



BOARD OF TRADE

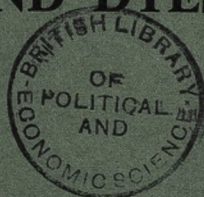
S
H2
[HA 251]

THE REPORT
on the
CENSUS OF PRODUCTION
FOR 1951

Volume 2

Trade B

DYES AND DYESTUFFS



*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

1955

Price 1s 6d net

S
#2
[HA 251]

LIST OF TABLES

Table No.	Title	Page
1	Summary: Larger establishments	2/B/2
2	Summary: Small firms	2/B/3
3	Estimated average employment: All firms	2/B/3
4	Analysis by size, 1951: Larger establishments in the United Kingdom	2/B/3
5	Analysis by standard region, 1951: Larger establishments in the United Kingdom	2/B/4
6	Analysis according to specialisation within the trade, 1951: Larger establishments in the United Kingdom	2/B/4
7	Total make of intermediate products: Larger establishments	*
8 or 8(i)	Sales of the principal products of the trade, including sales of these products by establishments classified to other trades: Larger establishments	2/B/5
8(ii)	Total sales by small firms in Great Britain	*
9	Sales of principal products of the trade by establishments classified to other trades: Larger establishments	2/B/6
10	Sales in the trade of other than principal products: Larger establishments	2/B/6
11	Production, exports and imports of certain principal products	2/B/6
12	Usage of certain specified purchased materials, 1951: Larger establishments in the United Kingdom	2/B/7
13	Employment in September: Larger establishments	2/B/7
14	Average employment: Larger establishments	2/B/8
15	Shift working, 1951: Larger establishments in Great Britain	2/B/8
16	Wages and salaries and employers' National Insurance contributions paid during the year: Larger establishments	2/B/9
17	Plant, machinery and vehicles - acquisitions and disposals, and capital expenditure on new building work: Larger establishments	2/B/9
<u>Country tables, 1951</u>		
18	Summary: Larger establishments	2/B/10
19	Summary: Small firms in Great Britain	2/B/10
20 or 20(i)	Sales in the trade: Larger establishments	2/B/10
20(ii)	Sales in the trade: Small firms	*
21	Stocks of products on hand for sale and work in progress, and stocks of materials and fuel: Larger establishments	2/B/11
22	Employment in September: Larger establishments	2/B/11
23 or 23(i)	Average employment: Larger establishments	2/B/11
23(ii)	Average employment: Small firms	*
24	Wages and salaries and employers' National Insurance contributions paid during the year: Larger establishments	2/B/11
25	Plant, machinery and vehicles - acquisitions and disposals, and capital expenditure on new building work: Larger establishments	2/B/11
26	Payments for transport services for finished goods sold and materials and fuel purchased: Larger establishments	2/B/12

* Not applicable to this trade

DYES AND DYESTUFFS TRADE

THIS REPORT on the Dyes and Dyestuffs Trade relates to establishments engaged wholly or mainly in the manufacture of dyestuffs and dye intermediates, aniline dyes, coal-tar dyes, vegetable dyes, and tanning extracts.

This trade corresponds to minimum list heading 31(1) in the Standard Industrial Classification.

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

IMPORTANT NOTES and definitions appear on the inside of the back cover of this report. In interpreting the data in the following tables, it is essential to bear these in mind.

CHEMICALS AND ALLIED TRADES
DYES AND DYESTUFFS TRADE

Summary
Larger establishments (a)

TABLE 1

	Great Britain						
	1951	1950	1949	1948	1946	1937	1935
Gross output (production) (b)	£'000	£'000	£'000	£'000	£'000	£'000	£'000
Customs and Excise drawback in respect of goods exported	55,942	44,999	37,039	38,028	23,105	8,848	8,110
Cost of materials and fuel used (c)	31,073	24,692	20,656	19,941	12,140	4,577	4,147
Payment for work done on materials given out	129	94	292	364	127	-	-
Transport payments (d)	910	..	..	..	..	..	..
Net output	23,832	20,221	16,095	17,725	10,838	4,271	3,963
Wages and salaries of persons employed	10,428	8,355	7,539	7,367	4,439	..	..
Average number of persons employed (e)	No.	No.	No.	No.	No.	No.	No.
	20,703	18,861	18,009	17,263	12,991	8,797	8,174
Net output per person employed (e)	£	£	£	£	£	£	£
	1,151	1,072	894	1,027	834	485	485
Stocks at end of year	£'000	£'000	£'000	£'000	£'000	£'000	£'000
Products on hand for sale and work in progress	9,667	7,386	6,848	6,471	5,645	..	..
Materials and fuel	6,470	3,979	3,655	3,639	2,076	..	..
Number of establishments	No.	No.	No.	No.	No.	No.	No.
	36	38	39	39	..	..	35

The values of gross output and of materials and fuel used are derived in the following way:-

	£'000	£'000	£'000	£'000	£'000	£'000	£'000
Output of firms in this trade (f)							
Principal products (g)	33,707	44,714	37,152	27,474	22,505	7,718	7,191
Other output (h)	19,953			9,842		1,130	919
Changes in stocks and work in progress (i)	+2,283	+ 647	+ 212	+ 954	+ 816		
Less payment for transport outwards (d)	55,942	45,362	37,364	38,271	23,321	8,848	8,110
Gross output (production)	..	363	325	242	216		
Materials and fuel used by firms in this trade	31,073	24,692	20,656	19,941	12,140	4,577	4,147
Purchases	33,168	25,015	20,448	20,300	12,310	4,577	4,147
Changes in stocks (i)	- 2,094	- 323	+ 207	- 358	- 170		
Materials and fuel used	31,073	24,692	20,656	19,941	12,140	4,577	4,147

- (a) For small firms' summary see Table 2.
 (b) Gross output for 1951 includes payments to other firms and undertakings and to firms' own separate transport organisations for transport services. For other years payments for transport services outwards on finished goods sold are excluded.
 (c) Amounts paid for delivery services are excluded for 1951 but included for other years.
 (d) Payments to other firms and undertakings and to firms' own separate transport organisations. For 1951 they cover payments for transport of both goods sold and materials and fuel purchased. For other years payments cover only transport outwards of finished goods sold.
 (e) Excluding outworkers but including working proprietors. For an estimate of the total numbers of persons employed in this trade see Table 3.
 (f) Total value of sales (1951, 1950, 1949, 1948 and 1946) or production for sale (1937 and 1935).
 (g) For details for 1951 and 1948 see Table 8.
 (h) For details for 1951 and 1948 see Table 10.
 (i) For details for 1951 see Table 21.

Summary

Small firms (a)

TABLE 2

	Great Britain		United Kingdom	Great Britain	
	1951	1950	1949	1949	1948
Number of returns	22	21	22	21	19
Average number of persons employed (b)					
Males	107	105	120	118	86
Females	17	15	24	21	17
Total	124	120	144	139	103

- (a) Small firms (employing on the average ten or fewer persons) that made satisfactory returns. No information about small firms was collected in Northern Ireland for 1950 and 1951.
 (b) Including working proprietors.

Estimated average employment (a)

All firms

TABLE 3

	United Kingdom			Great Britain	
	1951	1950	1949	1949	1948
As returned by firms					
Employing on the average more than ten persons (b)	20,703	18,861	18,009	18,009	17,263
Employing on the average ten or fewer persons (c)	124(d)	120(d)	144	139	103
Estimated average employment in firms not making satisfactory returns	20,827	18,981	18,153	18,148	17,366
Estimated average employment in all firms	-	-	7	7	5
	20,827(d)	18,981(d)	18,160	18,155	17,371

- (a) Including working proprietors.
 (b) See Tables 13(iv) and 14.
 (c) See Table 2.
 (d) Excluding any small firms in Northern Ireland.

Analysis by size, 1951

Larger establishments in Great Britain

TABLE 4

Average number employed	Establishments	Gross output	Net output	Persons employed	Remuneration			Net output per person employed
					Operatives	Other employees (a)	Total	
	No.	£'000	£'000	No.	£'000	£'000	£'000	£
11 - 24	8	418	145	125	21	34	54	1,163
25 - 49	7	1,082	316	237	58	54	112	1,332
50 - 99	4	1,471	407	307	82	40	121	1,324
100 - 399	10	5,979	2,127	1,730	419	336	755	1,230
400 and over	7	46,993	20,837	18,304	5,147	4,238	9,385	1,138
Total	36	55,942	23,832	20,703	5,727	4,702	10,428	1,151

- (a) Administrative, technical and clerical employees.

Analysis by standard region, 1951

Larger establishments in Great Britain

TABLE 5

Region	Estab- lish- ments	Gross output	Net output		Persons employed	Remuneration			Net output per person employed
			Value	Percent- age of total		Operatives	Other employees (a)	Total	
England and Scotland	No.	£'000	£'000		No.	£'000	£'000	£'000	£
East and West Ridings	18	23,842	10,029	42.1	8,953	2,492	2,031	4,523	1,120
Northern: London and South Eastern: North Western: and Scotland	18	32,100	13,803	57.9	11,750	3,235	2,670	5,905	1,175
North Midland; Eastern; Southern: South Western: and Midland	-	-	-	-	-	-	-	-	-
Wales	-	-	-	-	-	-	-	-	-
Great Britain	36	55,942	23,832	100.0	20,703	5,727	4,702	10,428	1,151

(a) Administrative, technical and clerical employees.

TABLE 6 - Analysis according to specialisation within the trade, 1951

Larger establishments in Great Britain

No specialisation within this trade was distinguished.

TABLE 7 - Total make of intermediate products: Larger establishments in Great Britain

This table is not applicable to the trade.

Sales of the principal products of the trade, including sales of these
products by establishments classified to other trades

Larger establishments in Great Britain

TABLE 8

	1951			1948	
	Quantity	Value	Entries	Quantity	Value
	Th. cwts.	£'000	No.	Th. cwts.	£'000
Dye intermediates	888.1	8,349	23	890.0	5,673
Finished dyestuffs obtained from coal tar					
Direct	155.8	3,728	16	127.8	2,717
Acid wool	131.6	3,779	16	148.9	3,881
Chrome and mordant (including alizarine)	60.2	1,334	12	82.7	1,577
Basic	61.3	2,288	10	42.6	1,486
Sulphur	106.8	963	6	134.4	1,066
Vat	136.8	4,956	6	100.7	3,449
Oil, spirit and wax (excluding pigment dyestuffs) (a)	24.6	652	11	23.3	481
For acetate silk	27.2	641	6	26.4	417
Other	154.7	3,707	11	168.2	3,343
Total finished dyestuffs (excluding pigment dyestuffs) obtained from coal tar	859.0	22,048	..	855.0	18,416
Purchased dyestuffs blended (excluding household dyes)	29.2	1,019	13	29.9	897
Household dyes	14.1	481	9	32.5	584(b)
Myrobalam extract	173.5	347	6	280.0	348
Extracts for tanning (solid or liquid) not elsewhere specified					
Quebracho	196.2	551	6	184.8	329
Other descriptions	883.3	1,994	7	1,230.1	1,863
Other dyestuffs, including extracts for dyeing not elsewhere specified	..	104	8	22.8	142
Waste products	..	249	11	..	78
Work done for the trade or on commission (c)		57	..		593
Total		35,199	..		28,923
Sales in other trades (see Table 9)		1,493	..		1,449
Principal products of this trade sold by establishments in the trade		33,707	34		27,474

(a) For pigment dyestuffs, see the Chemicals (General) Trade (Volume 2, Trade E).

(b) So far as recorded separately.

(c) Amount charged.

Sales of principal products of the trade by establishments
classified to other trades
Larger establishments in Great Britain

TABLE 9

	1951			1948	
	Quantity	Value	Entries	Quantity	Value
	Th. cwts.	£'000	No.	Th. cwts.	£'000
Dye intermediates	228.4	1,218	11	279.0	887
Purchased dyestuffs blended and household dyes	3.7	94	6	7.7	119
Finished dyestuffs (excluding pigment dyestuffs) obtained from coal tar	6.8	170	..	24.7	338(a)
Other dyestuffs	..	10	..		
Work done for the trade or on commission		-	-		105(b)
Total		1,493	..		1,449

(a) Including extracts for dyeing and tanning.
(b) Amount charged.

Sales in the trade of other than principal products
Larger establishments in Great Britain

TABLE 10

	1951		1948	
	Quantity	Value	Quantity	Value
	Th. cwts.	£'000	Th. cwts.	£'000
Disinfectants, insecticides, weed-killers, etc.	47.9	504	..	233
Synthetic organic chemicals for tanners' use, excluding dyes	534.7	1,247	..	190
Other chemical manufactures	..	8,117	..	6,276
Other goods	..	9,835	..	3,055
Work done (a)		248		88
Total		19,953		9,842

(a) Amount charged.

Production, exports and imports of certain principal products (a)

TABLE 11

		Production (b)(c)	Exports	Retained imports
		Th. cwts.	Th. cwts.	Th. cwts.
Dye intermediates	1951	888.1	67.0	38.4
	1948	890.0	49.6	10.1
	1937	421.8	20.0	14.3
Finished dyestuffs obtained from coal tar (except pigment dyestuffs)	1951	859.0	244.8	28.9
	1948	855.0	215.2	11.6
	1937	613.9	114.6	46.9
Extracts for tanning (solid or liquid)				
	1951	196.2	35.8	497.1
	1948	184.8	26.0	234.2
Quebracho	1937	264.9	58.1	398.8
Myrobalam	1951	173.5	..	55.9
	1948	280.0	..	12.8
Other descriptions	1951	883.3	..	1,112.6
	1948	1,230.1	..	1,110.6
Total extracts for tanning	1951	1,252.9	110.6	1,665.6
	1948	1,694.9	86.7	1,357.7
	1937	1,293.0	264.3	1,338.9

(a) Figures of production (or sales) refer only to larger establishments. All recorded exports from and imports into the United Kingdom are given in the table. The figures, therefore, are not strictly comparable.
(b) Sales in 1951 and 1948, and production for sale in 1937.
(c) Including production (or sales) by establishments classified to other trades.

(83995)

TABLE 12 - Usage of certain specified purchased materials, 1951
Larger establishments in Great Britain

No information on usage of materials was required from this trade.

Employment in September

TABLE 13

Larger establishments (a)

	Great Britain					
	Number					
	1951(b)	1950(b)	1949(b)	1948(c)	1937(c)	1935(c)
(i) Operatives						
Males						
Under 18	187	193	201	583	173	178
All ages	11,801	10,777	10,397	10,049	5,609	5,249
Females						
Under 18	65	83	89	181	36	52
All ages	1,362	1,149	1,194	1,053	180	228
Total						
Under 18	252	276	290	764	209	230
All ages	13,163	11,926	11,591	11,102	5,789	5,477

(ii) Administrative, technical and clerical employees (d)

	Great Britain					
	Number					
	1951	1950	1949	1948	1937	1935
Males						
Under 18	146	129	161	172	117	108
All ages	5,127	4,723	4,171	4,101	2,228	2,037
Females						
Under 18	482	451	365	349	134	60
All ages	2,818	2,444	2,191	2,058	780	660
Total						
Under 18	628	580	526	521	251	168
All ages	7,945(e)	7,167(e)	6,362(e)	6,159(e)	3,008	2,697

(iii) Total employees

	Great Britain					
	Number					
	1951	1950	1949	1948	1937	1935
Males						
Under 18	333	322	362	755	290	286
All ages	16,928	15,500	14,568	14,150	7,837	7,286
Females						
Under 18	547	534	454	530	170	112
All ages	4,180	3,593	3,385	3,111	960	888
Total						
Under 18	880	856	816	1,285	460	398
All ages	21,108(e)	19,093(e)	17,953(e)	17,261(e)	8,797	8,174

(a) Excluded employees. The following persons were employed at the larger establishments in this trade in 1951 but are not included in the above tables or in any other Census of Production report (e.g., employees engaged in merchanting):-

Canteen workers 22 Males 366 Females
Other workers 300 Males 237 Females

(b) In week ended September 22, 1951, September 30, 1950, and September 24, 1949.

(c) Average for the year.

(d) In week ended September 22, 1951, September 30, 1950, September 24, 1949, September 25, 1948, October 16, 1937 and October 12, 1935.

(e) Working proprietors. In addition working proprietors, shown in Table 13 (iv) below, were engaged in this trade in larger establishments. The 1937 and 1935 figures include working proprietors.

(iv) Working proprietors

	Great Britain			
	Number			
	1951	1950	1949	1948
Males	-	-	-	1
Females	-	-	-	1
Total	-	-	-	2

(83995)

Average employment
Larger establishments (a)

	Great Britain						Number
	1951	1950	1949	1948	1937	1935	
Operatives	12,987	11,788	11,636	11,102	5,789	5,477	
Administrative, technical and clerical employees	7,716	7,073	6,373	6,159(b)	3,008(b)	2,697(b)	
Total	20,703	18,861	18,009	17,261	8,797	8,174	

(a) For employment in small firms (employing on the average ten or fewer persons) that made satisfactory returns, see Table 2.
(b) In week ended September 25, 1948, October 16, 1937, and October 12, 1935. The 1937 and 1935 figures include working proprietors.
Outworkers. In addition to the employees shown above the firms in this trade employed two female outworkers in 1949. No outworkers were recorded for any other year.

Shift working, 1951 (a)
Larger establishments in Great Britain

	Total number of man-shifts worked in the week	Total number of shift-hours worked in the week	Number of returns showing the systems stated
Continuous 3 shift systems per 24 hours averaging 8 hours per shift	20,988	168,167	11
Continuous 4 shift systems per 24 hours averaging 6 hours per shift	-	-	-
All 2 shift systems	3,171	37,846	8
Other shift systems	-	-	-
Total	24,159	206,013	(b)

(a) Shift working during week ended September 22, 1951.
(b) The number and percentage of returns showing shift working and of operatives on shift-work were as follows:-

	Returns		Operatives		
	Total in trade	Showing shift-work	Total in trade	Total on returns showing shift-work	Number employed on shift-work
Number	34	16	13,163	11,501	3,644
Percentage of total in trade	100.0	47.1	100.0	87.4	27.7
Percentage of total on returns showing shift-work				100.0	31.7

Wages and salaries and employers' National Insurance contributions paid during the year

	Great Britain				£'000
	1951	1950	1949	1948	
Wages and salaries (a) of					
Operatives	5,727	4,529	4,124	4,166	
Administrative, technical and clerical employees	4,702	3,826	3,415	3,200	
Total	10,428	8,355	7,539	7,367	
Employers' contributions to all National Insurance Schemes	206	182	186	146	

(a) Including bonus and commission payments but excluding payments to outworkers. Payments to outworkers in 1949 amounted to less than £500. No outworkers were recorded for any other year.

Plant, machinery and vehicles - acquisitions and disposals, and capital expenditure on new building work

	Great Britain			£'000
	1951	1949	1948	
Plant, machinery and vehicles				
Acquisitions				
Plant and machinery				
New	3,663	2,235	1,503	
Second-hand	12	2	131	
Vehicles				
New	57	58	57	
Second-hand	17	8	5	
Total acquisitions	3,749	2,302	1,696	
Disposals				
Plant and machinery	15	64	6	
Vehicles	20	10	8	
Total disposals	35	74	14	
New building work				
Capital expenditure on new building and other constructional work of a capital nature (excluding site values and development charges)	880	609	552	

CHEMICALS AND ALLIED TRADES COUNTRY TABLES
DYES AND DYESTUFFS TRADE
1951

Note - There were no establishments in Wales in the register for this trade and, owing to the risk of disclosure of information relating to individual firms, separate particulars for larger establishments in Scotland cannot be given.

TABLE 18 - Summary: Larger establishments

See Table 1.

TABLE 19 - Summary: Small firms.

See Table 2. There were no small firms in Wales or Scotland in the register for this trade.

Sales in the trade
Larger establishments

TABLE 20

	Great Britain	
	Quantity	Value
	Th. cwts.	£'000
Principal products		
Dye intermediates	659.7	7.131
Finished dyestuffs (excluding pigment dyestuffs) obtained from coal tar	852.6	21.878
Purchased dyestuffs blended and household dyes	39.6	1.406
Myrobalan extract	173.5	347
Extracts for tanning (solid or liquid) not elsewhere specified		
Quebracho	196.2	551
Other descriptions	883.3	1,994
Other dyestuffs, including extracts for dyeing not elsewhere specified	..	93
Waste products	..	249
Work done for the trade or on commission		57 (a)
Total principal products		33,707
Other output		
Disinfectants, insecticides, weed-killers, etc.	47.9	504
Synthetic organic chemicals for tanners' use, excluding dyes	534.7	1,247
Other chemical manufactures	..	8,117
Other goods	..	9,835
Work done		248 (a)
Total		53,660

(a) Amount charged.

Stocks of products on hand for sale and work in progress,
and stocks of materials and fuel

Larger establishments

TABLE 21

		Great Britain
Products on hand for sale	{ at beginning of year	£'000
	{ at end of year	6,879
Work in progress	{ at beginning of year	505
	{ at end of year	541
Total products on hand for sale and work in progress	{ at beginning of year	7,384
	{ at end of year	9,667
Materials and fuel	{ at beginning of year	4,376
	{ at end of year	6,470

TABLE 22 - Employment in September: Larger establishments

See Table 13.

TABLE 23 - Average employment: Larger establishments

See Table 14.

TABLE 24 - Wages and salaries and employers' National Insurance contributions paid during the year: Larger establishments

See Table 16.

Plant, machinery and vehicles - acquisitions and disposals,
and capital expenditure on new building work

Larger establishments

TABLE 25

	£'000		
	England and Wales	Scotland	Great Britain
Plant, machinery and vehicles			
Acquisitions			
Plant and machinery			
New	(a)	(a)	3,663
Second-hand	12	-	12
Vehicles			
New	(a)	(a)	57
Second-hand	17	-	17
Total acquisitions	(a)	(a)	3,749
Disposals			
Plant and machinery	15	-	15
Vehicles	20	-	20
Total disposals	35	-	35
New building work			
Capital expenditure on new building and other constructional work of a capital nature (excluding site values and development charges)	(a)	(a)	880

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

Payments for transport services for finished goods
sold and materials and fuel purchased

Larger establishments

TABLE 26

	Great Britain
	£'000
Amounts paid to other firms and undertakings	868
Amount paid or credited to firms' own separate transport organisations	42
Total	910

GENERAL NOTES

The following brief notes refer to Great Britain and, unless otherwise stated, to the census of production for 1951. Reference should be made to the separate booklet in this series entitled 'The Report on the Census of Production for 1951: Introductory Notes' (price 1s.6d. net) for particulars of the minor differences in the Northern Ireland censuses and other details about the census of production.

Trade classification: Establishments are classified to trades according to the nature of their output. Certain products, called principal products, are identified as characteristic of the production of individual trades, the principal products for a given trade being of a similar nature or commonly associated in production. An establishment is classified to a trade if its output of principal products of that trade accounted for a greater proportion of the value of its output than did its output of principal products of any other trade.

The establishment: The basic unit for the collection of information is generally the establishment which in most cases comprises the whole of the premises under the same ownership or management at a particular address (e.g., a factory). Offices, warehouses and other ancillary places of business situated apart from the producing works are included in the return for the works.

Larger establishments and small firms: Larger establishments are those which employed more than 10 persons on the average during the year; small firms are those employing on the average 10 or fewer persons.

Working proprietors are proprietors of businesses other than limited companies, and include members of their families who work in the business without receiving fixed wages or salaries. Any persons working less than half the normal hours are excluded.

Persons employed: Administrative employees include directors other than those paid by fee only, managers, superintendents and works foremen; research, experimental, development, technical and design employees (other than operatives); draughtsmen and tracers; and travellers and office (including works office) employees. Operatives include all other classes of employees, that is, broadly speaking, all manual workers.

All these figures exclude canteen employees and persons engaged in merchandising or any other activity not covered by a firm's return who are shown separately as excluded employees.

Figures for employees include only persons on the pay-roll (that is whose National Insurance cards were held by the firm), whether full-time or part-time employees.

Outworkers, who are shown separately, are persons employed by the firm who work on materials supplied by the firm, but do not work on the premises; operatives directly employed who work out of doors (e.g., maintenance workers) and sub-contractors are not included as outworkers.

Wages and salaries include all overtime payments, bonuses, and commissions, without any deduction for income tax, insurance, contributory pensions, etc. They exclude payments to working proprietors.

Capital expenditure: Expenditure on plant, machinery and vehicles relates to expenditure charged to capital account during the year of return, including transport and installation costs involved. Expenditure on new building work is similarly that charged to capital account during the year.

Materials and fuel: The cost of materials and fuel purchased includes all purchases during the year of materials for use in production and of fuel (including oil, gas, and electricity for all purposes, including heating and lighting); all packing materials, including the full cost of returnable containers when first purchased; workshop materials; office materials; water charges; materials for repairs to firms' own buildings, plant and vehicles when carried out by

their own work people included in the return; and consumable tools and parts for machinery purchased as replacement. Materials, components, etc. which were purchased and re-sold in the same state (that is, merchanted or factored goods) were excluded. For 1951 firms in many trades were required to state the quantities of certain purchased materials used.

Stocks and work in progress: Firms were instructed to give these at income tax value.

Output: 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. For all post-war censuses the value of sales was the net selling value, that is, 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.

Gross output of a trade is the total value of goods made and other work done during the year; this means the value of sales and work done during the year adjusted for changes in the values of stocks.

Net output is the amount left after deducting from the value of gross output the aggregate of the cost of materials and fuel used and the amount paid for work given out and, for 1951, any transport payments included in firms' returns. 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.

Customs and Excise Duty paid on materials purchased is included in the cost of materials, but where it is especially important separate figures are shown.

Later reports: Reports will be published later summarising the main census results and giving information about power equipment and fuel consumption.

Disclosure of information: The report has been prepared in conformity with the disclosure provisions of the Statistics of Trade Act, 1947. Figures have been combined with others of a similar nature in certain cases where publication of separate details might disclose the operations of an individual firm.

Symbols used: '.' for 'Not available', '-' for 'Nil or negligible (less than half the final digit shown)'

The figures in the tables have been rounded off to the nearest final digit, and there may be an apparent slight discrepancy between the sums of the constituent items and the totals shown.

Tables 1 to 17 show figures for the United Kingdom (or Great Britain)

Tables 18 to 26 are country tables and give, where practicable, separate details for England and Wales, Scotland and Northern Ireland.

Table 6: Specialist producers refer to those establishments 50 per cent. or more of whose total output by value is accounted for by the groups of products specified.

Table 8 (or 8(i)) shows the total sales of principal products of the trade, and includes therefore the sales of these products returned by establishments whether classified to the trade or to other trades. Those produced by establishments in other trades are shown in Table 9.

Table 10 shows the sales by establishments in the trade of products other than those regarded as principal products of the trade.

Table 20 (or 20(i)) shows sales by establishments in the trade of products, whether principal products or not, and broadly the aggregates here are equal to the corresponding figures in Table 8 (or 8(i)) less those in Table 9, plus those in Table 10.

CROWN COPYRIGHT RESERVED

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

P.O. Box 569, LONDON, S.E.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 from any Bookseller

1955

Price 1s 6d net

PRINTED IN GREAT BRITAIN

S.O. Code No. 51-328-2-2