

THE JUTE 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 spinning of jute yarns or the weaving of jute piece-goods, carpets and rugs, etc. The trade is almost entirely localised in Scotland and as separate particulars for England and Wales and for Scotland cannot be published for the year 1930 owing to the risk of disclosure of information relating to individual firms, the summary table (I) and the tables showing details of power equipment (IV) and coal, coke and electricity used (V) are not appended to this report. The whole of this information is available in the tables given in the report itself.

The following table shows the main results of the Censuses of 1930 and 1924 in respect of firms in Great Britain. All firms in this trade reported that they employed more than ten persons on the average both at the 1930 Census and at that for 1924.

Particulars.	Unit.	1930.	1924.
Value of goods made and work done (Gross output)	£'000	9,605	14,206
Cost of materials used	"	6,946	9,765
Paid for work given out to other firms	"	19	51
Net output	"	2,640	4,390
Average number of persons employed	No.	28,727	34,402
Net output per person employed	£	92	128
Mechanical power available :—			
Prime movers	H.P.	50,031	52,501
Electric motors driven by purchased electricity...	"	15,834	7,260
Number of returns	No.	84	80
Number of establishments	"	90	*

* Not available.

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.	Net output per person employed.
		£'000	£'000		£
25-49	7	168	33	299	110
50-99	7	218	52	421	123
100-199	18	1,002	181	2,640	68
200-299	18	1,811	458	4,615	99
300-399	13	1,391	410	4,605	89
400-499	7	1,194	355	3,170	112
500-749	6	1,139	223	3,608	62
750 and over	8	2,682	928	9,369	99
TOTAL ...	84	9,605	2,640	28,727	92

Northern Ireland.—No production of jute yarns, piece-goods or carpets was recorded for Northern Ireland in 1930 or 1924.

Production.

Total make of jute yarns.—Firms that made their returns on schedules for the Jute Trade were required to state the total quantity of jute yarns spun by them in the year, whether these yarns were woven or otherwise used by the firms spinning them or were sold to other firms. The total weight of jute yarns spun in 1930 by firms in the Jute Trade was 2,880,000 cwts. In addition 9,000 cwts. of jute yarns were recorded on eight schedules for other trades. The total make of jute yarns in 1930 and 1924 is shown below :—

	Th. cwts.
1930	2,889
1924	3,714

The difference between the total quantity of yarn spun by firms in the Jute Trade and the amount recorded by those firms as "made for sale" represents the quantity used by the spinners themselves in the manufacture of jute goods. The quantity so used was 837,000 cwts. in 1930 and about 1,145,000 cwts. in 1924.

Principal products.—The following table shows the quantity and value of jute yarns, piece-goods, carpets and rugs, etc., made in 1930 and 1924 for sale :—

Kind of goods.	1930.						1924.	
	Returned on schedules for						Total.	
	The Jute Trade.			All trades.				
	Quantity.	Value.	Ent-ries.	Quantity.	Value.	Ent-ries.	Quantity.	Value.
Jute yarns ...	Th. cwts. 2,043	£'000. 3,971	No. 47	Th. cwts. 2,049	£'000. 3,981	No. 51	Th. cwts. 2,506	£'000. 5,694
	Th. sq. yds.			Th. sq. yds.			Th. sq. yds.	
Jute piece-goods* Jute carpets and rugs*	324,230	4,523	54	330,771	4,677	70	396,054	7,518
	2,739	241	6	2,771	249	7	5,802	419
Other manufactures of jute, except cordage, sacks and bags†	Th. cwts. 7	22	8	Th. cwts. 7	22	8	Th. cwts. 46	167
				†	53	5	†	30
TOTAL VALUE— PRINCIPAL PRO- DUCTS ... ..	...	8,757	...	...	8,982	...	...	13,828

* The weights of jute piece-goods and of jute carpets and rugs corresponding to the square yardage shown in the table are as follows :

Jute piece-goods ...	1,725,000 cwts and 1,769,000 cwts. respectively in 1930 and 2,262,000 cwts. in 1924.
Jute carpets and rugs	43,000 cwts. and 44,000 cwts. respectively in 1930 and 82,000 cwts. in 1924.

† Quantity not stated.

‡ The output of cordage, cables, ropes and twine of jute and of jute sacks and bags is dealt with in the reports on the Rope, Twine and Net Trade (see page 229) and the Canvas Goods and Sack Trade (see page 244) respectively.

The average weight per square yard of jute piece-goods was 0.60 lbs. in 1930 and 0.64 lbs. in 1924, while that of jute carpets and rugs was 1.78 lbs. in 1930 and 1.58 lbs. in 1924.

Prices.—The average selling values of yarns, piece-goods and carpets and rugs of jute in 1930 and 1924, as calculated from the Census returns, are shown in the following table. It should be borne in mind, however, 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.	Unit.	Average value.		1930 as a percentage of 1924.
		1930.	1924.	
				Per cent.
Jute yarns	£ per cwt.	1·94	2·27	85·5
	£ per cwt.	2·64	3·32	79·5
Jute piece-goods ...	£ per 1,000 sq. yds.	14·14	18·98	74·5
	£ per cwt.	5·64	5·12	110·2
Jute carpets and rugs	£ per 1,000 sq. yds.	90·05	72·21	124·7

Volume of production in 1930 and 1924.—The following table compares the volume of production of jute yarns and manufactures 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.
Jute yarns	3,981	5,694	4,868	82
Jute piece-goods ...	4,677	7,518	5,789*	81
Jute carpets and rugs ...	249	419	522†	48
Other manufactures of jute, except cordage, sacks and bags	75	197	168‡	44
TOTAL	8,982	13,828	11,347	79

* Based on average of values per 1,000 sq. yds. and per cwt.

† Based on average value per 1,000 sq. yds.

‡ Based on average value of jute yarns.

Production, exports and imports.—The following table shows, in relation to production, the quantities of jute yarns, piece-goods and carpets and rugs exported from the United Kingdom in 1930 and 1924 together with the quantities imported and retained:—

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. cwts.	Th. cwts.	
			Per cent.	Th. cwts.	Th. cwts.	Per cent.	
Jute yarns ... { 1930	2,889	320	11·1	25	2,594	99·0	
... { 1924	3,714	398	10·7	28	3,344	99·2	
	Th. sq. yds.	Th. sq. yds.		Th. sq. yds.	Th. sq. yds.		
Jute piece-goods * { 1930	330,771*	109,860	33·2	65,209	286,120	77·2	
... { 1924	396,054*	166,106	41·9	68,192	298,140	77·1	
Jute carpets and rugs ... { 1930	2,771	305	11·0	1,914	4,380	56·3	
... { 1924	5,802	824	14·2	1,747	6,725	74·0	

* Exclusive of piece-goods made up into sacks, bags and other goods by the firms that wove them.

Work done for the trade or on commission, etc.—Firms that made their returns on schedules for the Jute Trade stated that they received the sum of £44,000 for work done in 1930 for other firms; the corresponding figure for 1924 was £8,000.

Other products.—In addition to the output shown in the table of principal products on page 157 the following goods were produced in 1930 and 1924 by firms that made their returns on schedules for the Jute Trade. These goods are dealt with in the reports on those trades in which the principal output was recorded.

Kind of goods.	1930.	1924.
	Value.	Value.
	£'000	£'000
Linen piece-goods	89	202
(Th. sq. yds.)	(1,991)	(5,342)
Made-up sacks and bags of jute, new	463	295
(Th. doz.)	(1,318)	(525)
Cordage, cables, ropes and twine (mainly of jute) ...	136	165
(Th. cwts.)	(55)	(64)
Other manufactures of linen and hemp	45	131
Other goods made	4	
TOTAL	737	793

Waste products sold.—The following sales of jute waste were recorded on schedules for the Jute Trade :—

	1930.		1924.	
	Th. cwts.	£'000	Th. cwts.	£'000
Jute waste :—				
Mill dust	90	3	} 38†	
Other waste*	128	64		
TOTAL	218	67	38	

* Threads, ropes, jute cuttings, cloth cuttings, etc.

† Weight not recorded.

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)						
Administrative, technical and clerical staff (as at October 18th)	1,879	9,140	3,253	18,765	5,132	27,905
TOTAL	84	682	19	140	103	822
TOTAL	1,963	9,822	3,272	18,905	5,235	28,727
1924.						
Operatives (average for the year)						
Administrative, technical and clerical staff (as at October 18th)	2,507	10,756	3,813	22,769	6,320	33,525
TOTAL	106	715	21	162	127	877
TOTAL	2,613	11,471	3,834	22,931	6,447	34,402

Wages.—The available information as to the amount of wages paid in 1930 and 1924 is given on pages 18 and 19.

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.
PRIME MOVERS.						
Reciprocating steam engines	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.
Reciprocating steam engines	36,226	3,750	39,976	38,998	3,018	42,016
Steam turbines	5,610	3,680	9,290	5,890	3,900	9,790
Internal combustion engines :—						
Gas	477	—	477	306	183	489
Petrol, kerosene or other light oils	16	—	16	26	—	26
Water engines	272	—	272	180	—	180
TOTAL	42,601	7,430	50,031	45,400	7,101	52,501
ELECTRIC GENERATORS.						
Driven by	Kw.	Kw.	Kw.	Kw.	Kw.	Kw.
Reciprocating steam engines	3,098	176	3,274	1,843	399	2,242
Steam turbines	3,242	2,750	5,992	3,784	2,750	6,534
Internal combustion engines :—						
Gas	10	5	15	13	—	13
Petrol, kerosene or other light oils	8	—	8	14	—	14
Water engines	43	—	43	19	—	19
TOTAL	6,401	2,931	9,332	5,673	3,149	8,822
ELECTRIC MOTORS.						
Driven by	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.
Electricity generated in same works	6,450	3,203	9,653	6,384	1,346	7,730
Electricity generated in other works under same ownership	174	—	174	—	—	—
Purchased electricity	14,758	1,076	15,834	7,161	99	7,260
TOTAL	21,382	4,279	25,661	13,545	1,445	14,990

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).	For power and other purposes, not separately distinguished.
	Tons.	Tons.	Tons.
Coal	98,272	24,042*	2,966
Coke	—	214*	—
Electricity used for all purposes :—			B.T.U. (Kw.-hrs.)
Generated in same works			'000
Generated in other works under same ownership			10,093
Purchased			198
			14,422
TOTAL—Electricity			24,713

* These figures were recorded by firms representing 86.0 per cent. of the net output of the whole trade.

TABLES.

Note.—Owing to the possible disclosure of information relating to individual firms, separate particulars for England and Wales and for Scotland cannot be given.

I.—Summary of results (see page 155).

II.—Production.

A.—TOTAL MAKE OF JUTE YARNS, AS RETURNED ON SCHEDULES FOR THE JUTE TRADE.....2,880,000 cwts.

B.—OUTPUT SOLD OR ADDED TO STOCK AND WORK DONE.

Goods sold or added to stock and work done.	Quantity.		Value.
	Th. cwts.	Th. sq. yds.	£'000
Jute yarns	2,043	...	3,971
Jute piece-goods	1,725	324,230	4,523
Jute carpets and rugs	43	2,739	241
Other manufactures of jute, except cordage, sacks and bags	7	...	22
Made-up sacks and bags of jute	{ 144	Th. doz.	392
	{ *	1,063	71
		255	
Cordage, cables, ropes and twine (mainly of jute)	55	...	136
Linen piece-goods ... ..	...	Th. sq. yds.	89
Other manufactures of linen and hemp ... ..	...	1,991	45
Other goods made ... ..	...	...	4
Jute waste :—			
Mill dust	90	...	3
Other waste (threads, ropes, jute cuttings, cloth cuttings, etc.)	128	...	64
Work done for the trade or on commission, etc.	...	...	44†
TOTAL VALUE OF GOODS MADE AND WORK DONE (GROSS OUTPUT) ... ..	...	...	9,605

* Weight not stated.

† Amount received for work done.

III.—Employment.**A.—NUMBERS EMPLOYED IN WEEK ENDED 18TH OCTOBER, 1930.**

Persons employed.	Males.		Females.		Males and females.	
	Under 18.	All ages.	Under 18.	All ages.	Under 18.	All ages.
Operatives	1,781	8,663	3,083	17,785	4,864	26,448
Administrative, technical and clerical staff	84	682	19	140	103	822
TOTAL	1,865	9,345	3,102	17,925	4,967	27,270

B.—OPERATIVES EMPLOYED IN ONE WEEK IN EACH MONTH OF 1930.

Week ended	Males and females.	Week ended	Males and females.
January 18th ...	30,774	July 19th ...	27,530
February 15th ...	30,754	August 16th ...	26,905
March 15th ...	29,889	September 13th ...	26,870
April 12th ...	29,520	October 18th ...	26,448
May 17th ...	28,274	November 15th ...	25,874
June 21st ...	26,940	December 13th ...	25,082
AVERAGE FOR THE 12 MONTHS			27,905

IV.—Power (see page 161).**V.—Consumption of fuel** (see page 162).