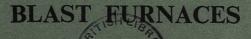


BOARD OF TRADE

THE REPORT on the CENSUS OF PRODUCTION FOR 1951

Volume 3

Trade A



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).

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BLAST FURNACES TRADE

THIS REPORT on the Blast Furnaces Trade relates to establishments engaged wholly or mainly in iron smelting and the manufacture of pig iron, ferro-manganese and spiegeleisen.

This trade corresponds to minimum list heading 40 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.

METAL MANUFACTURE BLAST FURNACES TRADE

Summary

Larger establishments

			Great 1	Britain		
	1951	1950	1949	1948	1937	1935
	£,000	£*000	£°000	£,000	£,000	£,000
Gross output (production) (a)	121.860	111,342	103,788	91,906	35,914	21.047
Cost of materials and fuel used (b)	94.563	90.761	83,916	72.878	29.129	16,964
Payment for work done on materials given out Transport payments (c)	156 6.046	113	114	70 ••	::	::
Net output Wages and salaries of persons employed	21.094 12.601	20.468 11.778	19.759 11.262	18.958 10.596	6.785	4,083
	No.	No.	No.	No.	No.	No.
Average number of persons employed	27.795	28.057	27,943	27.257	19.565	15,815
	£	£	£	£	£	£
Net output per person employed	7 59	729	707	696	347	258
	£,000	£,000	£,000	£' 000	£'000	£,000
Stocks at end of year						and the state of t
Products on hand for sale and work in progress Materials and fuel	1.842	2,599 6,140	2.383 6.671	1,302 4,925	:	
	No.	No.	No.	No.	No.	No.
Number of establishments	46	51	50	51	danske er til	48

erials and fu	el used are	derived in t	he following	way:-	
£,000	£,000	£'000	£.000	£.000	£.000
111,466 11,097	113.917	104.887 {	85.220 8.891	33.572 2.342	19,287
- 704	+ 226	+ 1,076	- 123		
121,860	114.143	105,963	93,988	05.014	21.047
	2,802	2,175	2.083	35,914	21,04/
121,860	111.342	103,788	91,906	35,914	21,047
94.949	90.207 + 553	85,668 - 1,752	73,677 - 799	29.129	16,964
	£'000 111.466 11.097 - 704 121.860 121.860	£'000 £'000 111.466 11.097 } 113.917 - 704 + 226 121.860 114.143 2.802 121.860 111.342	£'000 £'000 £'000 111.466	£'000 £'000 £'000 £'000 111.466 11.097 113.917 104.887 { 85.220 8.891	111.466 11.097 113.917 104.887 85.220 8.891 33.572 2.342 - 704 + 226 + 1.076 - 123 121.860 114.143 105.963 93.988 2.083 35.914 121.860 111.342 103.788 91.906 35.914 94.949 90.207 85.668 73.677 29.129

(a) 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.
(b) Amounts paid for delivery services are excluded for 1951 but included for other years.
(c) 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.
(d) Total value of sales (1951, 1950, 1949 and 1948) or production for sale (1937 and 1935).
(e) For details for 1951 and 1948 see Table 8.
(f) For details for 1951 and 1948 see Table 10.
(g) For details for 1951 see Table 21.

90.761

83,916

72.878

94.563

Materials and fuel used

TABLE 2 - Summary: Small firms

There were no small firms in the register for this trade.

Estimated average employment

All firms

the same of the sa	Great Britain					
	1951	1950	1949	1948		
As returned by firms						
Employing on the average more than ten persons (a) Employing on the average ten or fewer persons	27.795	28.057	27.943	27.257		
Estimated average employment in firms not making satisfactory returns		000 00000		And the second		
Average employment in all firms	27,795	28,057	27,943	27.257		

(a) See Table 14.

Analysis by size, 1951

Larger establishments in Great Britain

TABLE 4

16,964

29.129

Average					Remuneration			
number employed	Establish- ments	Gross	Net output	Persons employed	Operatives	Other employees (a)	Total	Net output per person employed
11 00	No.	£.000	£,000	No.	£.000	£,000	£.000	3 .
11 - 99 100 - 199 200 - 299	3 7	373 5.076	143 853	1.113	51 444	7 89	58 533	1.172
300 - 399	5	4.141 7.561	690 1,046	980 1,633	351 675	81 115	431 790	704 641
400 - 499 500 - 749	5 11	11.856 31,904	1.918 4.825	2,242 7,118	8 58 2.713	190 468	1,048	855 678
750 - 999 1,000 and over	7	15.725 45.224	2.419 9.200	3,158	1.201 4.236	248 874	1,449 5,110	766 805
Total	46	121.860	21,094	27.795	10,530	2,071	12.601	759

(a) Administrative, technical and clerical employees.

(83867/3)

Analysis by standard region, 1951 Larger establishments in Great Britain

TABLE 5

			Net o	utput		F	Remuneration	1	Not out-ut
Region	Estab- lish- ments	Gross	Value	Percent- age of total	Persons employed	Operatives	Other employees (a)	Total	Net output per person employed
	No.	£'000	£,000		No.	£'000	£.000	£,000	£.
England and Wales					Bank Saturd				
Northern	11	39,688	6.608	31.3	9.087	3,553	492	4,046	727
North Midland	14	38,760	7,987	37.9	9,884	3.529	921	4,450	808
East and West Ridings; London and South Eastern; North Western; and Wales	12	27.229	4.062	19.3	5.147	2.029	429	2,458	789
Midland	5	6.732	960	4.5	1,845	708	133	841	520
Eastern; Southern; and South Western		•			10.0	TALL THE ASS		name of the	
Total England and Wales	42	112.409	19.617	93.0	25,963	9,820	1,975	11.795	755
Scotland	4	9,451	1.478	7.0	1,832	710	96	806	8 06
Great Britain	46	121,860	21.094	100.0	27.795	10,530	2,071	12,601	7 59

⁽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		
Bright Str.	Quantity	Value	Entries	Quantity	Value	
	Th. tons	£,000	No.	Th. tons	£,000	
Pig iron						
Forge and foundry	1,563.3	17,087	18	1,484.7	13,83	
Hematite	1.326.6	17.091	11	1,379.3	13,87	
Basic	6.713.8	71,230	26	6,155.1	53,52	
Total pig iron	9,603.7	105,408		9,019.1	81,23	
Spiegeleisen and ferra-manganese	156.9	5, 231	8	169.6	3,59	
Direct iron castings	12.1	244	6	3.7	3	
Waste products (a)					1925	
Slag	2,214.1	665(ь)	22	2,101.1	42	
Other	369.2	242 40	} 21		5	
Total	42	111,829			85,35	
Sales in other trades (see Table 9) Principal products of this trade sold by		362	•;•	8	13	
establishments in the trade		111,466	45		85,22	
	the same of the sa	THE RESERVE OF THE PARTY OF THE	AND REAL PROPERTY.		THE RESIDENCE OF THE PARTY OF T	

 ⁽a) Waste products were treated as other than principal products in the Census of Production report for 1948 on this trade.
 (b) So far as recorded separately.

Sales of principal products of the trade by establishments classified to other trades

Larger establishments in Great Britain

TABLE 9

		1951			1948		
	Quanțity	Value	Entries	Quantity	Value		
	Th. tons	£,000	No.	Th. tons	£,000		
Spiegeleisen and ferro-manganese	2.1	362		1.5	136		
Total	A CONTRACTOR OF THE PARTY OF TH	362			136		

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

	19	51	194	8
	Quantity	Value	Quantity	Value
	Th. tons	£.000	Th.tons	£'000
Pig iron, refined	29.0	448	38.5	480
Tarred macadam (including tarred slag)	277.1	387	228.2	321
Coke and coke breeze	64.6	154	37.1	99 102
	Mill. B.T.U. (kWh)		Mill. B.T.U. (kWh)	
Electricity sold	527	1,694	629	1,952
Gas sold	Mill.cu.ft. 244,833 Th.therms 254,535 112,950 Mill.cu.ft. 91,031	2.597 1.849 931	}	4.204
team sold		569	h	1,734
ther goods		2.467	}	1./34
Total		11.097		8,891

Production, exports and imports of certain principal products

		Production (a) (b)	Exports	Retained imports
Di i		Th.tons	Th.tons	Th. tons
Pig iron		1 500 0	10.0	10.1(d)
Forge and foundry (c)	$ \left\{ \begin{array}{c} 1951 \\ 1948 \\ 1937 \end{array} \right. $	1,592.3 1,523.2 1,788.8	16.0 1.5 87.0	6.4(d) 158.3(d)
				53.3
	∫ 1951 1948	1,326.6		37.4
Hematite	1937	1.827.6	65.8	50.5
	(1951	6.713.8		237.8
Basic	1948	6,155.1		15.6
	1937	4.609.3	0.6	425.0
	(1951	9,632.7	16.0	301.1
Total pig iron	1948	9,057.6	1.5	59.4
	1937	8.225.7	153.4	633.8
	7 1951	156.9		1.2
Spiegeleisen and ferro-manganese	1948	169.6	3.2	-
-F	1937	131.7	11.0	4.5

(a) Sales in 1951 and 1948, and production for sale in 1937.

(b) Including production (or sales) by establishments classified to other trades.
(c) The production (or sales) figures include the output of refined pig iron (29,000 tons in 1951; 38,500 tons in 1948) recorded by establishments in this trade. The figures shown for exports include 12,000 tons of refined pig iron in 1951 and 400 tons in 1948; particulars of exports in 1937 or of imports in any year

are not available.

(d) Including 'Pig iron smelted wholly with charcoal' (1.300 tons in 1951; 3.400 tons in 1948; 30.200 tons in 1937) and 'Vanadium-titanium pig iron produced in an electric furnace (3.400 tons in 1951; 1.500 tons in 1948; 5.200 tons in 1937).

(83867/3)

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)

(1) Operatives	S And Committee of the					Number		
		Great Britain						
	1951(b)	1950(b)	1949 (h)	1948(c)	1937 (c)	1935(c)		
Males Under 18 All ages Females Under 18 All ages	503 23.927 1 198	389 23.975 - 176	462 24.005 1 220	462 23,480 - 149	490 18,156 - 14	371 14.530 2 21		
Total Under 18 All ages	504 24.125	389 24,151	463 24.225	462 23,629	490 18,170	373 14.551		

(ii) Administrative, technical and clerical employees (d) Number Great Britain 1951 1950 1949 1948 1937 1935 Males Under 18 154 2.926 155 2.858 129 141 All ages 2,924 1.082 Females Under 18 179 157 170 171 770 All ages 861 833 199 826 182 Total Under 18 324 3,759(e) 180 1.395 All ages 4.024(e) 3.750(e) 3,628(e) 1,264

		great E.	Great Britain							
1951	1950	1949	1948	1937	1935					
632	534	616	617	631	460					
27.090	26.899	26.931	26.338	19.352	15,612					
180	157	171	171	39	19 203					
1,059	1.002	1.053	919	213						
	632	632 534	632 534 616	632 534 616 617	632 534 616 617 631					
	27,090	27,090 26,899	27.090 26.899 26.931	27.090 26.899 26.931 26,338	27.090 26.899 26.931 26.338 19.352					
	180	180 157	180 157 171	180 157 171 171	180 157 171 171 39					

(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 25 Males 135 Females Other workers 33 Males 75 Females Canteen workers 25

- (b) In week ended September 22, 1951, September 30, 1950, and September 24, 1949.
- Average for the year. In week ended September 22, 1951, September 30, 1950, September 24, 1949, September 25, 1948, October 16, 1937 and October 12, 1935.
- (e) No working proprietors were recorded for any post-war year.

(83867/3)

Average employment

Larger establishments

TABLE 14		ALTERY BUILDING	The part warmen			Number
Great Britain						
	1951	1950	1949	1948	1937	1935
Operatives Administrative, technical and	23,864	24,324	24,216	23,629	18,170	14,551
clerical employees	3,931	3.733	3,727	3,628(a)	1,395(a)	1,264(a)
Total	27.795	28.057	27.943	27.257	19.565	15.815

(a) In week ended September 25, 1948, October 16, 1937, and October 12, 1935.

Outworkers. No outworkers were recorded in this trade.

Shift working, 1951 (a)

Larger establishments in Great Britain

TABLE 15

	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	90.692	718.876	43
Continuous 4 shift systems per 24 hours averaging 6 hours per shift	-	710,070	
All 2 shift systems	705	5.488	3
Other shift systems			
Total	91.397	724,364	(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 Percentage of total in trade Percentage of total on returns showing shift-work	45 100.0	44 97.8	24,125 100.0	24,116 100.0	13,608 56.4 56.4

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

Larger establishments

		Great Britain				
	1951	1950	1949	1948		
Wages and salaries (a) of						
Operatives Administrative, technical and	10.530	9.941	9,545	8,994		
clerical employees	2.071	1,837	1.717	1,602		
Total	12,601	11.778	11.262	10,596		
Employers' contributions to all National Insurance Schemes	290	291	285	216		

(a) Including bonus and commission payments.

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

Larger establishments

		Great Britain				
	Great Britain					
	1951	1949	1948			
Plant, machinery and vehicles Acquisitions						
Plant and machinery New	4,236	3, 217	2.725			
Second-hand Vehicles	41	92	128			
New Second-hand	61 18	29 4	60			
Total acquisitions	4,356	3,342	2.932			
Disposals						
Plant and machinery Vehicles	28 11	36 2	115 265			
Total disposals	39	38	380			
New building work Capital expenditure on new building and other constructional work of a capital nature (excluding site values and development charges)	805	988	589			

METAL MANUFACTURE COUNTRY TABLES BLAST FURNACES TRADE

1951

Summary Larger establishments

TARLE 18

	England(a)	Wales(a)	Scotland	Great Britain
	£'000	£,000	£,000	£.000
Gross output (production)	112,409		9,451	121.860
Cost of materials and fuel used	86,862		7,701	94,563
Payment for work done on materials given out	156	-	-	156
Transport payments	5.774		272	6,046
Net output	19,617		1,478	21,094
Wages and salaries of persons employed	11.795		806	12,601
	No.	No.	No.	No.
Average number of persons employed	25,963		1.832	27.795
	£	£	£	£
Wet output per person employed	7 56		807	7 59
	£,000	£,000	£°000	£,000
Stocks at end of year				
Products on hand for sale and				
work in progress	1.775		67	1.842
Materials and fuel	5.922		573	6,494
	No.	No.	No.	No.
Number of establishments	42		4	46

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

	£:000	£'000	£,000	£,000
Output of firms in this trade				
Total value of sales (see Table 20)	112,980		9,583	122,563
Changes in stocks and work in progress (see Table 21)	- 571		- 132	- 704
Gross output (production)	112,409		9,451	121,860
Materials and fuel used by firms in this trade				
Purchases	87.119		7.830	94,949
Changes in stocks (see Table 21)	- 257	•	- 129	- 386
Materials and fuel used	86,862		7,701	94,563

⁽a) Owing to the risk of disclosure of information relating to individual firms particulars for Wales cannot be given separately and have been included with those for England.

TABLE 19 - Summary: Small firms

There were no small firms in the register for this trade.

Sales in the trade Larger establishments

TABLE 20

	England and Wales		Scot	Scotland		Great Britain	
The state of the s	Quantity	Value	Quantity	Value	Quantity	Value	
rincipal products	Th.tons	£,000	Th. tons	£'000	Th.tons	£.000	
Pig iron							
Forge and foundry		(a)		(a)	1,563.3	17.087	
Hematite		(a)		(a)	1,326.6	State of the last	
Basic		(a)		(a)	6.713.8	17,091	
		(a)	•••	(a)	6.713.8	71,230	
Total pig iron	8.801.8	96.278	801.9	9,130	9,603.7	105,408	
Spiegeleisen and ferro-manganese	154.8	4,868	-	-	154.8	4,868	
Direct iron castings	12.1	244	-	-	12.1	244	
Waste products							
Slag		(a)		(a)	2,214.1	665(H	
Other	369.2	242 40	} -	- +	369.2	· 242	
Tatal principal products		(a)		(a)		111,466	
ther output							
Pig iron, refined	29.0	448	_	-	29.0	448	
Tarred macadam (including tarred slag)	277.1	387	-		277.1	387	
Coke and coke breeze	64.6	154	-	_	64.6	154	
					Mill,B.T.U.		
Electricity sold		(a)		(a)	527	1,694	
	Mill.cu.ft.		Mill.cu.ft.		Mill.cu.ft.		
	244.635 Th. therms	2.595	Th. therms	2	Th. therms	2.597	
Gas sold	254,347		188		254,535		
	83,115 Mill.cu.ft.	1,494	29,835 Mill.cu.ft.	3 56	112.950 Mill.cu.ft.	1,849	
	88,049	902	2,982	29	91,031	931	
Steam sold		569	-	-		569	
		2,464		3		2.467	
Other goods		2,404		3	• •	4,46/	

⁽a) Owing to the risk of disclosure of information relating to individual firms, separate particulars cannot be given.(b) So far as recorded separately.

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

Larger establishments

TABLE 21

£.	0	0	0	
1.0	u	u	u	

111040 21				2 000
		England and Wales	Scotland	Great Britain
Products on hand for sale and work in progress	{at beginning of year at end of year	2.346 1.775	200 67	2.546 1.842
Materials and fuel	at beginning of year at end of year	5.665 5.922	444 573	6,108 6,494

Employment in September Larger establishments(a)(b)

TABLE 22 (i) Operatives	CHEVELOW DELICATION OF THE PARTY OF THE PART		Numl
	England and Wales	Scotland	Great Britain
Males	455	48	503
Under 18	22,300	1,627	23,927
All ages Females	22,000	-,0-	
Under 18	1		1
All ages	187	11	198
Total			
Under 18	456	48	504
All ages	22,487	1,638	24,125
(ii) Administrative,	technical and clerical employees	The second	Num
	England and Wales	Scotland	Great Britain
Males			129
Under 18	119	10 150	3,163
All ages	3,013	130	3,103
Females	169	10	179
Under 18 All ages	828	33	861
All ages			park Linear M
Total	288	20	308
Under 18		183	4,024
All ages (c)	3,841	103	1,024
(iii) Total employees			Num
	England and Wales	Scotland	Great Britain
Males		58	632
Under 18	57 4 25, 313	1,777	27,090
All ages	25,313	1.///	27,000
Females Under 18	170	10	180
All ages	1,015	44	1,059
1111 4900			
Total	744	68	812
Under 18	26 328	1.821	28.149

(a) Excluded employees. The number of persons employed at the larger establishments in this trade but not included in the above tables or in any other Census of Production report (e.g., employees engaged in merchanting) are shown in Table 22(iv) below.
 (b) Number employed in the week ended September 22, 1951.
 (c) No working proprietors were recorded in this trade.

1,821

26,328

	England and Wales	Scotland	Great Britain
Conteen workers			25
Males	25	(<u>a</u>)	135
Females	(d)	(a)	200
	(d)	(d)	160
Total	(4)	(4)	
ther workers			
Males	33	•	33
Females	(d)	(d)	75
	THE RESERVE THE PROPERTY OF THE PARTY OF THE	1.11	108
Total	(d)	(d)	200
Total excluded employees	(d)	(d)	268

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

Average employment

Larger establishments

Acole the Stolytelian and American		Number	
England and Wales	Scotland	Great Britain	
22,213	1,651	23,864	
3,750	181	3,931	
25,963	1,832	27.795	
	22.213	22.213 1.651 3.750 181	

Outworkers. No outworkers were recorded in this trade.

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

Larger establishments

TABLE 24				
	England and Wales	Scotland	Great Britain	
Wages and salaries (a) of				
Operatives Administrative, technical and clerical	9,820	710	10,530	
employees	1.975	96	2.071	
Total	11,795	806	12,601	
Employers' contributions to all National Insurance Schemes	270	20	290	

(a) Including bonus and commission payments.

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

Larger establishments

ABLE 25			
	England and Wales	Scotland	Great Britain
Plant, machinery and vehicles Acquisitions Plant and machinery			
New New	(a)	(a)	4,236
Second-hand	41	-	41
Vehicles			and the second second second second
New Second-hand	(a)	(a)	61
Second-nana	18	-	18
Total acquisitions	(a)	(a)	4,356
Disposals			
Plant and machinery	(a)	(a)	28
Vehicles	11	-	11
Total disposals	(α)	(a)	39
New building work Capital expenditure on new building and other constructional work of a capital nature (excluding site values and			
development charges)	(a)	(a)	805

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

(83867/3)

28,149

(83867/3)

All ages (c)

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

Larger establishments

ABLE 26			
	England and Wales	Scotland	Great Britain
Amounts paid to other firms and undertakings Amount paid or credited to firms' own	5.744	27 2	6.016
separate transport organisations	30	-	30
Total	5.774	27 2	6.046

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 parttime 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 exworks 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.

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