
Larger establishments in the United Kingdom

TABLE 9

	Quantity	Cost
	Th.cwt.	£'000
Materials		
Waxes		
Beeswax	5	150
Other	5	27
Other	..	16
Stearine (stearic acid)	6	39
Higher fatty alcohols including lanolin	7	42
Synthetic detergents and emulsifiers including sulphonated and sulphated oils and fatty acids	59	358
Vegetable oils	14	85
Mineral oils (other than for use as fuel)	Th.gal. 1,015	252
Aliphatic alcohols		
Ethyl alcohol and denatured spirit	150	51
Other	..	39
Other	71	29
Aromatic raw materials	Th.lb.	
Natural essential oils	356	731
Floral concretes and absolutes	8	106
Other	..	14
Synthetic aromatic chemicals	147	176
Compound perfumery bases	179	529
Fixatives and other perfumery raw materials	39	46
Other	..	5
Glycerine distilled (on the basis of 98% glycerol)	Th.cwt. 16	220
Soap purchased for further processing and soap base	34	194
Precipitated chalk, talc, magnesium carbonate and other powder bases	115	229
Replacement parts for plant, machinery and vehicles and consumable tools bought as replacements	..	77
Packing materials		
Glass bottles and jars	..	2,257
Timber and containers made of timber	..	165
Paper for wrapping and packing	..	88
Paper bags	..	34
Cardboard boxes and cartons	..	1,713
Fibre-board packing cases	..	199
Of plastic materials	..	863
Other packing materials	..	2,847

TABLE 9 (contd.)

	Quantity	Cost
	Th.sq.yds.	£'000
Materials (contd.)		
Cotton and other piece goods (including filter cloth but not cloth used for packing)	138	14
All other purchased materials	..	2
All other purchased materials	..	2,677
Fuel and electricity	Th.tons	
Coal	4	15
Coke	..	7
Coke	3	14
Liquid fuels (including creosote/pitch mixtures)		
For use in internal combustion engines	Th.gal.	
Motor spirit (petrol) for use in road vehicles and deriv. fuel	139	29
Other	..	7
Other	38	2
For burning in furnaces, boilers, kilns, etc.	1,109	47
Gas purchased	Th.therms	
From Gas Boards	156	11
From other sources, including other departments of the same firms	..	3
Electricity purchased (a)	Th.kWh.	
From Electricity Boards	6,642	44
From other sources, including other departments of the same firms	..	10
All other purchased fuel		(b)
Total Cost		14,461

(a) The total quantity of electricity generated in firms own establishments in this industry in 1954 was 115 Th.kWh.

(b) Owing to the risk of disclosure of information relating to individual firms, separate particulars cannot be given.

Average number of employees, and wages, salaries and superannuation payments  
Larger establishments in the United Kingdom (a)

TABLE 10

	1951	1954
	Number	Number
Average number of employees		
Operatives	7,044	7,471
Administrative, technical and clerical employees	3,188	3,695
Total	10,232	11,166

TABLE 10 (contd.)

	1951	1954
	£'000	£'000
Wages and salaries paid to		
Operatives	1,604	2,143
Administrative, technical and clerical employees	1,691	2,267
Total	3,295	4,411
	£	£
Wages and salaries per head		
Operatives	228	287
Administrative, technical and clerical employees	530	614
		£'000
Superannuation and other pension funds for employees and dependents		
Employers' contributions	..	213
		Number
Employees covered	..	3,642
		£'000
Pension, etc. payments to former employees and dependents		36

(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).

	United Kingdom	
	1951	1954
	Number	Number
Outworkers		
Male	2	-
Female	73	79
Total	75	79
Canteen workers		
Male	2	5
Female	148	181
Total	150	186
Other workers		
Male	142	18
Female	146	35
Total	288	53
Total excluded employees	438	239
	£'000	£'000
Payments to outworkers	5	12

## Employment in a specified week (a)

## Larger establishments in the United Kingdom

	Number					
	1951			1954		
	Males	Females	Total	Males	Females	Total
Working proprietors	2	-	2	-	-	-
Operatives	1,811	5,410	7,221	1,907	5,978	7,885
Administrative, technical and clerical employees	1,315	1,900	3,215	1,528	2,221	3,749
Total employees	3,126	7,310	10,436	3,435	8,199	11,634

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

## LIST OF INDUSTRY REPORTS

## 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)
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- L. Building Materials
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## VOLUME 2

- 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
- I. Paint and Varnish
- 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
- Q. Glue, Gum, Paste and Allied Industries
- R. Plastics Materials

## VOLUME 3

- 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.)
- H. Scrap Metal Processing
- I. Motor Vehicles and Cycles (Manufacturing)
- J. Motor Vehicles and Cycles (Repairing)
- K. Aircraft Manufacture and Repair
- L. Railway Locomotive Shops and Locomotive Manufacturing
- M. Railway Carriages and Wagons and Trams
- N. Carts, Perambulators, etc.

## VOLUME 4

- 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

## VOLUME 4 (contd.)

- 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

## VOLUME 5

- A. Tool and Implement
- B. Cutlery
- C. Chain, Nail, Screw and Miscellaneous Forgings
- D. Wire and Wire Manufactures
- E. Hardware, Hollow-ware, Metal Furniture and Sheet Metal
- F. Brass Manufactures
- G. Needles, Pins, Fish Hooks and Metal Smallwares
- H. Scientific, Surgical and Photographic Instruments, etc.
- I. Watch and Clock
- J. Jewellery and Plate
- K. Precious Metals Refining
- L. Musical Instruments

## VOLUME 6

- A. Cotton Spinning and Doubling
- B. Cotton Weaving
- C. Woollen and Worsted
- 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

## VOLUME 7

- A. Asbestos
- B. Flock and Rag
- C. Hair, Fibre and Kindred Industries
- D. Leather (Tanning and Dressing)
- E. Fellmongery
- F. Leather Goods
- G. Fur
- H. Tailoring, Dressmaking, etc.
- I. Hats, Caps and Millinery
- J. Glove
- K. Umbrella and Walking Stick
- L. Boot and Shoe

## VOLUME 8

- A. Grain Milling
- B. Bread and Flour Confectionery
- C. Biscuit
- D. Bacon Curing and Sausage

## VOLUME 8 (contd.)

- E. Preserved Meat
- F. Milk Products
- G. Ice Cream
- H. Sugar and Glucose
- I. Cocoa, Chocolate and Sugar Confectionery
- J. Preserved Fruit and Vegetables

## VOLUME 9

- A. Margarine
- B. Fish Curing
- C. Cattle, Dog and Poultry Foods
- D. Vinegar and Other Condiments
- E. Starch
- F. Ice
- G. Miscellaneous Preserved Foods
- H. Brewing and Maiting
- I. Wholesale Bottling
- J. Spirit Distilling
- K. Spirit Rectifying and Compounding
- L. Soft Drinks, British Wines and Cider
- M. Tobacco

## VOLUME 10

- 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
- K. Printing and Publishing, Bookbinding, Engraving, etc.

## VOLUME 11

- 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

## VOLUME 12

- A. Building and Contracting
- B. Local Authorities (Building and Civil Engineering)
- C. Railways (Civil Engineering)
- D. Tramway, Trolley Bus and Omnibus Undertakings (Civil Engineering)
- E. Canal, Dock and Harbour Undertakings (Civil Engineering)
- F. Gas Supply Industry
- G. Electricity Supply Industry
- H. Water Undertakings

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