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THE REPORT
on the
CENSUS OF PRODUCTION
FOR 1951

Volume 5

Trade L

MUSICAL INSTRUMENTS



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* Not applicable to this trade

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MUSICAL INSTRUMENTS TRADE

THIS REPORT on the Musical Instruments Trade relates to establishments engaged wholly or mainly in the manufacture of pianos, organs and other musical instruments. The manufacture of gramophone records is included, but the manufacture of gramophones is excluded, the latter being covered by the Radio and Telecommunications Trade.

Establishments engaged solely in repair work and tuning were not covered by the 1937 Inquiry, Table 1, therefore, gives, as well as the full totals for 1935, figures for that year relating to the sections of the trade included in the 1937 Inquiry.

This trade corresponds to minimum list heading 103 in the Standard Industrial Classification.

IMPORTANT NOTES and definitions appear on the inside of the back cover of this Report. In interpreting the data in the following tables, it is essential to bear these in mind.

MUSICAL INSTRUMENTS TRADE

Summary
Larger establishments (a)

TABLE 1

	All sections of the trade					Sections of the trade covered by the 1937 Inquiry		All sections of the trade
	United Kingdom			Great Britain		United Kingdom		
	1951	1950	1949	1949 (b)	1948	1937	1935	1935
Gross output (production) (c)	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000
	9,062	7,456	7,412	..	7,501	3,674	3,676	3,839
Cost of materials and fuel used (d)	4,161	3,180	3,158	..	2,843	1,446	1,498	1,511
Payment for work done on materials given out	36	16	29	..	25	6	7	8
Transport payments (e)	62	..	..	..	..	..	..	..
Net output	4,803	4,259	4,225	..	4,633	2,222	2,171	2,320
Wages and salaries of persons employed	2,608	2,243	2,211	..	2,129	..	..	..
Average number of persons employed (f)	No. 6,908	No. 6,316	No. 6,575	..	No. 6,323	No. 8,270	No. 8,987	No. 9,854
Net output per person employed (f)	£ 695	£ 674	£ 643	..	£ 733	£ 269	£ 242	£ 235
Stocks at end of year	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000
Products on hand for sale and work in progress	1,307	1,144	1,252	..	1,083	..	..	..
Materials and fuel	1,919	1,218	1,248	..	1,601	..	..	..
Number of establishments	No. 108	No. 102	No. 104	..	No. 97	No. ..	No. 107	No. 150

The values of gross output and of materials and fuel used are derived in the following way:-

	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000
Output of firms in this trade (g)	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000
Principal products (h)	8,209	7,454	7,344	..	6,903	3,313	3,309	3,472
Other output (i)	700			..	444	361	367	367
Changes in stocks and work in progress (j)	+ 152	+ 40	+ 112	..	+ 195			
	9,062	7,493	7,456	..	7,541	3,674	3,676	3,839
Less payment for transport outwards (e)	..	37	45	..	40			
Gross output (production)	9,062	7,456	7,412	..	7,501	3,674	3,676	3,839
Materials and fuel used by firms in this trade								
Purchases	4,847	3,201	2,756	..	2,997	1,446	1,498	1,511
Changes in stocks (j)	- 686	- 21	+ 402	..	- 154			
Materials and fuel used	4,161	3,180	3,158	..	2,843	1,446	1,498	1,511

- (a) For small firms' summary see Table 2.
 (b) Owing to the risk of disclosure of information relating to individual firms in Northern Ireland separate particulars for Great Britain cannot be given.
 (c) Gross output for 1951 includes payments to other firms and undertakings and to firms' own separate transport organisations for transport services. For other years payments for transport services outwards on finished goods sold are excluded.
 (d) Amounts paid for delivery services are excluded for 1951 but included for other years.
 (e) Payments to other firms and undertakings and to firms' own separate transport organisations. For 1951 they cover payments for transport of both goods sold and materials and fuel purchased. For other years payments cover only transport outwards of finished goods sold.
 (f) Excluding outworkers but including working proprietors. For an estimate of the total number of persons employed in this trade see Table 3.
 (g) Total value of sales (1951, 1950, 1949 and 1948) or production for sale (1937 and 1935).
 (h) For details for 1951 and 1948 see Table 8.
 (i) For details for 1951 and 1948 see Table 10.
 (j) For details for 1951 see Table 21.

Summary

Small firms (a)

TABLE 2

	Great Britain		United Kingdom	Great Britain	
	1951	1950	1949	1949	1948
Number of returns	176	153	234	228	235
Average number of persons employed (b)					
Males	825	762	1,141	1,115	1,086
Females	123	113	156	153	127
Total	948	875	1,297	1,268	1,213

- (a) Small firms (employing on the average ten or fewer persons) that made satisfactory returns. No information about small firms was collected in Northern Ireland for 1951 or 1950.
 (b) Including working proprietors.

Estimated average employment (a)

All firms

TABLE 3

	United Kingdom			Great Britain	
	1951	1950	1949	1949	1948
As returned by firms					
Employing on the average more than ten persons (b)	6,908	6,316	6,575	(c)	6,323
Employing on the average ten or fewer persons (d)	948(e)	875(e)	1,297	1,268	1,213
Estimated average employment in firms not making satisfactory returns	7,856	7,191	7,872	(c)	7,536
	87	117	93	93	134
Estimated average employment in all firms	7,943(e)	7,308(e)	7,965	(c)	7,670

- (a) Including working proprietors.
 (b) See Tables 13(iv) and 14.
 (c) Owing to the risk of disclosure of information relating to individual firms in Northern Ireland separate particulars cannot be given.
 (d) See Table 2.
 (e) Excluding any small firms in Northern Ireland.

Analysis by size, 1951
Larger establishments in the United Kingdom

TABLE 4

Average number employed	Establishments	Gross output	Net output	Persons employed	Remuneration			Net output per person employed
					Operatives	Other employees (a)	Total	
	No.	£'000	£'000	No.	£'000	£'000	£'000	£
11 - 24	42	663	375	678	191	43	234	553
25 - 49	34	1,298	628	1,171	358	75	434	536
50 - 99	15	1,150	585	998	320	70	391	586
100 - 199	14	1,940	1,120	1,913	593	126	719	586
300 and over	3	4,011	2,095	2,148	625	206	831	975
Total	108	9,062	4,803	6,908	2,088	521	2,608	695

(a) Administrative, technical and clerical employees.

Analysis by standard region, 1951
Larger establishments in the United Kingdom

TABLE 5

Region	Establishments	Gross output	Net output		Persons employed	Remuneration			Net output per person employed
			Value	Percentage of total		Operatives	Other employees (a)	Total	
	No.	£'000	£'000		No.	£'000	£'000	£'000	£
England and Northern Ireland									
Northern; and East and West Ridings	7	152	110	2.3	218	63	12	75	506
North Midland	4	254	134	2.8	196	55	19	74	683
Eastern; Southern; and Northern Ireland	6	146	82	1.7	169	45	10	55	485
London and South Eastern	63	7,365	3,837	79.9	4,972	1,559	412	1,971	772
South Western	6	265	147	3.1	268	91	12	103	550
Midland	6	161	108	2.2	236	49	14	63	456
North Western	9	321	185	3.8	398	104	22	127	464
Total England and Northern Ireland	101	8,664	4,603	95.8	6,457	1,966	501	2,467	713
Wales	3	355	171	3.6	395	106	15	121	432
Scotland	4	43	30	0.6	56	16	4	19	529
United Kingdom	108	9,062	4,803	100.0	6,908	2,088	521	2,608	695

(a) Administrative, technical and clerical employees.

Analysis according to specialisation within the trade, 1951
Larger establishments in the United Kingdom

TABLE 6

	Establishments	Gross output	Sales of characteristic products	Net output	Persons employed	Remuneration			Net output per person employed
						Operatives	Other employees (a)	Total	
	No.	£'000	£'000	£'000	No.	£'000	£'000	£'000	£
Specialist producers of Pianos and organs, and parts (including organs rebuilt, and piano and organ tuning and repair)	70	3,633	3,308	2,017	3,499	1,120	223	1,343	576
Remainder of the trade	38	5,429		2,787	3,409	968	297	1,265	817
Total	108	9,062		4,803	6,908	2,088	521	2,608	695

(a) Administrative, technical and clerical employees.

TABLE 7 - Total make of intermediate products: Larger establishments

This table is not applicable to the trade.

Sales of the principal products of the trade, including sales of these products by establishments classified to other trades

Larger establishments

TABLE 8

	United Kingdom 1951			Great Britain 1948	
	Quantity	Value	Entries	Quantity	Value
	No.	£'000	No.	No.	£'000
Pianos and parts thereof					
Complete (except reconditioned pianos)	18,211	1,829	25	13,132	1,124
Parts					
Keyboard sets	20,273	134	6	14,001	75
Actions and other parts (a)	..	335	14	..	201
Organs and harmoniums and parts thereof					
Complete (except rebuilt organs)	147	252	14	75	101
Parts and fittings	..	101	11	..	79
Stringed musical instruments, including parts and accessories (except strings wholly of gut) but excluding reconditioned instruments	..	73	6	..	66

TABLE 8 (contd.)

	United Kingdom 1951			Great Britain 1948	
	Quantity	Value	Entries	Quantity	Value
	Thous.	£'000	No.	Thous.	£'000
Wood and metal wind instruments					
Complete (except reconditioned instruments)	45.4	287	7	27.8	151
Parts and accessories	..	31	5	..	15
Percussion instruments					
Complete (except reconditioned instruments)	..	106	8	..	67
Parts and accessories	..	63	5	..	31
Musical instruments (excluding gramophone and reconditioned instruments) and parts and accessories, not elsewhere specified; and gramophone records	..	3,602	17	..	3,873
Musical instruments reconditioned and re-sold	No.			No.	
Pianos	6,548	405	24	5,949	407(b)
Other	..	25	8	..	32(b)
Biscuits (gramophone record blanks), so far as recorded separately; and matrices impressed for the reproduction of gramophone records	..	156	5	..	115
Waste products	..	21	17	..	14
Work done for the trade or on commission (c)	..	15	6	..	34
Repairs (including renovations, upkeep and tuning of musical instruments) (c)	..	..	..	..	..
Organs rebuilt	202	251	24	146	142
Other	..	481	62	..	31
Total	..	8,250	..	..	448
Total	..	8,250	..	..	7,025
Sales in other trades (see Table 9)	..	41	..	..	122
Principal products of this trade sold by establishments in the trade	..	8,209	102	..	6,903

(a) Excluding piano frames of cast iron, for which see the Iron Foundries Trade (Volume 3, Trade C), and piano wire.

(b) So far as recorded separately.

(c) Amount charged.

Sales of principal products of the trade by establishments
classified to other trades

Larger establishments

TABLE 9

	United Kingdom 1951			Great Britain 1948	
	Quantity	Value	Entries	Quantity	Value
	..	£'000	No.	..	£'000
Musical instruments and parts	..	36	..	..	114
Repairs (including renovations, upkeep and tuning of musical instruments) other than organs rebuilt (a)	..	4	8
Total	..	41	122

(a) Amount charged.

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Sales in the trade of other than principal products

Larger establishments

TABLE 10

	United Kingdom 1951		Great Britain 1948	
	Quantity	Value	Quantity	Value
	..	£'000	..	£'000
Furniture mainly of wood	..	22	..	19 (a)
Other manufactures of timber	..	62	..	45
Other goods	..	598	..	378
Work done (b)	..	18	..	2
Total	..	700	..	444

(a) Including wireless cabinets.

(b) Amount charged.

Production, exports and imports of certain principal products (a)

TABLE 11

		Production (b)(c)	Exports (d)	Retained imports (e)
		No.	No.	No.
Pianos		No.	No.	No.
Complete (including reconditioned pianos)	{ 1951 1948 1937	26,090 (f) 19,081 (g) 48,263 (g)	17,390 (g) 13,296 (g) 3,599 (g)	59 42 (g) 1,250 (g)
Parts	{ 1951 1948 1937	£'000 469 276 400	£'000 185 (h) 89 (h) 21 (h)	£'000 8 3 (h) 20 (h)
Organs (including harmoniums)		No.	No.	No.
Complete (including rebuilt organs)	{ 1951 1948 1937	349 253 (f) 321 (g)	386 (g) 220 (g) 137 (g)	2 (i) (g) 47 (g)
Parts and fittings	{ 1951 1948 1937	£'000 101 79 40	£'000 42 (h) 16 (h) 10 (h)	£'000 6 1 (h) 5 (h)
Wood and metal wind instruments, complete	{ 1951 1948 1937	287 166 105	313 127 29	(j) 24 483
Matrices impressed for the reproduction of gramophone records; and biscuits (gramophone record blanks) (k)	{ 1951 1948 1937	156 115 38	35 11 6	14 40 13
Records for gramophones; and all other musical instruments, not elsewhere specified, including parts and accessories (except strings wholly of gut) and reconditioned musical instruments other than pianos	{ 1951 1948 1937	3,899 4,087 1,022 (m)	2,440 (l) 1,704 (m) 334 (m)	523 (m) (n) 93 (m) 111 (m)

(a) Figures of production (or sales) refer only to larger establishments in the United Kingdom (1951 and 1937) or Great Britain (1948). All recorded exports from and imports into the United Kingdom are given in the Table. The figures, therefore, are not strictly comparable.

(b) Sales in 1951 and 1948, and production for sale in 1937.

(c) Including production (or sales) by establishments classified to other trades.

(d) Valued f.o.b.

(e) Valued c.i.f.

(f) Partly estimated.

(g) Excluding automatic pianos or automatic organs.

(h) Exclusive of all parts and fittings for automatic pianos or automatic organs.

(i) Re-exports in excess of imports.

(j) Not recorded separately.

(k) The overseas trade figures and those for production for sale in 1937 relate to matrices only.

(l) May include musical instrument strings of all kinds.

(m) Exclusive of all musical instrument strings.

(n) Including wind instruments.

(83061/2)

Usage of certain specified purchased materials, 1951
Larger establishments in the United Kingdom

TABLE 12

Materials used	Quantity
	Th.cwts. (a)
Steel wire, coated or otherwise	5.5
Steel sheets under 1/8 inch thick	(a)
Iron and steel not specified above, except finished parts and scrap	(a)
Brass and other copper alloys (including nickel silver, but excluding other nickel alloys) in all forms, except finished parts and scrap	13.4
Copper in all forms, except finished parts and scrap	(a)
Lead and lead alloys in all forms, except finished parts and scrap	0.8
Zinc and zinc alloys in all forms, except finished parts and scrap	3.7
Zinc compounds	-
Timber (other than reclaimed), including that used for packing or packing case manufacture but excluding joinery, other fabricated woodwork and purchased packing cases	Th.cu.ft.
Hardwood	321
Softwood	117

(a) Owing to the risk of disclosure of information relating to individual firms particulars cannot be given.

Employment in September
Larger establishments (a)

TABLE 13

(i) Operatives

Number

	All sections of the trade						Sections of the trade covered by the 1937 Inquiry	All sections of the trade
	United Kingdom			Great Britain			United Kingdom	
	1951(b)	1950(b)	1949(b)	1949(c)	1948(d)	1937(d)	1935(d)	1935(d)
Males								
Under 18	528	481	425	..	379	701	751	826
All ages	4,718	4,440	4,131	..	3,990	5,771	6,342	7,055
Females								
Under 18	77	129	66	..	77	238	251	254
All ages	1,251	1,128	1,071	..	1,150	1,405	1,553	1,595
Total								
Under 18	605	610	491	..	456	939	1,002	1,080
All ages	5,969	5,568	5,202	..	5,140	7,176	7,895	8,650

(ii) Administrative, technical and clerical employees (e)

Number

	All sections of the trade						Sections of the trade covered by the 1937 Inquiry	All sections of the trade
	United Kingdom			Great Britain			United Kingdom	
	1951	1950	1949	1949(c)	1948	1937	1935	1935
Males								
Under 18	12	13	12	..	19	63	50	50
All ages	598	592	611	..	624	726	718	793
Females								
Under 18	63	55	58	..	72	89	73	74
All ages	451	407	546	..	544	368	374	411
Total								
Under 18	75	68	70	..	91	152	123	124
All ages	1,049(f)	999(f)	1,157(f)	..	1,168(f)	1,094	1,092	1,204

(83061/2)

TABLE 13 (contd.)

(iii) Total employees

Number

	United Kingdom			Great Britain	United Kingdom			
	1951	1950	1949	1949(c)	1948	1937	1935	1935
Males								
Under 18	540	494	437	..	398	764	801	876
All ages	5,316	5,032	4,742	..	4,614	6,497	7,060	7,848
Females								
Under 18	140	184	124	..	149	327	324	328
All ages	1,702	1,535	1,617	..	1,694	1,773	1,927	2,006
Total								
Under 18	680	678	561	..	547	1,091	1,125	1,204
All ages	7,018(f)	6,567(f)	6,359(f)	..	6,308(f)	8,270	8,987	9,854

(a) Excluded employees. The following persons were employed at the larger establishments in this trade in 1951 but are not included in the above tables or in any other Census of Production report (employees in Great Britain engaged, for example, in merchandising and in Northern Ireland canteen and welfare workers):-

Canteen workers 3 Males 51 Females
Other workers 63 Males 17 Females

(b) In week ended September 22, 1951, September 30, 1950, and September 24, 1949.

(c) Owing to the risk of disclosure of information relating to individual firms in Northern Ireland separate particulars for Great Britain cannot be given.

(d) Average for the year.

(e) In week ended September 22, 1951, September 30, 1950, September 24, 1949, September 25, 1948, October 16, 1937, and October 12, 1935.

(f) Working proprietors. In addition working proprietors, shown in Table 13(iv) below, were engaged in this trade in larger establishments. The 1937 and 1935 figures include working proprietors.

(iv) Working proprietors

Number

	United Kingdom			Great Britain	
	1951	1950	1949	1949	1948
Males	16	18	19	..	15
Females	-	-	-	..	-
Total	16	18	19	..	15

Average employment

Larger establishments (a)

TABLE 14

Number

	All sections of the trade						Sections of the trade covered by the 1937 Inquiry	All sections of the trade
	United Kingdom			Great Britain			United Kingdom	
	1951	1950	1949	1949(b)	1948	1937	1935	1935
Operatives	5,902	5,326	5,398	..	5,140	7,176	7,895	8,650
Administrative, technical and clerical employees	990	972	1,158	..	1,168(c)	1,094(c)	1,092(c)	1,204(c)
Total	6,892	6,298	6,556	..	6,308	8,270	8,987	9,854

(a) For employment in small firms (employing on the average ten or fewer persons) that made satisfactory returns see Table 2.

(b) Owing to the risk of disclosure of information relating to individual firms in Northern Ireland separate particulars for Great Britain cannot be given.

(c) In week ended September 25, 1948, October 16, 1937, and October 12, 1935. The 1937 and 1935 figures include working proprietors.

Outworkers. In addition to the employees shown above the firms in this trade employed outworkers whose numbers are shown below.

	United Kingdom			Great Britain		United Kingdom		
	1951	1950	1949	1949	1948	1937	1935	1935
Males	6	5	2	..	4	..	..	..
Females	29	25	38	..	23	..	..	..
Total	35	30	40	..	27	..	..	..

(83061/2)

TABLE 15 - Shift working, 1951: Larger establishments in Great Britain

Owing to the risk of disclosure of information relating to individual firms particulars cannot be given.

Wages and salaries and employers' National Insurance contributions paid during the year
Larger establishments

	United Kingdom			Great Britain	
	1951	1950	1949	1949(a)	1948
Wages and salaries (b) of					
Operatives	2,088	1,780	1,704	..	1,562
Administrative, technical and clerical employees	521	463	507	..	567
Total	2,608	2,243	2,211	..	2,129
Employers' contributions to all National Insurance Schemes	68	61	64	..	49

(a) Owing to the risk of disclosure of information relating to individual firms in Northern Ireland separate particulars for Great Britain cannot be given.

(b) Including bonus and commission payments, but excluding payments to outworkers shown below.

£'000				
United Kingdom			Great Britain	
1951	1950	1949	1949	1948
3	4	4	..	4

Plant, machinery and vehicles - acquisitions and disposals, and capital expenditure on new building work

Larger establishments

	United Kingdom			Great Britain	
	1951	1949	1949(a)	1948	
Plant, machinery and vehicles					
Acquisitions					
Plant and machinery					
New	109	94	..	79	
Second-hand	14	31	..	24	
Vehicles					
New	31	7	..	7	
Second-hand	17	6	..	5	
Total acquisitions	171	139	..	115	
Disposals					
Plant and machinery	5	6	..	6	
Vehicles	12	4	..	4	
Total disposals	17	10	..	10	
New building work					
Capital expenditure on new building and other constructional work of a capital nature (excluding site values and development charges)	16	14	..	33	

(a) Owing to the risk of disclosure of information relating to individual firms in Northern Ireland separate particulars for Great Britain cannot be given.

1951

Summary

Larger establishments

TABLE 18

	England (a)	Wales	Scotland	Great Britain	Northern Ireland (a)	United Kingdom
	£'000	£'000	£'000	£'000	£'000	£'000
Gross output (production)	8,664	355	43	..	..	9,062
Cost of materials and fuel used	3,980	168	12	..	..	4,161
Payment for work done on materials given out	23	13	-	..	..	36
Transport payments	58	3	1	..	..	62
Net output	4,603	171	30	..	..	4,803
Wages and salaries of persons employed	2,467	121	19	..	..	2,608
Average number of persons employed (b)	No. 6,457	No. 395	No. 56	No. ..	No. ..	No. 6,908
Net output per person employed (b)	£ 713	£ 432	£ 529	£ ..	£ ..	£ 695
Stocks at end of year	£'000	£'000	£'000	£'000	£'000	£'000
Products on hand for sale and work in progress	1,227	68	11	1,307	-	1,307
Materials and fuel	1,838	77	4	1,919	-	1,919
Number of establishments	No. 101	No. 3	No. 4	No. ..	No. ..	No. 108

The values of gross output and of materials and fuel used are derived in the following way:-

	£'000	£'000	£'000	£'000	£'000	£'000
Output of firms in this trade						
Total value of sales (see Table 20)	8,542	329	38	..	..	8,909
Changes in stocks and work in progress (see Table 21)	+ 122	+ 26	+ 5	..	..	+ 152
Gross output (production)	8,664	355	43	..	..	9,062
Materials and fuel used by firms in this trade						
Purchases	4,655	180	12	..	..	4,847
Changes in stocks (see Table 21)	- 675	- 12	-	..	..	- 686
Materials and fuel used	3,980	168	12	..	..	4,161

(a) Owing to the risk of disclosure of information relating to individual firms, particulars for Northern Ireland, where net output was less than 1 per cent. of that of the United Kingdom, cannot be given separately and have been included with those for England.

(b) Excluding outworkers but including working proprietors.

Summary

Small firms in Great Britain (a)

TABLE 19

	England	Wales	Scotland	Great Britain
Number of returns	157	5	14	176
Average number of persons employed (b)				
Males	738	21	66	825
Females	94	10	19	123
Total	832	31	85	948

(a) Small firms in Great Britain (employing on the average ten or fewer persons) that made satisfactory returns.

(b) Including working proprietors.

Sales in the trade
Larger establishments

S/L/12

TABLE 20

	England and Wales		Scotland		Great Britain		Northern Ireland		United Kingdom	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Principal products		£'000		£'000		£'000		£'000	No.	£'000
Organs and harmoniums and parts thereof										
Complete (except rebuilt organs)	..	(a)	-	-	..	..	..	(a)	147	252
Parts and fittings	..	101	-	-	..	101	-	-	..	101
Stringed musical instruments, including parts and accessories (except strings wholly of gut) but excluding reconditioned instruments	..	73	-	-	..	73	-	-	..	73
Wood and metal wind instruments						Thous.				Thous.
Complete (except reconditioned instruments)	..	(a)	..	(a)	45.4	287	-	-	45.4	287
Parts and accessories	..	(a)	..	(a)	..	31	-	-	..	31
Percussion instruments										
Complete (except reconditioned instruments)	..	106	-	-	..	106	-	-	..	106
Parts and accessories	..	63	-	-	..	63	-	-	..	63
Piano parts						No.				No.
Keyboard sets	20,273	134	-	-	20,273	134	-	-	20,273	134
Actions and other parts (b)	..	335	-	-	..	335	-	-	..	335
Pianos and other musical instruments (excluding gramophones and reconditioned instruments) and parts and accessories, not elsewhere specified; and gramophone records	..	5,395	-	-	..	5,395	-	-	..	5,395
Musical instruments reconditioned and re-sold										
Pianos	..	(a)	..	(a)	6,549	405	-	-	6,549	405
Other	..	(a)	..	(a)	..	25	-	-	..	25

PRECISION INSTRUMENTS, JEWELLERY, ETC. COUNTRY TABLES

(83061/2)

Biscuits (gramophone record blanks) so far as recorded separately; and matrices impressed for the reproduction of gramophone records	..	156	-	-	..	156	-	-	..	156
Waste products	..	21	-	-	..	21	-	-	..	21
Work done for the trade or on commission (c)		15				15				15
Repairs (including renovations, upkeep and tuning of musical instruments)										
Organs rebuilt	..	(a)	..	(a)	..	..	..	(a)	202	251 (c)
Other		(a)		(a)		..		(a)		477 (c)
Total principal products		8,171 (d)		38		..		(d)		8,209
Other output										
Furniture mainly of wood	..	22	-	-	..	22	-	-	..	22
Other manufactures of timber	..	62	-	-	..	62	-	-	..	62
Other goods	..	598	-	-	..	598	-	-	..	598
Work done (c)		18				18				18
Total		8,871 (d)		38		..		(d)		8,909

- (a) Owing to the risk of disclosure of information relating to individual firms, separate particulars cannot be given.
 (b) Excluding piano frames of cast iron.
 (c) Amount charged.
 (d) Owing to the risk of disclosure of information relating to individual firms, particulars for Northern Ireland cannot be given separately and have been included with those for England and Wales.

MUSICAL INSTRUMENTS COUNTRY TABLES

S/L/13

Stocks of products on hand for sale and work in progress,
and stocks of materials and fuel

Larger establishments

TABLE 21

£'000

		England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Products on hand for sale	{ at beginning of year	378	1	379	-	379
	{ at end of year	422	1	423	-	423
Work in progress	{ at beginning of year	770	6	775	-	775
	{ at end of year	874	10	884	-	884
Total products on hand for sale and work in progress	{ at beginning of year	1,147	7	1,154	-	1,154
	{ at end of year	1,295	11	1,307	-	1,307
Materials and fuel	{ at beginning of year	1,229	4	1,233	-	1,233
	{ at end of year	1,915	4	1,919	-	1,919

Employment in September

Larger establishments (a)(b)

NOTE - Owing to the risk of disclosure of information relating to individual firms, particulars for Northern Ireland cannot be given separately and have been included with those for England and Wales throughout this table.

TABLE 22

(i) Operatives

Number

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Males					
Under 18	520	8	..	..	528
All ages	4,673	45	..	..	4,718
Females					
Under 18	77	-	77	-	77
All ages	1,249	2	1,251	-	1,251
Total					
Under 18	597	8	..	..	605
All ages	5,922	47	..	..	5,969

(ii) Administrative, technical and clerical employees

Number

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Males					
Under 18	12	-	12	-	12
All ages	594	4	..	..	598
Females					
Under 18	61	2	63	-	63
All ages	445	6	..	..	451
Total					
Under 18	73	2	75	-	75
All ages (c)	1,039	10	..	..	1,049

TABLE 22 (contd.)

(iii) Total employees

Number

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Males					
Under 18	532	8	..	..	540
All ages	5,267	49	..	..	5,316
Females					
Under 18	138	2	140	-	140
All ages	1,694	8	..	..	1,702
Total					
Under 18	670	10	..	..	680
All ages (c)	6,961	57	..	..	7,018

(a) Excluded employees. The number of persons employed at the larger establishments in this trade but not included in the above tables or in any other Census of Production report (employees in Great Britain engaged, for example, in merchandising and in Northern Ireland canteen and welfare workers) are shown in Table 22(v) below.

(b) Number employed in the week ended September 22, 1951.

(c) Working proprietors. In addition working proprietors, shown in Table 22(iv) below, were engaged in this trade in larger establishments.

(iv) Working proprietors

Number

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Males	15	1	..	..	16
Females	-	-	-	-	-
Total	15	1	..	..	16

(v) Excluded employees

Number

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Canteen workers					
Males	3	-	3	-	3
Females	51	-	51	-	51
Total	54	-	54	-	54
Other workers					
Males	62	1	63	-	63
Females	16	1	17	-	17
Total	78	2	80	-	80
Total excluded employees	132	2	134	-	134

Average employment

Larger establishments (a)

TABLE 23

Number

	England and Wales (b)	Scotland	Great Britain	Northern Ireland (b)	United Kingdom
Operatives	5,857	45	..	..	5,902
Administrative, technical and clerical employees	980	10	..	..	990
Total	6,837	55	..	..	6,892

Outworkers. In addition to the employees shown above the firms in this trade employed outworkers whose numbers are shown below.

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Males	5	1	6	-	6
Females	29	-	29	-	29
Total	34	1	35	-	35

(a) For employment in small firms in Great Britain (employing on the average ten or fewer persons) that made satisfactory returns see Table 19.

(b) Owing to the risk of disclosure of information relating to individual firms, particulars for Northern Ireland cannot be given separately and have been included with those for England and Wales.

Wages and salaries and employers' National Insurance
contributions paid during the year
Larger establishments

TABLE 24

£'000

	England and Wales (a)	Scotland	Great Britain	Northern Ireland (a)	United Kingdom
Wages and salaries (b) of					
Operatives	2,072	16	..	..	2,088
Administrative, technical and clerical employees	517	4	..	..	521
Total	2,589	19	..	..	2,608
Employers' contributions to all National Insurance Schemes	68	1	..	..	68

(a) Owing to the risk of disclosure of information relating to individual firms, particulars for Northern Ireland cannot be given separately and have been included with those for England and Wales.

(b) Including bonus and commission payments but excluding payments to outworkers shown below.

£'000

England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
3	-	3	-	3

TABLE 25 - Plant, machinery and vehicles - acquisitions and disposals,
and capital expenditure on new building work
Larger establishments

See Table 17. No acquisitions or disposals of plant, machinery and vehicles and no capital expenditure on new building work were recorded for Scotland and Northern Ireland.

Payments for transport services for finished goods
sold and materials and fuel purchased

Larger establishments

TABLE 26

£'000

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Amounts paid to other firms and undertakings	54	1	55	-	55
Amount paid or credited to firms' own separate transport organisations	7	-	7	-	7
Total	61	1	62	-	62

GENERAL NOTES

The following brief notes refer to Great Britain and, unless otherwise stated, to the census of production for 1951. Reference should be made to the separate booklet in this series entitled 'The Report on the Census of Production for 1951: Introductory Notes' (price 1s.6d. net) for particulars of the minor differences in the Northern Ireland censuses and other details about the census of production.

Trade classification: Establishments are classified to trades according to the nature of their output. Certain products, called principal products, are identified as characteristic of the production of individual trades, the principal products for a given trade being of a similar nature or commonly associated in production. An establishment is classified to a trade if its output of principal products of that trade accounted for a greater proportion of the value of its output than did its output of principal products of any other trade.

The establishment: The basic unit for the collection of information is generally the establishment which in most cases comprises the whole of the premises under the same ownership or management at a particular address (e.g., a factory). Offices, warehouses and other ancillary places of business situated apart from the producing works are included in the return for the works.

Larger establishments and small firms: Larger establishments are those which employed more than 10 persons on the average during the year; small firms are those employing on the average 10 or fewer persons.

Working proprietors are proprietors of businesses other than limited companies, and include members of their families who work in the business without receiving fixed wages or salaries. Any persons working less than half the normal hours are excluded.

Persons employed: Administrative employees include directors other than those paid by fee only, managers, superintendents and works foremen; research, experimental, development, technical and design employees (other than operatives); draughtsmen and tracers; and travellers and office (including works office) employees. Operatives include all other classes of employees, that is, broadly speaking, all manual workers.

All these figures exclude canteen employees and persons engaged in merchanting or any other activity not covered by a firm's return who are shown separately as excluded employees.

Figures for employees include only persons on the pay-roll (that is whose National Insurance cards were held by the firm), whether full-time or part-time employees.

Outworkers, who are shown separately, are persons employed by the firm who work on materials supplied by the firm, but do not work on the premises; operatives directly employed who work out of doors (e.g., maintenance workers) and sub-contractors are not included as outworkers.

Wages and salaries include all overtime payments, bonuses, and commissions, without any deduction for income tax, insurance, contributory pensions, etc. They exclude payments to working proprietors.

Capital expenditure: Expenditure on plant, machinery and vehicles relates to expenditure charged to capital account during the year of return, including transport and installation costs involved. Expenditure on new building work is similarly that charged to capital account during the year.

Materials and fuel: The cost of materials and fuel purchased includes all purchases during the year of materials for use in production and of fuel (including oil, gas, and electricity for all purposes, including heating and lighting); all packing materials, including the full cost of returnable containers when first purchased; workshop materials; office materials; water charges; materials for repairs to firms' own buildings, plant and vehicles when carried out by

their own work people included in the return; and consumable tools and parts for machinery purchased as replacement. Materials, components, etc. which were purchased and re-sold in the same state (that is, merchantable or factored goods) were excluded. For 1951 firms in many trades were required to state the quantities of certain purchased materials used.

Stocks and work in progress: Firms were instructed to give these at income tax value.

Output: Sales means sales during the year of goods made in the establishment covered by the return or made on commission for it, whether produced in the year or not. For all post-war censuses the value of sales was the net selling value, that is, the amount charged to customers, whether on an ex-works or delivered basis, and net of any trade discounts, agents' commissions, allowances for returnable cases, purchase tax, etc. For goods charged on a delivered basis to customers overseas, firms were required to give the f.o.b. value.

Gross output of a trade is the total value of goods made and other work done during the year; this means the value of sales and work done during the year adjusted for changes in the values of stocks.

Net output is the amount left after deducting from the value of gross output the aggregate of the cost of materials and fuel used and the amount paid for work given out and, for 1951, any transport payments included in firms' returns. This represents the value added to materials by the process of production, and constitutes the fund from which wages, salaries, rents, rates and taxes, advertising and other selling expenses and all other similar charges have to be met as well as depreciation and profits.

Customs and Excise Duty paid on materials purchased is included in the cost of materials, but where it is especially important separate figures are shown.

Later reports: Reports will be published later summarising the main census results and giving information about power equipment and fuel consumption.

Disclosure of information: The report has been prepared in conformity with the disclosure provisions of the Statistics of Trade Act, 1947. Figures have been combined with others of a similar nature in certain cases where publication of separate details might disclose the operations of an individual firm.

Symbols used: '..' for 'Not available', '-' for 'Nil or negligible (less than half the final digit shown)'

The figures in the tables have been rounded off to the nearest final digit, and there may be an apparent slight discrepancy between the sums of the constituent items and the totals shown.

Tables 1 to 17 show figures for the United Kingdom (or Great Britain).

Tables 18 to 26 are country tables and give, where practicable, separate details for England and Wales, Scotland and Northern Ireland.

Table 6: Specialist producers refer to those establishments 50 per cent. or more of whose total output by value is accounted for by the groups of products specified.

Table 8 (or 8(i)) shows the total sales of principal products of the trade, and includes therefore the sales of these products returned by establishments whether classified to the trade or to other trades. Those produced by establishments in other trades are shown in Table 9.

Table 10 shows the sales by establishments in the trade of products other than those regarded as principal products of the trade.

Table 20 (or 20(i)) shows sales by establishments in the trade of products, whether principal products or not, and broadly the aggregates here are equal to the corresponding figures in Table 8 (or 8(i)) less those in Table 9, plus those in Table 10.

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