

BOARD OF TRADE

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*The Report on the
Census of Production
for 1954*

Volume 11: Industry E

SPORTS REQUISITES

*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 E

SPORTS REQUISITES

THIS REPORT on the Sports Requisites Industry relates to establishments engaged wholly or mainly in the manufacture and repair of balls, bats, rackets, sticks and other equipment for all kinds of sports, ice and roller skates, gymnastic equipment, fishing rods and tackle, gut for rackets and musical instruments, etc. The following are excluded; billiard and bagatelle tables and billiard room furniture; rubber goods, except golf balls and tennis balls ready for use; fishbooks; fishing lines and nets, and sports nets.

This industry corresponds to minimum list heading 193(2) 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/E/3	6	Sales of principal products of the industry by establishments classified to other industries	11/E/6
2	Summary of returns received	11/E/3	7	Sales in the industry of other than principal products	11/E/6
3	Analysis by size, 1954	11/E/4	8	Total make of intermediate products	Does not apply
4	Analysis according to specialisation within the industry, 1954	11/E/4	9	Purchases of materials and fuel, 1954	11/E/7
5	Sales of principal products of the industry, including sales of these products by establishments classified to other industries	11/E/5	10	Average number of employees and wages, salaries and superannuation payments	11/E/8
			11	Employment in a specified week	11/E/8

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 (a)
	1948	1951	1954		
Gross output (production)	£ million 6.6	£ million 7.5	£ million 8.0	£ million 0.83	£ million ..
Net output	3.8	3.7	4.6	0.44	..
Total stocks and work in progress					
At beginning of year	1.6	2.0	2.0	0.23	..
Change during year	+ 0.3	+ 0.4	-	+ 0.01	..
Capital expenditure less disposals (b)	0.2	0.2	0.2	0.02	..
Wages and salaries	2.4	2.5	2.8	0.30	..
Total employment (including working proprietors)	Thousands 9.3	Thousands 8.4	Thousands 7.9	Thousands 0.86	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 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
FIRMS EMPLOYING ON AVERAGE MORE THAN 10 PERSONS				
Number of establishments	No.	132	124	113
Total value of sales and work done	£'000	5,720	6,608	7,142
Products on hand for sale and work in progress		655	975	977
Gross output (production) (a)		+ 209	+ 105	+ 40
		5,902	6,713	7,182
Purchases of materials and fuel		2,504	3,616	2,983
Stocks of materials and fuel		799	820	829
Cost of materials and fuel used		+ 67	+ 239	- 5
Payment for work done on materials given out		2,437	3,377	2,988
Payment for transport (b)		28	11	21
		27	69	85
Net output		3,437	3,257	4,088
Average number of employees	No.	7,140	6,336	5,875
Total employment (d)		1,170(c)	1,142	1,156
Net output per person employed (d)	£	8,345	7,510	7,054
		412	434	579
Wages and salaries	£'000	1,685	1,713	1,933
Capital expenditure		475	517	576
New building work (e)		62	38	44
Plant and machinery		102	94	108
Vehicles		10	2	1
		19	34	52
		4	12	17
FIRMS EMPLOYING ON AVERAGE 10 OR FEWER PERSONS				
Number of returns	No.	155	160(f)	144
Total employment, including working proprietors		820	830(f)	742

(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.

SPORTS REQUISITES

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	39	783	426	570	124	176	57	15	604
25 - 49	42	1,400	771	1,210	227	385	118	24	532
50 - 99	17	1,237	677	984	195	351	90	65	575
100 - 199	10	1,451	829	1,246	206	391	139	33	571
200 and over	5	2,312	1,385	1,865	404	629	171	68	610
Total	113	7,182	4,088	5,875	1,156	1,933	576	205	579

(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.

Analysis according to specialisation within the industry, 1954

Larger establishments in the United Kingdom

TABLE 4

	Unit	Specialist producers of			Total
		Sports requisites, commonly of wood other than fishing tackle	Fishing tackle	Remainder of the industry	
Number of establishments	No.	30	19	64	113
Total value of sales and work done	£'000	1,507	835	4,800	7,142
Sales of characteristic products	"	1,300	755		
Products on hand for sale	"	293	167	517	977
and work in progress	"	12	11	41	40
change during year	"	-	+	+	+
Gross output (production)	"	1,495	846	4,841	7,182
Purchases of materials and fuel	"	611	242	2,130	2,983
Stocks of materials and fuel	"	242	112	475	829
change during year	"	-	-	27	5
Cost of materials and fuel used	"	637	248	2,103	2,988
Payment for work done on materials given out	"	4	-	17	21
Payment for transport	"	20	5	60	85
Net output	"	833	593	2,662	4,088
Average number of employees	No.	1,216	939	3,720	5,875
operatives	"	262	197	697	1,156
others	"	1,481	1,141	4,432	7,054
Total employment (a)	"	563	520	601	579
Net output per person employed (a)	£				
Wages and salaries	£'000	441	265	1,227	1,933
of operatives	"	128	93	355	576
of others	"				
Capital expenditure	"	20	-	24	44
New building work (b)	"	23	14	71	108
Plant and machinery	"	1	-	-	1
acquisitions (b)	"	7	6	40	52
disposals	"	4	3	11	17
Vehicles	"				

(a) Excluding outworkers and including working proprietors.

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

SPORTS REQUISITES

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		
	Quantity	Value	Quantity	Value	Entries
	Th.doz.	£'000	Th.doz.	£'000	Number
Tennis rackets	20.3	459	19.3	459	13
Other rackets	5.0	93	5.8	115	14
Racket frames, unstrung	22.5	313	16.6	230	14
Presses for tennis, badminton, etc. rackets	44.1	68	18.5	37	6
Cricket bats, spliced	14.5	247	14.7	264	9
Golf clubs, complete	30.4	573	27.3	569	15
Heads for golf clubs, sold separately	4.3	25	4.8	18	8
Other golf requisites, except golf balls and bags (a)	..	33	..	42	..
Hockey sticks	8.7	111	8.9	122	12
Gymnasium equipment and appliances	..	311	..	317	13
Golf balls (new and remade)	879.2	916	1,035.5	967	8
Tennis balls covered, ready for use	624.3	662	686.5	704	6
Billiard balls, cues and other accessories, sold separately (a)	..	131	..	145	7
Shuttlecocks for badminton	Th.gross 17.7	204	..	393	10
Darts (a)	..	109	..	393	10
Gloves for boxing, cricket, fives, etc.	Th.doz.prs. 15.4	136	Th.doz.prs. 12.6	110	14
Football cases	Th.doz. 15.2	314	Th.doz. 14.0	307	12
Footballs, complete	2.5	67	-	36	-
Leather cricket balls and other leather balls, not elsewhere specified	20.3	180	13.5	130	12
Sports goods carriers	13.2	229	28.5	204	34
Other requisites of leather or canvas	..	332	..	142	17
Skates	Th.doz.prs. 8.4	73	Th.doz.prs. 22.4	181	8
Finished strings for tennis and other rackets	..	79	..	213	..
Finished strings for musical instruments, wholly of gut (a)	..	178	..	251	10
Rods and other fishing tackle (including reels) (b)	..	42	..	28	6
Bowls	Th.prs. 9.6	786	..	832	28
Playground and nursery equipment (swings, slides, etc.)	..	39	Th.prs. 13.8	46	5
Tennis posts (a)	1.4	11	..	193	8
Croquet sets, complete (a)	..	9	..	19	7
Table tennis tables (a)	Doz. 118	18	Doz. 51	9	10
Table tennis sets and other equipment (a)	..	15	..	31	..
Dartboards (a)	Th.doz. 10.2	122	Th.doz. 16.1	98	11
	..	115	..	129	6

TABLE 5 (contd.)

	1951		1954		Entries
	Quantity	Value	Quantity	Value	
		£'000		£'000	Number
Other requisites for sports and athletics, and parts thereof	..	355	..	425	39
Unclassified requisites for sports and athletics	..	54	..	30	15
Waste products (a)	..	13	..	12	..
Repair work (c)		132		114	41
Work done for the trade or on commission (c)		17		36	8
Total		7,587		8,537	..
Sales in other industries (see Table 6)		1,393		1,795	..
Principal products of this industry sold by establishments in the industry		6,194		6,743	100

(a) So far as recorded separately.

(b) For particulars of the output of fish hooks see the Needles, Pins, Fish Hooks and Metal Smallwares Industry (Volume 5, Industry G) and for fishing lines and nets, the Rope, Twine and Net Industry (Volume 6, Industry I).

(c) Amount charged.

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

TABLE 6 Larger establishments in the United Kingdom

	1954			Principal industries in which produced (a)
	Quantity	Value	Entries	
	Th.doz.	£'000	Number	
Playground and nursery equipment (swings, slides, etc.) gymnasium equipment and appliances	..	151	5	4I, 5C
Golf balls (new and re-made), and tennis balls covered, ready for use	886.7	755	5	11A
Gloves for boxing, cricket, fives, etc.	Th.doz.prs. 4.6 ..	29 16	8	7J
Sports goods carriers	Th.doz. 19.0 ..	33 9	19	7F
Skates	Th.doz.prs. 21.3 ..	158 89	..	3I, 4E
Finished strings for tennis and other rackets; and finished strings for musical instruments, wholly of gut	..	102	8	20, 5L, 8D
Rods and other fishing tackle (including reels)	..	73	7	4E, 5G, 7F
Table tennis tables	..	18	..	10B
Table tennis sets and other equipment	..	59	..	11D
Dartboards	Th.doz. 3.1 ..	8 27	..	4E, 11D
Other requisites for sports and athletics and parts thereof, except tennis rackets, racket frames (unstrung) cricket bats (spiced), heads for golf clubs (sold separately), hockey sticks, football cases, and croquet sets, complete	..	236	22	
Unclassified requisites for sports and athletics	..	30	15	
Total		1,795	..	

(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

TABLE 7 Larger establishments in the United Kingdom

	1954	
	Quantity	Value
		£'000
Dressed leather and goods of leather and leather substitutes	..	95
Other goods and work done (a)	..	305
Total		400

(a) For work done, the value included is the amount charged.

(84374)

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
		£'000
Materials		
Leather	..	433
Rubber	..	209
Timber, excluding any used for packing or packing case manufacture	Th.cu.ft.	
Hardwood	146.9	141
Softwood	..	52
	48.7	41
	..	59
	Th.sq.ft.	
Plywood (including battenboard, blockboard and laminboard)	497.9	28
	..	3
Woven piece goods, including canvas	Th.sq.yds.	
Of cotton, or mainly of cotton	332.0	66
Of all other materials	..	12
	270.2	183
	Th.lb.	
Finished strings for tennis and other rackets	6.3	97
	..	21
	Th.cwt.	
Glues and other adhesives	2.3	14
Plastic components and fittings	..	2
	..	56
Steel tubes and fittings for golf club shafts, etc.	1.4	99
	..	93
Steel not specified above in all forms except finished parts and scrap	7.9	36
	..	49
Packing materials	..	73
All other purchased materials	..	1,088
Fuel and electricity	Th.tons	
Coal	10.3	34
Coke	1.6	9
Liquid fuels (including creosote/pitch mixtures)		
For use in internal combustion engines	Th.gal.	
Motor spirit (petrol) for use in road vehicles and derv. fuel	91.4	20
Other	9.6	1
For burning in furnaces, boilers, kilns, etc.	22.7	1
	Th.therms	
Gas purchased from Gas Boards	145.4	11
Electricity purchased (a)	Th.kWh.	
From Electricity Boards	7,336	48
From other sources, including other departments of the same firms	..	1
All other purchased fuel		2
Total cost		2,983

(a) The total quantity of electricity generated in firms' own establishments in this industry in 1954 was 59 Th.kWh.

(84374)

SPORTS REQUISITES

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	6,336	5,875
Administrative, technical and clerical employees	1,142	1,156
Total	7,478	7,031
	£'000	£'000
Wages and salaries paid to		
Operatives	1,713	1,933
Administrative, technical and clerical employees	517	576
Total	2,230	2,510
	£	£
Wages and salaries per head		
Operatives	270	329
Administrative, technical and clerical employees	453	498
		£'000
Superannuation and other pension funds for employees and dependents (b)		
Employers' contributions	..	24
		Number
Employees covered	..	874
		£'000
Pension, etc. payments to former employees and dependents (b)	..	11

(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	1	-
Female	32	36
Total	33	36
Other workers		
Male	38	28
Female	52	33
Total	90	61
Total excluded employees	123	97
Outworkers		
Male	42	37
Female	320	317
Total	362	354
	£'000	£'000
Payments to outworkers	38	42

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

Employment in a specified week (a)

Larger establishments in the United Kingdom

	Number					
	1951			1954		
	Males	Females	Total	Males	Females	Total
Working proprietors	28	4	32	20	3	23
Operatives	3,185	3,068	6,253	3,042	2,887	5,929
Administrative, technical and clerical employees	618	556	1,174	575	557	1,132
Total employees	3,803	3,624	7,427	3,617	3,444	7,061

(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)
- J. Cement
- K. Abrasives
- L. Building Materials
- M. Manufactured Fuel

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. Feltmongery
- 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
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- C. Cattle, Dog and Poultry Foods
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