### THE SPORTS REQUISITES 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 manufacture of sports requisites. 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 ten persons :—

Particulars	Unit	1930	1924
	1942		
Value of goods made and work done (Gross output)	£'000	3,117	3,167
Cost of materials used	"	1,435	1,522
Paid for work given out to other firms	,,	5	2
Net output Average number of persons employed (excluding	"	1,677	1,643
outworkers)	No.	8,515	6,775
Net output per person employed (excluding	and the second		
outworkers)	£	197	242
Power available :		12 1991 124	1 194 6 10
Prime movers	H.P.	1,679	2.394
Electric motors driven by purchased electricity	,,	4,405	2,856
Number of returns	No.	127	141
Number of establishments	,,	150	*

\* Not available.

**Deficiencies in 1930 aggregates.**—The aggregate number of persons employed in 1930 by firms that stated that they employed not more than ten persons on the average was 1,338, the corresponding figure for 1924 being 729. The value of the gross output of the small firms in 1924 was  $\pounds 240,000$ , and particulars of the items included in this figure are given below :—

					£'000
Billiard and bagatelle tables	, parts	and a	ccessor	ies	53
Rubber balls :	-				
Golf					1
Other than golf or tennis					21
Requisites for sports and at.	hletics	:			
Woodworking section					134
Goods of leather or canva	s				5
Fishing tackle					23
Other products					2
Work done for the trade					1
The state of the second s	TOTAL				240

## SPORTS REQUISITES

## MISCELLANEOUS TRADES

In addition, 23 firms to which schedules were sent at the 1930 Census and 70 at that of 1924 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	Number of returns	Gross output	Net output	Average number of persons employed (excluding outworkers)	Net output per person employed
	No.	£'000	£'000	No.	£
11-24	 43	256	144	724	199
25-49	 37	443	253	1,322	192
50-99	 26	707	377	1,852	204
100-199	 13	666	326	1,760	185
200-299	 3	369	192	762	251
300-499	 5	676	385	2,095	184
TOTAL	 127	3,117	1,677	8,515	197
	The state of the s		Contraction of the Contraction of the Contraction	and the second se	

**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	Number of returns	Gross output	Net output	Average number of persons employed (excluding outworkers)	Net output per person employed
	No.	£'000	£'000	No.	£
1 { 1930	53	1,690	897	3,806	236
1 1924	56	1,781	903	3,391	266
$2 \qquad \dots \begin{cases} 1930 \\ 1024 \end{cases}$	8	168	90	472	191
2 1924	12	339	159	604	263
$3 \text{ and } 4 \begin{cases} 1930 \\ 1024 \end{cases}$	9	317	187	1,124	166
[ 1924	15	342	211	864	244
$5 \qquad \dots \begin{cases} 1930 \\ 1024 \end{cases}$	23	328	185	1,336	138
[1924]	17	228	94	537	175
6 \$ 1930	13	246	126	809	156
0 ···· \ 1924	20	233	133	643	207
9 $\begin{cases} 1930 \\ 1024 \end{cases}$	6	110	51	281	184
[ 1924	4	41	19	84	226
$10 \qquad \dots \begin{cases} 1930 \\ 1094 \end{cases}$	15	258	141	687	205
10 \$ 1924	17	203	124	. 652	190
<b>∏</b> ∫1930	127	3,117	1,677	8,515	197
TOTAL $\dots$ $\begin{cases} 1000\\ 1924 \end{cases}$	141	3,167	1,643	6,775	242

\* For particulars see page xviii,

Northern Ireland.—No production of sports requisites was recorded in Northern Ireland either for 1930 or for 1924.

## Production

**Principal products.**—The following table shows the value and, where available, the quantity of sports requisites made in 1930 and 1924 :—

and the second se			1924				
the with the just many instance	Retu	Returned on schedules for					
Kind of goods	The Sj Requi Tra	sites	All tr	ades	Total		
	Value	Entries	Value	Entries	Value		
read the second of an interview	£'000	No.	£'000	No.	£'000		
Billiard and bagatelle tables, parts and accessories*	229	14	243	17	541		
Requisites for sports and athletics : Woodworking section (including rackets, presses, etc., cricket bats and stumps, golf clubs, croquet and hockey sticks, bowls, tennis posts, etc.) Goods of leather or canvas (including		73	1,594	89	-		
gloves for cricket, fives, etc., boxing gloves, leg guards, cricket, tennis, golf and hockey bags, cricket balls, foot- balls, etc.) Other requisites for sports and athletics (including strings for tennis, etc.,	376	32	625	76	> 2,113†		
rackets)	91	13	238	26	]		
Rubber goods :	168	9	703	19	531		
Tennis balls $\dots$ $(Th. doz.)$ (Th. doz.)	(290) 336 (607)	8	(1,144) 634 (1,632)	16	553		
Other rubber balls	(007) §		(1,052) 81	20			
Rubber balls, not separately dis- tinguished	_		o u <u>ni</u> nt		1,054		
Total—Rubber balls	504		1,418	••••	1,660		
Rubber goods other than rubber balls	ning star	North P	Restangente	-	Rapping 1		
(e.g., racket covers, rubber handles, etc.) Fishing tackle	$\frac{2}{284}$	7 19	$egin{array}{c} 16 \ 286\phi \end{array}$	8 20	$\P$ 156 $\phi$		
Total—Principal products	3,024		4,420		4,470		

\* Including billiard room furniture and fittings, setting-up and repair work and the value added in refitting second-hand tables, and also the estimated selling values of tables made in the year of return to be let out on hire.

† Including repair work.

‡ So far as separately recorded.

§ Less than £500.

|| Including some sports requisites of rubber other than balls.

¶ Not separately recorded.

 $\phi$  Excluding fishing tackle and fish-hooks (valued at £115,000 in 1930 and £226,000 in 1924) returned on schedules for the Needle, Pin, Fish-hook, etc., Trade, the report on which forms part of a separate volume (Part II).

#### MISCELLANEOUS TRADES

The output of tennis balls shown in the above table for 1930 includes an element of duplication arising from the fact that certain firms in the Rubber Trade manufactured the rubber parts only of tennis balls and sold them to other manufacturers for covering. Such goods were returned as "tennis balls" by both the rubber manufacturer and the manufacturer of the finished balls. It is estimated that the total production of tennis balls recorded on schedules for all trades (1,632 thousand dozen, valued at  $\pounds$ 634,000) contained duplication to the extent of about 600 thousand dozen. On this assumption the output of finished tennis balls for 1930 was approximately 1,032 thousand dozen, valued at  $\pounds$ 521,000. The output recorded under this heading for 1924 also included certain duplication, but its precise amount cannot be estimated.

Volume of production in 1930 and 1924.—The average selling values of the various classes of sports requisites in 1930 and 1924 cannot be compared since no quantitative particulars of output were obtained for the earlier year. Having regard to the decline in prices of the chief materials used and in the average earnings of the operatives employed, it is estimated that the total of £4,470,000 recorded as the output of sports requisites in 1924, would represent a sum of about £3,800,000 in terms of 1930 prices. The total sum recorded for 1930 (£4,420,000) exceeded this figure by about 16 per cent.

**Production, exports and imports.**—The following table shows, in relation to production, the values of the principal classes of sports requisites exported from the United Kingdom in 1930 and 1924, together with the values of such goods imported and retained. As regards the 1930 figures of production, the deficiencies referred to on page 315 of this report should be borne in mind; the figures for 1924 include the recorded output of the small firms. The production figures represent values "at factory," exports are stated f.o.b., and retained imports c.i.f.

Kind of goods	Produc- tion	Exports	Retained imports
and the second s	£'000	£'000	£'000
Billiard and bagatelle tables and ∫ 1930	243	.41	10
accessories	594	57	24
Rubber balls :		-	and applied
Golf balls 1930	703	284	*
Tennis balls 1930	634	195	-*
Other rubber balls 1930	81	44	61
[1930]	1,418	523	61
TOTAL—Rubber balls $\dots \qquad \dots \begin{cases} 1930\\ 1924 \end{cases}$	1,858†	510	88
Other sports goods and requisites :	haliment	The man in a	antion to
(1090	4011	140	15
Fishing tackle (including fish-hooks) 1930 1924	416	148	26
1930	2,473	704	266
Other descriptions $\dots \dots 1924$	2,158	611	83

\* Less than £500.

† Including some sports requisites of rubber other than balls.

<sup>†</sup> Including fishing tackle and fish-hooks returned on schedules for the Needle, Pin, Fish-hook, etc., Trade. Repair work and work done for the trade.—In addition to the value of repair work included in the table of principal products on page 317, a total of  $\pounds 18,000$  was recorded separately as received for work done in 1930. The corresponding amount recorded for 1924 was  $\pounds 9,000$ .

**Other products.**—In addition to the output shown in the table of principal products on page 317, other goods valued at  $\pounds75,000$  were produced in 1930 by firms that made their returns on schedules for the Sports Requisites Trade, the corresponding total for 1924 being  $\pounds58,000$ . These goods are dealt with in the reports on those trades in which the principal output was recorded.

## Employment and Wages

**Employment.**—The following table shows the average numbers of persons employed in 1930 and 1924 :—

Demons smalland	Males		Females		Total	
Persons employed	Under 18	All ages	Under 18	All ages	Under 18	All ages
1930 Operatives (average for the year) Administrative, technical and	754	4,582	895	2,819	1,649	7,401
clerical staff (as at 18th October)	41	635	100	479	141	1,114
Total	795	5,217	995	3,298	1,790	8,515
1924 Operatives (average for the year) Administrative, technical and clerical staff (as at 18th October)	602 25	4,085	522	1,800	1,124	5,885 890
TOTAL	627	4,634	572	2,141	1,199	6,775
Average number of outworkers:     1930       1924	a second s	1 6		13 77	1075	

**Wages.**—The available information as to the amount of wages paid in 1930 and 1924 is given on pages 210 and 211.

# 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 :—

And the second s	Loz. Canal	We want		Contraction of the second	WARDAN 2	COLOR S	
D		1930		1924			
Power equipment	Ordinarily in use	In reserve or idle	Total	Ordinarily in use	In reserve or idle	Total	
PRIME MOVERS	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.	
Reciprocating steam engines Internal combustion	551	132	683	355	120	475	
engines :— Gas Petrol, kerosene, or	582	165	747	1,563	356	1,919	
other light oils	28		28			1999	
Heavy oils Water engines	$\begin{array}{c} 201 \\ 20 \end{array}$	, Tradada	201 20				
TOTAL	1,382	297	1,679	1,918	476	2,394	
ELECTRIC GENERATORS Driven by	Kw.	Kw.	Kw.	Kw.	Kw.	Kw.	
Reciprocating steam engines Internal combustion	150	150	300	100	100	200	
engines :— Gas Petrol, kerosene,	146	60	206	135	80	215	
or other light oils Heavy oils	2 72		2 84	anna an tha an			
TOTAL	370	222	592	235	180	415	
ELECTRIC MOTORS Driven by	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.	
Electricity generated in same works Electricity generated in other works	660	65	725	667		667	
under same owner- ship	8		8	×	Aller - Carrier		
Purchased electricity	4,172	233	4,405	2,591	265	2,856	
<b>TOTAL</b>	4,840	298	5,138	3,258	265	3,523	

# **Consumption of fuel**

The following table shows the quantities of coal, coke, and electricity recorded as used in 1930:---

Kind of fuel used	For power (driving engines)	For other purposes (so far as recorded)	For power and other purposes not separately distinguished
Coal Coke	Tons 2,534 49	Tons 1,520* 961*	Tons 55 412
	an an		B.T.U. (Kwhrs.) '000
Electricity used for all purposes : Generated in same works Generated in other works under s	· · · · · · · · · · · · · · · · · · ·		508
Purchased			2,577
Тота	L—Electricity .	·····	3,088

\* These figures were recorded by firms representing  $82 \cdot 7$  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		e de la companya de l	and the second second second	and a property of the second
(Gross output)	£'000	2,749	368	3,117
Cost of materials used	,,	1,260	175	1,435
Paid for work given out to other firms	.,,	4	1	5
Net output Average number of persons employed	"	1,485	192	1,677
(excluding outworkers) Net output per person employed (ex-	No.	7,547	968	8,515
cluding outworkers)	£	197	199	197
Prime movers Electric motors driven by purchased	H.P.	1,563	116	1,679
electricity	"	3,237	1,168	4,405

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TT.	-	LU	uu	C 01	UП

Kind of goods made and work done	Unit	England and Wales	Scotland	Great Britain
Billiard and bagatelle tables, parts and accessories* Requisites for sports and athletics :	£'000	229		229
Woodworking section (including rackets, presses, etc., cricket bats and stumps, golf clubs, croquet and hockey sticks, bowls, tennis posts,				
etc.)	"	1,272	266	1,538
gloves, leg guards, cricket, tennis, golf, and hockey bags, cricket balls, footballs, etc.)		+	+	376
Other requisites for sports and ath- letics (including strings for tennis, etc., rackets)	"	†	+	91
Rubber goods :	2.9			
Golf balls {	Th. doz. £'000 Th. doz.	† † 607	† †	290 168 607
Tennis balls    {     Other rubber balls	£'000 £'000	336 ‡	_	336 ‡
TOTAL—Rubber balls $\dots$ {	Th. doz. £'000	† †	† †	897 504

	and the second second			
Kind of goods made and work done	Unit	England and Wales	Scotland	Great Britain
aban maada aant	State State State	and the second second		No. N. Statistica (S.

SPORTS REQUISITES

		wates		-
Rubber goods— <i>cont</i> . Other rubber goods (e.g., racket				
covers, rubber handles, etc.)	£'000	+	+	2
Fishing tackle	,,	274	10	284
Other goods made	,,	56	19	75
TOTAL VALUE OF GOODS MADE	£'000	2,736	363	3,099
and the state of the state of the state		Amount received	Amount received	$\begin{array}{c} {\rm Amount} \\ {\rm received} \end{array}$
Repair work other than that included under first heading above	£'000	13	5	18
Total value of goods made and work done (Gross output)	£'000	2,749	368	3,117

\* Including billiard room furniture and fittings, setting-up and repair work and the value added in refitting second-hand tables, and also the estimated selling values of tables made in the year of return to be let out on hire.

of tables made in the year of return to be let out on hire. † Owing to the possible disclosure of information relating to individual firms, separate particulars for England and Wales and for Scotland cannot be given. ‡ Less than £500.

# III. Employment

A.—NUMBERS EMPLOYED IN WEEK ENDED 18TH OCTOBER, 1930 (EXCLUDING OUTWORKERS)

Parsons applayed	Ma	Males		Females		Males and females	
Persons employed (excluding outworkers)	Under 18	All ages	Under 18	All ages	Under 18	All ages	
England and Wales :   Operatives   Administrative, etc.*	00	4,007 567	793 79	2,533 405	1,469 115	6,540 972	
TOTAL /	712	4,574	872	2,938	1,584	7,512	
Scotland :— Operatives Administrative, etc.*	-	539 68	95 21	$\begin{array}{c} 263 \\ 74 \end{array}$	167 26	802 142	
Total	77	607	116	337	193	944	
Great Britain :— Operatives Administrative, etc.*	41	4,546 635	888	2,796 479	1,636 141	7,342 1,114	
Тотаг	789	5,181	988	3,275	1,777	8,456	

\* Administrative, technical and clerical staff.

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## IV. Power

PARTICULARS OF PRIME MOVERS, ELECTRIC GENERATORS AND ELECTRIC MOTORS

chane (		and and Scotland		and	Great Britain	
Power equipment	Ordinarily in use	In reserve or idle	Ordinarily in use	In reserve or idle	Ordinarily in use	In reserve or idle
PRIME MOVERS	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.
Reciprocating steam engines Internal combustion engines :—	551	132	-		551	132
Gas Petrol, kerosene, or	514	165	68		582	165
other light oils Heavy oils Water engines	$\begin{array}{c} 25\\ 156\\ 20\end{array}$		3 45 —	*	28 201 20	
TOTAL	1,266	297	116		1,382	297
TOTAL OF PRIME MOVERS INSTALLED	1,5	63	116		1,679	
ELECTRIC GENERATORS Driven by	Kw.	Kw.	Kw.	Kw.	Kw.	Kw.
Reciprocating steam engines Internal combustion	150	150			150	150
engines :— Gas Petrol, kerosene, or other light	134	60	12		146	60
oils Heavy oils	2 72	12			2 72	12
TOTAL	358	222	12		370	222
TOTAL OF ELECTRIC GENERATORS INSTALLED	580		12		592	
ELECTRIC MOTORS Driven by	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.
Electricity generated in same works Electricity generated in other works under same owner-	660	65	-	· · · ·	660	65
ship Purchased electricity	8 3,094	143	1,078	90	8 4,172	233
TOTAL	3,762	208	1,078	90	4,840	298
TOTAL OF ELECTRIC MOTORS INSTALLED	3,	970	1,168		5,138	

# B.—Operatives (excluding outworkers) employed in one week in each month of 1930

Males and females Males and females Week Week ended England England ended Great Great and Scotland and Scotland Britain Britain Wales Wales Jan. 18 ... 6,305 701 7,006 July 19 ... 6,691 909 7,600 Feb. 15 ... 6,466 760 7,226 Aug. 16... 6,520 874 7,394 Mar. 15 ... April 12 ... 6,615 815 7,430 Sept. 13... 6,429 891 7,320 6,743 856 7,599 Oct. 18... 6,540 802 7,342 May 17 ... 6,882 892 7,774 Nov. 15... 6,465 790 7,255 June 21 ... 6,822 916 7,738 Dec. 13 ... 6,419 705 7,124 Average for the twelve months... ... 6,575 826 7,401

CNUMBERS OF OUTWORKERS AT TWO SPI	PECIFIED PERIODS IN	1930
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Country		January		i strander ge	July	
Country	Males	Females	Total	Males	Females	Total
England and Wales	58	126	184	43	98	141
Scotland		and the second	-	1	1	2
Great Britain	58	126	184	44	99	143

Kind of fuel used	England and Wales	Scotland	Great Britain
Coal used for power* Coke used for power*	Tons 2,492 49	Tons 42 —	Tons 2,534 49
	B.T.U. (Kwhrs.) '000	B.T.U. (Kwhrs.) '000	B.T.U. (Kwhrs.) '000
Electricity used for all purposes :— Generated in same works Generated in other works under same	505	3	508
ownership Purchased	3 2,017	560	3 2,577
TOTAL—Electricity	2,525	563	3,088

# V. Consumption of fuel

\* In addition, 55 tons of coal (13 tons in England and Wales and 42 tons in Scotland) and 412 tons of coke (382 tons in England and Wales and 30 tons in Scotland) were recorded as used for power and for other purposes, not separately distinguished.