

### THE HAT AND CAP TRADE.

*Note.*—For information regarding the scope of the Census, instructions given to firms for making returns, and definitions of the terms used in this report, reference should be made to the Introductory Notes on pages v to xviii.

#### Introductory.

This trade comprises firms that were engaged wholly or mainly in the manufacture of hats and caps, and of hatters' wares. Millinery making is not dealt with in this report but in that on the Tailoring, Dressmaking, Millinery, etc., Trades (see page 384).

The following table shows the main results of the Censuses of 1930 and 1924 in respect of firms in Great Britain that employed an average of more than 10 persons :—

Particulars.	Unit.	1930.	1924.
Value of goods made and work done (Gross output)	£'000.	12,291	13,294
Cost of materials used ... ..	"	7,240	8,022
Paid for work given out to other firms ... ..	"	57	98
Net output ... ..	"	4,994	5,174
Average number of persons employed (excluding outworkers)... ..	No.	30,628	29,946
Net output per person employed (excluding outworkers) ... ..	£	163	173
Mechanical power available :—			
Prime movers ... ..	H.P.	3,228	3,298
Electric motors driven by purchased electricity	"	12,402	8,749
Number of returns ... ..	No.	397	429
Number of establishments ... ..	"	420	*

\* Not available.

**Deficiencies in 1930 aggregates.**—The aggregate number of persons employed in 1930 by firms that stated that they employed not more than 10 persons on the average was 2,131, the corresponding figure for 1924\* being 1,264. The value of the gross output of the small firms in 1924 was £507,000, and particulars of the classes of goods included in this figure are given below :—

Hats, bonnets, caps and other headgear, trimmed and untrimmed :—	£'000
Of straw ... ..	225
Of felt ... ..	36
Of cloth ... ..	91
Other kinds ... ..	49
Hatters' materials, etc. ... ..	28
Buckram shapes ... ..	39
Work done for the trade or on commission ...	39
Total ... ..	507

\* The particulars relating to small firms in 1924 include one return made by a firm in Northern Ireland.

In addition, 54 firms to which schedules were sent at the 1930 Census and 175 at that of 1924 furnished no information; these firms either had small businesses or had ceased productive operations before the end of the censal year.

**Size of firms.**—In the following table the main particulars recorded at the Census of 1930 are grouped according to the average numbers of persons shown in the returns:—

Size of firm (average numbers employed).	No. of returns.	Gross output.	Net output.	Average number of persons employed (excluding outworkers).	Net output per person employed.
		£'000.	£'000.		£
11-24 ...	129	985	381	2,260	169
25-49 ...	109	1,687	649	3,773	172
50-99 ...	70	2,278	819	4,951	165
100-199 ...	54	2,965	1,241	7,562	164
200-299 ...	17	1,428	603	4,104	147
300-399 ...	11	1,299	544	3,725	146
400 and over ...	7	1,649	757	4,253	178
<b>TOTAL ...</b>	<b>397</b>	<b>12,291</b>	<b>4,994</b>	<b>30,628</b>	<b>163</b>

**Regional distribution.**—In the following table the results recorded at the Censuses of 1930 and 1924 are grouped according to the principal areas\* of Great Britain in which firms in this trade are situated:—

Area.	No. of returns.	Gross output.	Net output.	Average number of persons employed (excluding outworkers).	Net output per person employed.
		£'000.	£'000.		£
1 ...	1930 78	1,803	740	4,422	167
	1924 100	2,657	1,048	6,080	172
2 ...	1930 82	4,193	1,800	12,099	149
	1924 85	4,394	1,920	11,584	166
5 ...	1930 10	543	260	1,507	172
	1924 9	561	234	1,265	185
6 ...	1930 206	5,484	2,090	11,783	177
	1924 211	5,390	1,879	10,001	188
3, 4 and 7	1930 11	160	56	445	126
	1924 9	123	36	424	85
9 and 10	1930 10	108	48	372	129
	1924 15	169	57	592	97
<b>TOTAL...</b>	1930 397	12,291	4,994	30,628	163
	1924 429	13,294	5,174	29,946	173

\* For particulars see page xviii.

**Northern Ireland.**—Only one firm was recorded at the Census of Northern Ireland as being engaged in the Hat and Cap Trade in 1930 and to avoid the disclosure of particulars relating to this firm the details were included under general headings in the report on the Tailoring, Dressmaking, Millinery, etc., Trades.

### Production.

**Principal products.**—The following table shows the values and, where available, the quantities of hats, caps, and hatters' materials made in 1930 and 1924 for sale:—

Kind of goods.	1930.						1924.	
	Returned on schedules for						Total.	
	The Hat and Cap Trade.			All trades.				
Quantity.	Value.	Ent-ries.	Quantity.	Value.	Ent-ries.	Quantity.	Value.	
	Th. doz.	£'000.	No.	Th. doz.	£'000.	No.	Th. doz.	£'000.
Hats, caps, etc., trimmed and untrimmed:—								
Of straw ...	1,109	2,560	186	1,109	2,560	186	833	2,434
Of wool felt (including bodies) ...	1,716	3,049	209	1,716	3,049	209	1,309	2,634
Of fur felt (including bodies) ...	818	3,395	121	818	3,395	121	524	3,100
Of cloth ...	1,536	1,561	105	1,649	1,686	135	1,764	2,043
Of other materials ...	148	396	67	148	396	67	248	715
Of straw, felt or other materials not separately distinguished	36	111	5	36	111	5	...	884
<b>Total value—Hats, caps, etc. ...</b>	...	11,072	...	...	11,197	...	...	11,810
Hatters' fur ...	...	452	15	...	468	16	...	673
Hatters' wares, trimmings, etc. (including felts and straw braid bleached and dyed)...	...	35	11	...	35	11	...	494
Hat linings* ...	...	333	19	...	333	19	...	...
<b>TOTAL VALUE—Princi- pal products ...</b>	...	11,892	...	...	12,033	...	...	12,977

\* Not including hat leathers for which see page 340.

**Work done for the trade or on commission.**—The total amount recorded as received for sewing, trimming, bleaching, dyeing and other work done on hats and hatters' materials in 1930 was £241,000 (of which £1,000 was returned on three schedules for other trades), as compared with £290,000 (of which £29,000 was returned on schedules for other trades) in 1924. Of these amounts, £167,000 in 1930 and £206,000 in 1924 were in respect of the bleaching and dyeing of straw plait, chip braids and hats. In addition, firms that

made their returns on schedules for the Hat and Cap Trade recorded £79,000 as received in 1930 for work done on goods mainly produced in other trades.

**Prices.**—The average selling values of the principal classes of hats, caps, etc., in 1930 and 1924, as calculated from the Census returns, are shown in the following table. It should be borne in mind that these comparisons do not take account of any changes that may have occurred since the earlier year in the quality or type of goods included under the specified descriptions.

Kind of goods.	Average value.		1930 as a percentage of 1924.
	1930.	1924.	
	£ per doz.	£ per doz.	Per cent.
Hats, caps and other headgear, trimmed and untrimmed :—			
Of straw ... ..	2.31	2.92	79.1
Of wool felt (including bodies) ...	1.78	2.02	88.1
Of fur felt (including bodies) ...	4.15	5.92	70.1
Of cloth ... ..	1.02	1.16	87.9
Of other materials ... ..	2.67	2.88	92.7

**Volume of production in 1930 and 1924.**—The following table compares the volume of production of hats, caps, etc., in 1930 and 1924 :—

Kind of goods.	Total production.			1930 as a percentage of 1924.
	1930.	1924.		
	As returned.	As returned.	At 1930 average values.	
	£'000.	£'000.	£'000.	Per cent.
Hats, caps, etc., trimmed and untrimmed :—				
Of straw ... ..	2,560	2,434	1,925	133
Of wool felt (including bodies) ...	3,049	2,634	2,321	131
Of fur felt (including bodies) ...	3,395	3,100	2,173	156
Of cloth ... ..	1,686	2,043	1,796	94
Of other materials ... ..	396	715	663	60
Of straw, felt or other materials, not separately distinguished ...	111	884	718*	15
Hatters' fur ... ..	468	673	472†	99
Hatters' wares, trimmings, etc., (including felts and straw braid bleached and dyed) ... ..	35	494	398*	92
Hat linings ... ..	333			
TOTAL ... ..	12,033	12,977	10,466	115

\* Based on average values of all preceding items in the table.

† Based on average values of fur felt hats.

**Production, exports and imports.**—The following table shows, in relation to production, the quantities of the principal classes of hats and caps exported from the United Kingdom in 1930 and 1924, together with the quantities imported and retained. As regards the 1930 figures of production, the deficiencies referred to on page 425 of this report should be borne in mind; the figures for 1924 include the output of the small firms. In view of the large proportion of unclassified hats, etc., that was recorded by value only in 1924, it is not practicable to compare the production with imports and exports for that year.

Kind of goods.	Production.	Exports.	Proportion of production exported.	Retained imports.	Available for use in the United Kingdom.	Share of home market held by British products.
					Th. doz.	Th. doz.
Hats, caps, etc., trimmed and untrimmed :—	Th. doz.	Th. doz.	Per cent.	Th. doz.	Th. doz.	Per cent.
Of straw ... ..	1,109	221	19.9	128	1,016	87.4
	1924 *	321	...	190	...	...
Of wool felt (including bodies) ...	1,716	288	16.8	1,352	2,780	51.4
	1924 *	216	...	327	...	...
Of fur felt (including bodies) ...	818	117	14.3	114	815	86.0
	1924 *	116	...	158	...	...
Of cloth ... ..	1,649	195	11.8	209	1,663	87.4
	1924 *	350	...	10	...	...

\* Not available.

**Other products.**—In addition to the output shown in the table of principal products on page 427, firms that made their returns on schedules for the Hat and Cap Trade recorded an output (including waste products) of £80,000 in 1930 (of which £28,000 represented buckram and other shapes) and £196,000 in 1924 (of which £179,000 consisted of buckram shapes). These goods, being of kinds mainly produced in other trades, are dealt with in the reports on those trades.

**Employment and Wages.**

**Employment.**—The following table shows the average numbers of persons employed in 1930 and 1924 :—

Persons employed.	Males.		Females.		Total.	
	Under 18.	All ages.	Under 18.	All ages.	Under 18.	All ages.
	1930.					
Operatives (average for the year)	1,455	10,307	3,251	17,419	4,706	27,726
Administrative, technical and clerical staff (as at 18th October)	190	1,873	216	1,029	406	2,902
TOTAL ... ..	1,645	12,180	3,467	18,448	5,112	30,628
1924.						
Operatives (average for the year)	1,296	9,668	3,552	17,625	4,848	27,293
Administrative, technical and clerical staff (as at 18th October)	164	1,832	140	821	304	2,653
TOTAL ... ..	1,460	11,500	3,692	18,446	5,152	29,946
Average number of outworkers :—						
1930 ... ..	29		890		919	
1924 ... ..	43		1,653		1,696	

**Wages.**—The available information as to the amount of wages paid in 1930 and 1924 is given on pages 376-7.

**Power.**

The following table shows the capacity of prime movers, electric generators and electric motors ordinarily in use and in reserve or idle in 1930 and 1924 :—

Power equipment.	1930.			1924.		
	Ordinarily in use.	In reserve or idle.	Total.	Ordinarily in use.	In reserve or idle.	Total.
		H.P.	H.P.	H.P.	H.P.	H.P.
<b>PRIME MOVERS.</b>						
Reciprocating steam engines ... ..	2,254	98	2,352	2,293	128	2,421
Steam turbines ... ..	—	—	—	5	—	5
Internal combustion engines :—						
Gas ... ..	716	77	793	758	101	859
Petrol, kerosene, or other light oils ... ..	—	45	45	13	—	13
Heavy oils ... ..	20	14	34	—	—	—
Other prime movers ... ..	4	—	4	—	—	—
TOTAL ... ..	2,994	234	3,228	3,069	229	3,298

Power equipment.	1930.			1924.		
	Ordinarily in use.	In reserve or idle.	Total.	Ordinarily in use.	In reserve or idle.	Total.
<b>ELECTRIC GENERATORS.</b>	Kw.	Kw.	Kw.	Kw.	Kw.	Kw.
Driven by						
Reciprocating steam engines ... ..	355	31	386	322	80	402
Internal combustion engines :—						
Gas ... ..	162	—	162	81	8	89
Petrol, kerosene, or other light oils	—	—	—	8	—	8
Other prime movers	3	—	3	—	—	—
TOTAL ... ..	520	31	551	411	88	499
<b>ELECTRIC MOTORS.</b>	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.
Driven by						
Electricity generated in same works ...	617	86	703	629	40	669
Purchased electricity	11,457	945	12,402	7,996	753	8,749
TOTAL ... ..	12,074	1,031	13,105	8,625	793	9,418

**Consumption of fuel.**

The following table shows the quantities of coal, coke and electricity recorded as used in 1930 :—

Kind of fuel used.	For power (driving engines).		For other purposes (so far as recorded).	
	Tons.	Tons.	Tons.	Tons.
Coal ... ..	24,398	50,849*		
Coke ... ..	193	9,335*		
Electricity used for all purposes :—			B.T.U. (Kw.-hrs.) '000.	
Generated in same works ... ..			856	
Purchased ... ..			8,257	
TOTAL.—Electricity ... ..			9,113	

\* These figures were recorded by firms representing 96.7 per cent. of the net output of the whole trade.

## TABLES.

## I. Summary of results.

Particulars.	Unit.	England and Wales.	Scotland.	Great Britain.
Value of goods made and work done (Gross output) ... ..	£'000.	12,183	108	12,291
Cost of materials used ... ..	"	7,181	59	7,240
Paid for work given out to other firms... ..	"	56	1	57
Net output ... ..	"	4,946	48	4,994
Average number of persons employed (excluding outworkers) ... ..	No.	30,256	372	30,628
Net output per person employed (excluding outworkers) ... ..	£	163	129	163
Mechanical power available :—				
Prime movers ... ..	H.P.	3,226	2	3,228
Electric motors driven by purchased electricity ... ..	"	12,372	30	12,402

## II. Production.

Goods sold or added to stock and work done.	Unit.	England and Wales.	Scotland.	Great Britain.
Hats, caps and other headgear, trimmed and untrimmed :—				
Of straw ... ..	<i>Th. doz.</i>	1,109	—	1,109
	£'000.	2,560	—	2,560
Of wool felt (including bodies) ... ..	<i>Th. doz.</i>	1,716	—	1,716
	£'000.	3,049	—	3,049
Of fur felt (including bodies) ... ..	<i>Th. doz.</i>	818	—	818
	1'000.	3,395	—	3,395
Of cloth ... ..	<i>Th. doz.</i>	1,466	70	1,536
	£'000.	1,458	103	1,561
Of other materials ... ..	<i>Th. doz.</i>	148	—	148
	£'000.	396	—	396
Of straw, felt or other material, not separately distinguished ... ..	<i>Th. doz.</i>	36	—	36
	£'000.	111	—	111
TOTAL VALUE—Hats, caps, etc. ...	£'000.	10,969	103	11,072
Hatters' materials, etc. :—				
Hatters' fur ... ..	£'000.	452	—	452
Hatters' wares, trimmings, etc. ... ..	"	35	—	35
Hat linings ... ..	"	333	—	333
Hat and bonnet shapes of buckram, etc. ... ..	"	28	—	28
Other products (including waste products) ... ..	"	52	—	52
TOTAL VALUE OF GOODS MADE ...	"	11,869	103	11,972

Goods sold or added to stock and work done.	Unit.	England and Wales.	Scotland.	Great Britain.
Work done on commission or for the trade :—				
Bleaching and dyeing of straw plait, chip braids and hats ... ..	£'000.	166*	—	166*
Other work done on hatters' materials	"	74*	—	74*
Work done on other goods ... ..	"	74*	5*	79*
TOTAL VALUE OF WORK DONE ...	"	314*	5*	319*
TOTAL VALUE OF GOODS MADE AND WORK DONE (GROSS OUTPUT) ...	"	12,183	108	12,291

\* Amount received for work done.

## III. Employment.

A. NUMBERS EMPLOYED IN WEEK ENDED 18TH OCTOBER, 1930  
(EXCLUDING OUTWORKERS).

Persons employed (excluding outworkers).	Males.		Females.		Males and females.	
	Under 18.	All ages.	Under 18.	All ages.	Under 18.	All ages.
<i>England and Wales :—</i>						
Operatives ... ..	1,438	10,224	3,120	17,045	4,558	27,269
Administrative, etc.* ... ..	178	1,839	214	1,018	392	2,857
TOTAL ... ..	1,616	12,063	3,334	18,063	4,950	30,126
<i>Scotland :—</i>						
Operatives ... ..	10	37	117	297	127	334
Administrative, etc.* ... ..	12	34	2	11	14	45
TOTAL ... ..	22	71	119	308	141	379
<i>Great Britain :—</i>						
Operatives ... ..	1,448	10,261	3,237	17,342	4,685	27,603
Administrative, etc.* ... ..	190	1,873	216	1,029	406	2,902
TOTAL ... ..	1,638	12,134	3,453	18,371	5,091	30,505

\* Administrative, technical and clerical staff.

B. OPERATIVES EMPLOYED (EXCLUDING OUTWORKERS) IN ONE WEEK  
IN EACH MONTH OF 1930.

Week ended	Males and females.			Week ended	Males and females.		
	England and Wales.	Scotland.	Great Britain.		England and Wales.	Scotland.	Great Britain.
Jan. 18th	27,043	297	27,340	July 19th	28,186	321	28,507
Feb. 15th	27,625	324	27,949	Aug. 16th	26,935	347	27,282
Mar. 15th	27,906	326	28,232	Sept. 13th	27,906	337	28,243
April 12th	28,378	326	28,704	Oct. 18th	27,269	334	27,603
May 17th	28,998	318	29,316	Nov. 15th	25,409	330	25,739
June 21st	28,469	350	28,819	Dec. 13th	24,670	313	24,983
AVERAGE FOR THE 12 MONTHS ... ..					27,399	327	27,726

C. NUMBERS OF OUTWORKERS AT TWO SPECIFIED PERIODS IN 1930.

Country.	January.			July.		
	Males.	Females.	Total.	Males.	Females.	Total.
England and Wales	32	964	996	25	805	830
Scotland ... ..	—	6	6	—	5	5
Great Britain ... ..	32	970	1,002	25	810	835

IV. Power.

PARTICULARS OF PRIME MOVERS, ELECTRIC GENERATORS AND  
ELECTRIC MOTORS.

Power equipment.	England and Wales.		Scotland.		Great Britain.	
	Ordinarily in use.	In reserve or idle.	Ordinarily in use.	In reserve or idle.	Ordinarily in use.	In reserve or idle.
	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.
PRIME MOVERS.						
Reciprocating steam engines ... ..	2,254	98	—	—	2,254	98
Internal combustion engines:—						
Gas ... ..	714	77	2	—	716	77
Petrol, kerosene or other light oils...	—	45	—	—	—	45
Heavy oils ... ..	20	14	—	—	20	14
Other ... ..	4	—	—	—	4	—
TOTAL ... ..	2,992	234	2	—	2,994	234
TOTAL OF PRIME MOVERS INSTALLED	3,226		2		3,228	
	Kw.	Kw.	Kw.	Kw.	Kw.	Kw.
ELECTRIC GENERATORS						
Driven by						
Reciprocating steam engines ... ..	355	31	—	—	355	31
Internal combustion engines:—						
Gas ... ..	162	—	—	—	162	—
Other prime movers	3	—	—	—	3	—
TOTAL ... ..	520	31	—	—	520	31
TOTAL OF ELECTRIC GENERATORS INSTALLED	551		—		551	
	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.
ELECTRIC MOTORS.						
Driven by						
Electricity generated in same works ...	617	86	—	—	617	86
Purchased electricity	11,428	944	29	1	11,457	945
TOTAL ... ..	12,045	1,030	29	1	12,074	1,031
TOTAL OF ELECTRIC MOTORS INSTALLED	13,075		30		13,105	

## V. Consumption of fuel.

Kind of fuel used.	England and Wales.	Scotland.	Great Britain.
	Tons.	Tons.	Tons.
Coal used for power ... ..	24,398	—	24,398
Coke used for power ... ..	193	—	193
	B.T.U. (Kw.-hrs.) '000.	B.T.U. (Kw.-hrs.) '000.	B.T.U. (Kw.-hrs.) '000.
Electricity used for all purposes :—			
Generated in same works ... ..	856	—	856
Purchased ... ..	8,203	54	8,257
TOTAL—Electricity ... ..	9,059	54	9,113