

THE SILK AND ARTIFICIAL SILK TRADE

INTRODUCTORY

This trade comprises firms engaged wholly or mainly in throwing and weaving silk, spinning and weaving silk waste and in manufacturing, spinning and weaving artificial silk.

Firms producing cotton goods as well as goods of artificial silk are included in this trade if the weaving of artificial silk was the more important section of their businesses. In 1924, however, such firms were included in the Cotton Trade.

Table I A.—General summary

Particulars	1935	1934	1933	1930	1924*
	£'000	£'000	£'000	£'000	£'000
Value of products (Gross output)...	36,110	32,812	32,690	28,730	20,299
Cost of materials, fuel and electricity used	19,000	16,945	16,952	15,830	9,513
Amount paid for work given out...	920	844	773	656	634
Estimated Excise duty	2,091	2,167	3,150	1,600	—
Net output	14,099	12,856	11,815	10,644	10,152
	No.	No.	No.	No.	No.
Average number of persons employed (excluding outworkers) ...	81,825	72,946	67,739	69,830	39,932
	£	£	£	£	£
Net output per person employed (excluding outworkers)	172	176	174	152	254
	No.	No.	No.	No.	No.
Number of returns	288	†	†	254	185
Number of establishments...	333	†	†	305	†

* See the introductory note above. The figures do, however, include particulars in respect of certain firms manufacturing silk and artificial silk hosiery, whose returns were classified in the Hosiery Trade for later years; the value of the output of these firms in 1924 was about £700,000 and the average number of persons employed about 1,700.

† Not available.

Table I B.—Firms employing not more than ten persons on the average

Particulars	1935	1930	1924
	No.	No.	No.
Number of returns received	40	56	32
Average number of persons employed :—			
Males... ..	95	122	64
Females	131	213	130
Total	226	335	194
Number of firms not making returns	—	12	16

In 1924 the value of the gross output of the small firms making returns was 0·3 per cent. of the total.

Table II.—Size of establishments in 1935

Size of establishment (average number employed)	Number of establishments	Gross output	Net output	Number of persons employed (excluding outworkers)	Net output per person employed
	No.	£'000	£'000	No.	£
11-24	51	392	158	933	169
25-49	62	935	358	2,167	165
50-99	70	1,992	791	4,958	160
100-199	70	4,172	1,488	9,442	158
200-299	32	4,380	1,336	8,133	164
300-399	11	1,701	561	3,781	148
400-499	9	1,661	547	3,967	138
500-749	9	2,236	810	5,537	146
750-999	5	1,777	663	4,370	152
1,000-1,499	3	1,341	454	3,961	115
1,500 and over	11	15,523	6,933	34,576	201
TOTAL	333	36,110	14,099	81,825	172

Table III.—Particulars of output, etc., in each of the principal areas of the United Kingdom

Area*	Number of establishments†	Gross output	Net output	Average number of persons employed (excluding outworkers)	Net output per person employed
	No.	£'000	£'000	No.	£
2	118	12,610	4,076	28,010	145
... ..	90	9,227	2,546	21,718	117
3	91	5,217	1,692	10,215	166
... ..	61	3,906	1,001	8,624	116
5	37	5,942	3,069	14,509	212
... ..	39	4,583	2,281	12,054	189
6	25	6,608	2,440	14,225	172
9	5	470	198	1,485	133
10	11	1,247	513	3,540	145
14	9	369	174	868	200
Other areas	37	3,647	1,937	8,973	216
All other areas... ..	87	12,341	5,262	29,091	181
... ..	64	11,014	4,816	27,434	176
TOTAL	333	36,110	14,099	81,825	172
... ..	254	28,730	10,644	69,830	152

* For particulars see page xviii.

† Number of returns for 1930.

Table IV.—Sub-divisions of the industry

Group	Number of establishments*	Gross output	Value of characteristic products	Net output	Average number of persons employed (excluding outworkers)	Net output per person employed
					No.	£
Artificial silk manufacturers	1935					
	18	£'000	£'000	£'000	No.	£
1930	24	16,862	13,065	7,305	34,808	210
		13,191	10,202	5,983	32,914	182
Silk throwing 1935	33	2,642	2,265	844	5,041	167
Silk spinning 1935	19	686	398	284	2,148	132
Silk and artificial silk weaving 1935	149	13,017	11,409	4,052	27,564	147
Sewing silks, ribbons and smallwares manufacture ... 1935	62	1,320	986	682	4,414	155
Work done on commission or for the trade 1935	33	870	850	677	6,154	110
Other goods 1935	19	713	...	255	1,696	150
Total (excluding manufacture of artificial silk) ...	1935					
	315	19,248	...	6,794	47,017	145
1930	230	15,539	...	4,661	36,916	126
TOTAL ...	1935					
	333	36,110	...	14,099	81,825	172
1930	254	28,730	...	10,644	69,830	152

* Number of returns for 1930.

The particulars for each group given in the above table relate to *establishments* at which the main output consisted of goods covered by that group. In considering the figures of the value of characteristic products it should be borne in mind that some firms carry out more than one process at the same establishment, i.e., the manufacture of artificial silk and the subsequent weaving of goods therefrom; in such cases the figures relate to the particular goods denoted in the first column.

PRODUCTION

Table V A.—Total make of Silk Yarn and Artificial Silk, 1924-1935

(including output used for further manufacturing purposes in the same works)

Kind of goods	1924	1930	1933	1934	1935	
					Quantity	Entries
	Th. lbs.	Th. lbs.	Th. lbs.	Th. lbs.	Th. lbs.	No.
Thrown silk :—						
Wholly of silk, undischarged ...	394	1,059	2,124	2,676	3,539*	38
Of silk mixed with other materials, undischarged ...						
TOTAL — Thrown silk ...	394	1,364	2,716	3,056	3,878	...
Spun silk yarn (including noil yarn) :—						
Wholly of silk ...	1,832	1,344	1,500	1,880	1,726	17
Of silk mixed with other materials ...						
TOTAL—Spun silk yarn ...	1,832	1,351	1,518	1,888	1,732	...
Artificial silk † :—						
Singles yarn and straw	22,003	49,975	82,336	90,324	111,937	14
Waste (including staple fibre) ...	‡	2,650	4,497	4,754	12,489	14
TOTAL — Artificial silk ...	...	52,625	86,833	95,078	124,426	...

* Including 2,000 lbs. (1 entry) returned on a schedule for another trade.

† The figures shown represent the quantities of singles yarn, staple fibre and waste produced by manufacturers of artificial silk. The amounts recorded by other firms in respect of yarn made from purchased staple fibre are not regarded as additional to the total output of artificial silk. Waste returned by firms other than artificial silk makers is also excluded.

‡ Not recorded.

Table V B.—Consumption of Silk Yarn and Artificial Silk in 1935

Trade	Silk yarn	Artificial silk yarn (including waste and staple fibre)
	Th. lbs.	Th. lbs.
Silk and Artificial Silk :—		
Used in same works (for doubling, weaving etc.) ...	650	11,300
Purchased*... ..	699	40,296
Total	1,349	51,596
Cotton (Spinning and Doubling)	†	6,829
Cotton (Weaving)	39	22,499
Woollen and Worsted	337	2,764
Hosiery	2,665	21,346
Lace	82	2,968
Elastic Webbing	9	1,378
Incandescent Mantles	†	47
TOTAL	4,481	109,427
Total production	5,610	124,426
Exports	1,452	18,174‡
Retained imports	196	2,480‡
AMOUNT AVAILABLE FOR CONSUMPTION	4,354	108,732

* Including transfers from other works of the same firm.

† Not recorded.

‡ Including yarn mixed with other materials.

The production figure given above for artificial silk yarn represents the total amount of artificial silk and waste produced (including staple fibre but not staple fibre yarn), but the purchases figures for the various trades relate to artificial silk (continuous filament) and staple fibre yarn except those for the Cotton Spinning and Doubling and the Woollen and Worsted Trade which include staple fibre; the quantities of staple fibre so included are 6,829,000 lbs. and 278,000 lbs., respectively.

It should be noted that the figures given for consumption in other trades and for exports and imports may include yarn in either the single or doubled state.

Table V C.—Principal products made for sale

Kind of output	1935			1934	
	Quantity	Value	Entries	Quantity	Value
	Th. lbs.	£'000	No.	Th. lbs.	£'000
Thrown silk :—					
Wholly of silk :—					
Undischarged	3,085	1,801	23	2,270	1,446
Discharged	102	119	8	94	109
Of silk mixed with other materials (undischarged and discharged)	338	96	7	376	119
Total—Thrown silk	3,525	2,016	...	2,740	1,674
Spun silk yarn (including noil yarn) :—					
Wholly of silk	1,428	546	17	1,407	551
Of silk mixed with other materials	7	4	5	8	4
Total—Spun silk yarn	1,435	550	...	1,415	555
Artificial silk yarn and straw :—					
Wholly of artificial silk :—					
Singles yarn and straw :—					
Of staple fibre, including yarn made from artificial silk waste	7,410	601	31	1,090	137
Other yarn	84,107	10,130	26	69,121	9,196
Yarn purchased and wound or otherwise processed (not doubled)	1,971	267	13	1,478	230
Doubled or twisted thread advanced beyond the stage of singles yarn* :—					
Wholly of artificial silk :—					
Crepe	2,036	408	11	13,496	2,513
Other (including staple fibre)	14,574	2,389	58		
Of artificial silk mixed with other materials†	738	158	27	661	138
Total—Artificial silk yarn and straw ... ..	...	13,953	...	...	12,214
TOTAL—Silk and artificial silk yarn ... ..	...	16,519	...	...	14,443
Sewing and embroidery silks :—					
Of silk and mixtures	319	363	24	389	412
Of artificial silk and mixtures	174	50	16			264	67
				...	10
TOTAL—Sewing and embroidery silks ... ..	...	413	...	...	489

Kind of output	1935				1934		
	Quantity		Value	En-tries	Quantity		Value
	Th. sq. yds.	Th. lbs.	£'000	No.	Th. sq. yds.	Th. lbs.	£'000
Piece-goods wholly of silk :—							
Natural undyed tissues :—							
Undischarged ...	561	81	87	20	340†	51†	61†
Discharged ...	1,017	183	280	18	1,568†	274†	462†
Other fabrics of silk :—							
Bleached or dyed, including dyed in the yarn ...	3,715	582	713	30	4,169†	581†	798†
Printed ...	65	8	12	4			
Other descriptions, including pile fabrics (dyed or not dyed) ...	703	67	126	11			
Total— Piece-goods wholly of silk ...	6,061	921	1,218	...	6,077	906	1,321
Piece-goods of silk mixed with other materials, if known as "silks" :—							
Damasks, tapestries, brocades and the like ...	33	11	15	8	2,320	548	374
Bleached, printed or dyed, including dyed in the yarn...	1,515	234	204	19			
Other descriptions, including pile fabrics ...	607	161	108	24			
Unclassified...	242	40	34	22			
Total— Piece-goods of silk mixed with other materials ...	2,397	446	361	...	2,320	548	374
TOTAL— Piece-goods of silk or of silk mixed with other materials ...	8,458	1,367	1,579	...	8,397	1,454	1,695

Kind of output	1935				1934		
	Quantity		Value	En-tries	Quantity		Value
	Th. sq. yds.	Th. lbs.	£'000	No.	Th. sq. yds.	Th. lbs.	£'000
Piece-goods wholly of artificial silk :—							
Containing staple fibre ...	12,931	2,876	426	48	213,009	37,100	10,722
Wholly of artificial silk, other than staple fibre :—							
Pile fabrics ...	283	63	11	3			
Other fabrics§ :—							
Bleached, printed or dyed, including dyed in the yarn ...	58,098	11,193	3,595	72			
Other descriptions...	118,195	20,042	4,908	77			
Unclassified¶ ...	37,581	8,055	1,710	78			
Total— Piece-goods wholly of artificial silk§ ...	227,088	42,229	10,650	...	213,009	37,100	10,722
Piece-goods of artificial silk mixed with other materials :—							
Containing staple fibre ...	7,988	1,534	326	35	||	||	||
Of artificial silk (other than staple fibre) mixed with other materials :—							
Pile fabrics ...	1,168	539	203	17	1,216†	638†	197†
Damasks, tapestries, brocades and the like ...	40,244	12,746	1,856	92	42,300	12,669	1,853
Other fabrics§ :—							
Bleached, printed or dyed, including dyed in the yarn ...	24,560	5,671	1,152	47	143,100†	28,536†	5,672†
Other descriptions...	61,034	13,165	2,201	71			
Unclassified¶ ...	17,695	3,878	640	86			
Total— Piece-goods of artificial silk mixed with other materials§ ...	152,689	37,533	6,378	...	186,616	41,843	7,722
TOTAL— Piece-goods of artificial silk, pure or mixed§ ...	379,777	79,762	17,028	...	399,625	78,943	18,444

Kind of output	1935			1934	
	Quantity	Value	Entries	Quantity	Value
Other manufactures of silk and artificial silk :—	Th. lbs.	£'000	No.	Th. lbs.	£'000
Ribbons :—					
Wholly of silk	1	4	6	1	3
Of silk mixed with other materials	157	166	17	60	79
Wholly of artificial silk	93	78	11	134	96
Of artificial silk mixed with other materials	553	185	20	399	146
Total—Ribbons	804	433	...	594	324
Smallwares :—					
Of silk and mixtures ... ..	...	66	22	...	58
Of artificial silk and mixtures ... ..	...	617	56	...	752
Total—Smallwares ... ..	...	683	...	...	810
Other manufactures of silk and mixtures (excluding lace and net) ... ..	...	11	5	...	2
Other manufactures of artificial silk and mixtures (excluding lace and net) ... ..	...	125	8	...	150
TOTAL—Goods made for sale...	...	36,791	...	...	36,357
Waste products sold :—					
Silk waste, noils, etc.	887	35	88	794	40
Artificial silk waste (including staple fibre)	17,006	687	479	7,704	322
Work done for the trade or on commission :—		Amount received			Amount received
Throwing and spinning :—					
Silk ... ..	...	31	14	...	42
Artificial silk ... ..	...	31	11	...	...
Winding, doubling, beaming, sizing, etc. ... ..	...	912	74	...	790
Weaving ... ..	...	155	71	...	134
Other work done ... ..	...	61	38	...	21
TOTAL—Work done for the trade ... ..	...	1,190	...	...	987
TOTAL—PRINCIPAL PRODUCTS	...	38,703	...	...	37,706

* The figures do not represent for either year the total deliveries of yarn in these forms, as such particulars in the detail required could not be furnished for a considerable portion of the output. For that part of the output the yarn was returned as artificial silk singles yarn and is included in the figures given against that heading; the added value resulting from the doubling, twisting and other work of processing carried out thereon is included under the heading for "Work done."

† Including some yarn of staple fibre mixed with other materials.

‡ Corrected figure.

§ Excluding in 1935 knitted fabric of artificial silk (including mixtures) which for that year was recorded separately and has been classified as a principal product of the Hosiery Trade, see page 165.

¶ These figures may include some piece-goods containing staple fibre.

|| Not recorded separately.

The figures shown in the preceding table include the following output recorded by firms whose returns were made on schedules for other trades and are not, therefore, included in Table I A.

Kind of output	1935				1934		
	Quantity	Value	Entries	Quantity	Value		
	Th. sq. yds.	Th. lbs.	£'000	No.	Th. sq. yds.	Th. lbs.	£'000
Thrown silk :—							
Wholly of silk :—							
Undischarged ... ..	...	2	2	1	...	3	2
Discharged ... ..	...	10	11	1	—	—	—
Artificial silk yarn and straw :—							
Wholly of artificial silk :—							
Singles yarn and straw							
Of staple fibre, including yarn made from artificial silk waste ... ..	...	5,794	486	28	...	1,322	146
Other Yarn ... ..	...	91	8	5	...	...	...
Yarn purchased and wound or otherwise processed (not doubled) ... ..	...	194	18	3	...	8	1
Doubled or twisted thread advanced beyond the stage of singles yarn :—							
Wholly of artificial silk ... ..	...	1,614	312	35	...	1,486	261
Of artificial silk mixed with other materials ... ..	...	349	75	13	...	282	69
Sewing and embroidery silks :—							
Of silk and mixtures ... ..	...	8	6	2	...	16	17
Of artificial silk and mixtures ... ..	...	16	6	2	...	...	10
Piece-goods wholly of silk	22	2	3	4	151	23	29
Piece-goods of silk mixed with other materials, if known as "silks" :—							
Damasks, tapestries, brocades and the like	13	4	4	3	...	...	...
Other descriptions, including pile fabrics	75	14	7	9	662	132	62
Unclassified	242	40	34	22	...	...	...
Piece-goods wholly of artificial silk :—							
Containing staple fibre	6,672	1,462	171	18	...	...	...
Wholly of artificial silk, other than staple fibre :—							
Bleached, printed or dyed, including dyed in the yarn ...	11,346	1,920	544	18	59,108	10,369	2,733
Other descriptions including pile fabrics	25,702	3,743	906	27	...	...	...
Unclassified	37,581	8,055	1,710	78	...	...	...

Kind of output	1935				1934		
	Quantity		Value	Entries	Quantity		Value
	Th. sq. yds.	Th. lbs.	£'000	No.	Th. sq. yds.	Th. lbs.	£'000
Piece-goods of artificial silk mixed with other materials :—							
Containing staple fibre	1,434	361	68	9			
Of artificial silk (other than staple fibre), mixed with other materials :—							
File fabrics ...	371	258	73	12			
Damasks, tapestries, brocades and the like	22,725	6,520	936	65	87,593	20,881	3,661
Other fabrics :—							
Bleached, printed or dyed, including dyed in the yarn...	12,200	2,641	500	15			
Other descriptions	18,116	3,885	607	29			
Unclassified ...	17,695	3,878	640	86			
Total—Piece-goods ...	154,194	32,783	6,203	...	147,514	31,405	6,485
Other manufactures of silk and artificial silk:—							
Ribbons :—							
Of silk mixed with other materials ...	...	3	27	2	...	60	37
Wholly of artificial silk ...	...	43	48	3	...	...	...
Of artificial silk mixed with other materials	...	48	32	3	...	...	...
Smallwares :—							
Of silk and mixtures	...	...	21	6	...	...	3
Of artificial silk and mixtures ...	...	...	242	23	...	...	315
Other manufactures of silk and artificial silk ...	...	...	31	6	...	...	38
Waste products sold :—							
Silk waste, noils, etc.	...	109	2	47	...	59	2
Artificial silk waste (including staple fibre) ...	...	2,750	49	342	...	2,063	58
Work done for the trade or on commission :—							
Throwing and spinning of silk and artificial silk ...	...	...	7*	7	...	...	22*
Winding, doubling, beaming, sizing, etc.	...	...	100*	19	...	...	...
Weaving ...	...	...	20*	32	...	...	...
Other work done ...	...	...	56*	32	...	...	...
Total ...	...	...	7,762	...	...	...	7,466

* Amount received.

Table V D.—Output for sale of certain principal products, 1924-1935

Kind of goods	1924	1930	1933	1934	1935
Thrown silk :—					
Wholly of silk, undischarged and discharged) ...	177 276	796	1,930	2,364	3,187
Of silk mixed with other materials (undischarged and discharged)		1,007	1,520	1,555	1,920
TOTAL—Thrown silk	177 276	1,100 1,165	2,510 1,738	2,740 1,674	3,525 2,016
Spun silk yarn (including noil yarn) :—					
Wholly of silk ...	1,278 1,096	1,101	1,147	1,407	1,428
Of silk mixed with other materials		796	588	551	546
TOTAL—Spun silk yarn	1,278 1,096	1,108 801	1,165 598	1,415 555	1,435 550
Artificial silk yarn and straw :—					
Singles yarn and straw* ...	21,345 7,012	45,530 10,177	63,724 9,871	71,689 9,563	93,488 10,998
Doubled or twisted thread advanced beyond the stage of singles yarn (including artificial silk mixed with other materials)†	2,624 1,104	1,007 236	14,402 2,924	14,157 2,651	17,348 2,955
Piece-goods wholly of silk ...	5,830 1,614	7,665‡ 1,749	5,433 1,209	6,077 1,321	6,061 1,218
Piece-goods of silk mixed with other materials, if known as "silks" ...	7,631 1,928	5,619 913	2,496 407	2,320 374	2,397 361
Piece-goods wholly of artificial silk§ ...	3,308	59,332	147,371	213,009	227,088
Piece-goods of artificial silk mixed with other materials§		10,422	25,843	37,100	42,229
All other principal products and work done ...	2,488	2,600	2,644	3,124	3,577
TOTAL—PRINCIPAL PRODUCTS ...	18,826	30,734	36,832	37,706	38,703

* Including some yarn purchased and wound or otherwise processed, but not doubled.

† See footnote (*) to Table V C.

‡ Includes an estimate in respect of output returned by value only

§ Including knitted fabric for 1930, 1933 and 1934.

Table VI.—Average values of goods produced, exported and imported

Kind of goods	Production (at factory)			Exports (f.o.b.)		Imports (c.i.f.)	
	Average value		1935 as a percentage of 1934	Average value		Average value	
	1935	1934		1935	1934	1935	1934
	s. per lb.	s. per lb.	Per cent.	s. per lb.	s. per lb.	s. per lb.	s. per lb.
Thrown silk, wholly of silk and of silk mixed with other materials:—							
Undischarged ...	11.08	11.83	93.7	10.44	11.17	9.96	10.02
Discharged ...	23.22	23.35	99.4	12.61	18.81	12.68	12.33
Spun silk yarn (including noil yarn):—							
Wholly of silk ...	7.65	7.82	97.8	5.34	4.88	7.36	9.39
Of silk mixed with other materials...	10.12	10.36	97.7		7.75		8.99
Total—Spun silk yarn ...	7.66	7.84	97.8	5.34	4.90	7.36	9.37
Artificial silk singles yarn and straw ...	2.35	2.67	88.2	1.77	1.92	2.88	3.24
Artificial silk, doubled or twisted thread advanced beyond the stage of singles yarn ...	3.41	3.75	90.9	2.23	1.39	3.30	3.81
Sewing and embroidery silks:—							
Of silk and mixtures	22.77	21.20	107.4	*	*	*	*
Of artificial silk and mixtures ...	5.82	5.06	115.0				
Piece-goods wholly of silk:—							
Natural undyed tissues:—							
Undischarged ...	3.11	3.60	86.5	}	*	*	*
Discharged ...	5.50	5.90	93.3				
Other descriptions...	3.79	3.83	99.2				
Total—Piece-goods wholly of silk	4.02	4.35	92.4	2.77	2.99	1.25†	1.43

Kind of goods	Production (at factory)			Exports (f.o.b.)		Imports (c.i.f.)	
	Average value		1935 as a percentage of 1934	Average value		Average value	
	1935	1934		1935	1934	1935	1934
	s. per sq. yd.	s. per sq. yd.	Per cent.	s. per sq. yd.	s. per sq. yd.	s. per sq. yd.	s. per sq. yd.
Piece-goods of silk mixed with other materials:—							
Damasks, tapestries, etc. ...	8.82	9.64	91.5	8.86	...	*	9.49
Other descriptions, including pile fabrics ...	2.93	3.11	94.2	2.05	2.14	3.24	3.81
Total—Piece-goods of silk mixed with other materials...	3.01	3.23	93.4	2.06	2.14	3.24†	3.83
Piece-goods of artificial silk:—							
Wholly of artificial silk ...	0.94	1.01	93.2	1.29	1.28	1.79†	1.73
Of artificial silk mixed with other materials:—							
Pile fabrics ...	3.48‡	3.25	107.2	2.39	*	*	*
Damasks, tapestries, etc.	0.92‡	0.88	105.3	1.22	1.15	*	1.59
Other descriptions ...	0.78	0.79	97.9	0.85	*	*	*
Total—Piece-goods of artificial silk mixed with other materials ...	0.84	0.83	101.0	0.87	0.89	2.39†	2.51

* Not recorded separately.

† Excluding pile fabrics, damasks, tapestries, brocades and the like.

‡ Excluding in 1935 fabrics containing staple fibre.

Table VII.—Volume of Production, 1924-1935

Kind of output	Total production			Production index (1935=100)			
	1935 as returned	1934		1924	1930	1933	1934
		As returned	At 1935 average values				
	£'000	£'000	£'000	Per cent.	Per cent.	Per cent.	Per cent.
Thrown silk	2,016	1,674	1,540	4	28	65	76
Spun silk yarn	550	555	544	90	77	81	99
Artificial silk yarn and straw	10,998	9,563	8,488	23	49	69	77
Artificial silk, doubled or twisted thread advanced beyond the stage of singles yarn*...	2,955	2,651	2,413	...	...	...	...
Sewing and embroidery silks	413	489	532	176	117	103	129
Piece-goods wholly of silk (including pile fabrics)	1,218	1,321	1,275	97	128	92	105
Piece-goods of silk mixed with other materials ...	361	374	292	207	188	83	81
Piece-goods of artificial silk :—							
Wholly of artificial silk	10,650	10,722	9,982	5	26	65	94
Of artificial silk mixed with other materials	6,378	7,722	7,717		79	143	121
Ribbons and smallwares and other silk and artificial silk goods ...	1,252	1,286	1,217	27	35	67	97
Waste products sold :—							
Silk waste, noils, etc....	35	40	31	57	55	61	89
Artificial silk waste (including staple fibre)	687	322	254	2	11	36	37
Work done for the trade or on commission ...	1,190	987	956	13	54	66	80
TOTAL	38,703	37,706	35,241	20	47	82	91

* See footnote (*) to Table V C.

Table VIII.—Production in relation to Exports and Imports

Kind of goods	Production	Exports	Proportion of production exported	Retained imports	Avail-able for use in the United Kingdom	Share of home market held by British goods		
					Th. lbs.	Th. lbs.		
Thrown silk, undischarged, including silk mixed with other materials ...	1935	3,878	429	11.1	114	3,563	96.8	
	1934	3,056	262	8.6	129	2,923	95.6	
	Spun silk yarn (including noil yarn)	1935	1,732	1,023	59.1	82	791	89.7
		1934	1,888	1,143	60.5	44	789	94.5
Artificial silk (singles yarn and straw)	1935	111,937	9,030*	8.1	2,381*	105,288	97.7	
	1934	90,324	9,148	10.1	2,539	83,715	97.0	
Piece-goods :—	Th. sq. yds.	Th. sq. yds.	Per cent.	Th. sq. yds.	Th. sq. yds.	Per cent.		
Wholly of silk† ...	1935	6,111	2,150	35.2	28,989‡	32,950	12.0	
	1934	6,100	1,648	27.0	24,705	29,157	15.3	
Of silk mixed with other materials	1935	2,397	923	38.5	3,224‡	4,698	31.4	
	1934	2,320	836	36.1	3,364	4,848	30.6	
TOTAL—Wholly of silk or of silk mixed with other materials†	1935	8,508	3,073	36.1	32,466§	37,901	14.3	
	1934	8,420	2,484	29.5	28,069	34,005	17.5	
Wholly of artificial silk... ..	1935	227,088¶	14,946	...	11,171‡	...	...
	1934	213,009¶	16,035	...	11,242	...	...
Of artificial silk mixed with other materials ...	1935	152,689¶	36,862	...	4,370‡	...	...
	1934	186,616¶	49,273	...	6,025	...	...
TOTAL—Wholly of artificial silk or of artificial silk mixed with other materials†	1935	463,667	51,808	11.0	16,717φ	428,576	92.4	
	1934	425,320	65,308	15.4	17,267	377,279	95.4	
Ribbons :—	Th. lbs.	Th. lbs.	Per cent.	Th. lbs.	Th. lbs.	Per cent.		
Of silk mixed with other materials	1935	157	4	2.3	67	220	69.5	
	1934	60	3	5.4	72	129	43.9	
Wholly of artificial silk ...	1935	93	7	8.0	245	331	25.8	
	1934	134	8	6.2	227	353	35.6	
Of artificial silk mixed with other materials ...	1935	553	30	5.5	440	963	54.3	
	1934	399	27	6.6	364	736	50.6	

* Including yarn of artificial silk mixed with other materials.

† Including for both years piece-goods of knitted fabric.

‡ So far as recorded separately.

§ Including 253,000 sq. yds. described as "pile fabrics and damasks, tapestries brocades and the like, either wholly of silk or of silk mixed with other materials."

¶ Excluding the recorded output of knitted fabric.

φ Including 1,176,000 sq. yds. of piece-goods described as "either wholly of artificial silk or of artificial silk mixed with other materials except silk."

Table IX.—Other output of the Silk and Artificial Silk Trade

The value of the gross output of the firms whose returns were made on schedules for the Silk and Artificial Silk Trade was £36,110,000 in 1935 and £32,812,000 in 1934, of which £30,941,000 in 1935 and £30,240,000 in 1934 consisted of products included in Table V C. Particulars of the remaining items are shown below.

Kind of output	1935		1934	
	£'000	£'000	£'000	£'000
Articles of clothing :—				
Women's costumes, dresses, blouses and the like, of woven fabrics	43	42		
Stockings and hose	89	91		
Fancy hosiery	77	94		
Neckties, cravats, etc.	190	272		
Other articles of clothing (including hosiery underwear)...	428	534		
Cotton yarn	191	190		
Cotton piece-goods	922	973		
Other manufactures of cotton	147	111		
Manufactures of wool	97	35		
Other goods made	2,918*	104		
Total—Goods made	5,102	2,446		
Work done on silk or artificial silk goods :—				
Dyeing and printing	57†	124†		
Other work done on commission	10†	2†		
Total—Work done	67†	126†		
TOTAL	5,169	2,572		

* See footnote (§) to Table V C.

† Amount received.

MATERIALS AND FUEL**Table X A.—Materials, fuel and electricity purchased and used**

Kind of materials, etc.	1935		1934	
	Quantity	Cost	Quantity	Cost
	Th. lbs.	£'000	Th. lbs.	£'000
Silk cocoons and waste	3,062	266	3,443	270
Raw silk	3,672	1,544	3,120	1,308
Cotton yarn	20,584	1,469	21,670	1,591
Woollen yarn	294.1	47	343.9	55
Worsted yarn	435.2	73	114.9	21
Wood pulp	93,860	629		
Cotton linters	8,318	148		
Thrown silk	350.4	233		
Spun silk yarn	348.1	208		
Artificial silk :—				
Yarn (continuous filament)	38,724	5,983		
Staple fibre	3,032	185		
Staple fibre yarn	1,572	160		
Fuel and electricity used for all purposes :—	Th. tons			
Coal	611.4	509		13,700
Coke	5.3	7		
Heavy fuel oil	180	3		
	Th. B.T.U. (Kw.-hrs.)			
Purchased electricity*	244,899	360		
All other purchased materials and fuel...		7,176		
TOTAL		19,000		16,945

* Including electricity generated in other works under the same ownership.

Table X B.—Consumption of coal, coke and electricity in 1935 and 1930

Kind of fuel	1935		1930	
	Th. tons	Th. tons	Th. B.T.U. (Kw.-hrs.)	Th. B.T.U. (Kw.-hrs.)
Coal	611.4	439.1		
Coke	5.3	3.4		
Electricity :—				
Generated in same works	202,457	66,826		
Generated in other works under same ownership	6,933	504		
Purchased	237,966	137,940		
Total electricity consumed	447,356	205,270		

EMPLOYMENT

Table XI A.—Average numbers employed in 1935 and 1934

Persons employed	Males		Females		Total	
	Under 18	All ages	Under 18	All ages	Under 18	All ages
Operatives (average for the year) ...	2,799	32,005	10,337	44,260	13,136	76,265
Administrative, technical and clerical staff* ...	226	3,961	245	1,599	471	5,560
	185	3,682	198	1,441	383	5,123
TOTAL ...	3,025	35,966	10,582	45,859	13,607	81,825
	2,496	30,006	8,634	42,940	11,130	72,946
Average number of out-workers... ...	23		187		210	
	11		78		89	

* As at 12th October, 1935, and 13th October, 1934.

Table XI B.—Operatives employed in one week in each month of 1934 and 1935 by firms furnishing returns in respect of the twelve months ended December

Mid week of*	Operatives employed		Monthly index†		
	1934	1935	1933	1934	1935
	January ...	45,151	41,114	78.2	87.9	96.5
February ...	45,095	41,999	77.7	87.8	98.6
March ...	44,536	42,579	77.9	86.7	100.0
April ...	45,336	42,866	78.3	88.3	100.7
May ...	45,791	42,839	78.9	89.2	100.6
June ...	45,485	42,582	80.7	88.6	100.0
July ...	44,983	42,189	82.0	87.6	99.0
August ...	45,179	41,731	82.9	88.0	98.0
September ...	45,772	42,382	85.1	89.1	99.5
October ...	46,195	43,278	87.6	89.9	101.6
November ...	47,252	43,673	88.6	92.0	102.6
December ...	47,353	43,808	88.7	92.2	102.9
Average for the twelve months...	45,677	42,587	82.2	88.9	100.0
Proportion of total operatives represented ...	67.35	55.84	...	...	...

* For the ending date of each week see page xiv.

† Based on the estimated average for the year 1935.

Table XI C.—Average numbers employed, 1924-1935

Year	Operatives	Administrative, technical and clerical staff	Total (excluding outworkers)
1924 ...	37,315	2,617	39,932
1930 ...	64,334	5,496	69,830
1933 ...	62,703	5,036	67,739
1934 ...	67,823	5,123	72,946
1935 ...	76,265	5,560	81,825

WAGES

Table XII.—Wages paid by firms furnishing returns of wages in 1935 and 1930

The aggregate amount of wages paid by firms furnishing returns of wages was £6,248,000 in 1935 representing 54.5 per cent. of the net output of these firms, the corresponding figures for 1930 being £4,453,000 and 57.2 per cent. The figures for these firms given below indicate the size of the sample and the extent to which it is representative.

Firms furnishing returns of wages	1935		1930	
	Aggregate	Proportion of trade	Aggregate	Proportion of trade
Gross output... ..	£'000 28,886	Per cent. 80.0	£'000 17,859	Per cent. 62.2
Net output (excluding estimated Excise duty)	11,463	81.6	7,785	73.1
Operative staff employed :—	No.		No.	
During mid-week of October :—				
Males	27,447	83.2	}	*
Females	34,360	75.3		
Total	61,807	78.6	41,630	66.4
Average for the year	59,416	77.9	41,570	64.6
Administrative, technical and clerical staff	4,430	79.7	*	*
Number of establishments	208	62.5	...	...

* Not recorded separately.

COUNTRY TABLES (1935)

Note.—The figures given in the following tables relate only to firms whose returns were made on schedules for the Silk and Artificial Silk Trade.

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

Table I.—General summary

Particulars	Unit	England and Wales and Northern Ireland		Scotland	United Kingdom
Value of products (Gross output) ...	£'000	35,112	998	36,110	
Cost of materials, fuel and electricity used ...	"	18,573	427	19,000	
Amount paid for work given out ...	"	911	9	920	
Estimated Excise duty ...	"	2,033	58	2,091	
Net output ...	"	13,595	504	14,099	
Average number of persons employed (excluding outworkers) ...	No.	79,512	2,313	81,825	
Net output per person employed (excluding outworkers) ...	£	171	218	172	
Number of returns ...	No.	274	14	288	
Number of establishments ...	"	318	15	333	

Table II A.—Total make of Silk Yarn and Artificial Silk (see page 103)
No total make was returned by firms in Northern Ireland.

Table II B.—Output made for sale

Kind of output	Great Britain	
	Quantity	Value
	Th. lbs.	£'000
Thrown silk :—		
Wholly of silk :—		
Undischarged ...	3,083	1,799
Discharged ...	92	108
Of silk mixed with other materials (undischarged and discharged) ...	338	96
Total—Thrown silk ...	3,513	2,003
Spun silk yarn (including noil yarn) :—		
Wholly of silk ...	1,428	546
Of silk mixed with other materials ...	7	4
Total—Spun silk yarn ...	1,435	550

Kind of output	Great Britain		
	Quantity		Value
	Th. sq. yds.	Th. lbs.	£'000
Artificial silk yarn and straw :—			
Wholly of artificial silk :—			
Singles yarn and straw ...	...	85,632	10,237
Yarn purchased and wound or otherwise processed (not doubled) ...	...	1,777	249
Doubled or twisted thread advanced beyond the stage of singles yarn :—			
Wholly of artificial silk ...	...	14,996	2,485
Of artificial silk mixed with other materials ...	...	389	83
Total—Artificial silk yarn and straw ...	...	102,794	13,054
TOTAL—Silk and artificial silk yarn ...	...	107,742	15,607
Sewing and embroidery silks :—			
Of silk and mixtures ...	...	311	357
Of artificial silk and mixtures... ..	...	158	44
Total—Sewing and embroidery silks ...	...	469	401
Piece-goods wholly of silk :—			
Natural undyed tissues :—			
Undischarged... ..	560	81	87
Discharged	1,014	182	279
Other fabrics of silk :—			
Bleached or dyed, including dyed in the yarn ...	3,715	582	713
Printed	65	8	12
Other descriptions, including pile fabrics (dyed or not dyed)	685	66	124
Total—Piece-goods wholly of silk	6,039	919	1,215
Piece-goods of silk mixed with other materials, if known as "silks" :—			
Damasks, tapestries, brocades and the like Bleached, printed or dyed, including dyed in the yarn	20	7	11
Other descriptions, including pile fabrics... ..	1,515	234	204
	532	147	101
Total—Piece-goods of silk mixed with other materials	2,067	388	316
TOTAL—Piece-goods of silk or of silk mixed with other materials	8,106	1,307	1,531
Piece-goods wholly of artificial silk :—			
Containing staple fibre... ..	6,259	1,414	255
Wholly of artificial silk, other than staple fibre :—			
Bleached, printed or dyed, including dyed in the yarn	46,752	9,273	3,051
Other descriptions, including pile fabrics... ..	92,776	16,362	4,013
Total—Piece-goods wholly of artificial silk	145,787	27,049	7,319

Kind of output	Great Britain		
	Quantity		Value
	Th. sq. yds.	Th. lbs.	£'000
Piece-goods of artificial silk mixed with other materials :—			
Containing staple fibre	6,554	1,173	258
Of artificial silk (other than staple fibre), mixed with other materials :—			
Pile fabrics	797	281	130
Damasks, tapestries, brocades and the like...	17,519	6,226	920
Other fabrics :—			
Bleached, printed or dyed, including dyed in the yarn	12,360	3,030	652
Other descriptions	42,918	9,280	1,594
Total—Piece-goods of artificial silk mixed with other materials	80,148	19,990	3,554
TOTAL—Piece-goods of artificial silk, pure or mixed	225,935	47,039	10,873
Other manufactures of silk and artificial silk :—			
Ribbons :—			
Wholly of silk		1	4
Of silk mixed with other materials		154	139
Wholly of artificial silk		50	30
Of artificial silk mixed with other materials		505	153
Total—Ribbons		710	326
Smallwares :—			
Of silk and mixtures			45
Of artificial silk and mixtures... ..			375
Total—Smallwares			420
Other manufactures of silk and artificial silk			105
Articles of clothing :—			
Women's costumes, dresses, blouses and the like of woven fabrics			43
Stockings and hose			89
Fancy hosiery			77
Neckties, cravats, etc.			190*
Other articles of clothing (including hosiery, underwear)			428
Cotton yarn			191
Cotton piece-goods			922
Other manufactures of cotton			147
Manufactures of wool			97
Other goods made			2,918
TOTAL—Goods made			34,365

Kind of output	Great Britain		
	Quantity		Value
	Th. sq. yds.	Th. lbs.	£'000
Waste products sold :—			
Silk waste, noils, etc.		778	33
Artificial silk waste (including staple fibre)		14,256	638
Work done for the trade :—			Amount received
Throwing and spinning :—			
Silk			24
Artificial silk			31
Winding, doubling, beaming, sizing, etc.			812
Weaving... ..			135
Dyeing and printing of silk and artificial silk goods			57
Other work done			15
TOTAL—Work done			1,074
TOTAL—VALUE OF GOODS MADE AND WORK DONE			36,110

* This heading includes a small amount returned for Northern Ireland.

Table III A.—Materials, fuel and electricity purchased and used

Kind of materials, etc.	Unit	England and Wales and Northern Ireland	Scotland	United Kingdom
Silk cocoons and waste...	<i>Th. lbs.</i>	3,062	—	3,062
	<i>£'000</i>	266	—	266
Raw silk ...	<i>Th. lbs.</i>	*	*	3,672
	<i>£'000</i>			1,544
Cotton yarn ...	<i>Th. lbs.</i>	20,298	286.3	20,584
	<i>£'000</i>	1,448	21	1,469
Woollen yarn ...	<i>Th. lbs.</i>	294.1	—	294.1
	<i>£'000</i>	47	—	47
Worsted yarn ...	<i>Th. lbs.</i>	397.2	38.0	435.2
	<i>£'000</i>	62	11	73
Wood pulp ...	<i>Th. lbs.</i>	*	*	93,860
	<i>£'000</i>			629
Cotton linters ...	<i>Th. lbs.</i>	8,318	—	8,318
	<i>£'000</i>	148	—	148
Thrown silk ...	<i>Th. lbs.</i>	281.8	68.6	350.4
	<i>£'000</i>	183	50	233
Spun silk yarn ...	<i>Th. lbs.</i>	*	*	348.1
	<i>£'000</i>			208
Artificial silk :—				
Yarn (continuous filament) ...	<i>Th. lbs.</i>	38,328	396.0	38,724
	<i>£'000</i>	5,910	73	5,983
Staple fibre ...	<i>Th. lbs.</i>	3,032	—	3,032
	<i>£'000</i>	185	—	185
Staple fibre yarn ...	<i>Th. lbs.</i>	1,572	—	1,572
	<i>£'000</i>	160	—	160
Fuel and electricity used for all purposes :—				
Coal ...	<i>Th. tons</i>	594.8	16.6	611.4
	<i>£'000</i>	495	14	509
Coke... ..	<i>Th. tons</i>	5.3	—	5.3
	<i>£'000</i>	7	—	7
Heavy fuel oil ...	<i>Th. galls.</i>	180	—	180
	<i>£'000</i>	3	—	3
Purchased electricity† ...	<i>Th. B.T.U. (Kw.-hrs.)</i>	234,159	10,740	244,899
	<i>£'000</i>	341	19	360
All other purchased materials and fuel... ..	<i>£'000</i>	7,082	94	7,176
TOTAL ...	<i>£'000</i>	18,573	427	19,000

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

† Including electricity generated in other works under the same ownership.

Table III B.—Consumption of electricity

Electricity consumed	England and Wales and Northern Ireland	Scotland	United Kingdom
	<i>Th. B.T.U. (Kw.-hrs.)</i>	<i>Th. B.T.U. (Kw.-hrs.)</i>	<i>Th. B.T.U. (Kw.-hrs.)</i>
Generated in same works ...	202,405	52	202,457
Generated in other works under same ownership ...	6,930	3	6,933
Purchased ...	227,229	10,737	237,966
Total ...	436,564	10,792	447,356

Table IV A.—Numbers employed in week ended 12th October, 1935

Persons employed	Males		Females		Total	
	Under 18	All ages	Under 18	All ages	Under 18	All ages
England and Wales and Northern Ireland :—						
Operatives ...	2,841	32,360	10,193	44,020	13,034	76,380
Administrative, etc.*...	220	3,837	233	1,528	453	5,365
Total ...	3,061	36,197	10,426	45,548	13,487	81,745
Scotland :—						
Operatives ...	43	625	460	1,595	503	2,220
Administrative, etc.*...	6	124	12	71	18	195
Total ...	49	749	472	1,666	521	2,415
United Kingdom :—						
Operatives ...	2,884	32,985	10,653	45,615	13,537	78,600
Administrative, etc.*...	226	3,961	245	1,599	471	5,560
TOTAL ...	3,110	36,946	10,898	47,214	14,008	84,160

* Administrative, technical and clerical staff.

Table IV B.—Operatives employed in one week in each month of 1935

Week ended	Males and females		
	England and Wales and Northern Ireland	Scotland	United Kingdom
January 19... ..	70,051	1,887	71,938
February 16	71,579	1,987	73,566
March 16	72,684	2,047	74,731
April 13	73,644	2,126	75,770
May 18	74,392	2,078	76,470
June 15	73,860	2,118	75,978
July 13	74,564	2,105	76,669
August 17	74,292	2,131	76,423
September 14	75,046	2,206	77,252
October 12... ..	76,380	2,220	78,600
November 16	76,756	2,265	79,021
December 14	76,512	2,244	78,756
Average for the twelve months	74,147	2,118	76,265

Table IV C.—Numbers of outworkers at two specified periods in 1935

Country	January			July		
	Males	Females	Total	Males	Females	Total
England and Wales	20	163	183	20	207	227
Scotland	2	2	4	4	2	6
Great Britain	22	165	187	24	209	233

No outworkers were recorded by firms in Northern Ireland.

Table V.—Firms employing not more than ten persons on the average

Particulars	England and Wales	Scotland	Great Britain	Northern Ireland
Number of returns received... ..	No. 39	No. 1	No. 40	No. —
Average number of persons employed :—				
Males... ..	86	9	95	—
Females	131	—	131	—
Total	217	9	226	—