

42
[HA 251]



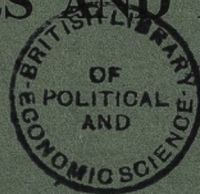
BOARD OF TRADE

THE REPORT
on the
CENSUS OF PRODUCTION
FOR 1951

Volume 2

Trade H

EXPLOSIVES AND FIREWORKS



*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

42
[HA 251]

LIST OF TABLES

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

* Not applicable to this trade

EXPLOSIVES AND FIREWORKS TRADE

THIS REPORT on the Explosives and Fireworks Trade relates to establishments engaged wholly or mainly in the manufacture of explosives, fireworks, detonators, fuses, percussion caps, flares, signal rockets, small arms ammunition, etc., and in filling bombs, cartridges and shells.

Sixteen Government establishments are included for 1951, twelve for 1950, thirteen for 1949 and 1948 and ten for 1935. Production by Government Departments was not recorded for 1937.

This trade corresponds to minimum list heading 33 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
EXPLOSIVES AND FIREWORKS TRADE

Summary

Larger establishments (a)

TABLE 1

	Great Britain					
	1951	1950	1949	1948	1937 (b)	1935
	£'000	£'000	£'000	£'000	£'000	£'000
Gross output (production) (c)	32,025	21,817	18,811	18,569	7,589	7,128
Cost of materials and fuel used (d)	16,612	10,181	8,379	7,497	3,302	3,420
Payment for work done on materials given out	16	47	9	2	17	8
Transport payments (e)	689	..	..	..	..	..
Net output	14,709	11,589	10,423	11,071	4,270	3,700
Wages and salaries of persons employed	11,421	8,262	7,770	7,841	..	..
	No.	No.	No.	No.	No.	No.
Average number of persons employed (f)	30,519	24,812	24,318	24,911	12,736	12,628
	£	£	£	£	£	£
Net output per person employed (f)	482	467	429	444	335	293
	£'000	£'000	£'000	£'000	£'000	£'000
Stocks at end of year						
Products on hand for sale and work in progress	4,072	2,634	2,481	2,426	..	..
Materials and fuel	6,956	4,035	3,578	3,820	..	..
	No.	No.	No.	No.	No.	No.
Number of establishments	59	53	50	49	..	53

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

	£'000	£'000	£'000	£'000	£'000	£'000
Output of firms in this trade (g)						
Principal products (h)	27,074	22,321	19,259	16,985	6,574	6,441
Other output	3,700					
Changes in stocks and work in progress (i)	+ 1,251	+ 148	+ 51	+ 88		
	32,025	22,468	19,310	18,989	7,589	7,128
Less payment for transport outwards (e)	..	651	499	420		
Gross output (production)	32,025	21,817	18,811	18,569	7,589	7,128
Materials and fuel used by firms in this trade						
Purchases	18,787	10,166	8,093	7,816	3,302	3,420
Changes in stocks (i)	- 2,176	+ 15	+ 285	- 319		
Materials and fuel used	16,612	10,181	8,379	7,497	3,302	3,420

- (a) For small firms' summary see Table 2.
 (b) Excluding Government establishments, production by which was not recorded for this year.
 (c) 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.
 (d) Amounts paid for delivery services are excluded for 1951 but included for other years.
 (e) 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.
 (f) Excluding outworkers but including working proprietors. For an estimate of the total numbers of persons employed in this trade see Table 3.
 (g) Total value of sales (1951, 1950, 1949 and 1948) or production for sale (1937 and 1935).
 (h) For details for 1951 and 1948 see Table 8.
 (i) For details for 1951 see Table 21.

Summary
Small firms (a)

TABLE 2

	Great Britain			
	1951	1950	1949	1948
Number of returns	8	8	6	6
Average number of persons employed (b)				
Males	22	24	18	24
Females	19	19	19	12
Total	41	43	37	36

(a) Small firms (employing on the average ten or fewer persons) that made satisfactory returns.

(b) Including working proprietors.

Estimated average employment (a)

All firms

TABLE 3

	Great Britain			
	1951	1950	1949	1948
As returned by firms				
Employing on the average more than ten persons (b)	30,519	24,812	24,318	24,911
Employing on the average ten or fewer persons (c)	41	43	37	36
	30,560	24,855	24,355	24,947
Estimated average employment in firms not making satisfactory returns	5	-	6	-
Estimated average employment in all firms	30,565	24,855	24,361	24,947

(a) Including working proprietors.

(b) See Tables 13(iv) and 14.

(c) See Table 2.

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	4	69	30	65	11	4	15	464
25 - 49	4	110	59	141	26	5	30	418
50 - 99	12	1,031	468	852	176	54	230	550
100 - 199	17	2,952	1,424	2,514	630	143	773	566
200 - 299	6	1,710	812	1,559	388	114	501	521
300 and over	16	26,154	11,915	25,388	7,560	2,312	9,872	469
Total	59	32,025	14,709	30,519	8,790	2,631	11,421	482

(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	
	No.	£'000	£'000		No.	£'000	£'000	£'000	£
North Midland	4	581	250	1.7	466	90	38	128	536
Eastern	5	773	404	2.8	649	160	33	193	622
London and South Eastern	6	1,521	740	5.0	1,401	384	79	463	528
Southern; and South Western	5	2,090	744	5.1	1,645	422	121	543	452
North Western	7	2,835	1,734	11.8	4,274	1,286	288	1,574	406
Northern; East and West Ridings; Midland; Wales; and Scotland	32	24,226	10,837	73.7	22,084	6,448	2,072	8,520	491
Great Britain	59	32,025	14,709	100.0	30,519	8,790	2,631	11,421	482

(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
	Million	£'000	No.	Million	£'000
Live small arms ammunition, including military and sporting ammunition					
Loaded cartridges	426.8	3,673	11	100.3	1,271
Other (including shot)	Th.cwts. 2.9	25	..	Th.cwts. 6.3	37
Safety fuse	57,052	2,622	..	133.9	1,436
Electric detonators and fuses	Th.cwts. 39.3	2,106	8	27.5	1,371
Detonators, other than electric, including railway fog signals	..	647	..	7.2	472
Other fuses, tubes and primers, etc. except shell fuses	..	69	..	13.7	310
Other accessories (including cables and parts of fuses and of blasting accessories)	29.0	921	5	17.3	670
Fireworks					
For amusement and display purposes	..	1,663	17	..	1,016
Other, including signal rockets, line carrying rockets, etc.	..	481	14	..	885
Propellant powders of all types	111.7	2,302	6	17.0	885
High explosives					
Blasting powder	82.2	582	..	106.4	662
Other sorts of high explosives	1,090.5	8,198	8	759.2	5,175
Explosives, not elsewhere specified	..	188	..	..	237
Ammunition, not elsewhere specified	..	2,868	..	228.7	372
Waste products	..	111	14	..	78
Repair and maintenance work on ammunition (b)	..	2,667	6	..	1,252
Work done for the trade or on commission (b)	..	1,252	10	..	3,094
Total		30,630	..		19,019
Sales in other trades		3,556	..		2,034
Principal products of this trade sold by establishments in the trade		27,074	53		16,985

(a) Excluding scrap metal, which is included in the 1951 figure.

(b) Amount charged.

TABLE 9 - Sales of principal products of the trade by establishments classified to other trades: Larger establishments in Great Britain

The total values of the sales of principal products of the trade by establishments classified to other trades were £3,556,000 in 1951 and £2,034,000 in 1948. Owing to the risk of disclosure of information relating to individual firms, details cannot be given.

TABLE 10 - Sales in the trade of other than principal products
Larger establishments in Great Britain

The total values of the sales in the trade of other than principal products were £3,700,000 in 1951 and £1,916,000 in 1948. Owing to the risk of disclosure of information relating to individual firms, details cannot be given.

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

TABLE 11

		Production (b)(c)	Exports (d)	Retained imports (e)
		£'000	£'000	£'000
Live small arms ammunition, including military and sporting ammunition				
Loaded cartridges	{ 1951 1948 1937	3,673 1,861 1,121	1,243 3,512 470	27(f) (g) 28
Other (including shot)	{ 1951 1948 1937	281 37 77	60 44 34	6 - 3
Fuses and blasting accessories	{ 1951 1948 1937	6,364(h) 4,347(h) 1,660(h)	3,670 2,048 740	194 3 4
Propellant powders and high explosives	{ 1951 1948 1937	Th.cwts. 1,284.3 882.6 722.5	Th.cwts. 327.9 306.2 190.9	Th.cwts. 1.0 0.1 21.4

- (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 (excluding production by Government establishments) in 1937.
 (c) Including production (or sales) by establishments classified to other trades.
 (d) Valued f.o.b.
 (e) Valued c.i.f.
 (f) Including empty cartridge cases.
 (g) Re-exports in excess of imports.
 (h) Except shell fuses.

Usage of certain specified purchased materials, 1951

Larger establishments in Great Britain

TABLE 12

Materials used	Quantity
Brass and other copper alloys, including nickel silver but excluding all other nickel alloys	Th.cwts. 9.5
Timber (other than that reclaimed) including that used for packing or packing case manufacture but excluding joinery, other fabricated woodwork and purchased packing cases	Th.cu.ft.
Hardwood	50.7
Softwood	497.1

TABLE 13
Employment in September
Larger establishments (a)
(i) Operatives

	Great Britain					
	1951(b)	1950(b)	1949(b)	1948(c)	1937(c)(d)	1935(c)
Males						
Under 18	260	303	262	287	356	307
All ages	17,170	13,735	13,720	14,583	6,211	7,103
Females						
Under 18	917	826	680	755	917	756
All ages	9,047	7,453	6,653	6,561	4,958	3,922
Total						
Under 18	1,177	1,129	942	1,042	1,273	1,063
All ages	26,217	21,188	20,373	21,144	11,169	11,025

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

	Great Britain					
	1951	1950	1949	1948	1937	1935
Males						
Under 18	27	12	20	23	48	25
All ages	3,149	2,561	2,667	2,576	1,064	1,132
Females						
Under 18	151	116	115	90	56	42
All ages	1,335	1,126	1,197	1,187	503	471
Total						
Under 18	178	128	135	113	104	67
All ages	4,484(f)	3,687(f)	3,864(f)	3,763(f)	1,567	1,603

(iii) Total employees

	Great Britain					
	1951	1950	1949	1948	1937	1935
Males						
Under 18	287	315	282	310	404	332
All ages	20,319	16,296	16,387	17,159	7,275	8,235
Females						
Under 18	1,068	942	795	845	973	798
All ages	10,382	8,579	7,850	7,748	5,461	4,393
Total						
Under 18	1,355	1,257	1,077	1,155	1,377	1,130
All ages	30,701(f)	24,875(f)	24,237(f)	24,907(f)	12,736	12,628

- (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	39	Males	558	Females
Other workers	2,698	Males	619	Females

- (b) In week ended September 22, 1951, September 30, 1950, and September 24, 1949.
 (c) Average for the year.
 (d) Excluding Government establishments.
 (e) In week ended September 22, 1951, September 30, 1950, September 24, 1949, September 25, 1948, October 16, 1937, and October 12, 1935.
 (f) 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			
	1951	1950	1949	1948
Males	2	2	1	3
Females	1	1	1	1
Total	3	3	2	4

Average employment

Larger establishments (a)

	Great Britain						Number
	1951	1950	1949	1948	1937 (b)	1935	
Operatives	26,068	21,112	20,533	21,144	11,169	11,025	
Administrative, technical and clerical employees	4,448	3,697	3,783	3,763(c)	1,567(c)	1,603(c)	
Total	30,516	24,809	24,316	24,907	12,736	12,628	

(a) For employment in small firms (employing on the average ten or fewer persons) that made satisfactory returns, see Table 2.

(b) Excluding Government establishments.

(c) 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 outworkers whose numbers are shown below.

	Great Britain					
	1951	1950	1949	1948	1937	1935
Males	3	3	2	4	..	..
Females	587	482	451	305	..	..
Total	590	485	453	309	..	..

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	24,845	198,760	14
Continuous 4 shift systems per 24 hours averaging 6 hours per shift	-	-	-
All 2 shift systems	3,346	27,692	3
Other shift systems	-	-	-
Total	28,191	226,452	(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	53	16	26,217	16,597	5,252
Percentage of total in trade	100.0	30.2	100.0	63.3	20.0
Percentage of total on returns showing shift-work				100.0	31.6

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

Larger establishments

	Great Britain				£'000
	1951	1950	1949	1948	
Wages and salaries (a) of					
Operatives	8,790	6,242	5,759	5,884	
Administrative, technical and clerical employees	2,631	2,020	2,011	1,957	
Total	11,421	8,262	7,770	7,841	
Employers' contributions to all National Insurance Schemes	301	236	218	205	

(a) Including bonus and commission payments, but excluding payments to outworkers shown below.

Great Britain				£'000
1951	1950	1949	1948	
34	31	23	18	

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

Larger establishments

	Great Britain			£'000
	1951	1949	1948	
Plant, machinery and vehicles				
Acquisitions				
Plant and machinery				
New	492	288	354	
Second-hand	149	50	118	
Vehicles				
New	82	93	51	
Second-hand	33	13	15	
Total acquisitions	756	445	538	
Disposals				
Plant and machinery				
Vehicles	157	29	97	
	29	8	8	
Total disposals	186	37	105	
New building work				
Capital expenditure on new building and other constructional work of a capital nature (excluding site values and development charges)	415	75	94	

CHEMICALS AND ALLIED TRADES COUNTRY TABLES
EXPLOSIVES AND FIREWORKS TRADE
1951

Note - Owing to the risk of disclosure of information relating to individual firms, separate particulars for larger establishments in Wales and Scotland cannot be given.

TABLE 18 - Summary: Larger establishments

See Table 1.

Summary
Small firms (a)

TABLE 19

	England	Wales	Scotland	Great Britain
Number of returns	8	-	-	8
Average number of persons employed (b)				
Males	22	-	-	22
Females	19	-	-	19
Total	41	-	-	41

(a) Small firms (employing on the average ten or fewer persons) that made satisfactory returns.
(b) Including working proprietors.

Sales in the trade
Larger establishments

TABLE 20

	Great Britain	
	Quantity	Value
Principal products	Th. coils of 24 ft.	£'000
Fuses and blasting accessories		
Safety fuse	57,052	2,622
Electric detonators and fuses	Th. cwts. 39.3	2,106
Other accessories (including cables and parts of fuses and of blasting accessories)	29.0	921
High explosives		
Blasting powders	82.2	582
Other sorts of high explosives	1,090.5	8,198
Live small arms ammunition, including military and sporting ammunition; detonators, other than electric, including railway fog signals; other fuses, tubes and primers, etc., except shell fuses; fireworks; propellant powders of all types and explosives, not elsewhere specified	..	5,747
Ammunition, not elsewhere specified	..	2,868
Waste products	..	111
Repair and maintenance work on ammunition (a)		2,667
Work done for the trade or on commission (a)		1,252
Total principal products		27,074
Other output		3,700
Total		30,774

(a) Amount charged.

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

TABLE 21

£'000

		Great Britain
Products on hand for sale	{ at beginning of year	1,686
	{ at end of year	2,339
Work in progress	{ at beginning of year	1,135
	{ at end of year	1,733
Total products on hand for sale and work in progress	{ at beginning of year	2,821
	{ at end of year	4,072
Materials and fuel	{ at beginning of year	4,780
	{ at end of year	6,956

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.

TABLE 25 - Plant, machinery and vehicles - acquisitions and disposals, and capital expenditure on new building work: Larger establishments

See Table 17.

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

Larger establishments

TABLE 26

£'000

	Great Britain
Amounts paid to other firms and undertakings	428
Amount paid or credited to firms' own separate transport organisations	261
Total	689

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 merchanting 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, merchantable 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