

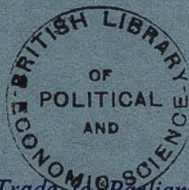
BOARD OF TRADE

S
42
[HA 251]

*The Report on the
Census of Production
for 1954*

Volume 6: Industry B

COTTON WEAVING



*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 9d NET

The Report on the Census of Production for 1954

VOLUME 6 INDUSTRY B

COTTON WEAVING

THIS REPORT on the Cotton Weaving Industry relates to establishments engaged wholly or mainly in weaving all types of cotton fabric (except narrow fabrics). Establishments wholly or mainly engaged in weaving fabrics of man-made fibres (rayon, nylon, etc.) are excluded.

Weavers who also converted cotton cloth to the finished state, or made it up into household textiles, in the main made separate returns for 1954 and 1951 in respect of their converting and making-up departments. These departments are covered by the reports on the Textile Converting Industry (Volume 6, Industry O), and the Made-up Household Textiles Industry (Volume 6, Industry P).

This industry corresponds to minimum list heading 111 in the Standard Industrial Classification. There were no establishments in Northern Ireland in the register for this industry.

LIST OF TABLES

Table No.	Title	Page	Table No.	Title	Page
1	Industry summary: estimates for the industry as a whole	6/B/3	6	Sales of principal products of the industry by establishments classified to other industries	6/B/6
2	Summary of returns received	6/B/3	7	Sales in the industry of other than principal products	6/B/6
3	Analysis by size, 1954	6/B/4	8	Total make of intermediate products	6/B/7
4	Analysis according to specialisation within the industry, 1954	6/B/4	9	Purchases of materials and fuel, 1954	6/B/8
5	Sales of principal products of the industry, including sales of these products by establishments classified to other industries	6/B/5	10	Average number of employees and wages, salaries and superannuation payments	6/B/10
			11	Employment in a specified week	6/B/10

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
H2
[HA 251]

20.5.58

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 (a)
	1948	1951	1954		
Gross output (production)	£ million 174.0	£ million 322.6	£ million 225.4	£ million 5.18	£ million ..
Net output	48.5	74.0	55.9	1.37	..
Total stocks and work in progress					
At beginning of year	23.2	40.2	35.3	0.77	..
Change during year	+ 5.2	+ 11.7	+ 2.8	+ 0.17	..
Capital expenditure less disposals (b)	2.8	4.2	3.3	0.08	..
Wages and salaries	25.2	36.4	37.0	1.01	..
Total employment (including working proprietors)	Thousands 104.8	Thousands 118.4	Thousands 105.1	Thousands 3.34	Thousands ..

(a) Owing to the risk of disclosure of information relating to individual firms separate particulars for Wales 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
FIRMS EMPLOYING ON AVERAGE MORE THAN 10 PERSONS				
Number of establishments	No.	778	819	788
Total value of sales and work done	£'000	170,600	311,493	220,887
Products on hand for sale	"	9,378	19,641	20,011
and work in progress	"	3,023	9,350	2,495
Gross output (production) (a)	"	173,427	320,843	223,382
Purchases of materials and fuel	"	124,778	245,558	163,357
Stocks of materials and fuel	"	13,748	20,360	15,000
{ at beginning of year	"	2,201	2,240	319
{ change during year	"	122,576	243,318	163,039
Cost of materials and fuel used	"	2,534	3,099	4,113
Payment for work done on materials given out	"	196	848	854
Payment for transport (b)	"	48,316	73,577	55,376
Net output	"	98,909	111,222	97,339
Average number of employees	No.	5,435(c)	6,526	6,783
Total employment (d)	"	104,398	117,783	104,145
Net output per person employed (d)	£	463	625	532
Wages and salaries	£'000	22,159	31,752	32,020
{ of operatives	"	2,999	4,430	4,666
{ of others	"	424	771	439
Capital expenditure	"	2,380	3,320	2,761
New building work (e)	"	138	120	157
Plant and machinery	"	148	280	226
{ acquisitions (e)	"	21	58	63
{ disposals	"			
Vehicles	"			
{ acquisitions (e)	"			
{ disposals	"			
FIRMS EMPLOYING ON AVERAGE 10 OR FEWER PERSONS				
Number of returns	No.	38	66	82
Total employment, including working proprietors	"	241	454	529

(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.

COTTON WEAVING

TABLE 3 Analysis by size, 1954: Larger establishments in the United Kingdom

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)	68	2,580	697	1,044	136	342	83	56	586
25 - 49	123	9,733	2,525	4,148	384	1,360	276	200	556
50 - 99	219	36,730	8,584	15,179	1,059	4,916	738	438	529
100 - 199	218	66,529	16,724	29,134	1,864	9,759	1,323	766	540
200 - 299	106	57,521	13,726	24,565	1,283	8,211	1,003	943	531
300 - 399	34	24,770	5,738	10,572	733	3,327	487	454	508
400 - 749	13	13,578	3,078	5,737	512	1,953	328	259	493
750 and over	7	11,940	4,306	6,960	812	2,151	427	311	554
Total	788	223,382	55,376	97,339	6,783	32,020	4,666	3,426	532

- (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

	Unit	Specialist producers of woven cotton cloth					Specialist producers of			Re-main-der of the indus-try, includ-ing comm-ission weavers	Total
		Canvas and duck	Surgi-cal dress-ings cloth	Towel-ling	Other cloth from pro-cessed yarn	Other and un-classi-fied cloth woven from grey or pro-cessed yarn	Surgi-cal and medical dress-ings	Sani-tary towels and tam-pons	Manu-fac-tured cotton clean-ing waste		
Number of establishments	No.	25	20	30	112	510	19	20	18	34	788
Total value of sales and work done	£'000	17,879	6,164	7,514	22,395	146,259	6,405	6,711	1,228	6,334	220,887
Sales of characteristic products	"	14,329	4,663	7,182	19,631	129,574	5,676	5,687	1,087		
Products on hand for sale and work in progress	{ at beginning of year change during year	1,066	310	900	2,400	14,088	319	379	32	517	20,011
Gross output (production)	"	+ 459 18,338	+ 8 6,171	- 95 7,418	+ 207 22,601	+ 1,800 148,059	+ 53 6,459	+ 59 6,769	- 1,228	+ 5 6,339	+ 2,495 223,382
Purchases of materials and fuel	"	15,565	4,751	5,059	15,212	109,268	5,126	3,972	858	3,547	163,357
Stocks of materials and fuel	{ at beginning of year change during year	546	335	558	1,918	10,071	417	460	151	545	15,000
Cost of materials and fuel used	"	+ 5 15,560	+ 66 4,685	+ 98 4,962	+ 241 14,971	- 452 109,720	+ 147 4,980	+ 93 3,879	- 5 862	+ 126 3,420	+ 319 163,039
Payment for work done on materials given out	"	216	19	479	1,377	1,703	42	77	1	198	4,113
Payment for transport	"	61	19	22	59	378	46	112	53	103	854
Net output	"	2,500	1,448	1,956	6,194	36,257	1,391	2,700	311	2,618	55,376
Average number of employees	{ operatives others	3,077	2,304	3,720	10,536	67,180	2,091	3,843	586	4,002	97,339
Total employment (a)	"	307	111	212	797	3,917	296	694	84	365	6,783
Net output per person employed (a)	"	3,384	2,415	3,932	11,341	71,110	2,387	4,538	671	4,367	104,145
Wages and salaries	{ of operatives of others	£ 739	600	497	546	510	583	595	464	599	532
Capital expenditure	"	£'000 1,094	753	1,190	3,604	22,252	662	1,090	147	1,227	32,020
New building work (b)	"	232	90	160	531	2,817	172	381	49	233	4,666
Plant and machinery	{ (b) acquisitions disposals	31	8	44	33	286	8	5	-	24	439
Vehicles	{ (b) acquisitions disposals	126	15	89	339	1,835	73	180	4	100	2,761
	"	4	-	2	8	112	1	27	-	2	157
	"	12	2	16	36	114	14	16	4	12	226
	"	1	-	4	12	36	1	6	1	3	63

- (a) Excluding outworkers and including working proprietors.
 (b) Excluding expenditure for establishments not yet in production.

(89074)

COTTON WEAVING

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

	1951		1954		Entries
	Quantity	Value	Quantity	Value	
Woven cotton cloth in the loom state	Th.sq.yds.	£'000	Th.sq.yds.	£'000	Number
Woven from grey yarn					
Tyre cord and fabric	60,893	13,069	15,131	1,919	14
Canvas and duck, other than tyre fabric (weighing not less than 8 oz. per sq.yd.)	60,748	23,337	68,490	18,754	73
Cloth for surgical dressings, gauze, bandages, scrim and the like (weighing not more than 2 oz. per sq.yd.)	301,184	7,723	287,521	5,847	49
Towelling	17,850	3,792	27,121	4,516	47
Woven cleaning cloths and dish cloths	15,898	1,648	19,135	1,359	23
			508		
Other cloth woven from grey yarn	1,433,053	161,142	1,381,849	123,073	611
Unclassified	6,943	998	8,050	857	46
Woven wholly or in part from bleached, dyed or other processed yarn					
Towelling	37,497	8,658	26,378	4,879	32
Other	285,972	49,720	239,554	31,798	292
Unclassified	798	218	307	51	10
Cotton dryer felts, including asbestos-cotton felts	479	1,064	769	1,249	5
Surgical and medical dressings, medicated or not, of cotton	Th.gross		Th.gross		
Bandages of all descriptions (a)	620	2,063	477	1,395	26
	..	1,040	..	178	
Cotton wools and gauze tissues	Th.cwt. 143.8	4,304	Th.cwt. 122.4	2,420	23
Gauze in packets containing not more than 120 linear yards	Th.lb. 4,184	2,902	Th.lb. 3,269	1,976	18
	217	
Lints in packets not exceeding 2.2 lb. in weight	Th.cwt. 39.4	1,969	Th.cwt. 30.1	1,176	17
Other descriptions	..	940	..	1,059	19
Sanitary towels other than terry, including maternity pads	Th.gross		Th.gross		
Cotton wool, including tampons	1,556	1,995	1,693	1,665	25
Cellulose	2,357	2,134	3,716	3,123	17
Combined	..	307	
	2,590	3,123	2,479	2,375	13
Cotton wadding	Th.cwt. 84.8	1,619	Th.cwt. 128.6	1,661	14
Manufactured cotton cleaning waste	382.1	2,336	304.1	1,442	29
Other cotton manufactures (except made-up goods, machinery belting and smallwares)	..	505	..	838	12
Work done for the trade or on commission (b)	Th.sq.yds.		Th.sq.yds.		
Weaving	33,370	969	29,192	650	69
Other work done on commission		16		24	31
Total		297,590		215,008	..
Sales in other industries (see Table 6)		17,097		15,829	..
Principal products of this industry sold by establishments in the industry		280,493		199,179	685

- (a) Expressed as the equivalent number of bandages 2½ inches by 6 yards.
 (b) Amount charged.

(89074)

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	
Woven cotton cloth in the loom state	Th.sq.yds.	£'000	Number	
Woven from grey yarn				
Canvas and duck, other than tyre fabric (weighing not less than 8 oz. per sq.yd.)	12,360	3,218	26	6E, 6G
Towelling	426	91	15	6G, 6H
Other cloth woven from grey yarn, including tyre cord and fabric, cloth for surgical dressings, gauze, bandages, scrim and the like, and woven cleaning cloths and dish cloths	..	20		
Unclassified	60,893	6,421	129	6C, 6E, 6H, 6K
Woven wholly or in part from bleached, dyed, or other processed yarn	8,050	857	46	6G
Towelling	23	4	..	6G
Other	21,205	3,434	91	6C, 6E, 6G, 6H
Unclassified	307	51	10	6G
Surgical and medical dressings, medicated or not, of cotton	..	668	13	2F, 6C, 6J
Sanitary towels, other than terry, including maternity pads and tampons	Th.gross 447	459	9	2F, 6E, 10C, 10I
Cotton wadding	Th.cwt. 13.3	115	5	6C, 7C, 7H, 7I
Manufactured cotton cleaning waste	..	119		
Other cotton manufactures (except made-up goods, machinery belting and smallwares)	56.8	296	10	7B
	..	76	..	6C, 6H
Total		15,829	..	

(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
Cotton felt, other than cotton dryer felts and asbestos-cotton felts	Th.cwt. 15.9	£'000 122
Woven cloth wholly of man-made continuous filament yarn (rayon, nylon, etc.) other than tyre cord and fabric	..	35
Synthetic (nylon, etc.) yarn predominant by weight	Th.sq.yds. 1,079	284
Other (rayon, etc.) yarn predominant by weight	..	31
Woven wholly or in part from coloured yarn	1,305	217
Other	..	160
Woven cloth of man-made (rayon, nylon, etc.) spun yarn or of spun yarn mixed with continuous filament yarn	18,322	1,617
Synthetic fibres (nylon, etc.) predominant by weight	5,951	639
Other (rayon, etc.) fibres predominant by weight	..	220
Woven wholly or in part from coloured yarn	8,992	948
Other	85,321	6,915

(89074)

TABLE 7 (contd.)

	1954	
	Quantity	Value
Woven cloth of man-made continuous filament yarn (rayon, nylon, etc.) mixed with cotton, other than tyre cord and fabric	Th.sq.yds.	£'000
Containing more synthetic (nylon, etc.) than other man-made (rayon, etc.) yarn	167	60
Containing less synthetic (nylon, etc.) than other man-made (rayon, etc.) yarn		
Woven wholly or in part from coloured yarn	6,733	1,055
Other	17,570	2,075
Woven cloth of man-made (rayon, nylon, etc.) staple fibre and cotton		
Containing less synthetic (nylon, etc.) than other man-made (rayon, etc.) fibres		
Woven wholly or in part from coloured yarn	4,332	716
Other	9,110	728
Piece goods of woollen and worsted	4,153	1,057
Other woven textiles	10,398	1,722
Knitted, netted or crocheted fabric	Th.lb. 397	103
Yarn of cotton and/or man-made fibres (rayon, nylon, etc.) (other than continuous filament yarn), doubled and reeled, wound, beamed, sized, etc.	2,578	524
Finished cloth (i.e.bleached, dyed or otherwise finished)	..	367
Other textile manufactures	..	116
Other goods made	..	852
Waste sold	Th.cwt.	
Cotton waste (other than manufactured cleaning waste)	153.9	723
Man-made fibre (rayon, nylon, etc.) waste	5.5	20
Other textile waste	..	81
Work done for the trade or on commission (a)	Th.lb.	
Reeling, coning, pining and cheesing	469	9
Beaming, sizing, etc.	..	3
Weaving of cloth of man-made fibres (rayon, nylon, etc.) or of man-made fibres mixed with other materials except silk	2,609	42
Other work done	Th.sq.yds. 4,463	119
Total		146
		21,708

(a) Amount charged.

TABLE 8 - Total make of intermediate products

Larger establishments in the United Kingdom

The total make of cloth for surgical dressings, gauze, bandages, scrim, and the like (weighing not more than 2 oz. per sq.yd.), returned in all industries in 1954, was 360,288 Th.sq.yds. Owing to the risk of disclosure of information relating to individual firms the total make returned in this industry cannot be given.

(89074)

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

TABLE 9

	Quantity	Cost
	Th.lb.	£'000
Materials		
Raw textile materials and waste		
Raw cotton	13,345	1,560
Cotton linters	12,612	633
Cotton waste	45,894	2,277
Raw silk	..	251
Man-made (rayon, nylon, etc.) staple fibre and waste	2,553	192
Yarns		
Cotton yarns, other waste yarn		
Single	412,134	97,254
Doubled	83,301	24,168
Cotton waste yarn, doubled or not	54,648	9,259
Man-made (rayon, nylon, etc.), continuous filament yarn		
Synthetic (nylon, etc. yarn)	1,094	679
Other (rayon, etc.) yarn	16,653	4,111
Man-made (rayon, nylon, etc.) spun yarn, including spun yarn doubled with continuous filament yarn		
Synthetic (nylon, etc.) fibre predominant	183	51
Other (rayon, etc.) fibre predominant		
Single yarn	31,035	5,791
Doubled yarn	1,488	386
Mixture yarns of cotton and man-made fibres (rayon, nylon, etc.)	2,730	537
Woollen and worsted and hair yarn including mixtures	1,147	598
Woven piece goods		
Of cotton		
For surgical dressings, bandages, gauze, etc. (weighing not more than 2 oz. per sq. yd.)		
In the grey	Th.sq.yds. 119,526	1,901
Bleached or otherwise finished	97,596	1,804
Other descriptions	5,869	613
Of man-made fibres (rayon, nylon, etc.) or silk (including mixtures) in the loom state	..	87
Cotton wool	703	79
Wood pulp	Th.lb. 2,094	316
Cellulose wadding	Th.cwt. 198.8	571
Sizing materials	54.0	347
Bleaching materials	392.8	588
Dyes and dyestuffs	..	162
Bobbins, cones, tubes, pirns, beams, etc.	73.2	74
Of paper or cardboard	..	30
Other	..	128
Of paper or cardboard	..	63
Other	..	113

TABLE 9 (contd.)

	Quantity	Cost
		£'000
Materials (contd.)		
Shuttles	..	259
Reeds and healds	..	702
Other replacement parts for firms' own plant, machinery and vehicles, and other accessories and consumable tools bought as replacement	..	2,047
Packing materials (other than bobbins, cones, tubes, etc.)		
Paper and paperboard, including fibreboard	..	489
Cardboard boxes, cartons, fibreboard packing cases, etc.	..	434
Timber, and wooden packing cases	Th.cu.ft. 6.3	3
Jute piece goods, including hessian	..	12
Other packing materials	Th.cwt. 3.9	39
All other purchased materials	..	21
Fuel and electricity	..	114
Coal	Th.tons 439.4	1,518
Coke	6.7	31
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	621	129
Other	272	16
For burning in furnaces, boilers, kilns, etc.	1,878	78
Gas purchased	Th.therms 425	34
Electricity purchased (a)	Th.kWh. ..	11
From Electricity Boards	148,691	883
From other sources, including other departments of the same firms	..	138
All other purchased fuel	4,236	23
Total cost	..	5
		32
		163,357

(a) The total quantity of electricity generated in firms' own establishments in this industry in 1954 was 31,595 Th.kWh.

COTTON WEAVING

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	111,222	97,339
Administrative, technical and clerical employees	6,526	6,783
Total	117,748	104,122
	£'000	£'000
Wages and salaries paid to		
Operatives	31,752	32,020
Administrative, technical and clerical employees	4,430	4,666
Total	36,181	36,686
	£	£
Wages and salaries per head		
Operatives	285	329
Administrative, technical and clerical employees	679	688
		£'000
Superannuation and other pension funds for employees and dependents		
Employers' contributions	..	260
		Number
Employees covered	..	8,481
		£'000
Pension, etc. payments to former employees and dependents	..	38

(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		
Males	39	19
Females	912	687
Total	951	706
Other workers		
Males	118	273
Females	88	344
Total	206	617
Total excluded employees	1,157	1,323

Outworkers. The firms in this industry employed 1 male and 22 female outworkers in 1951, and 2 male and 13 female outworkers in 1954, the amounts paid to them being £3,000 and £2,000 respectively.

Employment in a specified week (a)

Larger establishments in the United Kingdom

TABLE 11

	1951			1954		
	Males	Females	Total	Males	Females	Total
Working proprietors	33	2	35	20	3	23
Operatives	36,559	75,431	111,990	32,149	65,106	97,255
Administrative, technical and clerical employees	4,200	2,403	6,603	4,236	2,488	6,724
Total employees	40,759	77,834	118,593	36,385	67,594	103,979

(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. 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 Malting
- 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

© *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. 51-341-6-2