

THE LINEN AND HEMP 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 and weaving of flax and hemp, including the making-up of linen and hemp goods in so far as that work was carried out by such firms. Firms that made canvas goods and sacks from purchased fabrics furnished their returns on a separate schedule (see pp. 241-54) and the manufacture of ropes and cordage is also dealt with in a separate report (pp. 225-40).

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	4,911	9,128
Cost of materials used	"	3,084	5,843
Paid for work given out to other firms	"	90	126
Net output	"	1,737	3,159
Average number of persons employed (excluding outworkers)... ..	No.	16,077	24,547
Net output per person employed (excluding outworkers)	£	108	129
Mechanical power available :—			
Prime movers	H.P.	23,189	32,577
Electric motors driven by purchased electricity... ..	"	6,340	4,876
Number of returns	No.	93	146
Number of establishments	"	100	*

* 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 123, the corresponding figure for 1924 being 90. The value of the gross output of the small firms in 1924 was £26,000, and the various items included are given below :—

Manufactures of linen :—	Th. sq. yds.	£'000
Piece-goods :—		
Plain, unbleached	11	1
Sailcloth or canvas	32	4
Made-up household articles ... ..	...	1
Cordage and other manufactures of hemp ... ..	...	10
Cotton piece-goods (including mixtures) ... ..	...	5
Other goods ... ..	...	5
		—
TOTAL VALUE		26
		—

In addition, five firms to which schedules were sent in connection with the 1930 Census 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	4	35	13	68	196
25-49	19	218	86	662	130
50-99	24	620	225	1,748	128
100-199	24	1,095	321	3,179	101
200-299	9	741	242	2,209	109
300-399	5	359	113	1,676	67
400 and over ...	8	1,843	737	6,535	113
TOTAL ...	93	4,911	1,737	16,077	108

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		£	
2	1930	13	210	77	608	127
	1924	21	371	148	955	155
3	1930	9	386	110	988	111
	1924	13	680	195	1,275	153
6	1930	8	246	95	784	122
	1924	26	1,081	477	3,579	133
1 and 4 ...	1930	5	65	28	184	150
1, 4 and 5	1924	7	167	59	477	124
9 and 10...	1930	58	4,004	1,427	13,513	106
	1924	79	6,829	2,280	18,261	125
TOTAL	1930	93	4,911	1,737	16,077	108
	1924	146	9,128	3,159	24,547	129

* For particulars see page xviii.

Production.

Total make of flax yarns.—Firms that made their returns on schedules for the Linen and Hemp Trade were required to state the total quantity of flax and hemp 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 particulars furnished with regard to flax yarns are summarised below, the figures shown being inclusive of the weight of yarns spun by firms that made their returns on schedules for other trades. The quantities so included in the 1930 figures are 8,260 cwts. of line yarns and 17,310 cwts. of tow yarns. Separate particulars are also shown for Northern Ireland, which is the most important flax and linen producing area in the United Kingdom. The 1930 figures are defective to the extent of the output of small firms (i.e., firms in Great Britain that employed an average of ten or fewer persons, and firms in Northern Ireland that employed an average of five or fewer persons) but the output of these firms is believed to be negligible. The 1924 figures represent the output of all firms, irrespective of size.

Kind of yarns.	Great Britain.	Northern Ireland.	United Kingdom.	
	cwts.	cwts.	cwts.	
Flax line yarns	1930	118,190	188,260	306,450
	1924	111,600*	225,400	337,000
Flax tow yarns	1930	150,570	215,080	365,650
	1924	173,000*	349,000	522,000
Flax yarns, not separately distinguished	1924	9,600	—	9,600
TOTAL—Flax yarns	1930	268,760	403,340	672,100
	1924	294,200*	574,400	868,600

* These figures include small quantities of yarns returned by firms in Northern Ireland that made returns on schedules for trades other than the Linen and Hemp Trade. Separate particulars regarding these firms are not available for publication.

The total make of hemp yarns is dealt with in the report on the Rope, Twine and Net Trade (see page 228), in which trade the bulk of the hemp yarns was produced.

Principal products.—The following table shows the value and, where available, the quantity of flax and hemp yarns and manufactures thereof (except cordage, sacks, bags, linen clothing and made-up canvas goods) made in 1930 and 1924 for sale. The particulars shown relate to production in Great Britain only, the output of firms in Northern Ireland being dealt with in a later paragraph.

Kind of goods.	1930 (Great Britain).						1924 (Great Britain).	
	Returned on schedules for						Total.	
	The Linen and Hemp Trade.			All trades.				
Quantity.	Value.	Ent- ries.	Quantity.	Value.	Ent- ries.	Quantity.	Value.	
FLAX AND LINEN.	Th. cwts.	£'000.	No.	Th. cwts.	£'000.	No.	Th. cwts.	£'000.
Flax, dressed (line) and flax tow ...	20.4	100	8	21.3	102	10	34.2§	244§
Flax line yarns ...	54.2	371	12	55.0	379	14	60.8	612
Flax tow yarns ...	85.2	364	16	86.8	372	19	127.1	822
Flax yarns, not separ- ately distinguished	—	—	—	—	—	—	9.6	62
Finished thread ...	14.7	461	6	14.7	461	6	13.7	604
Linen piece-goods :*	Th.			Th.			Th.	
Plain, bleached and unbleached	sq. yds. 15,024	986	39	sq. yds. 17,639	1,116	54	sq. yds. 21,823	1,351
Damask and diaper	775	77	17	775	77	17	2,615	318
Checked, printed or dyed ...	1,768	132	21	1,768	132	21	2,073	199
Sailcloth or canvas	12,632	953	23	14,987	1,210	27	16,759	1,900
TOTAL—Linen piece- goods ...	30,199	2,153	...	35,169	2,535	...	43,270	3,768
Canvas hose-pipes	...	152	6	...	328	11	||	||
Made-up household articles of linen or union cloth†	...	357	23	...	404	31	...	735
Other manufactures of flax or linen (ex- cept cordage, linen clothing and made- up canvas goods)	...	8	3	...	10	5	...	111
TOTAL VALUE— FLAX AND LINEN	...	3,966	...	...	4,591	...	...	6,958§
HEMP.	Th. cwts.			Th. cwts.			Th. cwts.	
Hemp, dressed (line)	0.6	2	5	0.6	2	5	}¶	¶
Hemp tow ...	4.4	5	5	4.4	5	5		
Hemp line yarns	5.9	30	}8	17.7	58	}22	20.2	83
Hemp tow yarns	23.9	79		33.8	104				22
Hemp yarns, not separately dis- tinguished ...	†	11	†	†	14	†	43.0	181
Other manufactures of hemp (except cordage, sacks and bags) ...	...	12	4	...	26	8	...	17
TOTAL VALUE— HEMP ...	...	148	...	...	222	...	...	281
TOTAL VALUE— PRINCIPAL PRO- DUCTS ...	...	4,114	...	...	4,813	...	...	7,239

* Including manufactures of linen mixed with other materials if known as "linens".

† i.e., Doylies, traycloths, tablecloths, bedspreads, pillow cases, towels, etc.

‡ Weight not stated.

§ Including hemp, dressed (line) and hemp tow.

|| Included with "Made-up canvas goods" (see table of "Other products" on page 146).

¶ Included with flax, dressed (line) and flax tow.

Northern Ireland.—The following table summarises the particulars recorded at the Census of Production taken by the Government of Northern Ireland for 1930, together with those furnished at the 1924 Census. It should be borne in mind that the 1930 figures relate to firms that employed an average of more than five persons.

Particulars.	Unit.	1930.	1924.
Value of goods made and work done (Gross output)	£'000	18,070	28,435
Cost of materials used ...	"	12,400	19,001
Paid for work given out to other firms ...	"	596	493
Net output ...	"	5,074	8,941
Average number of persons employed (excluding outworkers)...	No.	56,647	74,758
Net output per person employed (excluding out- workers) ...	£	90	120
Mechanical power available :—			
Prime movers ...	H.P.	73,832	71,715
Electric motors driven by purchased electricity...	"	1,746	1,994

The figures for 1924 include a large proportion of the output of shirts, collars and other made-up garments of linen and cotton, but at the Census of 1930 the entire output of these goods was allocated to the Clothing group of trades (see pages 364 and 388). The number of employees whose output was affected by this change in classification was about 4,000 in 1924, or 5.4 per cent. of the total number recorded for that year as employed in the Linen Trade in Northern Ireland.

The basis of the returns made by Irish linen and hemp manufacturers differed from that adopted for firms in Great Britain, separate departmental returns being required in respect of the four main sections which the trade comprises, viz. spinning, thread-making, weaving and making-up. Transfers of yarns from spinning departments to thread-making or weaving departments of the same firm were recorded by the former departments as sales and by the latter departments as purchases. Similarly, transfers of piece-goods from weaving departments to making-up departments were recorded as sales and purchases respectively. This method results in a large amount of duplication both in the value of the gross output and in the cost of materials, owing to the double or triple record of the same material at different stages of manufacture, the duplication amounting in 1930 to some £7 million.

The quantities and values of the chief classes of goods included in the gross output value of £18,070,000 are shown below with corresponding particulars for 1924, classified according to the department in which they were produced.

Kind of goods.	1930.		1924.	
	Quantity.	Value.	Quantity.	Value.
<i>Spinning Department :—</i>	Th. cwts.	£'000	Th. cwts.	£'000
✓ Flax line yarns ✓	188.2	2,327	214.4	4,284
✓ Flax tow yarns... .. ✓	212.7	1,317	346.2	3,640
✓ Hemp line yarns ✓	10.5	73	4.8	48
✓ Hemp tow yarns ✓	21.4	107	19.2	144
Mixed flax and hemp tow yarns	8.7	50	*	*
Flax, dressed (line)	44.6	295	64.0	760
Flax tow	49.6	126	92.8	470
Hemp, dressed (line)	0.6	3	1.0	4
Hemp tow	0.9	2	0.6	3
Waste	85.9	43	131.6	68
Other products ... ..	...	36	...	59
Total value of goods made in Spinning Department ... ..	...	4,379	...	9,480
<i>Thread-making Department :—</i>	Th. cwts.	£'000	Th. cwts.	Value.
Finished linen thread	36.0	706	41.2	1,083
Other products ... ..	...	88	...	70
Total value of goods made in Thread-making Department ... ..	...	794	...	1,153
<i>Weaving Department :—</i>	Th.	£'000	Th.	£'000
Linen piece-goods, loom state :—	sq. yds.	sq. yds.	sq. yds.	sq. yds.
✓ Plain†	90,074	3,933	129,437	7,395
✓ Diapers, drills, huckabacks, etc. (heddle-woven)	3,532	285	3,606	284
Damask and/or Jacquard-woven fabrics	11,265	828	18,127	1,441
Damask and diaper, not separately distinguished	11,477	724	9,434	793
Other products ... ..	...	123	...	155
Total value of goods made in Weaving Department ... ..	...	5,893	...	10,068
<i>Making-up Department :—</i>		£'000		£'000
Goods made-up from linen or union cloth :—				
Household articles ... ..	...	3,621	...	3,449
Linen piece-goods "made-up" ... ..	...	787	...	†
Handkerchiefs ... ..	...	1,260	...	1,902
Made-up cotton goods and other products (including work done for the trade) ... ..	...	1,336§	...	2,383
Total value of goods made and work done in Making-up Department... ..	...	7,004	...	7,734
TOTAL VALUE OF GOODS MADE AND WORK DONE ... ..	...	18,070	...	28,435

* Not recorded separately.

† Including a very small quantity of sailcloth or canvas.

‡ Not ascertained.

§ Not including shirts, collars and other articles of clothing (see p. 388).

Prices.—The average selling values of flax and hemp yarns, linen thread and linen piece-goods made in Great Britain in 1930 and 1924, as calculated from the Census returns, are shown in the following table, together with similar particulars in respect of Northern Ireland. 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.	Average value.				1930 as a percentage of 1924.	
	1930.		1924.		Great Britain.	Northern Ireland.
	Great Britain.	Northern Ireland.	Great Britain.	Northern Ireland.		
	£	£	£	£	Per cent.	Per cent.
	per cwt.	per cwt.	per cwt.	per cwt.		
Flax line yarns	6.89	12.36	10.06	19.98	68.5	61.9
Flax tow yarns	4.29	6.19	6.47	10.51	66.3	58.9
Hemp line yarns	3.30	6.95	4.10	10.00	80.5	69.5
Hemp tow yarns	3.11	5.00	4.21	7.50	73.9	66.7
Finished thread	31.39	19.61	44.09	26.29	71.2	74.6
	£ per 1,000 sq. yds.	£ per 1,000 sq. yds.	£ per 1,000 sq. yds.	£ per 1,000 sq. yds.		
Linen piece-goods :—						
Plain, bleached and unbleached	63.25	43.66*	61.72	57.13*	102.5	76.4
Damask and diaper	99.02	69.92	121.70	80.79	81.4	86.5
Checked, printed or dyed	74.84	†	95.82	†	78.1	—
Sailcloth or canvas	80.71	—	113.37	—	71.2	—

* Including a very small quantity of sailcloth or canvas.

† Not recorded for Northern Ireland.

Volume of production in 1930 and 1924.—The following table compares the volume of production of flax and hemp yarns, linen piece-goods, etc., in Great Britain in 1930 and 1924. A column is added showing the relative increase or decrease in production in the United Kingdom in 1930 as compared with 1924.

Kind of goods.	Great Britain.			United Kingdom.	
	Total production.			1930 as a percentage of 1924.	1930 as a percentage of 1924.
	1930.	1924.			
	As returned.	As returned.	At 1930 average values.	Per cent.	Per cent.
£'000	£'000	£'000	Per cent.	Per cent.	
Flax, dressed (line) and flax tow	109*	244*	158*	69	62
Flax line yarns	379	612	419	90	88
Flax tow yarns	372	822	545	68	63
Flax yarns, not separately distinguished	—	62	42†	—	—
Finished thread	461	604	430	107	94
Linen piece-goods :—					
Plain, bleached and unbleached	1,116	1,351	1,386	80	72
Damask and diaper	77	318	259	30	78
Checked, printed or dyed... ..	132	199	155	85	85§
Sailcloth or canvas	1,210	1,900	1,353	89	89§
Made-up household articles of linen or union cloth	404	735	716‡	60	114
Hemp line yarns	67	83	67	100	140
Hemp tow yarns	118	181	134	89	96
Other manufactures of flax, hemp or linen (except cordage, sacks, bags, linen clothing, canvas hose-pipes and made-up canvas goods)	40	128	100¶	40	90
TOTAL	4,485||	7,239	5,764	78	83

* Including hemp, dressed (line) and hemp tow.

† Based on mean average value of line and tow yarns.

‡ Based on average value of linen piece-goods except sailcloth and canvas.

§ Great Britain. No particulars recorded for Northern Ireland.

|| Excluding canvas hose-pipes (£328,000), which, for purposes of comparison with 1924 figures, are dealt with in the report on the Canvas Goods and Sack Trade (see page 246).

¶ Based on average value of made-up canvas goods.

Production, exports and imports.—The following table shows, in relation to production, the quantities of flax yarns, linen piece-goods, etc., exported from the United Kingdom in 1930 and 1924, together with the quantities imported and retained. The figures for both 1930 and 1924 include the recorded output of firms in Northern Ireland and those for 1924 include, in addition, the output of small firms. Hemp yarns are dealt with in the report on the Rope, Twine and Net Trade (see page 232).

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.		
						Per cent.		
	Th. cwts.	Th. cwts.	Per cent.	Th. cwts.	Th. cwts.	Per cent.		
Flax line yarns ...	1930	306.5	40.7	13.3	38.8	304.6	87.3	
	1924	337.0	47.8	14.2	61.1	350.3	82.6	
Flax tow yarns ...	1930	365.6	25.8	7.1	51.2	391.0	86.9	
	1924	522.0	34.3	6.6	88.4	576.1	84.7	
TOTAL—Flax yarns ...	1930	672.1	66.5	9.9	90.0	695.6	87.1	
	1924	868.6*	82.1	9.5	149.5	936.0	84.0	
Finished thread ...	1930	50.7	17.6	34.7	0.9	34.0	97.4	
	1924	54.9	23.7	43.2	7.1	38.3	81.5	
Linen piece-goods :—	Mill. sq. yds.	Mill. sq. yds.		Mill. sq. yds.	Mill. sq. yds.			
Plain, bleached and unbleached	1930	107.7†	38.9	35.0	9.3	0.1‡	98.0	89.9
Damask and diaper ...								
Checked, printed or dyed ...	1924	27.0	0.6‡	8.2	0.5	3.0	43.3	
Sailcloth or canvas ...								
Plain, bleached and unbleached	1924	151.2†	63.4	53.7	7.1	94.1	92.0	
Damask or diaper ...								
Checked, printed or dyed ...	1924	33.7	2.4‡	34.6	0.4	10.0	64.0	
Sailcloth or canvas ...								
TOTAL — Linen piece-goods ...	1930	150.8	61.4	40.7	11.6	101.0	88.5	
	1924	203.8	110.8	54.4	11.1	104.1	89.4	

* Including 9,600 cwts. of unclassified flax yarns.

† Including a very small quantity of sailcloth or canvas made in Northern Ireland.

‡ In addition *damask table linen, not in the piece*, valued at £1,080,000 was exported in 1930, the corresponding net imports being valued at £53,000. The value of the exports in 1924 was £1,466,000 and of the net imports, £24,000.

§ Re-exports in excess of imports by £336.

The large excess of exports over production shown in the case of checked, printed or dyed piece-goods is due to the fact that piece-goods returned by the weavers as *plain* were printed, dyed, etc., before exportation. For particulars of the quantities so treated see the report on the Textile Finishing Trade (page 190).

Note.—The particulars which follow relate only to Great Britain.

Work done for the trade or on commission, etc.—Firms that made their returns on schedules for the Linen and Hemp Trade stated that they received the sum of £47,000 for work done in 1930 for other firms; the corresponding figure for 1924 was £91,000. Of the total of £47,000 recorded for 1930, £30,000 was in respect of hem-stitching, £1,000 in respect of spinning and £16,000 in respect of other work done; similar details are not available for 1924.

Other products.—In addition to the output shown in the table of principal products on page 140, the following goods were produced in 1930 and 1924 by firms that made their returns on schedules for the Linen and Hemp Trade. These goods are dealt with in the reports on those trades in which the principal output was recorded. The lower value shown for 1930 may be largely ascribed to the assignment of certain firms (or departments of firms for which separate returns were made) to other trades (e.g., the Canvas Goods and Sack Trade, the Clothing Trade, etc.) than those in which the same firms or departments were classified at the previous Census.

Kind of goods.	1930.	1924.
	Value.	Value.
	£'000	£'000
Cordage, cables, ropes and twine	50	404
Cotton piece-goods	127	113
Made-up household articles of cotton	145	194
Jute yarns and manufactures	214	476
Other textile manufactures	123	1,053*
Other goods made	36	28
TOTAL	695	2,268

* Including made-up canvas goods, hose-pipes, etc., (£265,000); linen and union shirts, collars and cuffs (£420,000); hemp sacks, bags and nets (£243,000); etc.

Waste products sold.—The following sales of waste products were recorded by firms in the Linen and Hemp Trade in 1930 and 1924:—

	1930.	1924.
	£'000.	£'000.
Flax waste	15	54
Hemp waste (including oakum)	40	
TOTAL	55	54

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)	578	4,047	2,760	11,268	3,338	15,315
Administrative, technical and clerical staff (as at 18th October)	38	579	21	183	59	762
TOTAL	616	4,626	2,781	11,451	3,397	16,077
1924.						
Operatives (average for the year)	1,045	5,993	4,363	17,342	5,408	23,335
Administrative, technical and clerical staff (as at 18th October)	84	941	33	271	117	1,212
TOTAL	1,129	6,934	4,396	17,613	5,525	24,547
Average number of outworkers:—						
1930	—	—	8	—	8	—
1924	—	—	298	—	298	—

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.
	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.
PRIME MOVERS.						
Reciprocating steam engines	21,598	219	21,817	22,020	7,709	29,729
Steam turbines	—	—	—	415	60	475
Internal combustion engines:—						
Gas	787	70	857	1,052	264	1,316
Petrol, kerosene, or other light oils	—	7	7	23	11	34
Heavy oils	186	—	186	75	—	75
Water engines	322	—	322	893	55	948
TOTAL	22,893	296	23,189	24,478	8,099	32,577

Power equipment.	1930.			1924.		
	Ordinarily in use.	In reserve or idle.	Total.	Ordinarily in use.	In reserve or idle.	Total.
ELECTRIC GENERATORS.	Kw.	Kw.	Kw.	Kw.	Kw.	Kw.
Driven by						
Reciprocating steam engines ...	2,979	33	3,012	2,265	958	3,223
Steam turbines ...	—	—	—	40	—	40
Internal combustion engines :—						
Gas ...	34	12	46	95	60	155
Petrol, kerosene or other light oils	—	3	3	1	—	1
Heavy oils ...	75	—	75	7	—	7
Water engines ...	45	—	45	95	—	95
TOTAL ...	3,133	48	3,181	2,503	1,018	3,521
ELECTRIC MOTORS.	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.
Driven by						
Electricity generated in same works ...	2,089	106	2,195	1,992	916	2,908
Purchased electricity	5,446	894	6,340	3,116	1,760	4,876
TOTAL ...	7,535	1,000	8,535	5,108	2,676	7,784

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.
Coal ...	52,000	21,844*
Coke ...	1,116	217*
		B.T.U. (Kw.-hrs.) '000.
Electricity used for all purposes :—		
Generated in same works ...		3,665
Purchased ...		5,966
TOTAL—Electricity ...		9,631

* These figures were recorded by firms representing 83.3 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	907	4,004	4,911
Cost of materials used ...	"	594	2,490	3,084
Paid for work given out to other firms...	"	3	87	90
Net output ...	"	310	1,427	1,737
Average number of persons employed (excluding outworkers) ...	No.	2,564	13,513	16,077
Net output per person employed (excluding outworkers) ...	£	121	106	108
Mechanical power available :—				
Prime movers ...	H.P.	3,474	19,715	23,189
Electric motors driven by purchased electricity ...	"	1,194	5,146	6,340

II. Production.

A.—TOTAL MAKE OF YARNS AS RETURNED ON SCHEDULES FOR THE LINEN AND HEMP TRADE.

Kind of yarns.	England and Wales.	Scotland.	Great Britain.
	Th. cwts.	Th. cwts.	Th. cwts.
Flax yarns :—			
Line ...	3.8	106.1	109.9
Tow ...	3.1	130.2	133.3
Hemp yarns :—			
Line (Italian, Russian and other soft hems)	4.9	14.2	19.1
Tow (mainly Italian, Russian and other soft hems)	20.8	15.7	36.5
Jute yarns ...	*	*	7.5

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

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

Goods sold or added to stock and work done.	Unit.	England and Wales.	Scotland.	Great Britain.
FLAX AND LINEN.				
Flax, dressed (line) and flax tow	<i>Th. cwts.</i>	—	20·4	20·4
	£'000	—	100	100
Flax line yarns	<i>Th. cwts.</i>	*	*	54·2
	£'000	*	*	371
Flax tow yarns	<i>Th. cwts.</i>	*	*	85·2
	£'000	*	*	364
Finished thread	<i>Th. cwts.</i>	*	*	14·7
	£'000	*	*	461
Linen piece-goods (including manufactures of linen mixed with other materials, if known as "linens") :—				
Plain, bleached and un-bleached	<i>Th. sq. yds.</i>	1,607	13,417	15,024
	£'000	146	840	986
Damask and diaper	<i>Th. sq. yds.</i>	*	*	775
	£'000	*	*	77
Checked, printed or dyed	<i>Th. sq. yds.</i>	142	1,626	1,768
	£'000	15	117	132
Sailcloth or canvas	<i>Th. sq. yds.</i>	2,575	10,057	12,632
	£'000	159	799	958
TOTAL—Linen piece-goods...	<i>Th. sq. yds.</i>	*	*	30,199
	£'000	*	*	2,153
Canvas hose-pipes	£'000	*	*	152
Made-up goods of linen or union cloth :—				
Household articles	"	38	319	357
Made-up canvas goods (rick covers, tarpaulins, tents, buckets, etc.)	"	*	*	38
Other manufactures of flax or linen (except cordage)	"	*	*	8
Flax waste sold	"	1	14	15
HEMP.				
Hemp, dressed (line)	<i>Th. cwts.</i>	*	*	0·6
	£'000	*	*	2
Hemp tow	<i>Th. cwts.</i>	*	*	4·4
	£'000	*	*	5
Hemp line yarns (Italian, Russian and other soft hems) :—				
<i>Weight stated</i>	<i>Th. cwts.</i>	*	*	5·9
	£'000	*	*	30
<i>Weight not stated</i>	£'000	*	*	9

Goods sold or added to stock and work done.	Unit.	England and Wales.	Scotland.	Great Britain.
HEMP— <i>contd.</i>				
Hemp tow yarns (mainly Italian, Russian and other soft hems) :—				
<i>Weight stated</i>	<i>Th. cwts.</i>	16·5	7·4	23·9
	£'000	54	25	79
<i>Weight not stated</i>	£'000	11	—	11
	Other manufactures of hemp (except cordage, sacks and bags)	£'000	*	*	12
Hemp waste (including oakum) sold	"	*	*	40
MISCELLANEOUS.				
Cordage, cables, ropes and twine	"	19	31	50
Cotton piece-goods	"	*	*	127
Made-up goods of cotton (household articles)	"	64	81	145
Jute yarns and manufactures	"	*	*	214
Other textile manufactures	"	58	27	85
Other goods made	"	20	16	36
Work done for the trade or on commission, etc. :—				
Spinning	"	1†	—	1†
Hem-stitching	"	*	*	30†
Other work	"	13†	3†	16†
TOTAL VALUE OF GOODS MADE AND WORK DONE (GROSS OUTPUT)	"	907	4,004	4,911

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

† 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	53	758	342	1,558	395	2,316
Administrative, etc.* ...	8	138	4	50	12	188
TOTAL	61	896	346	1,608	407	2,504
<i>Scotland</i> :—						
Operatives	511	3,194	2,353	9,446	2,864	12,640
Administrative, etc.* ...	30	441	17	133	47	574
TOTAL	541	3,635	2,370	9,579	2,911	13,214
<i>Great Britain</i> :—						
Operatives	564	3,952	2,695	11,004	3,259	14,956
Administrative, etc.* ...	38	579	21	183	59	762
TOTAL	602	4,531	2,716	11,187	3,318	15,718

* Administrative, technical and clerical staff.

B.—OPERATIVES (EXCLUDING OUTWORKERS) EMPLOYED 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	2,516	12,905	15,421	July 19th	2,428	12,682	15,110
Feb. 15th	2,531	13,131	15,662	Aug. 16th	2,309	12,617	14,926
Mar. 15th	2,375	13,355	15,730	Sept. 13th	2,178	12,396	14,574
April 12th	2,432	13,473	15,905	Oct. 18th	2,316	12,640	14,956
May 17th	2,432	13,506	15,938	Nov. 15th	2,250	12,730	14,980
June 21st	2,418	13,165	15,583	Dec. 13th	2,338	12,667	15,005
AVERAGE FOR THE 12 MONTHS ...					2,376	12,939	15,315

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

Country.	January.			July.		
	Males.	Females.	Total.	Males.	Females.	Total.
<i>England and Wales</i> ...	—	2	2	—	2	2
<i>Scotland</i>	—	6	6	—	6	6
<i>Great Britain</i>	—	8	8	—	8	8

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	2,885	25	18,713	194	21,598	219
Internal combustion engines :—						
Gas	257	70	530	—	787	70
Petrol, kerosene or other light oils...	—	7	—	—	—	7
Heavy oils	140	—	46	—	186	—
Water engines	90	—	232	—	322	—
TOTAL	3,372	102	19,521	194	22,893	296
TOTAL OF PRIME MOVERS INSTALLED ...	3,474		19,715		23,189	
	Kw.	Kw.	Kw.	Kw.	Kw.	Kw.
ELECTRIC GENERATORS.						
Driven by						
Reciprocating steam engines	375	—	2,604	33	2,979	33
Internal combustion engines :—						
Gas	15	12	19	—	34	12
Petrol, kerosene or other light oils	—	3	—	—	—	3
Heavy oils	75	—	—	—	75	—
Water engines	—	—	45	—	45	—
TOTAL	465	15	2,668	33	3,133	48
TOTAL OF ELECTRIC GENERATORS INSTALLED ...	480		2,701		3,181	

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.
ELECTRIC MOTORS.						
Driven by Electricity generated in same works	214	30	1,875	76	2,089	106
Purchased electricity	1,147	47	4,299	847	5,446	894
TOTAL ...	1,361	77	6,174	923	7,535	1,000
TOTAL OF ELECTRIC MOTORS INSTALLED ...	1,438		7,097		8,535	

V. Consumption of fuel.

Kind of fuel used.	England and Wales.	Scotland.	Great Britain.
	Tons.	Tons.	Tons.
Coal used for power	7,112	44,888	52,000
Coke used for power	638	478	1,116
	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	309	3,356	3,665
Purchased	786	5,180	5,966
TOTAL—Electricity	1,095	8,536	9,631