



BOARD OF TRADE

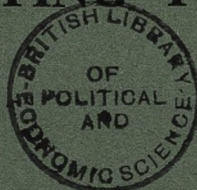
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[HA 251]

THE REPORT  
on the  
CENSUS OF PRODUCTION  
FOR 1951

Volume 1

Trade M

ROOFING FELTS



*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

1954

Price 1s 6d net

[HA 251]

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\* Not applicable to this trade

ROOFING FELTS

1/M/1

ROOFING FELTS TRADE

THIS REPORT on the Roofing Felts Trade relates to establishments engaged wholly or mainly in the manufacture of paper, tarred flax, jute and other felts.

This trade is included among the miscellaneous non-metalliferous mining manufactures in minimum list heading 29(3) in the Standard Industrial Classification.

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.

## ROOFING FELTS TRADE

## Summary

## Larger establishments (a)

TABLE 1

	United Kingdom			Great Britain		United Kingdom	
	1951	1950	1949	1949	1948	1937	1935
	£'000	£'000	£'000	£'000	£'000	£'000	£'000
Gross output (production) (b)	8,099	5,161	4,553	4,306	4,377	1,610	1,302
Cost of materials and fuel used (c)	5,116	3,400	2,906	2,783	2,512	982	710
Payment for work done on materials given out	-	-	-	-	-	-	1
Transport payments (d)	399	..	..	..	..	..	..
Net output	2,585	1,762	1,647	1,522	1,864	628	591
Wages and salaries of persons employed	844	727	656	622	598	..	..
Average number of persons employed (e)	No. 1,909	No. 1,812	No. 1,705	No. 1,562	No. 1,605	No. 1,781	No. 1,602
Net output per person employed (e)	£ 1,354	£ 972	£ 966	£ 974	£ 1,162	£ 353	£ 369
Stocks at end of year	£'000	£'000	£'000	£'000	£'000	£'000	£'000
Products on hand for sale and work in progress	283	231	198	189	200	..	..
Materials and fuel	592	354	318	302	314	..	..
Number of establishments	No. 25	No. 25	No. 26	No. 22	No. 22	No. ..	No. 25

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)	7,208	5,459	4,823	4,570	4,045	1,381	1,133
Other output (h)	844						
Changes in stocks and work in progress (i)	+ 47	+ 26	- 13	- 18	+ 59		
	8,099	5,485	4,810	4,553	4,612	1,610	1,302
Less payment for transport outwards (d)	..	324	256	247	235		
Gross output (production)	8,099	5,161	4,553	4,306	4,377	1,610	1,302
Materials and fuel used by firms in this trade							
Purchases	5,356	3,441	2,878	2,754	2,534	982	710
Changes in stocks (i)	- 240	- 41	+ 28	+ 29	- 22		
Materials and fuel used	5,116	3,400	2,906	2,783	2,512	982	710

(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) Including working proprietors. For an estimate of the total number 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.

(19151-1)

## Summary

## Small firms (a)

TABLE 2

	Great Britain		United Kingdom	Great Britain	
	1951	1950	1949	1949	1948
Number of returns	2	3	2	2	1
Average number of persons employed (b)					
Males	18	22	16	16	7
Females	-	2	1	1	1
Total	18	24	17	17	8

(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)	1,909	1,812	1,705	1,562	1,605
Employing on the average ten or fewer persons (c)	18 (d)	24 (d)	17	17	8
Estimated average employment in firms not making satisfactory returns	1,927	1,836	1,722	1,579	1,613
Estimated average employment in all firms	1,927 (d)	1,836 (d)	1,722	1,579	1,621

(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 the United Kingdom

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	6	279	87	114	27	12	39	762
25 - 49	8	1,104	387	299	80	31	110	1,293
50 - 99	5	1,456	453	353	112	43	155	1,284
100 - 399	6	5,260	1,658	1,143	373	168	541	1,451
Total	25	8,099	2,585	1,909	591	253	844	1,354

(a) Administrative, technical and clerical employees.

(19151-1)

- Analysis by standard region, 1951

Larger establishments in the United Kingdom

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: East and West Ridings; and Eastern	4	546	195	7.5	119	36	20	57	1,640
London and South Eastern	7	4,000	1,209	46.8	777	278	115	393	1,556
North Western	5	1,841	664	25.7	550	149	81	230	1,208
North Midland; Southern; South Western; and Midland	-	-	-	-	-	-	-	-	-
Total England	16	6,388	2,069	80.0	1,446	463	217	680	1,431
Wales	-	-	-	-	-	-	-	-	-
Scotland	5	1,303	316	12.2	315	96	25	121	1,002
Great Britain	21	7,691	2,384	92.2	1,761	559	242	801	1,354
Northern Ireland	4	408	201	7.8	148	32	12	44	1,356
United Kingdom	25	8,099	2,585	100.0	1,909	591	253	844	1,354

(a) Administrative, technical and clerical employees.

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

Larger establishments in the United Kingdom

No specialisation within this trade was distinguished.

TABLE 7 - Total make of intermediate products: Larger establishments

This table is not applicable to the trade.

(19151-1)

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

Larger establishments

TABLE 8

	United Kingdom 1951				Great Britain 1948		
	Quantity		Value	Entries	Quantity		Value
	Th.sq. yds.	Th. cwts.	£'000	No.	Th.sq. yds.	Th. cwts.	£'000
Felts for roofing (including sarking and sheathing felts)							
Paper felts	65,440	1,744	3,375	15	60,625	1,438	2,391
Tarred flax or jute felts	9,083	131	558	8	7,052	94	339
Other roofing felts	24,082	584	1,325	12	9,479	240	412
Total roofing felts	98,605	2,459	5,257	..	77,157	1,772	3,142
Felt base for manufacture into floor covering	21,629	327	731	..	13,053	197	341(a)
Dampcourses and similar fabrics	7,456	483	1,130	20	4,382	278	510
Waste products		..	7	..	..	..	5
Work done for customers (fixing felts, etc.) (b)			113	..			90
Total			7,238	..			4,088
Less sales in other trades (see Table 9)			30	..			43
Total principal products in this trade sold by establishments in the trade			7,208	23			4,045

(a) Described in 1948 as Felt base for manufacture into floor covering and impregnated felts for covering floors.

(b) Amount charged.

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

Larger establishments

TABLE 9

	United Kingdom 1951				Great Britain 1948		
	Quantity		Value	Entries	Quantity		Value
	Th.sq. yds.	Th. cwts.	£'000	No.	Th.sq. yds.	Th. cwts.	£'000
Felts for roofing (including sarking and sheathing felts)							
Paper felts	-	-	-	-	30	1	1
Tarred flax or jute felts	-	-	-	-	14	-	1
Other roofing felts	539	13	30	..	100	3	4
Dampcourses and similar fabrics and felt base for manufacture into floor covering	-	-	-	-	727	19	37(a)
Total			30	..			43

(a) Described in 1948 as Dampcourses and similar fabrics and felt base for manufacture into floor covering and impregnated felts for covering floors.

(19151-1)

Sales in the trade of other than principal products  
Larger establishments

TABLE 10

	United Kingdom 1951			Great Britain 1948		
	Quantity		Value	Quantity		Value
	Th. sq. yds.	Th. cwts.	£'000	Th. sq. yds.	Th. cwts.	£'000
Felts, including hair felts, other than for roofing	5,098	125	422	4,446	69	257
Bituminous composition	Th. cwts. 103		201	Th. cwts. 109		138
Other goods	..		221	..		114
Total			844			509

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

TABLE 11

		Production (b)(c)	Exports	Retained imports
		Th. cwts.	Th. cwts.	Th. cwts.
Felts for roofing (including sarking and sheathing felts)	1951	2,459	484(d)	-
	1948	1,772	299(d)	-
	1937	1,199	144	11

- (a) Figures of production (or sales) refer only to larger establishments in the United Kingdom (1951 and 1937) or Great Britain (1948). 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) Excluding sheathing felt recorded as £41,000 in 1951 and £33,000 in 1948; quantity figures are not available.

TABLE 12 - Usage of certain specified purchased materials, 1951  
Larger establishments in the United Kingdom

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

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

	United Kingdom			Great Britain		United Kingdom	
	1951(b)	1950(b)	1949(b)	1949(b)	1948(c)	1937(c)	1935(c)
Males							
Under 18	53	47	37	29	40	98	88
All ages	1,370	1,336	1,199	1,111	1,149	1,156	1,073
Females							
Under 18	6	2	1	1	5	12	19
All ages	119	94	98	85	109	159	123
Total							
Under 18	59	49	38	30	45	110	107
All ages	1,489	1,430	1,297	1,196	1,258	1,315	1,196

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

	United Kingdom			Great Britain		United Kingdom	
	1951	1950	1949	1949	1948	1937	1935
Males							
Under 18	19	14	10	10	10	37	29
All ages	280	288	269	253	250	353	314
Females							
Under 18	32	23	26	22	20	14	4
All ages	135	128	119	104	97	113	92
Total							
Under 18	51	37	36	32	30	51	33
All ages	415(e)	416(e)	388(e)	357(e)	347(e)	466	406

(iii) Total employees

	United Kingdom			Great Britain		United Kingdom	
	1951	1950	1949	1949	1948	1937	1935
Males							
Under 18	72	61	47	39	50	135	117
All ages	1,650	1,624	1,468	1,364	1,399	1,509	1,387
Females							
Under 18	38	25	27	23	25	26	23
All ages	254	222	217	189	206	272	215
Total							
Under 18	110	86	74	62	75	161	140
All ages	1,904(e)	1,846(e)	1,685(e)	1,553(e)	1,605(e)	1,781	1,602

- (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 in Great Britain engaged, for example, in merchandising and in Northern Ireland canteen and welfare workers):-

Canteen workers 1 Male 14 Females  
Other workers - Male 1 Female

- (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 the 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

	United Kingdom			Great Britain	
	1951	1950	1949	1949	1948
Males	5	6	5	-	-
Females	-	-	-	-	-
Total	5	6	5	-	-

Average employment  
Larger establishments (a)

TABLE 14

	United Kingdom						Number	
	United Kingdom			Great Britain		United Kingdom		
	1951	1950	1949	1949	1948	1937	1935	
Operatives	1,497	1,399	1,314	1,207	1,258	1,315	1,196	
Administrative, technical and clerical employees	407	407	386	355	347 (b)	466 (b)	406 (b)	
Total	1,904	1,806	1,700	1,562	1,605	1,781	1,602	

(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. 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	(b)	(b)	(b)
Continuous 4 shift systems per 24 hours averaging 6 hours per shift	-	-	-
All 2 shift systems	-	-	-
Other shift systems	(b)	(b)	(b)
Total	1,313	10,814	(c)

(a) Shift working during week ended September 22, 1951.

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

(c) 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	19	3	1,380	482	210
Percentage of total in trade	100.0	15.8	100.0	34.9	15.2
Percentage of total on returns showing shift-work				100.0	43.6

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

Larger establishments

TABLE 16

	United Kingdom			Great Britain	
	1951	1950	1949	1949	1948
	Wages and salaries (a) of				
Operatives	591	507	458	431	416
Administrative, technical and clerical employees	253	220	198	191	182
Total	844	727	656	622	598
Employers' contributions to all National Insurance Schemes	19	18	17	16	14

(a) Including bonus and commission payments.

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

TABLE 17

	United Kingdom		Great Britain	
	1951	1949	1949	1948
Plant, machinery and vehicles				
Acquisitions				
Plant and machinery				
New	49	46	45	91
Second-hand	1	-	-	1
Vehicles				
New	29	8	7	12
Second-hand	3	1	1	3
Total acquisitions	83	55	54	107
Disposals				
Plant and machinery	1	1	-	-
Vehicles	5	1	1	1
Total disposals	7	2	1	1
New building work				
Capital expenditure on new building and other constructional work of a capital nature (excluding site values and development charges)	54	46	46	33

## COUNTRY TABLES

## ROOFING FELTS TRADE

1951

## Summary

## Larger establishments

TABLE 18

	England	Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
	£'000	£'000	£'000	£'000	£'000	£'000
Gross output (production)	6,388	-	1,303'	7,691	408	8,099
Cost of materials and fuel used	4,048	-	892	4,940	175	5,116
Payment for work done on materials given out	-	-	-	-	-	-
Transport payments	271	-	95	366	32	399
Net output	2,069	-	316	2,384	201	2,585
Wages and salaries of persons employed	680	-	121	801	44	844
	No.	No.	No.	No.	No.	No.
Average number of persons employed (a)	1,446	-	315	1,761	148	1,909
	£	£	£	£	£	£
Net output per person employed (a)	1,431	-	1,002	1,354	1,356	1,354
	£'000	£'000	£'000	£'000	£'000	£'000
Stocks at end of year						
Products on hand for sale and work in progress	224	-	32	255	27	283
Materials and fuel	514	-	60	574	17	592
	No.	No.	No.	No.	No.	No.
Number of establishments	16	-	5	21	4	25

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						
Total value of sales (see Table 20)	6,353	-	1,298	7,651	401	8,052
Changes in stocks and work in progress (see Table 21)	+ 34	-	+ 6	+ 40	+ 7	+ 47
Gross output (production)	6,388	-	1,303	7,691	408	8,099
Materials and fuel used by firms in this trade						
Purchases	4,259	-	915	5,174	182	5,356
Changes in stocks (see Table 21)	- 211	-	- 23	- 234	- 6	- 240
Materials and fuel used	4,048	-	892	4,940	175	5,116

(a) Including working proprietors.

TABLE 19 - Summary: Small firms in Great Britain

Owing to the risk of disclosure of information relating to individual firms, this table cannot be given. For information relating to Great Britain as a whole, see Table 2.

Sales in the trade  
Larger establishments

TABLE 20

	England and Wales			Scotland			Great Britain			Northern Ireland			United Kingdom		
	Quantity		Value	Quantity		Value	Quantity		Value	Quantity		Value	Quantity		Value
	Th. sq. yds.	Th. cwts.	£'000	Th. sq. yds.	Th. cwts.	£'000	Th. sq. yds.	Th. cwts.	£'000	Th. sq. yds.	Th. cwts.	£'000	Th. sq. yds.	Th. cwts.	£'000
<b>Principal products</b>															
Felts for roofing (including sarking and sheathing felts)															
Paper felts	53,943	1,444	2,856	16,303	426	733	91,277	2,304	4,864	6,788	142	364	65,440	1,744	3,375
Tarred flax or jute felts	6,387	93	421										9,083	131	558
Other roofing felts	14,645	341	854										23,542	571	1,295
Felt base for manufacture into floor covering	..	..	(a)	..	..	(a)	21,629	327	731	-	-	-	21,629	327	731
Dampcourses and similar fabrics	..	..	(a)	1,854	121	265	..	..	(a)	..	..	(a)	7,456	483	1,130
Waste products		..	5	..	..	2	..	..	7	-	-	-	..	..	7
Work done for customers (fixing felts, etc.) (b)			113			-			113			-			113
Total principal products			(a)			(a)			(a)			(a)			7,208
<b>Other output</b>															
Felts, including hair felts, other than for roofing	}												5,098	125	422
Bituminous composition		..	(a)	..	(a)	..	(a)	..	(a)	..	(a)	..	(a)	103	201
Other goods														..	221
Total			6,353			1,298			7,651			401			8,052

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

(b) Amount charged.



TREATMENT OF NON-METALLIFEROUS MINING PRODUCTS OTHER THAN COAL  
COUNTRY TABLES

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	Northern Ireland	United Kingdom
Products on hand for sale	{ at beginning of year	(a)	(a)	(a)	(a)	(a)
	{ at end of year					
Work in progress	{ at beginning of year	(a)	(a)	(a)	(a)	(a)
	{ at end of year					
Total products on hand for sale and work in progress	{ at beginning of year	189	26	215	20	235
	{ at end of year	224	32	255	27	283
Materials and fuel	{ at beginning of year	303	37	340	11	351
	{ at end of year	514	60	574	17	592

(a) Owing to the risk of disclosure of information relating to individual firms, separate particulars for products on hand for sale and for work in progress cannot be given.

Employment in September

Larger establishments (a)(b)

TABLE 22  
(i) Operatives

Number

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Males					
Under 18	36	10	46	7	53
All ages	1,032	247	1,279	91	1,370
Females					
Under 18	6	-	6	-	6
All ages	89	12	101	18	119
Total					
Under 18	42	10	52	7	59
All ages	1,121	259	1,380	109	1,489

(ii) Administrative, technical and clerical employees

Number

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Males					
Under 18	15	4	19	-	19
All ages	219	42	261	19	280
Females					
Under 18	26	2	28	4	32
All ages	106	13	119	16	135
Total					
Under 18	41	6	47	4	51
All ages (c)	325	55	380	35	415

(continued overleaf)

TABLE 22 (contd.)

(iii) Total employees

Number

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Males					
Under 18	51	14	65	7	72
All ages	1,251	289	1,540	110	1,650
Females					
Under 18	32	2	34	4	38
All ages	195	25	220	34	254
Total					
Under 18	83	16	99	11	110
All ages (c)	1,446	314	1,760	144	1,904

(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 (employees in Great Britain engaged, for example, in merchandising and in Northern Ireland canteen and welfare workers) 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	Northern Ireland	United Kingdom
Males	-	-	-	5	5
Females	-	-	-	-	-
Total	-	-	-	5	5

(v) Excluded employees

Number

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Canteen workers					
Males	-	1	1	-	1
Females	12	1	13	1	14
Total	12	2	14	1	15
Other workers					
Males	-	-	-	-	-
Females	1	-	1	-	1
Total	1	-	1	-	1
Total excluded employees	13	2	15	1	16

Average employment

Larger establishments

TABLE 23

Number

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Operatives	1,129	261	1,390	107	1,497
Administrative, technical and clerical employees	317	54	371	36	407
Total	1,446	315	1,761	143	1,904

Outworkers. No outworkers were recorded in this trade.

## TREATMENT OF NON-METALLIFEROUS MINING PRODUCTS OTHER THAN COAL

## COUNTRY TABLES

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

## Larger establishments

TABLE 24

£'000

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Wages and salaries (a) of					
Operatives	463	96	559	32	591
Administrative, technical and clerical employees	217	25	242	12	253
Total	680	121	801	44	844
Employers' contributions to all National Insurance Schemes	15	3	18	1	19

(a) Including bonus and commission payments.

## 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	Northern Ireland	United Kingdom
Plant, machinery and vehicles					
Acquisitions					
Plant and machinery					
New	39	9	48	-	49
Second-hand	1	-	1	-	1
Vehicles					
New	25	-	25	4	29
Second-hand	3	1	3	-	3
Total acquisitions	68	10	78	5	83
Disposals					
Plant and machinery	1	-	1	-	1
Vehicles	5	-	5	-	5
Total disposals	6	-	7	-	7
New building work					
Capital expenditure on new building and other constructional work of a capital nature (excluding site values and development charges)	49	3	52	2	54

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

## Larger establishments

TABLE 26

£'000

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Amounts paid to other firms and undertakings	239	92	330	32	362
Amount paid or credited to firms' own separate transport organisations	33	4	36	-	36
Total	271	95	366	32	399

## 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.

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1954

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PRINTED IN GREAT BRITAIN

S.O. Code No. 51-328-1-13