



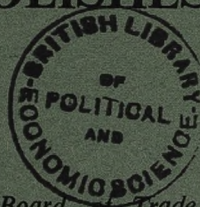
BOARD OF TRADE

THE REPORT  
on the  
CENSUS OF PRODUCTION  
FOR 1951

Volume 2

Trade K

POLISHES



*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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\* Not applicable to this trade

POLISHES

2/K/1

POLISHES TRADE

THIS REPORT on the Polishes Trade relates to establishments engaged wholly or mainly in the manufacture of wax and other polishes (not french polish) of all types, canvas dressings and cleansing and polishing cloths (prepared), and the treatment of sponges.

This trade is included in minimum list headings 35(2) (polishes) and 199(3) (polishing cloths and sponges) 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.

## POLISHES TRADE

## Summary

## Larger establishments (a)

TABLE 1

	Great Britain					
	1951	1950	1949	1948	1937	1935
	£'000	£'000	£'000	£'000	£'000	£'000
Gross output (production) (b)	15,968	13,083	12,306	11,977	6,130	5,906
Cost of materials and fuel used (c)	10,257	8,004	7,203	6,815	2,636	2,295
Payment for work done on materials given out	5	58	16	20	-	3
Transport payments (d)	404	..	..	..	..	..
Net output	5,302	5,021	5,087	5,142	3,494	3,608
Wages and salaries of persons employed	2,088	1,923	1,837	1,748	..	..
	No.	No.	No.	No.	No.	No.
Average number of persons employed (e)	5,869	5,791	5,835	5,836	7,041	6,959
	£	£	£	£	£	£
Net output per person employed (e)	903	867	872	881	496	518
	£'000	£'000	£'000	£'000	£'000	£'000
Stocks at end of year						
Products on hand for sale and work in progress	798	494	466	445	..	..
Materials and fuel	2,926	2,006	1,743	1,904	..	..
	No.	No.	No.	No.	No.	No.
Number of establishments	73	75	79	79	..	65

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 (f)						
Principal products (g)	14,772	13,350	12,534	11,326	4,968	4,954
Other output (h)	912					
Changes in stocks and work in progress (i)	+ 284	+ 14	+ 15	+ 73		
	15,968	13,364	12,549	12,196	6,130	5,906
Less payment for transport outwards (d)	..	281	243	220		
Gross output (production)	15,968	13,083	12,306	11,977	6,130	5,906
Materials and fuel used by firms in this trade						
Purchases	11,185	8,296	7,057	6,670	2,636	2,295
Changes in stocks (i)	- 928	- 292	+ 146	+ 145		
Materials and fuel used	10,257	8,004	7,203	6,815	2,636	2,295

(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 and 1948) 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	107	108	128	125	118
Average number of persons employed (b)					
Males	331	363	395	386	369
Females	179	206	243	238	248
Total	510	569	638	624	617

(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 1951 or 1950.

(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)	5,869	5,791	5,835	5,835	5,836
Employing on the average ten or fewer persons (c)	510(d)	569(d)	638	624	617
Estimated average employment in firms not making satisfactory returns	6,379	6,360	6,473	6,459	6,453
	33	74	25	25	124
Estimated average employment in all firms	6,412(d)	6,434(d)	6,498	6,484	6,577

(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	28	1,049	368	454	74	113	188	810
25 - 49	17	2,051	641	595	125	136	262	1,077
50 - 99	14	1,884	729	846	123	172	295	861
100 - 199	5	2,088	601	647	128	94	222	928
200 - 299	6	3,627	1,667	1,354	209	260	469	1,231
500 - 999	3	5,269	1,297	1,973	320	333	652	657
Total	73	15,968	5,302	5,869	979	1,109	2,088	903

(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	£
England									
Northern; and East and West Ridings	12	3,309	1,215	22.9	1,203	224	284	508	1,010
North Midland	14	967	330	6.2	463	85	83	168	713
Eastern	4	1,249	475	9.0	657	92	70	162	724
London and South Eastern	21	7,902	2,467	46.5	2,702	420	524	944	913
Southern	4	219	113	2.1	87	15	15	29	1,295
Midland	4	1,493	411	7.7	275	79	40	119	1,494
North Western	8	561	185	3.5	296	34	67	100	627
South Western	3	143	65	1.2	114	16	17	34	568
Wales									
Total England and Wales	70	15,842	5,262	99.3	5,797	965	1,098	2,063	908
Scotland	3	126	40	0.7	72	13	11	24	552
Great Britain	73	15,968	5,302	100.0	5,869	979	1,109	2,088	903

(a) Administrative, technical and clerical employees.

Analysis according to specialisation within the trade, 1951  
Larger establishments in Great Britain

TABLE 6

	Estab- lish- ments	Gross output	Sales of charac- teristic products	Net output	Persons employed	Remuneration			Net output per person employed
						Operatives	Other employees (a)	Total	
	No.	£'000	£'000	£'000	No.	£'000	£'000	£'000	£
Specialist producers of Polishes and canvas dressings	41	11,645	10,240	4,078	4,629	733	818	1,551	881
Remainder of the trade	32	4,323		1,224	1,240	245	291	537	987
Total	73	15,968		5,302	5,869	979	1,109	2,088	903

(a) Administrative, technical and clerical employees.

Total make of intermediate products  
Larger establishments in Great Britain

TABLE 7

	Returned in this trade		Returned in all trades			
	1951		1948	1951		1948
	Quantity	Entries	Quantity	Quantity	Entries	Quantity
	Th.cwts.	No.		Th.cwts.	No.	
Wax, refined, blended, bleached, etc.	125	14	..	135(a)	22	..

(a) Excluding paraffin wax produced at mineral oil refineries.

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
Wax, refined, blended, bleached, etc. (a)	105	1,206	19	107	1,044
Polishes (black, white, metal and similar cleansing, dressing and polishing preparations)				..	137
Floor and furniture	333	4,254	53	381	3,976
Leather	145	2,958	35	117	2,256
	..	306			
Metal, stove and other polishes, including impregnated wadding	412	3,133	53	438	2,571
	..	421		..	270
Canvas dressings	67	480	14	58	366
Inks, stains, dyes and gums for the leather and allied trades	Th.galls. 836	806	32	Th.galls. 787	541
	..	610		..	390
Foundry facings (including blacking)	Th.cwts. 722	478	7	Th.cwts. 560	364(b)
Other sundry products for foundries (c)	669	763	12	97	150
	..	947		..	63
Sweeping powders and compositions; and sanitary cleansers, etc. (c)	362	769	12	306	633
Sponges (bleached, dressed or trimmed)	..	68	..	Th.lbs. 18	110
Impregnated cleansing and polishing cloths and pads; and waste products	..	17	7	..	22
Work done for the trade or on commission (d)	..	89	7	..	2
Total		17,304	..		12,894
Sales in other trades (see Table 9)		2,532	..		1,568
Principal products of this trade sold by establishments in the trade		14,772	70		11,326

(a) Excluding paraffin wax produced at mineral oil refineries, for which see the Mineral Oil Refining Trade (Volume 2, Trade N).

(b) Described as 'Foundry blacking'.

(c) So far as recorded separately.

(d) 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
Wax, refined, blended, bleached, etc.	9	150	8	13 ..	124 88
Polishes (black, white, metal and similar cleansing, dressing and polishing preparations)					
Floor and furniture	43	467	18	43	399
Leather	22 ..	199 49	7	8	98
Metal, stove and other polishes, including impregnated wadding	32 ..	174 110	20	63 ..	197 65
Canvas dressings	-	3	..	..	..
Inks, stains, dyes and gums for the leather and allied trades	Th.galls. 105 ..	101 609	16	Th.galls. 271 ..	181 255
Foundry facings (including blacking)	-	-	-	..	..
Other sundry products for foundries; sweeping powders and compositions; and sanitary cleansers, etc.	Th.cwts. 318 ..	491 180	12	Th.cwts. 75	160
Total		2,532	..		1,568

## 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
Soap	17	54	..	30
Washing and scouring materials, other than soap	4 ..	18 99	51	221
Disinfectants and insecticides	31	236	14 ..	110 35
Other goods	..	506	..	400
Total		912		796

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

TABLE 11

	Production (b)(c)	Exports	Retained imports
	Th.cwts.	Th.cwts.	Th.cwts.
Polishes (black, white, metal, and similar cleansing, dressing and polishing preparations)			
Floor and furniture	{ 1951 333 1948 381 1937 228	35 21 16	.. - 2
Leather	{ 1951 160 (d) 1948 117 1937 142	96 56 45	.. - 3
Metal, stove and other polishes (including canvas dressings)	{ 1951 535 (d)(e) 1948 545 (d)(e) 1937 404	84 55 60	.. - 6
Total polishes	{ 1951 1,027 (d) 1948 1,043 (d) 1937 774	215 132 121	1 - 11

(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.

(d) Partly estimated.

(e) Including impregnated wadding.

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  
Larger establishments (a)

TABLE 13

(i) Operatives		Great Britain					Number
		1951(b)	1950(b)	1949(b)	1948(c)	1937(c)	1935(c)
Males							
Under 18		77	86	86	85	149	150
All ages		1,520	1,544	1,525	1,565	2,168	2,233
Females							
Under 18		222	289	322	368	960	783
All ages		2,197	2,402	2,254	2,414	2,973	2,848
Total							
Under 18		299	375	406	453	1,109	933
All ages		3,717	3,946	3,779	3,979	5,141	5,081

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

		Great Britain					Number
		1951	1950	1949	1948	1937	1935
Males							
Under 18		20	16	22	17	28	18
All ages		1,300	1,238	1,205	1,066	1,242	1,250
Females							
Under 18		142	140	142	120	138	98
All ages		824	797	824	785	658	628
Total							
Under 18		162	156	164	137	166	116
All ages		2,124(e)	2,035(e)	2,029(e)	1,851(e)	1,900	1,878

(iii) Total employees

		Great Britain					Number
		1951	1950	1949	1948	1937	1935
Males							
Under 18		97	102	108	102	177	168
All ages		2,820	2,782	2,730	2,631	3,410	3,483
Females							
Under 18		364	429	464	488	1,098	881
All ages		3,021	3,199	3,078	3,199	3,631	3,476
Total							
Under 18		461	531	572	590	1,275	1,049
All ages		5,841(e)	5,981(e)	5,808(e)	5,830(e)	7,041	6,959

(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	-	Males	80	Females	
Other workers	137	Males	48	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		4	5	5	6	
Females		-	-	-	-	
Total		4	5	5	6	

Average employment  
Larger establishments (a)

TABLE 14

	Great Britain					Number
	1951	1950	1949	1948	1937	1935
Operatives	3,777	3,790	3,870	3,979	5,141	5,081
Administrative, technical and clerical employees	2,088	1,996	1,960	1,851(b)	1,900(b)	1,878(b)
Total	5,865	5,786	5,830	5,830	7,041	6,959

(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. 1937 and 1935 figures include working proprietors.

Outworkers. In 1951, 4 female outworkers were employed in this trade in addition to the employees shown above. Outworkers were not employed in other years in this trade.

TABLE 15 - Shift working 1951: Larger establishments in Great Britain

No establishments in this trade recorded shift working in the week ended September 22, 1951.

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

TABLE 16

		Great Britain				£'000
		1951	1950	1949	1948	
Wages and salaries (a) of						
Operatives		979	897	881	877	
Administrative, technical and clerical employees		1,109	1,027	955	871	
Total		2,088	1,923	1,837	1,748	
Employers' contributions to all National Insurance Schemes		55	52	53	42	

(a) Including bonus and commission payments, but excluding in 1951 payments to 4 outworkers. Outworkers were not employed in other years in this trade.

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

TABLE 17

		Great Britain			£'000
		1951	1949	1948	
Plant, machinery and vehicles					
Acquisitions					
Plant and machinery					
New		111	101	93	
Second-hand		3	3	5	
Vehicles					
New		65	47	18	
Second-hand		38	10	15	
Total acquisitions		217	161	132	
Disposals					
Plant and machinery					
Vehicles		10	5	3	
		17	10	4	
Total disposals		27	15	7	
New building work					
Capital expenditure on new building and other constructional work of a capital nature (excluding site values and development charges)		206	50	35	

## POLISHES TRADE

1951

## Summary

## Larger establishments

TABLE 18

	England(a)	Wales (a)	Scotland	Great Britain
	£'000	£'000	£'000	£'000
Gross output (production)	15,842	..	126	15,968
Cost of materials and fuel used	10,180	..	77	10,257
Payment for work done on materials given out	5	..	-	5
Transport payments	395	..	9	404
Net output	5,262	..	40	5,302
Wages and salaries of persons employed	2,063	..	24	2,088
	No.	No.	No.	No.
Average number of persons employed (b)	5,797	..	72	5,869
	£	£	£	£
Net output per person employed (b)	908	..	552	903
	£'000	£'000	£'000	£'000
Stocks at end of year				
Products on hand for sale and work in progress	792	..	6	798
Materials and fuel	2,914	..	12	2,926
	No.	No.	No.	No.
Number of establishments	70	..	3	73

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)	15,558	..	127	15,684
Changes in stocks and work in progress (see Table 21)	+ 284	..	-	+ 284
Gross output (production)	15,842	..	126	15,968
Materials and fuel used by firms in this trade				
Purchases	11,106	..	80	11,185
Changes in stocks (see Table 21)	- 926	..	- 2	- 928
Materials and fuel used	10,180	..	77	10,257

(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.

(b) Excluding outworkers but including working proprietors.

## Summary

## Small firms (a)

TABLE 19

	England	Wales	Scotland	Great Britain
Number of returns	100	3	4	107
Average number of persons employed (b)				
Males	310	8	13	331
Females	157	15	7	179
Total	467	23	20	510

(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

	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
	Th.cwts.	£'000		£'000	Th.cwts.	£'000
Principal products						
Wax, refined, blended, bleached, etc.	95	1,056	-	-	95	1,056
Polishes (black, white, metal and similar cleansing, dressing and polishing preparations)						
Floor and furniture	..	(a)	..	(a)	290	3,787
Leather	123	2,759	-	-	123	2,759
	..	256	-	-	..	256
Metal, stove and other polishes, including impregnated wadding	380	2,960	-	-	380	2,960
	..	310	-	-	..	310
Canvas dressings	66	477	-	-	66	477
Inks, stains, dyes and gums for the leather and allied trades	Th.galls.				Th.galls.	
	731	706	-	-	731	706
Foundry facings (including blacking)	Th.cwts.	(a)	..	(a)	Th.cwts.	478
	..				722	
Other sundry products for foundries; sweeping powders and compositions; and sanitary cleansers, etc. (b)	713	1,040	-	-	713	1,040
	..	767	-	-	..	767
Sponges (bleached, dressed or trimmed)	..	68	-	-	..	68
Impregnated cleansing and polishing cloths and pads; and waste products	..	17	-	-	..	17
Work done for the trade or on commission (c)	..	89	-	-	..	89
Total principal products		14,665		107		14,772
Other output						
Soap	17	54	-	-	17	54
Washing and scouring materials, other than soap	4	18	-	-	4	18
	..	99	-	-	..	99
Disinfectants and insecticides	..	(a)	..	(a)	31	236
Other goods	..	(a)	..	(a)	..	506
Total		15,558		127		15,684

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

(b) So far as recorded separately.

(c) Amount charged.

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

## Larger establishments

TABLE 21

		£'000		
		England and Wales	Scotland	Great Britain
Products on hand for sale	{ at beginning of year	443	6	449
	{ at end of year	722	6	728
Work in progress	{ at beginning of year	65	-	65
	{ at end of year	70	-	70
Total products on hand for sale and work in progress	{ at beginning of year	508	6	514
	{ at end of year	792	6	798
Materials and fuel	{ at beginning of year	1,988	9	1,998
	{ at end of year	2,914	12	2,926

CHEMICALS AND ALLIED TRADES COUNTRY TABLES  
Employment in September  
Larger establishments (a)(b)

TABLE 22  
(i) Operatives

	Number		
	England and Wales	Scotland	Great Britain
Males			
Under 18	73	4	77
All ages	1,481	39	1,520
Females			
Under 18	222	-	222
All ages	2,188	9	2,197
Total			
Under 18	295	4	299
All ages	3,669	48	3,717

(ii) Administrative, technical and clerical employees

	Number		
	England and Wales	Scotland	Great Britain
Males			
Under 18	19	1	20
All ages	1,285	15	1,300
Females			
Under 18	141	1	142
All ages	815	9	824
Total			
Under 18	160	2	162
All ages(c)	2,100	24	2,124

(iii) Total employees

	Number		
	England and Wales	Scotland	Great Britain
Males			
Under 18	92	5	97
All ages	2,766	54	2,820
Females			
Under 18	363	1	364
All ages	3,003	18	3,021
Total			
Under 18	455	6	461
All ages (c)	5,769	72	5,841

(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 merchandising) are shown in Table 22(v) below.

(b) Number employed in the week ended September 22, 1951.

(c) Working proprietors. In addition working proprietors, shown in Table 22(iv) below, were engaged in this trade in larger establishments.

(iv) Working proprietors

	Number		
	England and Wales	Scotland	Great Britain
Males	4	-	4
Females	-	-	-
Total	4	-	4

(v) Excluded employees

	Number		
	England and Wales	Scotland	Great Britain
Canteen workers			
Males	-	-	-
Females	80	-	80
Total	80	-	80
Other workers			
Males	137	-	137
Females	48	-	48
Total	185	-	185
Total excluded employees	265	-	265

Average employment  
Larger establishments (a)

	Number		
	England and Wales	Scotland	Great Britain
Operatives	3,729	48	3,777
Administrative, technical and clerical employees	2,064	24	2,088
Total	5,793	72	5,865

(a) For employment in small firms (employing on the average ten or fewer persons) that made satisfactory returns see Table 19.

Outworkers. In addition to the employees shown above the firms in this trade employed 4 female outworkers, all in England.

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

Larger establishments

	£'000		
	England and Wales	Scotland	Great Britain
Wages and salaries (a) of			
Operatives	965	13	979
Administrative, technical and clerical employees	1,098	11	1,109
Total	2,063	24	2,088
Employers' contributions to all National Insurance Schemes	54	1	55

(a) Including bonus and commission payments, but excluding payments to 4 outworkers.

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

Larger establishments

	£'000		
	England and Wales	Scotland	Great Britain
Plant, machinery and vehicles			
Acquisitions			
Plant and machinery			
New	111	1	111
Second-hand	3	-	3
Vehicles			
New	65	-	65
Second-hand	37	-	38
Total acquisitions	216	1	217
Disposals			
Plant and machinery	10	-	10
Vehicles	17	1	17
Total disposals	26	1	27
New building work			
Capital expenditure on new building and other constructional work of a capital nature (excluding site values and development charges)	206	-	206



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

	Larger establishments			£'000
	England and Wales	Scotland	Great Britain	
Amounts paid to other firms and undertakings	(a)	(a)	384	
Amount paid or credited to firms' own separate transport organisations	(a)	(a)	20	
Total	395	9	404	

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

## 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.

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