

## THE TIMBER TRADE.

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## Introductory.\*

The tables on pages 105 to 110 are based on returns received from firms in Great Britain and Northern Ireland whose main business in 1924 consisted wholly or mainly in sawing timber into deals, planks, etc., or in the manufacture of joinery and other wood goods. Firms were instructed to exclude from their returns all particulars relating to timber that was purchased and resold in the same condition as received, or was merely cut into lengths to suit customers' convenience. Estate saw millers were also exempted from the obligation to make returns. Firms whose main business was the manufacture of crates, cases, etc., were required to make their returns on a separate schedule (that for the Wooden Crates, Cases, Boxes and Trunks Trades) and particulars of their output, etc., are given on pages 123 to 132. Builders with wood-working departments and jobbing carpenters whose work was mainly in connexion with buildings usually made their returns on the schedule for the Building and Contracting Trades, but a fair amount of work done in connexion with buildings was returned by firms on schedules for the Timber Trade.

The number of separate returns received on schedules for the Timber Trade was 6,419. About 2,700 firms to which schedules were sent did not furnish returns. Most of these firms, however,

\* See also the Notes on pages vii to xv.

either did jobbing work more or less irregularly with only a few workpeople, or owned small saw-mills which were only worked intermittently. Others ceased operations before the end of the census year or, beginning operations in that year, were not at work for the whole period. It is not possible to calculate the precise importance of the omitted firms but it was certainly small, and on the basis of the information available it is estimated that they did not employ more than 6,500 persons in all and that their total net output probably did not exceed £750,000.

*Summary of results.*—The following table shows the main results of the Censuses of 1924 and 1907, comparisons between the figures for the two years being subject to the qualifications mentioned in the next paragraph. The information received in connexion with the Census of 1912, when details of output were not required from firms employing five persons or less, and when the enquiry did not extend to the Building and Contracting Trades, was not sufficiently complete to warrant its use for purposes of comparison.

Particulars.	Unit.	1924.	1907.
Value of products and work done (Gross output)	£'000	28,791	16,819
Cost of materials used .. .. .	"	16,483	10,312
Paid for work given out to other firms .. .. .	"	82	74
Net output .. .. .	"	12,226	6,433
Average number of persons employed .. .. .	No.	66,246	78,223
Net output per person employed .. .. .	£	185	82
Mechanical power available :—			
Prime movers .. .. .	H.P.	95,402	97,319
Electric motors driven by purchased electricity .. .. .	"	72,294	(not recorded)

*Qualifications affecting comparisons.*—In considering the above table and the other tables in this report which show figures for different census years, it should be borne in mind that :—

(1) The comparability of figures relating to value or cost is affected by the changes which have taken place in the general purchasing power of money.

(2) The Census of 1907 covered Great Britain and the whole of Ireland, but that of 1924 applied only to Great Britain and Northern Ireland. The exclusion of Southern Ireland in 1924 does not seriously affect the comparability of the figures since, according to the Census of Production taken by the Government of the Irish Free State in respect of the year 1926, the total value of the goods made and work done in the Timber Trade (including coopering and the manufacture of crates, cases, etc.) in that year was returned as £942,000 and the average number of persons employed was 2,800.

*Value of output and cost of materials.*—The figures in the above table representing the value of goods made and work done and the cost of materials used, are the aggregates of the figures recorded by

the firms that made returns and, for the reasons explained in paragraphs (i) and (ii) on pages xii and xiii, they may over-state the value of the output of, and the cost of the materials used by, the Timber Trade considered as a whole. The matter is discussed on page 100, where it is estimated that the value, free from duplication, of the output of this trade in 1924 lay between £24,700,000 and £28,700,000, and the cost of the materials purchased from sources outside the trade and worked up into its products was not less than £12,500,000.

### Production.

Detailed information as to the output of the Timber Trade in 1924 will be found in Table II on pages 105 to 107.

In addition to the output dealt with in this report, carpentry and other work valued, on a cost basis, at £334,000 was carried out in 1924 by Railway Companies and Local Authorities.\*

*Principal products.*—The following statement shows, for 1924 and 1907, the value of the output of the principal classes of saw-mill products, of manufactures of timber and of work done recorded by firms that made returns on schedules for the Timber Trade, including also the value (£2,987,000) of similar output recorded by firms that furnished their returns on schedules for other trades.

Output sold or added to stock and work done.	1924.	1907.
	Selling value.	Selling value.
	£'000.	£'000.
Saw-mill products :—		
Deals, battens, planks, floorings, mouldings, etc. ..	12,358	7,972
Railway timber, returned as such .. .. .	1,064*	553
Pitprops and pitwood, returned as such .. .. .	918	378
Veneers and panel wood .. .. .	346	234
Other sorts .. .. .	1,003	509
TOTAL—SAW-MILL PRODUCTS .. .. .	15,689	9,646
Builders' woodwork .. .. .	5,338	2,517†
Fences, gates, hurdles, etc. .. .. .	646	128
Coffins .. .. .	966	230
Other wood goods .. .. .	2,709	1,310
Cork goods .. .. .	643	154
Firewood, shavings, sawdust, etc. .. .. .	494	474
	Amount received.	Amount received.
General and jobbing joinery work (not on buildings) ..	1,345	790
Work done on buildings, etc.† .. .. .	1,339	1,025
Sawing, planing and other work done "on hire" or on commission .. .. .	1,165	637
TOTAL VALUE—PRINCIPAL PRODUCTS AND WORK DONE	30,334	16,911

\* Sleepers only.

† Exclusive of the value of timber used.

‡ Includes some shop and office fittings.

"Other wood goods" in 1907 included "wood turnery of all kinds," £926,000, and "other wood goods," £384,000.

\* See pages 375 and 399.

In 1924 firms in the Timber Trade were required to classify their output in much greater detail than in 1907 and, in particular, to distinguish between saw-mill products of soft woods and those of hard woods. They were also required to return their output of saw-mill products by quantity, which was not done in 1907; some firms were unable to comply with this requirement but their output (including £247,000 returned on schedules for other trades) amounted to only £1,413,000, or one-twelfth of the output of saw-mill products recorded above. Particulars of the main classes of output in 1924 are given below in this more detailed classification.

Output sold or added to stock and work done.	Returned on schedules for			
	The Timber Trade.		All trades.	
	Quantity.	Selling value.	Quantity.	Selling value.
Saw-mill products :—	Th. cub. ft.	£'000.	Th. cub. ft.	£'000.
Sawn hard woods :—				
Oak .. .. .	5,842	1,285	5,885	1,293
Mahogany .. .. .	684	332	686	333
Teak .. .. .	183	111	183	111
Walnut .. .. .	22	10	22	10
Other sorts .. .. .	7,207	1,444	7,248	1,453
Not dis-tinguished { Quantity stated ..	526	139	526	139
tinguished { Quantity not stated ..	..	104	..	104
TOTAL { Quantity stated ..	14,464	3,321	14,550	3,339
{ Quantity not stated ..	..	104	..	104
Sawn soft woods :—	Th. loads.		Th. loads.	
Deals and planks .. .. .	220	1,555	235	1,661
Boards .. .. .	168	1,121	168	1,127
Other sorts .. .. .	106	857	107	868
Not distinguished .. .. .	82	526	82	526
TOTAL .. .. .	576	4,059	592	4,182
Planed or dressed woods :—				
Floorings .. .. .	174	1,269	176	1,280
Matchings .. .. .	102	763	103	771
Other sorts .. .. .	182	1,729	189	1,792
Not distinguished .. .. .	70	459	70	459
TOTAL .. .. .	528	4,220	538	4,302
Sawn, planed or dressed woods, not separately distinguished.				
Quantity stated ..	9	73	11	87
Quantity not stated ..	..	344	..	344
Sleepers of all kinds. { Quantity stated ..	214	1,043	214	1,043
{ Quantity not stated ..	..	19	..	21
Pitprops and pitwood. { Quantity stated ..	296	851	297	854
{ Quantity not stated ..	..	60	..	64
Veneers and panel wood. { Quantity stated ..	5	241	5	241
{ Quantity not stated ..	..	—	..	105
Plywood .. .. .	..	134	..	134
Other saw-mill products. { Quantity stated ..	62	221	62	228
{ Quantity not stated ..	..	505	..	641
TOTAL—SAW-MILL PRODUCTS	..	15,195	..	15,689

Output sold or added to stock and work done. (Continued.)	Returned on schedules for			
	The Timber Trade.		All trades.	
	Quantity.	Selling value.	Quantity.	Selling value.
	Th. loads.	£'000.	Th. loads.	£'000.
Manufactured joinery, etc. :—				
Builders' woodwork (window frames, doors, signs, etc.) ..	..	3,338	..	4,566
Portable buildings .. .. .	..	661	..	772
Coffins .. .. .	..	710	..	966
Fences, gates, hurdles, etc. ..	..	594	..	646
Cork goods .. .. .	..	514	..	643
Wood goods for Boot and Shoe Trades .. .. .	..	305	..	306
Wood goods for Textile Trades ..	..	120	..	249
Horticultural woodwork .. .. .	..	179	..	244
Wood wool, fibre, etc. .. .. .	..	159	..	179
Firewood, shavings, sawdust, etc.	..	427	..	494
Other wood goods .. .. .	..	1,560	..	1,731
TOTAL—MANUFACTURES OF WOOD	..	8,567	..	10,796
Work done :—		£'000.		£'000.
General and jobbing carpentry:		Amount received.		Amount received.
On buildings, exclusive of value of timber .. .. .	..	786	..	791
Other than on buildings .. .. .	..	1,104	..	1,345
Not distinguished .. .. .	..	548	..	548
Sawing, planing and other work done on hire or on commission	..	1,147	..	1,165
TOTAL VALUE OF WORK DONE	..	3,585	..	3,849
TOTAL VALUE OF PRINCIPAL PRODUCTS AND WORK DONE	..	27,347	..	30,334

The amount returned as received for work done, on commission or "on hire," on timber supplied by other firms or on purchasers' timber in 1924 aggregated £1,165,000 (of which £1,147,000 was returned on schedules for the Timber Trade) and included £742,000 for sawing, planing and moulding. Firms that made their returns on schedules for the Timber Trade reported that in 1924 they paid only £82,000 for work given out by them to other firms, and, therefore, £1,065,000 (the difference between £1,147,000 and £82,000) represented the amount received from merchant firms, and from builders, furniture-makers and other firms outside the Timber Trade.

*Other products.*—The goods included in the foregoing table represented, so far as they were shown in returns made on schedules for the Timber Trade, the main output of the firms by which they were manufactured, but, in addition, those firms included in their statements of output the following classes of goods which, being principally made by firms in other trades, are dealt with in the reports on those trades.

Goods made for sale or stock.	1924.	1907.
	Selling value.	Selling value.
	£'000.	£'000.
Crates, cases and boxes for packing merchandise	633	751
Chests, trunks and other boxes .. .. .	107	
Casks and barrels .. .. .	52	
Furniture, cabinetware and parts .. .. .	457	100
Shop and office fittings .. .. .	92	*
Other goods made .. .. .	103	16
<b>TOTAL VALUE</b> .. .. .	<b>1,444</b>	<b>867</b>

\* Included with manufactured joinery (builders' woodwork).

*Value of output free from duplication.*—There does not appear to be any material duplication within the aggregate value of *saw-mill products*, returned in 1924, on schedules for the Timber Trades, as £15,195,000. Joinery and other manufactures of timber, of a total value of about £9,800,000, were recorded by firms who were not themselves saw-millers and therefore obtained their supplies of timber already sawn or dressed either from saw-mills in this country or from abroad. The cost of the materials used by these firms was approximately £4,500,000, but this amount includes not only the cost of the timber, but also the cost of fuel and other materials used in connexion with the goods made or work done. It is not possible to say with any precision what allowance should be made for fuel or materials other than timber, or what proportion of the timber used was purchased from British saw-millers. If the whole of the timber used by the firms in question was sawn or dressed in British saw-mills, the duplication could not have exceeded £4,000,000, and it may have been considerably less, as a substantial amount of the timber used may be assumed to have been imported. The only item of duplication definitely identifiable is that of "work given out to other firms", which, as stated above, was returned as £82,000.

The total value of the output of the Timber Trade in 1924, free from duplication, may consequently be estimated at a sum lying between £24,700,000 and £28,700,000. The corresponding figure for 1907 was estimated as lying between £14,750,000 and £16,750,000.

*Cost of materials and work given out.*—The cost of materials used by firms that made their returns on schedules for the Timber Trade was returned as £16,483,000 in 1924, a sum which, by the exclusion of purchases of the products of other firms in the trade, may be reduced to not less than about £12,500,000; the corresponding net figure for 1907 was estimated as lying between £8,000,000 and £10,000,000.

The amount paid to other firms for work given out to them was returned as £82,000 in 1924, and £74,000 in 1907.

*Net output.*—The net output in 1924 of the firms that made their returns on schedules for the Timber Trade (whose gross output was valued at £28,791,000) was £12,226,000, that sum representing, without duplication, the total amount by which the value of the aggregate output exceeded the cost of the materials used and the amount paid to other firms for work given out to them.

The net output per head of persons employed in the censal year 1924 was £185 as compared with £82 in 1907.

*Exports and imports.*—The following table, relating to the year 1924, shows the total production of saw-mill products in relation to the imports of similarly described goods. The production figures are exclusive of a quantity of *sawn, planed or dressed woods, not separately distinguished*, valued at £431,000:—

Kind of timber.	Production.	Retained imports.
	In thousand cubic feet.	
Hard woods : Sawn :—		
Oak .. .. .	5,885	8,689
Mahogany .. .. .	686	1,432
Teak .. .. .	183	1,796
Walnut .. .. .	22	480
Other sorts or not specified .. .. .	8,228*	12,915
<b>TOTAL</b> .. .. .	<b>15,004*</b>	<b>25,312</b>
	In thousand loads.	
Soft woods : Sawn :—		
Deals, planks and battens .. .. .	235	2,188
Boards (not planed or dressed) .. .. .	168	1,152
Other sorts or not specified .. .. .	189	1,784
<b>TOTAL</b> .. .. .	<b>592</b>	<b>5,124</b>
Planed or dressed woods :—		
Floorings .. .. .	176	349
Matchings .. .. .	103	75
Other sorts or not specified .. .. .	259	80
<b>TOTAL</b> .. .. .	<b>538</b>	<b>504</b>
Pitprops or pitwood .. .. .	319*	3,004
Sleepers .. .. .	218*	452
	£'000.	£'000.
Veneers and panel wood .. .. .	346	79
Other wood or timber .. .. .	1,003	1,096

\* These figures contain estimates in respect of timber returned by value only.

British exports in 1924 were:—Sawn timber, 15,700 loads; planed timber, 3,000 loads; other sorts, 33,900 loads.

Retained imports of sawn fir in 1907 were 5,782,000 loads; of unenumerated sawn wood, 174,000 loads; and of pitprops, 2,627,000 loads. Differences of classification prevent comparisons being made in respect of other varieties of timber.

## Wages in 1924.

Under the Census of Production Act, 1906, the powers of the Board of Trade to require information do not extend to particulars of the amount of wages paid, and, consequently, no information on this head was secured in connexion with the Census of 1924. As a result, however, of the voluntary enquiry undertaken by the Ministry of Labour into wages and hours in the United Kingdom in 1924, information was obtained as to the total wage-bill of a group of firms in the Timber Trade that made returns both to the Ministry of Labour and to the Census of Production office. According to the Census records this group of firms employed, in the week ended 18th October, 1924, 22,603 operatives, or 40 per cent. of the total of 56,296 operatives for the trade as a whole, and their net output totalled £5,093,000, or 42 per cent. of the aggregate net output of £12,226,000 for the trade as a whole. The total wage-bill of these firms, as returned to the Ministry of Labour, was £2,802,000, representing about 55 per cent. of their aggregate net output.

## Employment.

The detailed information relating to employment in 1924 is summarised in Table III on pages 108 and 109. The following table sets out certain particulars for that year together with those relating to the 1907 Census. For the purpose of this comparison, the average numbers of operatives of each sex returned for 1924 have been divided between the two age-groups in the proportions shown by the data relating to the week ended 18th October.

Average number.	Males.		Females.		Males and females.	
	Under 18.	All ages.	Under 18.	All ages.	Under 18.	All ages.
<b>1924.</b>						
Operatives .. ..	8,760	51,996	879	2,896	9,639	54,892
Administrative, etc. ..	445	10,098	202	1,256	647	11,354
<b>TOTAL .. ..</b>	<b>9,205</b>	<b>62,094</b>	<b>1,081</b>	<b>4,152</b>	<b>10,286</b>	<b>66,246</b>
<b>1907.</b>						
Wage earners .. ..	10,076	66,767	795	2,502	10,871	69,269
Salariéd .. ..	628	8,633	53	321	681	8,954
<b>TOTAL .. ..</b>	<b>10,704</b>	<b>75,400</b>	<b>848</b>	<b>2,823</b>	<b>11,552</b>	<b>78,223</b>

The numbers of operatives recorded month by month in 1924 ranged from 1,372 below the average, in February, to 1,441 above the average, in November (see Table IIIB, page 109). From February to November the increase in the total was only interrupted in July and August.

## Mechanical Power.

The detailed information relating to mechanical power in 1924 is summarised in Table IV on page 110. The following table sets out the particulars for 1924 and 1907 relating to the capacity and kinds of *prime movers* and the capacity of *electric generators* installed.

Power equipment.	1924.			1907.
	Ordinarily in use.	In reserve or idle.	Total.	Total.
	H.P.	H.P.	H.P.	H.P.
<b>PRIME MOVERS :—</b>				
Reciprocating steam engines ..	48,198	3,312	51,510	62,127
Steam turbines .. ..	498	—	498	382
Gas engines .. ..	32,428	2,605	35,033	} 30,663
Petrol and light oil engines ..	4,353	246	4,599	
Heavy oil engines .. ..	2,120	23	2,143	
Water power .. ..	1,607	12	1,619	4,075
Other .. ..	—	—	—	72
<b>TOTAL .. ..</b>	<b>89,204</b>	<b>6,198</b>	<b>95,402</b>	<b>97,319</b>
	Kw.	Kw.	Kw.	Kw.
<b>ELECTRIC GENERATORS :—</b>				
Driven by—				
Reciprocating steam engines..	4,201	436	4,637	1,800
Steam turbines .. ..	195	—	195	25
Gas engines .. ..	2,403	576	2,979	} 481
Petrol and light oil engines ..	16	14	30	
Heavy oil engines .. ..	300	—	300	
Water power .. ..	17	1	18	
Other prime movers .. ..	—	—	—	
<b>TOTAL .. ..</b>	<b>7,132</b>	<b>1,027</b>	<b>8,159</b>	<b>2,306</b>

The capacity of *electric motors* recorded in 1924 was as shown below :—

Electric motors.	1924.		
	Ordinarily in use.	In reserve or idle.	Total.
	H.P.	H.P.	H.P.
Driven by—			
Electricity generated in own works .. ..	9,885	784	10,669
Purchased electricity .. ..	66,319	5,975	72,294

Corresponding information was not required for 1907. The total number of Board of Trade units of electricity purchased for power and lighting purposes in that year was returned as 3,420,000.

## Machinery Equipment.

In response to a request for voluntary information as to the kinds and numbers of machines at saw-mills, etc., at the end of 1924, firms

with an output of £20,793,000, or about 72 per cent. of the gross output of the Timber Trade as a whole, furnished the following information:—

Kind of machines.	In use.	Idle.	Total.	Proportion idle.
	Number.	Number.	Number.	Per cent.
Log and deal frames .. .. .	528	101	629	16
Horizontal and vertical log band saws ..	274	21	295	7
Other saws:—				
Circular .. .. .	6,765	599	7,364	8
Band .. .. .	1,648	118	1,766	7
Horizontal .. .. .	402	32	434	7
Veneer .. .. .	18	6	24	25
Veneer knives:—				
Flat .. .. .	10	2	12	17
Circular .. .. .	117	24	141	17
Planing and moulding machines .. .. .	3,410	220	3,630	6
Turning lathes .. .. .	2,175	431	2,606	16
Box-nailing machines .. .. .	42	12	54	22
Other sorts .. .. .	26	5	31	16

## TABLES.

## I.—Summary of results.

Particulars.	Unit.	England and Wales.	Scotland.	Great Britain.	Northern Ireland.
Value of products and work done (Gross output) .. .. .	£'000	24,192	4,207	28,399	392
Cost of materials used .. .. .	"	13,622	2,624	16,246	237
Paid for work given out to other firms .. .. .	"	76	6	82	—
Net output .. .. .	"	10,494	1,577	12,071	155
Average number of persons employed	No.	55,870	9,336	65,206	1,040
Net output per person employed ..	£	188	169	186	149
Mechanical power available:—					
Prime movers .. .. .	H.P.	76,467	15,834	92,301	3,101
Electric motors driven by purchased electricity .. .. .	"	64,985	6,970	71,955	339

## II.—Production.

Products sold or added to stock and work done.	Unit.	England and Wales.	Scotland.	Great Britain.	Northern Ireland.
		Quantity	and selling	g value.	
Saw-mill products:—					
Sawn hard woods:—					
Oak .. .. .	<i>Th. cub. ft.</i>	5,422	414	5,836	6
	£'000	1,197	87	1,284	1
Mahogany .. .. .	<i>Th. cub. ft.</i>	582	99	681	3
	£'000	289	41	330	2
Walnut .. .. .	<i>Th. cub. ft.</i>	22	—	22	—
	£'000	10	—	10	—
Teak .. .. .	<i>Th. cub. ft.</i>	155	28	183	—
	£'000	94	17	111	—
Other sorts .. .. .	<i>Th. cub. ft.</i>	6,512	650	7,162	45
	£'000	1,310	123	1,433	11
Not separately distinguished:—					
{ <i>Quantity stated</i> }	<i>Th. cub. ft.</i>	523	3	526	—
	£'000	138	1	139	—
{ <i>Quantity not stated</i> }	£'000	103	—	103	1
TOTAL—Sawn hard woods ..	£'000	3,141	269	3,410	15
Sawn soft woods:—					
Deals and planks ..	<i>Th. loads</i>	164.6	38.6	203.2	16.3
	£'000	1,203	253	1,456	99
Boards .. .. .	<i>Th. loads</i>	110.9	54.3	165.2	2.3
	£'000	773	334	1,107	14
Other sorts .. .. .	<i>Th. loads</i>	77.6	26.5	104.1	2.1
	£'000	624	219	843	14
Not separately distinguished.	<i>Th. loads</i>	72.7	9.4	82.1	0.5
	£'000	468	55	523	3
TOTAL—Sawn soft woods ..	£'000	3,068	861	3,929	130

## II.—Production—continued.

Products sold or added to stock and work done.	Unit.	England and Wales.	Scotland.	Great Britain.	Northern Ireland.
Saw-mill products—(contd.).		Quantity	and selling	value.	
Planed or dressed woods :—					
Floorings .. ..	Th. loads	132.4	35.5	167.9	5.7
	£'000	973	262	1,235	34
Matchings .. ..	Th. loads	77.8	19.3	97.1	5.6
	£'000	573	156	729	34
Other sorts .. ..	Th. loads	149.5	31.0	180.5	1.3
	£'000	1,407	313	1,720	9
Not separately distinguished.	Th. loads	55.3	14.6	69.9	0.1
	£'000	364	94	458	1
TOTAL—Planed or dressed woods .. ..	£'000	3,317	825	4,142	78
Woods, sawn, planed or dressed, not distinguished :—					
Quantity stated	Th. loads	9	—	9	—
Quantity not stated ..	£'000	73	—	73	—
Sleepers of all kinds :—	£'000	330	14	344	—
Quantity stated	Th. loads	182.5	31.5	214.0	—
Quantity not stated ..	£'000	963	80	1,043	—
Pitprops and pitwood :—	£'000	19	—	19	—
Quantity stated	Th. loads	89.7	206.3	296.0	—
Quantity not stated	£'000	265	586	851	—
Staves	Th. loads	1.7	2.6	4.3	—
Quantity stated	£'000	6	12	18	—
Quantity not stated	£'000	5	7	12	—
Veneers and panel wood	Th. loads	4.8	—	4.8	—
Plywood .. ..	£'000	241	—	241	—
Other and unspecified saw-mill products :—	£'000	134	—	134	—
Quantity stated	Th. loads	41.1	15.1	56.2	1.1
Quantity not stated	£'000	127	68	195	8
	£'000	480	13	493	—
TOTAL VALUE—SAW-MILL PRODUCTS .. ..	£'000	12,229	2,735	14,964	231
Manufactures of timber :—					
Builders' woodwork (window frames, doors, etc.) ..	£'000	2,969	142	3,111	19
Exhibition stands, theatrical scenery, etc. .. ..	"	130	—	130	—
Signs and sign writing ..	"	77	1	78	—
Portable buildings (bungalows, poultry houses, garages, etc.) .. ..	"	636	25	661	—
Coffins .. ..	"	613	85	698	12
Cork goods .. ..	"	415*	99	514*	*
Domestic woodware (bread platters, trays, pastry-boards, washboards, spoons and forks, clothes pegs, etc.) .. ..	"	187*	22	209*	*
Fences, gates, hurdles, etc.	"	570	23	593	1

\* See note on page 107.

## II.—Production—continued.

Products sold or added to stock and work done.	Unit.	England and Wales.	Scotland.	Great Britain.	Northern Ireland.
Manufactures of timber (contd.).		Quantity	and selling	value.	
Wood goods for :					
Boot and Shoe Trades ..	£'000	305	—	305	—
Carriage, Cart and Wagon Trades .. ..	"	130	9	139	—
Textile Trades .. ..	"	98*	22	120*	*
Tool handles :—					
Quantity stated	Th. gross	63	5	68	—
Quantity not stated	£'000	95	20	115	—
	£'000	28	2	30	—
Horticultural woodwork, rustic and garden furniture, etc. .. ..	"	178	1	179	—
Furniture and cabinet ware	"	326	17	343	1
Parts of furniture .. ..	"	113	—	113	—
Shop and office fittings ..	"	88	4	92	—
Picture frames .. ..	"	51	—	51	1
Crates, cases and boxes for packing merchandise ..	"	536	80	616	17
Chests, travelling trunks and other boxes, cases, etc., of wood .. ..	"	72*	35	107*	*
Casks and barrels .. ..	"	16*	36	52*	*
Other finished wood goods ..	"	1,013	43	1,056	11
Wood wool, fibre, flour, etc.	"	144*	15	159*	*
Firewood, shavings, sawdust, etc. .. ..	"	343	70	413	14
Other goods made .. ..	"	43	6	49	2
TOTAL VALUE OF PRODUCTS	£'000	21,372	3,492	24,864	342
		Amount received.			
General and jobbing carpentry :					
On buildings, exclusive of the value of timber used ..	£'000	587	197	784	2
Other than on buildings ..	"	800	296	1,096	8
Not distinguished .. ..	"	368	177	545	3
Work done, on commission or "on hire", on timber supplied by other firms or on purchasers' timber :					
Sawing and planing timber, deals, etc. .. ..	"	484	23	507	15
Planing and moulding .. ..	"	81	4	85	3
Sawing, planing and moulding, not separately distinguished	"	121	—	121	2
Turning, carving, fret cutting, veneer cutting .. ..	"	149	8	157	17
Creosoting .. ..	"	141	10	151	
Other and unspecified work	"	89	—	89	
TOTAL VALUE OF WORK DONE	£'000	2,820	715	3,535	50
TOTAL VALUE OF PRODUCTS AND WORK DONE (GROSS OUTPUT)	£'000	24,192	4,207	28,399	392

\* In order to avoid the possible disclosure of information relating to individual firms in Northern Ireland, the figures for that division of the United Kingdom have been combined with those for England and Wales and for Great Britain.

## III.—Employment.

## A.—NUMBERS EMPLOYED IN WEEK ENDED 18TH OCTOBER, 1924.

Kind of staff.	Males.		Females.		Males and females.	
	Under 18.	All ages.	Under 18.	All ages.	Under 18.	All ages.
<i>England and Wales :—</i>						
Operatives .. ..	7,616	44,940	733	2,473	8,349	47,413
Administrative, etc.* ..	389	8,480	141	994	530	9,474
TOTAL .. ..	8,005	53,420	874	3,467	8,879	56,887
<i>Scotland :—</i>						
Operatives .. ..	1,167	7,475	170	496	1,337	7,971
Administrative, etc.* ..	47	1,476	56	237	103	1,713
TOTAL .. ..	1,214	8,951	226	733	1,440	9,684
<i>Great Britain :—</i>						
Operatives .. ..	8,783	52,415	903	2,969	9,686	55,384
Administrative, etc.* ..	436	9,956	197	1,231	633	11,187
TOTAL .. ..	9,219	62,371	1,100	4,200	10,319	66,571
<i>Northern Ireland :—</i>						
Operatives .. ..	200	909	—	3	200	912
Administrative, etc.* ..	9	142	5	25	14	167
TOTAL .. ..	209	1,051	5	28	214	1,079
<i>United Kingdom :—</i>						
TOTAL .. ..	9,428	63,422	1,105	4,228	10,533	67,650

\*Administrative, technical and clerical staff.

## B.—OPERATIVES EMPLOYED IN ONE WEEK IN EACH MONTH OF 1924.

*England and Wales. (Annual average : Males, 43,965 ; Females, 2,431 ; Total, 46,396.)*

Week ended.	Males.	Females.	Total.	Week ended.	Males.	Females.	Total.
Jan. 12th ..	42,944	2,437	45,381	July 19th ..	43,609	2,382	45,991
Feb. 16th ..	42,949	2,430	45,379	Aug. 16th ..	42,879	2,371	45,250
Mar. 15th ..	43,469	2,423	45,892	Sept. 13th ..	44,512	2,388	46,900
April 12th ..	43,931	2,414	46,345	Oct. 18th ..	44,940	2,473	47,413
May 17th ..	44,091	2,423	46,514	Nov. 15th ..	45,025	2,492	47,517
June 21st ..	44,321	2,402	46,723	Dec. 13th ..	44,904	2,531	47,435

*Scotland. (Annual average : Males, 7,161 ; Females, 462 ; Total, 7,623.)*

Jan. 12th ..	6,853	445	7,298	July 19th ..	7,044	448	7,492
Feb. 16th ..	6,828	438	7,266	Aug. 16th ..	6,976	473	7,449
March 15th ..	6,884	432	7,316	Sept. 13th ..	7,326	477	7,803
April 12th ..	7,158	450	7,608	Oct. 18th ..	7,475	496	7,971
May 17th ..	7,223	455	7,678	Nov. 15th ..	7,447	487	7,934
June 21st ..	7,431	439	7,870	Dec. 13th ..	7,290	503	7,793

*Great Britain. (Annual average : Males, 51,126 ; Females, 2,893 ; Total, 54,019.)*

Jan. 12th ..	49,797	2,882	52,679	July 19th ..	50,653	2,830	53,483
Feb. 16th ..	49,777	2,868	52,645	Aug. 16th ..	49,855	2,844	52,699
March 15th ..	50,353	2,855	53,208	Sept. 13th ..	51,838	2,865	54,703
April 12th ..	51,089	2,864	53,953	Oct. 18th ..	52,415	2,969	55,384
May 17th ..	51,314	2,878	54,192	Nov. 15th ..	52,472	2,979	55,451
June 21st ..	51,752	2,841	54,593	Dec. 13th ..	52,194	3,034	55,228

*Northern Ireland. (Annual average : Males, 870 ; Females, 3 ; Total, 873.)*

Jan. 12th ..	861	3	864	July 19th ..	786	3	789
Feb. 16th ..	871	3	874	Aug. 16th ..	880	3	883
March 15th ..	859	3	862	Sept. 13th ..	898	3	901
April 12th ..	857	3	860	Oct. 18th ..	909	3	912
May 17th ..	867	3	870	Nov. 15th ..	878	3	881
June 21st ..	883	3	886	Dec. 13th ..	897	3	900



## IV.—Mechanical Power.

## PARTICULARS OF PRIME MOVERS, ELECTRIC GENERATORS AND ELECTRIC MOTORS.

(a) Ordinarily in use. (b) In reserve or idle.	England and Wales.	Scotland.	Great Britain.	Northern Ireland.
<b>PRIME MOVERS :—</b>	H.P.	H.P.	H.P.	H.P.
Reciprocating steam engines.. { (a)	36,605	9,638	46,243	1,955
.. .. .. { (b)	2,200	950	3,150	162
Steam turbines .. .. { (a)	153	315	468	30
Gas engines .. .. { (a)	29,121	2,763	31,884	544
.. .. .. { (b)	2,148	267	2,415	190
Petrol and light oil engines .. { (a)	3,327	937	4,264	89
.. .. .. { (b)	211	35	246	—
Heavy oil engines .. .. { (a)	1,914	138	2,052	68
.. .. .. { (b)	23	—	23	—
Water power .. .. { (a)	753	791	1,544	63
.. .. .. { (b)	12	—	12	—
<b>TOTAL .. .. { (a)</b>	<b>71,873</b>	<b>14,582</b>	<b>86,455</b>	<b>2,749</b>
.. .. .. { (b)	<b>4,594</b>	<b>1,252</b>	<b>5,846</b>	<b>352</b>
<b>TOTAL OF PRIME MOVERS INSTALLED</b>	<b>76,467</b>	<b>15,834</b>	<b>92,301</b>	<b>3,101</b>
<b>ELECTRIC GENERATORS :—</b>	Kw.	Kw.	Kw.	Kw.
Driven by—				
Reciprocating steam engines { (a)	3,153	770	3,923	278
.. .. .. { (b)	185	251	436	—
Steam turbines .. .. { (a)	—	195	195	—
Gas engines .. .. { (a)	2,303	—	2,303	100
.. .. .. { (b)	496	—	496	80
Petrol and light oil engines { (a)	16	—	16	—
.. .. .. { (b)	14	—	14	—
Heavy oil engines .. .. { (a)	300	—	300	—
.. .. .. { (b)	17	—	17	—
Water power .. .. { (a)	1	—	1	—
.. .. .. { (b)	1	—	1	—
<b>TOTAL .. .. { (a)</b>	<b>5,789</b>	<b>965</b>	<b>6,754</b>	<b>378</b>
.. .. .. { (b)	<b>696</b>	<b>251</b>	<b>947</b>	<b>80</b>
<b>TOTAL OF ELECTRIC GENERATORS INSTALLED .. ..</b>	<b>6,485</b>	<b>1,216</b>	<b>7,701</b>	<b>458</b>
<b>ELECTRIC MOTORS :—</b>	H.P.	H.P.	H.P.	H.P.
Driven by—				
Electricity generated in own { (a)	8,347	923	9,270	615
works .. .. { (b)	702	32	734	50
Purchased electricity .. .. { (a)	59,708	6,292	66,000	319
.. .. .. { (b)	5,277	678	5,955	20