

BOARD OF TRADE

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*The Report on the
Census of Production
for 1954*

Volume 8: Industry D

BACON CURING AND SAUSAGE



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The Report on the Census of Production for 1954

VOLUME 8, INDUSTRY D

BACON CURING AND SAUSAGE

THIS REPORT on the Bacon Curing and Sausage Industry relates to establishments engaged wholly or mainly in curing bacon and ham and making sausages, meat pasties, pies and puddings, salted or pickled pork, black puddings and lard (except compound lard).

This industry corresponds to minimum list heading 153(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	8/D/3	6	Sales of principal products of the industry by establishments classified to other industries	8/D/6
2	Summary of returns received	8/D/3	7	Sales in the industry of other than principal products	8/D/6
3	Analysis by size, 1954	8/D/4	8	Total make of intermediate products	8/D/7
4	Analysis according to specialisation within the industry, 1954	8/D/4	9	Purchases of materials and fuel, 1954	8/D/8
5	Sales of principal products of the industry, including sales of these products by establishments classified to other industries	8/D/5	10	Average number of employees and wages, salaries and superannuation payments	8/D/9
			11	Employment in a specified week	8/D/9

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)	57.4	110.5	187.7	19.51	3.38
Net output	17.3	19.0	27.9	3.00	0.52
Total stocks and work in progress					
At beginning of year	2.6	4.7	7.3	0.67	0.12
Change during year	+ 0.5	+ 1.2	- 0.1	+ 0.23	+ 0.02
Capital expenditure less disposals (a)	1.0	1.6	2.9	0.23	0.07
Wages and salaries	7.7	9.0	13.8	1.39	0.25
Total employment (including working proprietors)	Thousands 28.1	Thousands 29.0	Thousands 36.5	Thousands 3.91	Thousands 0.68

(a) 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
FIRMS EMPLOYING ON AVERAGE MORE THAN 10 PERSONS				
Number of establishments	No.	346	404	455
Total value of sales and work done	£'000	37,225	89,730	162,429
Products on hand for sale	"	376	2,064	3,700
and work in progress	"	282	540	324
Gross output (production) (a)	"	37,179	90,270	162,105
Net amount payable by the Ministry of Food in respect of equalization payments and transport allowances (b)	"	4,544	24,707	14,792 (c)
Net amount payable by the Bacon Curers (Wartime) Association Ltd. in respect of balancing payments (d)	"	123	37	
Purchases of materials and fuel	"	30,515	99,002	151,263
Stocks of materials and fuel	"	1,332	1,798	2,604
Cost of materials and fuel used	"	12	475	278
Payment for work done on materials given out	"	30,503	98,527	150,985
Payment for transport (e)	"	125	14	56
Net output	"	328	957	1,712
Average number of employees	No.	11,218	15,515	24,143
Total employment (g)	"	15,058	19,680	26,464
Net output per person employed (g)	"	3,065 (f)	3,701	4,944
Wages and salaries	£'000	18,205	23,483	31,497
Capital expenditure	"	616	661	767
New building work (h)	"	3,648	5,582	9,276
Plant and machinery	"	1,325	1,811	2,668
Vehicles	"	91	360	842
	"	391	729	1,221
	"	11	17	13
	"	239	311	497
	"	41	55	74
FIRMS EMPLOYING ON AVERAGE 10 OR FEWER PERSONS				
Number of returns	No.	1,571	878 (i)	808
Total employment, including working proprietors	"	7,650	4,601 (i)	4,384

(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) For Northern Ireland net amount payable by the Ministry of Agriculture.

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

(d) Great Britain only. The net amount is derived in the following way:

	1948	1951	1954
Amount receivable by firms	£'000 228	£'000 172	£'000 (c)
Amount payable by firms	105	135	(c)
Net amount	+ 123	+ 37	(c)

(e) 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.

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

(g) Excluding outworkers and including working proprietors.

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

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

BACON CURING AND SAUSAGE

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)	188	18,519	2,419	2,387	408	812	226	167	856
25 - 49	113	23,036	3,272	3,240	587	1,128	311	237	847
50 - 99	78	24,962	3,991	4,502	772	1,533	428	370	755
100 - 199	50	44,460	5,889	5,763	1,230	2,020	646	573	842
200 - 299	11	13,207	1,837	2,169	406	730	188	499	713
300 - 399	8	12,590	2,109	2,340	464	795	214	186	751
400 - 999	3	5,041	1,130	1,436	262	521	121	93	665
1,000 and over	4	20,289	3,496	4,627	815	1,737	534	437	642
Total	455	162,105	24,143	26,464	4,944	9,276	2,668	2,561	767

(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.

Analysis according to specialisation within the industry, 1954

Larger establishments in the United Kingdom

TABLE 4

	Unit	Specialist producers of			Remain-der of the in-dustry	Total
		Bacon and ham, cured	Bacon and ham, smoked	Sausages, including sausage meat		
Number of establishments	No.	70	33	74	278	455
Total value of sales and work done	£'000	52,735	25,004	19,949	64,741	162,429
Sales of characteristic products	"	34,938	20,251	14,717		
Products on hand for sale {at beginning of year and work in progress {change during year	"	1,521	529	136	1,514	3,700
Gross output (production)	"	52,525	24,889	19,973	64,718	162,105
Net amount payable by the Ministry of Food in respect of equalization payments and transport allowances	"	7,438(a)	1,292(a)	205(a)	5,858(a)	14,792(a)
Net amount payable by the Bacon Curers (Wartime) Association Ltd. in respect of balancing payments	"					
Purchases of materials and fuel	"	54,161	24,459	15,193	57,451	151,263
Stocks of materials {at beginning of year and fuel {change during year	"	309	191	879	1,225	2,604
Cost of materials and fuel used	"	54,113	24,468	15,072	57,331	150,985
Payment for work done on materials given out	"	496(a)	109(a)	481(a)	635	1,712
Payment for transport	"					
Net output	"	5,353	1,604	4,624	12,562	24,143
Average number of employees {operatives {others	No.	4,907	1,201	5,704	14,652	26,464
Total employment (b)	"	1,077	271	962	2,634	4,944
Net output per person employed (b)	£	6,002	1,488	6,673	17,334	31,497
Wages and salaries {of operatives {of others	£'000	892	1,078	693	725	767
Capital expenditure	"					
New building work (c)	"	188	58	325	271	842
Plant and machinery {acquisitions (c) {disposals	"	240	39	360	583	1,221
Vehicles {acquisitions (c) {disposals	"	1	-	4	7	13
	"	89	24	107	277	497
	"	10	1	9	53	74

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

(b) Excluding outworkers and including working proprietors.

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

(87738)

BACON CURING AND SAUSAGE

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	
	Th.cwt.	£'000	Th.cwt.	£'000	Number
Bacon and ham (uncooked)					
Bacon					
Cured only	2,742	27,736	3,823	52,587	169
Smoked	1,543	17,785	1,632	24,271	112
Unclassified	141	1,458	-	2,606	
Ham					
Cured only	101	1,286	51	1,059	39
Smoked			123	2,330	40
Total bacon and ham	4,527	48,266	5,630	80,247	..
Open pack meat products					
Cooked ham and other cooked meats	128	1,664	482	11,735	260
Brawn	67	444	48	408	192
			71	71	
Meat puddings and pies	1,226	10,482	1,116	10,707	990
Black pudding	149	839	128	1,961	
Tripe dressed	114	498	68	753	205
Offals and by-products, not elsewhere specified					
Edible	626	2,702	669	3,529	204
Inedible (including bones)	341	451	799	790	
Sausage meat	153	1,125	98	980	189
Sausages (other than black pudding)				130	
Uncooked					
Pork	1,075	10,451	1,700	20,499	311
Beef	708	5,046	823	7,316	224
Cooked (breakfast sausage, poloney, etc.)	112	719	119	1,169	180
Sausage meat and sausages, unclassified	50	434	32	354	7
Other open pack meat products	108	931	70	96	
Bladders, casings and sausage skins					
Sheep	13	523	31	948	55
Hog	43	295	11	513	
Other sorts	..	560	31	226	71
Lard made and sold unblended	69	415	163	188	
Gut string (unfinished)	..	400	..	198	46
Waste products	..	41	..	271	
Work done for the trade or on commission (a)		156		34	9
Total		86,674		236	48
Sales in other industries (see Table 6)		3,868		5,971	..
Principal products of this industry sold by establishments in the industry		82,806		143,918	396

(a) Amount charged.

(87738)

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.cwt.	£'000	Number	
Open pack meat products				
Cooked ham and other cooked meats (including brawn)	{ 44 ..	591 60	{ 7	8E, 8E, 8J, 9G
Meat puddings and pies	{ 348 ..	3,304 926	{ 770	8E, 8F, 8J
Black pudding and tripe, dressed	{ 7 ..	26 4	{ ..	8E, 20
Sausages (other than black pudding)				
Uncooked				
Pork	{ 22 ..	294 30	{ 26	8E, 8J
Beef	{ 11 ..	108 ..	{ 11	8E, 8E, 8J
Sausage meat and sausages, unclassified (b)	{ 30 ..	339 41	{ 8	8E, 8F, 8J, 9G
Other open pack meat products (including offals and by-products, not elsewhere specified)	{ 26 ..	76 10	{ 8	8E, 8F, 8J, 9G
Bladders, casings and sausage skins				
Sheep	{	95 8	{ ..	20, 7E
Other (including gut string, unfinished)	{ 1 ..	8 60	{ 6	2F, 20, 9C, 11E
Total		5,971	..	

(a) The volume number and industry references given are to the industries shown in the list at the back of this report.
(b) Includes cooked breakfast sausage, poloney, etc.

Sales in the industry of other than principal products

Larger establishments in the United Kingdom

TABLE 7

	1954	
	Quantity	Value
	Th.cwt.	£'000
Fresh meat sold		
Pork	{ 761 ..	8,455 2,459
Other	{ 210 ..	2,291 417
Preserved foods		
Preserved meat in tins, glasses, etc.		
Meat roll or galantine	{ 13	116
Tongues	{ 12	397
Other solid packs	{ 57	1,053
Other descriptions (including ready or prepared meals)	{ 75	811
Preserved fish in tins, glasses, etc. (excluding herrings, brisling, sild and pilchards)	{ 4	54
Meat extracts and essences	{ 2	12
Other preserved meat	{ ..	43
Meat and fish pastes in tins, glasses, etc.		
Poultry and/or meat	{ 5 ..	67 39
Fish	{ 1 ..	22 35
Soups, tinned or bottled	{ 25	118

(87738)

TABLE 7 (contd.)

	1954	
	Quantity	Value
	Th.cwt.	£'000
Preserved foods (contd.)		
Potato crisps	{ 1 ..	12 15
Preserved fruit	{ 4 ..	34 9
Other preserved foods	{ 57	218
Bakery products		
Bread (a)	{ ..	64
Flour confectionery	{ ..	238
Other	{ 3 ..	25 5
Other food products	{ ..	61
Oils, fats and greases (excluding tallow)		
Refined, edible		
Dripping	{ 76	393
Suet and other animal fats	{ 65	385
Unrefined and unclassified	{ ..	9
Tallow	{ 66 ..	210 57
Th.tons		
Feeding stuffs for animals	{ 0.5 ..	23 7
Fertilizers	{ 16.1 ..	64 13
Other goods	{ ..	238
Total		18,511

(a) Including breadcrumbs.

Total make of intermediate products
Larger establishments in the United Kingdom

TABLE 8

	Returned in this industry (a)		
	1951	1954	
	Quantity	Quantity	Entries
	Th.cwt. (b)	Th.cwt. (b)	Number
Bacon cured	{	3,979	147
Ham cured	{ 3,485	{ 137	45

(a) In 1951 all other industries recorded a total make of bacon and ham, cured of 2,000 cwt. None was recorded in other industries for 1954.
(b) Green weight after cure.

(87738)

TABLE 9 Purchases of materials and fuel, 1954: Larger establishments in the United Kingdom

	Quantity	Cost
	Th.cwt.	£'000
Materials		
Bacon and ham purchased for smoking		
Home produced	450	6,275
Imported	908	12,278
Pigs, live or dressed carcasses (whole or part)		
Home produced	7,886	97,938
Imported	225	2,425
Cattle, live or dressed carcasses (whole or part)	928	6,823
Other fresh meat including offals and blood	666	4,098
Meat extracts and essences	1	12
Other forms of meat (dehydrated, canned, etc.)	19	241
Bladders, casings and sausage skins		
Sheep	30	1,369
Hog	13	1,849
Other sorts	24	391
Cereal filler (sausage rusk)	334	762
Seasonings	211	97
Flour	330	423
Fats (including compound fat and dripping)	149	1,004
Packing materials		
Tin containers and tinplate	15	82
Glass bottles and jars	7	202
Oiled, waxed and other waterproof wrappings	8	6
Cardboard boxes, cartons and fibre-board packing cases	21	2
Other packing materials		
Replacement parts for firms' own machinery, plant and vehicles and consumable tools bought as replacement		
All other purchased materials		
Unclassified materials		
Fuel and electricity		
Coal	80.7	354
Coke	14.5	38
Liquid fuel (including creosote/pitch mixtures)		
For use in internal combustion engines		
Motor spirit (petrol) for use in road vehicles and derv. fuel	2,203	424
Other	63	54
For burning in furnaces, boilers, kilns, etc.	2,297	5
Gas purchased		
From Gas Boards	1,554	94
From other sources, including other departments of the same firms		26
Electricity purchased		
From Electricity Boards	50,551	248
From other sources, including other departments of the same firms	415	74
All other purchased fuel		2
Total cost		151,263

(87738)

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

	1951	1954
	Number	Number
Average number of employees		
Operatives	19,680	26,464
Administrative, technical and clerical employees	3,701	4,944
Total	23,381	31,408
Wages and salaries paid to	£'000	£'000
Operatives	5,582	9,276
Administrative, technical and clerical employees	1,811	2,668
Total	7,392	11,944
Wages and salaries per head	£	£
Operatives	284	351
Administrative, technical and clerical employees	489	540
Superannuation and other pension funds for employees and dependents (b)		£'000
Employers' contributions	..	121
Employees covered	..	Number
		7,546
		£'000
		31
Pension, etc. payments to former employees and dependents (b)	..	31

(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):

	1951	1954
	Number	Number
Canteen workers		
Male	13	30
Female	144	187
Total	157	217
Other workers		
Male	399	993
Female	279	450
Total	678	1,443
Total excluded employees	835	1,660

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

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

	1951			1954		
	Males	Females	Total	Males	Females	Total
	Number					
Working proprietors	89	13	102	79	10	89
Operatives	12,676	7,367	20,043	17,396	10,164	27,560
Administrative, technical and clerical employees	2,347	1,501	3,848	3,051	2,051	5,102
Total employees	15,023	8,868	23,891	20,447	12,215	32,662

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

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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
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- 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

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

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- C. Biscuit
- D. Bacon Curing and Sausage

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- E. Preserved Meat
- F. Milk Products
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VOLUME 9

- 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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- J. Spirit Distilling
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- B. Furniture and Upholstery
- C. Soft Furnishings
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- C. Brushes and Brooms
- D. Toys and Games
- E. Sports Requisites
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- H. Cinematograph Film Printing
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- J. Incandescent Mantles

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