

BOARD OF TRADE

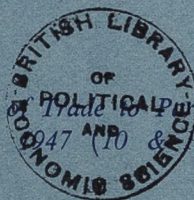
42
[HA 251]

*The Report on the
Census of Production
for 1954*

Volume 4: Industry J

MECHANICAL ENGINEERING (REPAIRING)

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)



LONDON: HER MAJESTY'S STATIONERY OFFICE

1958

PRICE 1s. 6d. NET

The Report on the Census of Production for 1954

VOLUME 4 INDUSTRY J

MECHANICAL ENGINEERING (REPAIRING)

THIS REPORT on the Mechanical Engineering (Repairing) Industry relates to establishments, including Government establishments, engaged wholly or mainly in repair, maintenance and jobbing work on non-electrical machinery of all kinds or in mechanical engineering work on materials supplied by other firms.

The establishments in this industry are included in the Standard Industrial Classification with the manufacturing establishments covered by minimum list headings 51 to 69.

LIST OF TABLES

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

S
42
[HA 251]

21.7.58.

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)	23.1	32.4	46.3	2.96	2.11
Net output	16.2	20.5	32.6	2.09	1.46
Total stocks and work in progress					
At beginning of year	2.5	4.2	8.2	0.40	0.39
Change during year	+ 0.6	+ 1.4	+ 1.2	- 0.03	- 0.03
Capital expenditure less disposals (a)	0.9	1.5	2.7	0.11	0.07
Wages and salaries	11.0	14.6	21.3	1.45	1.15
Total employment (including working proprietors)	Thousands	Thousands	Thousands	Thousands	Thousands
	34.8	38.9	45.3	3.49	2.32

(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
FIRMS EMPLOYING ON AVERAGE MORE THAN 10 PERSONS				
Number of establishments	No.	826	804	995(a)
Total value of sales and work done	£'000	19,710	27,159	40,633
Products on hand for sale	"	1,097	1,899	4,596
and work in progress	"	322	575	1,127
Gross output (production) (b)	"	19,962	27,734	41,761
Purchases of materials and fuel	"	5,870	9,971	10,796
Stocks of materials and fuel	"	1,101	1,700	2,838
Cost of materials and fuel used	"	235	587	8
Payment for work done on materials given out	"	5,634	9,384	10,804
Payment for transport (c)	"	333	565	1,207
	"	70	204	347
Net output	"	13,994	17,581	29,402
Average number of employees	{ operatives others	No.	25,404	28,041
	"	"	4,410 (d)	5,079
Total employment (e)	"	"	30,028	33,327
Net output per person employed (e)	£	"	466	528
Wages and salaries	{ of operatives of others	£'000	7,726	10,089
	"	"	1,732	2,383
Capital expenditure	"	"	"	"
New building work (f)	"	187	227	624
Plant and machinery	{ acquisitions (f) disposals	"	528	945
	"	"	66	111
Vehicles	{ acquisitions (f) disposals	"	157	263
	"	"	28	60
FIRMS EMPLOYING ON AVERAGE 10 OR FEWER PERSONS				
Number of returns	No.	832	955(g)	727
Total employment, including working proprietors	"	4,276	5,096(g)	3,702

(a) Including 116 establishments employing 10 or fewer persons particulars of which were included with those of larger establishments on single returns. For 1948 and 1951 such establishments were not separately counted; on the same basis the number of establishments in 1954 is 879.

(b) 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.

(c) 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.

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

(e) Excluding outworkers and including working proprietors.

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

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

MECHANICAL ENGINEERING (REPAIRING)
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)	534	7,587	5,778	6,580	1,285	2,891	709	481	722
25 - 49	270	9,085	6,455	7,706	1,523	3,445	919	614	695
50 - 99	112	8,071	5,578	6,137	1,259	2,793	709	544	754
100 - 199	54	7,401	5,411	6,468	1,081	2,983	637	401	716
200 - 299	12	3,034	1,995	2,396	480	1,083	278	162	694
300 - 399	4	1,058	773	1,213	176	498	95	28	557
400 and over	9	5,523	3,412	3,624	719	1,769	429	148	786
Total	995	41,761	29,402	34,124	6,523	15,461	3,777	2,377	720

(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 116 establishments with fewer than 11 persons employed, particulars of which were included with those for larger establishments in a single return.

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

No specialisation within this industry was distinguished.

Work done ('principal products' of the industry)
Larger establishments in the United Kingdom

TABLE 5

	1951	1954	
	Amount charged	Amount charged	Entries
	£'000	£'000	Number
Repair and jobbing work	15,353	17,936	492
Work, other than constructional engineering work, done for the trade or on commission on materials supplied by customers	7,117	14,874	460
Total work done, including the value of all goods used whether made in the establishment or purchased	22,470	32,810	802
Less total value of goods made or fabricated in the establishment and used in repair and jobbing work (a)	203	246	22
Total work done ('principal products') by establishments in the industry, including the value of all purchased goods used	22,267	32,564	802

(a) These goods are included in Table 7.

TABLE 6 - Sales of principal products of the industry by establishments classified to other industries

This table is not applicable to the industry.

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

TABLE 7

	1954
	Value
	£'000
Machinery and plant and parts	
Agricultural machinery	140
Machine tools, metal-working	400
Engineers' small tools	563
Mechanical handling equipment	165
Printing, bookbinding, paper-working, etc., machinery	233
Pumps	40
Textile machinery	
New	319
Reconditioned	38
Accessories, sold separately	109
Typewriters, new and reconditioned	24
Air conditioning, heating and ventilating plant and appliances	57
Boilers and boiler-house plant	55
Civil engineering and contracting machinery and plant	113
Food and drink preparation, processing and sterilising machinery	436
Machine tools, wood-working	35
Mining machinery	53
Prime movers, other than marine	39
Gears and gear wheels	79
Other machinery and plant and parts	1,483
Iron castings	141
Hardware, hollow-ware and sheet metal manufactures	136
Fabricated iron and steel	494
Parts and accessories for motor vehicles (including tractors) cycles and aircraft	173
Other goods	1,821
Waste products sold	
Iron and steel scrap	94
Other scrap metals	87
Other waste products	18
Work done	
Constructional engineering (a)	205
Machinery purchased and installed and other installation work, other than constructional engineering (a)	453
Other (Repairs to road vehicles, etc.) (b)	68
Total	8,069

(a) Amount charged exclusive of the value of goods made by the firms and used in the work: these goods are included above.

(b) Amount charged.

Total make of certain intermediate products
Larger establishments in the United Kingdom

TABLE 8

	Returned in this industry		
	1951	1954	
	Quantity	Quantity	Entries
	Th. tons	Th. tons	Number
Other than principal products			
Iron castings (a)	3.2	5.4	26

(a) For total output returned in all industries see the Iron Foundries Industry (Volume 3, Industry C).

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

	Quantity	Cost
	Th. tons	£'000
Materials		
Iron and steel		
Drop-forgings	0.4	63
Wrought tubes and fittings for wrought tubes	0.9	84
Fabricated bridge components and other structural iron and steel work	0.2	13
Wire (single wire)	0.1	4
Wire manufactures, including wire cables and ropes and stranded wire of two or more ply	0.1	22
Chains		
Transmission and conveyer types	..	11
Other chains	0.1	18
Iron and steel scrap	5.5	39
Other iron		
Pig-iron, except refined pig-iron	3.9	72
Castings in the rough or machined, except machined castings elsewhere specified	4.6	238
Other iron, except finished parts	0.6	25
Ferro-alloys	0.1	15
Other steel (alloy and non-alloy)		
Ingots, blooms, billets, and slabs, and sheet and tinplate bars	0.7	32
Angles, shapes, sections, bars, rods (including wire rods) and girders, beams and joists (not fabricated)	13.3	618
Castings in the rough or machined, except machined castings elsewhere specified	0.5	82
Forgings, except drop-forgings, in the rough or machined, except machined forgings elsewhere specified	0.3	45
Tin-, terne-, and black-plates and tinned and terne sheets	0.2	10
Other plates and sheets, 1/8 inch thick and over, and hoop and strip (including tape) of all thicknesses	6.8	321
Other plates and sheets under 1/8 inch thick, including electrical quality sheets	2.3	159
Axles, tyres, wheels (rail type)	0.1	4
Springs (laminated and other types)	..	6
Light metals and non-ferrous metals in all forms, except finished parts, wire and scrap	Th.cwt.	
Aluminium, magnesium (and their alloys) and antimony	7.2	109
Castings	6.2	145
Other	9.6	114
Copper	1.3	32
Lead and alloys of lead, except solder, and tin	5.9	119
Zinc	0.9	9
Non-ferrous metal wire, not insulated	0.1	2
Soft solder	0.3	7
Scrap non-ferrous metals	0.9	9
Insulated wires and cables	..	24
Rubber in all forms, including finished parts	0.5	14
Refractory materials	..	19
Asbestos in all forms, including finished parts	..	105

(89983)

TABLE 9 (contd.)

	Quantity	Cost
		£'000
Materials (contd.)		
Other thermal insulating materials	..	164
Paint, enamel and varnish	..	88
Lubricating oils and greases (including cutting oil and emulsions)	Th.gal. 179.1	46
Timber (excluding timber for making into packing cases, etc. or for repairing returnable cases)	..	15
Hardwood and softwood	Th.cu.ft. 92.1	59
Plywood, including battenboard, blockboard and laminboard	..	21
Nuts, bolts, studs, screws, rivets, washers, nails, tacks, etc.	Th.sq.ft. 78.8	4
Purchased components for incorporation in own products	..	1
Ball and roller bearings and parts	..	116
Internal combustion engines	Number 324	14
Electric motors	..	5
Pumps	3,994	60
Industrial valves	..	22
Gears and gear wheels of metal	670	74
Measuring instruments and gauges and parts	..	22
Electronic (including valves)	..	32
Other	..	6
Other purchased components	..	16
Finished components of plastic materials	..	3
Other, not elsewhere specified	..	2,068
Replacement parts for plant, machinery and vehicles	..	547
Consumable tools, including gauges, etc. bought as replacement	..	435
Packaging materials		
Paper and paperboard, and cardboard boxes, fibreboard packing cases, etc.	..	15
Timber and timber packing cases, etc.	Th.cu.ft. 9.5	6
Jute piece goods, including hessian, and jute sacks and bags	..	17
Other packing materials	..	1
All other purchased materials	..	5
Unclassified materials	..	1,563
Fuel and electricity	Th.tons	1,111
Coal	19.9	90
Coke	19.4	117
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	1,130	228
Other	..	53
For burning in furnaces, boilers, kilns, etc.	338	25
Gas purchased	252	13
From Gas Boards	Th.therms 2,532	125
From other sources, including other departments of the same firms	..	48
Electricity purchased (a)	..	2
From Electricity Boards	Th.kWh. 39,450	282
From other sources, including other departments of the same firms	..	100
All other purchased fuel	3,753	22
Total		10,796

(a) The total quantity of electricity generated in firms' own establishments in this industry in 1954 was 3,021 Th.kWh.

(89983)

MECHANICAL ENGINEERING (REPAIRING)

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

TABLE 10

Larger establishments in the United Kingdom

	1951	1954
	Number	Number
Average number of employees		
Operatives	28,041	34,124
Administrative, technical and clerical employees	5,079	6,523
Total	33,120	40,647
Wages and salaries paid to	£'000	£'000
Operatives	10,089	15,461
Administrative, technical and clerical employees	2,383	3,777
Total	12,473	19,238
Wages and salaries per head	£	£
Operatives	360	453
Administrative, technical and clerical employees	469	579
Superannuation and other pension funds for employees and dependents (b)		£'000
Employers' contributions	..	161
Employees covered	..	8,591
Pension, etc. payments to former employees and dependents (b)	..	£'000
		45

(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	23	18
Female	231	282
Total	254	300
Other workers		
Male	2,519	1,067
Female	602	439
Total	3,121	1,506
Total excluded employees	3,375	1,806
Outworkers		
Male	-	8
Female	19	27
Payments to outworkers	£'000	£'000
	2	6

(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

	Number					
	1951			1954		
	Males	Females	Total	Males	Females	Total
Working proprietors	198	9	207	197	11	208
Operatives	26,450	1,733	28,183	32,035	2,311	34,346
Administrative, technical and clerical employees	3,497	1,592	5,089	4,468	2,208	6,676
Total employees	29,947	3,325	33,272	36,503	4,519	41,022

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

DS 89983/1/wt.3351 K.4 3/58 CL

LIST OF INDUSTRY REPORTS

VOLUME 1	VOLUME 4 (contd.)	VOLUME 8 (contd.)
A. Coal Mines	H. Printing and Bookbinding Machinery	E. Preserved Meat.
B. Non-Metalliferous Mines and Quarries (other than Coal, Salt and Slate)	I. Mechanical Engineering (General)	F. Milk Products
C. Salt Mines, Brine Pits and Salt Works	J. Mechanical Engineering (Repairing)	G. Ice Cream
D. Slate Quarries and Mines	K. Electrical Engineering (General)	H. Sugar and Glucose
E. Metalliferous Mines and Quarries	L. Electric Wires and Cables	I. Cocoa, Chocolate and Sugar Confectionery
F. Brick and Fireclay	M. Radio and Telecommunications	J. Preserved Fruit and Vegetables
G. China and Earthenware	N. Batteries and Accumulators	
H. Glass Containers	O. Electric Lighting Accessories and Fittings	VOLUME 9
I. Glass (other than Containers)		A. Margarine
J. Cement	VOLUME 5	B. Fish Curing
K. Abrasives	A. Tool and Implement	C. Cattle, Dog and Poultry Foods
L. Building Materials	B. Cutlery	D. Vinegar and Other Condiments
M. Manufactured Fuel	C. Chain, Nail, Screw and Miscellaneous Forgings	E. Starch
	D. Wire and Wire Manufactures	F. Ice
VOLUME 2	E. Hardware, Hollow-ware, Metal Furniture and Sheet Metal	G. Miscellaneous Preserved Foods
A. Coke Ovens and By-products	F. Brass Manufactures	H. Brewing and Malting
B. Dyes and Dyestuffs	G. Needles, Pins, Fish Hooks and Metal Smallwares	I. Wholesale Bottling
C. Fertiliser, Disinfectant, Insecticide and Allied Industries	H. Scientific, Surgical and Photographic Instruments, etc.	J. Spirit Distilling
D. Coal Tar Products	I. Watch and Clock	K. Spirit Rectifying and Compounding
E. Chemicals (General)	J. Jewellery and Plate	L. Soft Drinks, British Wines and Cider
F. Drugs and Pharmaceutical Preparations	K. Precious Metals Refining	M. Tobacco
G. Toilet Preparations and Perfumery	L. Musical Instruments	
H. Explosives and Fireworks		VOLUME 10
I. Paint and Varnish	VOLUME 6	A. Timber
J. Soap, Candles and Glycerine	A. Cotton Spinning and Doubling	B. Furniture and Upholstery
K. Polishes	B. Cotton Weaving	C. Soft Furnishings
L. Ink	C. Woollen and Worsted	D. Shop and Office Fitting
M. Match	D. Rayon, Nylon, etc. Production	E. Wooden Containers and Baskets
N. Mineral Oil Refining	E. Rayon, Nylon, etc. Weaving, and Silk	F. Paper and Board
O. Oils and Greases	F. Flax Processing	G. Wallpaper
P. Seed Crushing and Oil Refining	G. Linen and Soft Hemp	H. Cardboard Box, Carton and Fibre-board Packing Case
Q. Glue, Gum, Paste and Allied Industries	H. Jute	I. Manufactured Stationery, Paper Bag and Kindred Industries
R. Plastics Materials	I. Rope, Twine and Net	J. Newspaper and Periodical Printing and Publishing
	J. Hosiery and Other Knitted Goods	K. Printing and Publishing, Bookbinding, Engraving, etc.
VOLUME 3	K. Lace	
A. Blast Furnaces	L. Carpets	VOLUME 11
B. Iron and Steel (Melting and Rolling)	M. Narrow Fabrics	A. Rubber
C. Iron Foundries	N. Canvas Goods and Sacks	B. Linoleum, Leathercloth and Allied Industries
D. Steel Sheets	O. Textile Converting	C. Brushes and Brooms
E. Tinplate	P. Made-up Household Textiles	D. Toys and Games
F. Wrought Iron and Steel Tubes	Q. Textile Finishing	E. Sports Requisites
G. Non-Ferrous Metals (Smelting, Rolling, etc.)	R. Textile Packing	F. Miscellaneous Stationers' Goods
H. Scrap Metal Processing		G. Cinematograph Film Production
I. Motor Vehicles and Cycles (Manufacturing)	VOLUME 7	H. Cinematograph Film Printing
J. Motor Vehicles and Cycles (Repairing)	A. Asbestos	I. Plastic Goods and Fancy Articles
K. Aircraft Manufacture and Repair	B. Flock and Rag	J. Incandescent Mantles
L. Railway Locomotive Shops and Locomotive Manufacturing	C. Hair, Fibre and Kindred Industries	
M. Railway Carriages and Wagons and Trams	D. Leather (Tanning and Dressing)	VOLUME 12
N. Carts, Perambulators, etc.	E. Fellmongery	A. Building and Contracting
	F. Leather Goods	B. Local Authorities (Building and Civil Engineering)
VOLUME 4	G. Fur	C. Railways (Civil Engineering)
A. Shipbuilding and Ship Repairing	H. Tailoring, Dressmaking, etc.	D. Tramway, Trolley Bus and Omnibus Undertakings (Civil Engineering)
B. Marine Engineering	I. Hats, Caps and Millinery	E. Canal, Dock and Harbour Undertakings (Civil Engineering)
C. Machine Tools	J. Glove	F. Gas Supply Industry
D. Textile Machinery and Accessories	K. Umbrella and Walking Stick	G. Electricity Supply Industry
E. Small Arms	L. Boot and Shoe	H. Water Undertakings
F. Constructional Engineering		
G. Mechanical Handling Equipment	VOLUME 8	
	A. Grain Milling	
	B. Bread and Flour Confectionery	
	C. Biscuit	
	D. Bacon Curing and Sausage	

© *Crown copyright 1958*

Printed and published by
HER MAJESTY'S STATIONERY OFFICE

To be purchased from
York House, Kingsway, London w.c.2
423 Oxford Street, London w.1
13A Castle Street, Edinburgh 2
109 St Mary Street, Cardiff
39 King Street, Manchester 2
Tower Lane, Bristol 1
2 Edmund Street, Birmingham 3
80 Chichester Street, Belfast
or through any bookseller

Printed in Great Britain

S.O. Code No. 51-341-4-10