THE RUBBER TRADE.

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Introductory.*

The tables on pages 241 to 245 are based on returns received from firms in Great Britain and Northern Ireland whose business in 1924 consisted wholly or mainly in the manufacture of rubber goods. The number of such separate returns was 376. About 70 firms to which schedules were sent did not furnish returns, but these firms for the most part had very small establishments and they included some which had ceased operations before the end of the censal year. On the basis of the information available it is estimated that they did not employ more than 150 persons in all and that their total net output probably did not exceed £25,000.

Summary of results.—The following table shows the main results of the Censuses of 1924, 1912 and 1907, comparisons between the figures for the three years being subject to the qualifications mentioned in the next paragraph.

Particulars.	Unit.	1924.	1912.	1907.
Value of goods made and work done (Gross output)	£'000 ,, No. £	24,024 12,236 11,788 48,087 245	12,624 8,240 4,384 31,550 139	8,908 5,932 2,976 24,039 124
Mechanical power available:— Prime movers	H.P.	51,676 60,217	35,865 7.244	27,440 (not

Qualifications affecting comparisons.—In considering the above table and the other tables in this report which show figures for different censal years, it should be borne in mind that:—

(1) The comparability of figures relating to value or cost is affected by the changes which have taken place in the general

purchasing power of money.

(2) The Censuses of 1907 and 1912 covered Great Britain and the whole of Ireland, but that of 1924 applied only to Great Britain and Northern Ireland. Separate particulars relating to the output of rubber goods were not published in connexion with the Census of Production taken by the Government of the Irish Free State in respect of the year 1926, but the exclusion of Southern Ireland in 1924 does not seriously affect the comparability of the figures.

(3) The Censuses of 1907 and 1924 extended to all firms, however small, but, in 1912, firms employing not more than five persons (excluding the proprietors) were merely required to state the average number of persons employed by them in the year. According to the information so furnished, the average number of persons employed in the establishments thus excluded was 345, or about 1 per cent. of the number employed by the

remaining firms as shown in the above table.

Value of output and cost of materials.—The figures in the above table representing the value of goods made and work done and the cost of materials used, are the aggregates of the figures recorded by the firms that made returns, and, for the reasons explained in paragraphs (i) and (ii) on page xiii, they probably over-state the value of the output of, and the cost of materials used by, the Rubber Trade considered as a whole. The matter is discussed on page 237, where it is estimated that the value, free from duplication, of the output of the Rubber Trade in 1924 lay between £23,000,000 and £24,000,000, and the cost of materials purchased from sources outside the trade and worked up into its products lay between £11,200,000 and £12,200,000.

Production.

Detailed information relating to the output of the Rubber Trade in 1924 is given in Table II on pages 242 and 243.

Total make of rubber.—The total quantity of rubber in sheets, thread, etc., manufactured in 1924, inclusive of such rubber used

^{*} See also the Notes on pp. vii to xv.

for further manufacturing purposes in the works of the firms by which it was made, was 43,270 tons. Exports of sheet or thread rubber in 1924 amounted to 560 tons and net imports to 280 tons, the total quantity available for consumption in the United Kingdom in the year being thus, approximately, 43,000 tons.

Of the total output of sheet or thread rubber (43,270 tons), 39,520 tons were used by the manufacturers themselves in the production of other goods, and the remaining 3,750 tons were sold in sheets, thread, etc., or added to stock.

Rubber manufacturers were not required to furnish a statement of their total make of sheet or thread rubber in the Censuses of 1907 or 1912.

Principal products.—The following statement shows the value of the output for sale of the principal products of the Rubber Trade in 1924, 1912 and 1907, the figures for each year being inclusive of the output of similar products returned on schedules for other trades.

entransporter of the first party scan superior solutions	1924.	1912.	1907.	
Kind of products.	Selling value.	Selling value.	Selling value.	
Sheet and thread rubber; rubber valves, washers, etc., for industrial purposes; and	£'000.	£'000.	£'000.	
miscellaneous rubber goods	2,338	2,130	2,585	
Tyres and tyre covers, pneumatic	8,067	4,546	2,298	
Solid tyres	2,473	699	536	
Waterproof piece goods	1,102	544	> 1,194*	
Rubber boots and shoes	1,265	502	534	
Hose and tubing of rubber, etc	1,885	658		
Machinery belting of rubber or balata	923	511	136	
Rubber heels	819†	499	314	
Hot water and air goods; medical, surgical, etc.,	651	254	181	
goods	181	135	51	
Rubber compounds and solution	126	37	54	
Rubber substitutes	912	186		
Vulcanite, ebonite, and articles thereof Waste and reclaimed rubber	237	476	137	
waste and rectamica rubber				
Total—Principal products	20,979	11,177	8,020	

^{*} Including some waterproof garments.

† Including soles.

The value of the output of the principal rubber products in 1924 was over two and a half times the value of similar products in 1907. The cost of the materials purchased represented about two-thirds of the value of the gross output in 1907 and 1912 and only about one-half in 1924. The most important of these materials is raw rubber, the average import value of which was 2·90 shillings per lb. in 1907, 3·50 shillings per lb. in 1912, and 1·14 shillings per lb. in 1924. The value of materials used was rather more than twice as great in 1924 as in 1907, and the value per lb. of imported raw rubber in 1924 was less than 40 per cent. of the corresponding figure for 1907, so that it would appear that the volume of output was much greater in 1924 than in 1907.

More detailed particulars of the output of the principal products of the trade in 1924 are given in the following table:—

WIN TONICINE THE PERMINENT AND THE PARTY OF	Returned on schedules for						
Kind of products.	The Rubbe	er Trade.	All tı	ades.			
Hall of produces	Quantity.	Selling value.	Quantity.	Selling value.			
mar stock (alsoberg lingsock from	Tons.	£'000.	Tons.	£'000.			
Rubber in sheets, thread, etc Rubber valves, washers, rings, packing,	3,750	971	3,760	973			
etc., for industrial purposes		525	n abor f	525			
trades	Sb4., 98	347	ioder all	347			
Rubber flooring	••	137	••	137			
Piping and tubing of rubber or rubber and other materials, armoured or	m1 1		701 1				
not:— Hose	Th. yds. 5,270 Tons.	722	Th. yds. 5,270 Tons.	722			
Mechanicals	4,000	1,163	4,000	1,163			
TOTAL VALUE—PIPING AND TUBING		1,885	••	1,885			
Pneumatic tyres and tubes:—							
Outer covers—	Thous.	4010	Thous.	4.010			
Motor car	1,927 634	4,913 617	1,927 634	4,913			
Motor cycle	5,932	1,291	5,932	1,291			
Not separately distinguished	•••	.,	35	28			
Inner tubes	7,382	1,202	7,489	1,218			
TOTAL—PNEUMATIC TYRES AND TUBES	15,875	8,023	16,017	8,067			
Solid tyres :—	40.4	0.000	410	0.100			
For mechanically propelled vehicles	404	2,083	412	2,128 306			
For other vehicles		39	•	39			
OTAL VALUE—Solid TYRES		2,428	•••	2,473			
101. To hondon the transfer	Tons.	000	Tons.	923*			
Machinery belting, rubber or balata Hot water and air goods; medical,	1,670	636	1,820	923			
surgical, etc., goods Rubberproofed and waterproofed piece	••	645	Company of the Control of the Contro	651			
goods		979 ₹		1,102			
	Th. doz.	,	Th. doz.				
Rubber boots and shoes	pairs. 988	1,256	pairs. 991	1,265			
cubber boots and snoes	Tons.	1,200	Tons.	and distance of the			
Rubber heels and soles	3,720	819	3,720	819			
Miscellaneous rubber goods		165		182			
Rubber compounds and solutions	1,680	179	1,680	181			
Rubber substitutes	••	72		126			
11		774		912			
Vulcanised fibre		173		174			
Waste and reclaimed rubber		234		237			
TOTAL VALUE—PRINCIPAL PRODUCTS		20,248	Doug Law	20,979			

^{*} Includes machinery belting valued at £225,000, for which quantity was not stated.

No particulars of the *quantity* of any class of rubber goods made in 1907 were obtained, but in 1912 it was stated that 1,035,000 dozen pairs of rubber boots and shoes and 35,280 cwts. of rubber and balata belting were manufactured in that year. It will be seen that tyres and tubes accounted for rather over 50 per cent. of the total value of the principal products of the trade in 1924.

Other products.—In addition to the principal products, dealt with in the preceding tables, there was returned on schedules for the Rubber Trade an output of other goods as set out below. These goods, being of kinds mainly produced in other trades, are dealt with in the reports on those trades*:—

server by the server by the server by	19	24.	1912.	1907.	
Kind of goods.	Quantity.	Selling value.	Selling value.	Selling value.	
Overcoats, mackintoshes, oilskins, etc.:—	Number.	£'000.	£'000.	£'000.	
Rubber proofed Oil, paint and other proofings Other descriptions	2,015,000 72,000 208,000	1,666 48 257	} 950 53	} 770	
tennis and other rubber balls Toys, wholly or mainly of rubber Other goods made		1,056 45 162	} 438 121	473 90	
TOTAL VALUE		3,234	1,562	1,333	

Repairs and work done on commission.—In addition to the manufactured goods recorded in the preceding paragraphs, the following amounts were returned in respect of repairs and other work done for customers, the figures for each year being inclusive of amounts received for similar work recorded by firms that made their returns on schedules for other trades. The amount so included for 1924 is £23,000.

	1924.	1912.	1907.
Kind of work done.	Amount received.	Amount received.	Amount received.
Repairs	£'000.	£'000. 155	£'000.
Work done on commission :— Waterproofing	473	267 4	106
TOTAL	565	426	121

^{*} The total production of overcoats, mackintoshes, etc., is given on page 253 of the volume containing the report on the Clothing Trades, and of sports requisites, etc., on page 419 of this volume.

The greater part of the amounts shown for repairs represents work done on tyres on behalf of private customers, while the work done on commission was probably done mainly on material supplied by merchant firms.

Value of output free from duplication.—The gross value of the goods manufactured by firms that furnished returns on schedules for the Rubber Trade was returned as £24,024,000, including £542,000 received for repairs, waterproofing and other work done for customers. As regards goods made, the possibility of duplication arises in respect of goods made by one firm and sold to another for further manufacture, both firms making returns on schedules for the Rubber Trade. The principal classes of goods so affected are:—rubber in sheets and threads, £971,000; rubberproofed and waterproofed piece goods, £979,000; rubber compounds and solutions, £179,000; rubber substitutes, £72,000; and waste and reclaimed rubber, £234,000; making a total of £2,435,000. The rubber and waterproofed piece goods, however, were probably in the main sold to firms in the clothing trades whose output of rubber-proofed goods was returned as £1,534,000 (taking no account of a further £1,589,000 for garments not distinguished as to whether they were proofed or not). There remain the other goods valued at £1,456,000, and of these there were exported sheet and thread rubber valued at £307,000 f.o.b., and reclaimed rubber, waste rubber, and rubber substitutes to the value of £118,000 f.o.b., besides, probably, some compounds and solutions not separately recorded. Allowing roughly for the factory value of these exports, there remains nearly £1,100,000, the value of goods which were either sold to firms that made returns on schedules for the Rubber Trade, in which case the value is duplicated, or were sold to firms outside the Rubber Trade (e.g. the electrical trades), or were added to makers' stocks. The repair work and commission work were done wholly or mainly for private customers, for firms outside the Rubber Trade or for merchants. The value of the output returned on schedules for the Rubber Trade in respect of the year 1924 may, therefore, be estimated, free from duplication, at a figure lying between £23,000,000 and £24,000,000. The corresponding net figure for 1907 lay between £8,400,000 and £8,900,000.

Cost of materials.—The cost of materials used by firms that made their returns on schedules for the Rubber Trade was returned as £12,236,000 in 1924, a sum which, by the exclusion of purchases of products of other firms in the trade, is reduced to an amount lying between £11,200,000 and £12,200,000. The corresponding net figure for 1907 lay between £5,400,000 and £5,900,000.

Net output.—The net output in 1924 of the firms that made their returns on schedules for the Rubber Trade (whose gross output was valued at £24,024,000) was £11,788,000, that sum representing,

without duplication, the total amount by which the value, as delivered, of the aggregate output exceeded the cost, as purchased, of the materials used.

The net output per head of persons employed in the censal year 1924 was £245 as compared with £139 in 1912, and £124 in 1907.

Exports and imports.—In 1907 and 1912 the only rubber goods which were recorded by quantity in the import and export statistics were boots and shoes. Retained imports and British exports of rubber boots and shoes in the three censal years were as follows:—

1924. 1912. 1907. In thousand dozen pairs.

Retained imports 225 98 105 British exports 259 128 301

The following table, relating to the year 1924, shows the total production of certain of the main classes of rubber manufactures in relation to the exports and imports of similarly described goods.

Kind of goods.	Production.	Exports.	Net imports.	Available for use in the United Kingdom.	Share of home market held by British made goods.
Tyres and tubes :— Pneumatic— Outer covers—	Number.	Number.	Number.	Number.	Per cent.
Motor car	1,927,000	550,000	843,000	2,220,000	62.0
Motor cycle	634,000	161,000	20,000	493,000	95.9
Cycle	5,932,000	1,623,000	724,000	5,033,000	85.6
Not separately distinguished	35,000			35,000	to soils.
Total—Outer covers	8,528,000	2,334,000	1,587,000	7,781,000	79.6
Inner tubes for motor cars, motor cycles, and cycles Solid tyres for mechanically propelled	7,489,000	1,935,000	2,039,000	7,593,000	73 · 1
vehicles	412,000	62,000	72,000	422,000	82.9
Probable and the Park Control of	Doz. pairs.	Doz. pairs.	Doz. pairs.	Doz. pairs.	Digitally is
Rubber boots and shoes	991,000	259,000	225,000	957,000	76.5
	Tons.	Tons.	Tons.	Tons.	ALEXANDER DE LA CONTRACTOR DE LA CONTRAC
Rubber heels and soles	3,720	262	93	3,551	97.4

The exports and imports of tyres and tubes shown above include those exported or imported on complete vehicles.

Wages in 1924.

Under the Census of Production Act, 1906, the powers of the Board of Trade to require information do not extend to particulars of the amount of wages paid, and, consequently, no information on this head was secured in connexion with the Census of 1924. As a result, however, of the voluntary enquiry undertaken by the Ministry of Labour into wages and hours in the United Kingdom in 1924,

information was obtained as to the total wage-bill of a group of firms in the Rubber Trade that made returns both to the Ministry of Labour and to the Census of Production office. According to the Census records this group of firms employed, in the week ended 18th October, 1924, 31,101 operatives, or 76 per cent. of the total of 40,771 operatives for the trade as a whole, and their net output totalled £9,484,000, or 80 per cent. of the aggregate net output of £11,788,000 for the trade as a whole. The total wage-bill of these firms, as returned to the Ministry of Labour, was £3,544,000, representing about 37 per cent. of their aggregate net output.

Employment.

The detailed information relating to employment in 1924 is summarised in Table III on page 244. The following table sets out certain particulars for that year together with those relating to the two previous censal years. For the purpose of this comparison, the average numbers of operatives of each sex returned for 1924 have been divided between the two age-groups in the proportions shown by the data relating to the week ended 18th October.

	Males.		Females.		Males and females.	
Average number.	Under 18.	All ages.	Under 18.	All ages.	Under 18.	All ages.
1924. Operatives Administrative, etc	2,243 506	22,516 5,110	4,258 342	18,130 2,331	6,501 848	40,646 7,441
TOTAL	2,749	27,626	4,600	20,461	7,349	48,087
1912. Wage earners	1,829 383 2,212	17,519 3,057 20,576	2,646 94 2,740	10,538 436 10,974	4,475 477 4,952	28,057 3,493 31,550
1907. Wage earners	1,698 300	13,041 2,209	1,910 38	8,515 274	3,608 338	21,556 2,483
TOTAL	1,998	15,250	1,948	8,789	3,946	24,039

The numbers of operatives recorded month by month in 1924 ranged from 2,646 below the average, in January, to 910 above the average, in July (see Table IIIB, page 244).

Mechanical Power.

The detailed information relating to mechanical power in 1924 is summarised in Table IV on page 245. The following table sets out the particulars for the three censal years relating to the capacity and kinds of *prime movers* and the capacity of *electric generators* installed.

The Control of the Co	elegates et	1924.	a Asian Tanggan	1912.	1907.
Power equipment.	Ordinarily in use.	In reserve or idle.	Total.	Total.	Total.
PRIME MOVERS:— Reciprocating steam engines	H.P. 24,081 17,512 1,693 44 52 30	H.P. 5,198 2,681 377 8 —	H.P. 29,279 20,193 2,070 52 52 30	H.P. 32,130 1,750 1,875 — — — — — — — — — — — — — — — — — — —	H.P. 26,423 — 951 42
Other TOTAL	43,412	8,264	51,676	35,865	27,440
ELECTRIC GENERATORS:— Driven by— Reciprocating steam engines Steam turbines Gas engines Petrol and light oil engines Other prime movers	Kw. 5,163 12,944 120 —	Kw. 1,617 2,000 38 4	Kw. 6,780 14,944 158 4	Kw. 5,119 1,250 455	Kw. 4,415 - 37
Total	18,227	3,659	21,886	6,824	4,452

The capacity of *electric motors* recorded in 1924 and in 1912 was as shown below:—

	1924.			1912.
Electric motors.	Ordinarily in use.	In reserve or idle.	Total.	Total.
Driven by— Electricity generated in own works Purchased electricity	H.P. 33,286 55,675	H.P. 3,209 4,542	H.P. 36,495 60,217	H.P. 8,653 7,244

Corresponding information was not required for 1907. The total number of Board of Trade units of electricity purchased for power and lighting purposes in that year was returned as 613,000.

TABLES.

I.—Summary of results.

Particulars.	Unit.	England and Wales and N. Ireland.*	Scotland.	United Kingdom.
Value of goods made and work done				
(Gross output)	£'000	20,877	3,147	24,024
Cost of materials used	~ ,,	10,534	1,702	12,236
Net output	,,	10,343	1,445	11,788
Average number of persons employed	No.	40,522	7,565	48,087
Net output per person employed	£	255	191	245
Mechanical power available:—	~			
Prime movers	H.P.	48.667	3,009	51,676
Electric motors driven by purchased		1,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	02,00
electricity	,,	49,099	11,118	60,217

^{*} In order to avoid the possible disclosure of information relating to individual firms, the figures for Northern Ireland have been combined with those for England and Wales.

II.—Production.

Goods sold or added to stock and work done.	Unit.	England and Wales and N. Ireland.*	Scotland.	United Kingdom.
Rubber in sheets, thread, etc	Tons £'000	3,400 908	350 63	3,750 971
Rubber valves, washers, rings, packing, etc., for industrial purposes Rubber accessories for the cycle and	£'000	†	†	525
Rubber accessories for the cycle and motor trades	£'000	†	†	347 137
Piping and tubing of rubber or rubber and other materials, armoured or not:—	1			e.
Hose {	Th. yds.	3,589 536	1,681 186	5,270 722
Mechanicals {	Tons £'000	3,150 1,040	850 123	4,000 1,163
Total value—Piping and tubing	€'000	1,576	309	1,885
Pneumatic tyres and tubes:— Outer covers—	1-1	350		
Motor car {	Thous. £'000	† †	†	1,927 4,913
Motor cycle	Thous.		†	634
	£'000 Thous.	†	†	5,932
Cycle {	£'000 Thous.	† †	†	1,291 7,382
Inner tubes {	€,000	†	†	1,202
Total—Pneumatic tyres and tubes {	Thous. £'000	†	†	15,875 8,023
Solid tyres:—			Anna Saile	101
For mechanically propelled vehicles {	Thous. £'000	† †	† †	2,083
For other vehicles Not separately distinguished	£'000	†	†	306 39
Total value—Solid tyres	£'000	†	†	2,428
Machinery belting, rubber or balata	Cwts. £'000	† †	†	33,300 636
Hot water and air goods; medical, surgical and dental appliances	€'000	514	131	645
Rubberproofed and waterproofed piece goods	£'000 Th. doz.	663	316	979
Rubber boots and shoes {	pairs £'000	† †	†	988 1,256
Rubber heels and soles	Tons	3,720	-	3,720
Miscellaneous rubber goods	£'000 £'000	819	†	819 165
Rubber compounds and solutions {	Cwts. £'000	†	†	33,630 179
Rubber substitutes	£'000	72	-	72
Vulcanite and ebonite, and articles thereof	£'000 £'000 £'000 £'000	173	†	774 173
Vulcanised fibre Waste and reclaimed rubber	£'000	234	l	234

II.—Production—continued.

Goods sold or added to stock and work done.	Unit.	England and Wales and N. Ireland.*	Scotland.	United Kingdom.
Overcoats, mackintoshes, oilskins and the like:—	Th.		. The lot for Lot i	
Rubberproofed	garments £'000 Th.	1,653 1,422	362 244	2,015 1,666
Oil, paint and other proofings	garments £'000	†	†	72 48
Other descriptions {	garments £'000	†	†	208 257
Total—Overcoats, mackintoshes, etc.	Th. garments £'000	†	†	2,295 v 1,971 v
Sports requisites, including golf, tennis and other rubber balls	£'000 £'000 £'000	1,004 45 154 75§	52 — 8 7§	1,056 45 162 82§
Waterproofing	£'000 £'000	† 10§	†	450 § 10 §
TOTAL VALUE OF GOODS MADE AND WORK DONE (GROSS OUTPUT)	€'000	20,877	3,147	24,024

* See footnote to Table I.
† In order to avoid the possible disclosure of information relating to individual firms, figures are given only for the United Kingdom as a whole.
§ Amount received for work done.

III.—Employment.

A.—Numbers employed in week ended 18th October, 1924.

Transport Transport Witness	Ma	les.	Fem	ales.	Males and females		
Kind of staff.	Under 18.	All ages.	Under 18.	All ages.	Under 18.	All ages.	
England and Wales and Northern Ireland:—* Operatives Administrative, etc.† Total	1,934 464 2,398	19,267 4,713 23,980	3,372 265 3,637	14,446 1,994 16,440	5,306 729 6,035	33,713 6,707 40,420	
Scotland:— Operatives Administrative, etc.†	325 42	3,420	875 77	3,638	1,200	7,058	
TOTAL United Kingdom:—	367	3,817	952	3,975	1,319	7,792	
Operatives Administrative, etc.†	2,259 506 2,765	22,687 5,110 	4,247 342 4,589	$ \begin{array}{c} 18,084 \\ 2,331 \\ \hline 20.415 \end{array} $	6,506 848 7,354	40,771 7,441 48,212	

^{*} See footnote to Table I.

B.—Operatives employed in one week in each month of 1924.

England and	Wales and Northern	Ireland.	ologia el				
	(Annual anevage			Fomales	11 610 .	Total	22 81

Week ended.	Males.	Females.	Total.	Week ended.	Males.	Females.	Total.
Feb. 16th March 15th April 12th May 17th	18,073 18,491 19,165 19,318 19,552 19,532	13,551 14,176 14,781 15,121 15,014 14,938	31,624 32,667 33,946 34,439 34,566 34,470	July 19th Aug. 16th Sept. 13th Oct. 18th Nov. 15th Dec. 13th	19,520 19,499 19,379 19,267 19,247 19,313	15,147 14,910 14,488 14,446 14,379 14,478	34,667 34,409 33,867 33,713 33,626 33,791

Scotland. (Annual average: Males, 3,320; Females, 3,511; Total, 6,831.)

Jan. 12th	3,162	3,214	6,376	July 19th	3,333	3,556	6,889
Feb. 16th	3,234	3,308	6,542	Aug. 16th	3,395	3,562	6,957
March 15th	3,263	3,384	6,647	Sept. 13th	3,389	3,552	6,941
April 12th	 3,259	3,477	6,736	Oct. 18th	3,420	3,638	7,058
May 17th	 3,273	3,528	6,801	Nov. 15th	3,399	3,682	7,081
June 21st	 3,352	3,572	6,924	Dec. 13th	3,363	3,657	7,020

United Kingdom.(Annual average: Males, 22,516; Females, 18,130; Total, 40,646.)

Jan. 12th	21,235	16,765	38,000	July 19th .	. 25	2,853	18,703	41,556
Feb. 16th	21,725	17,484	39,209	Aug. 16th .			18,472	
March 15th	 22,428	18,165	40,593	Sept. 13th .	. 25	2,768	18,040	40,808
April 12th	 22,577	18,598	41,175	Oct. 18th .	. 22	2,687	18,084	40,771
May 17th	22,825	18,542	41,367	Nov. 15th .	. 22	2,646	18,061	40,707
June 21st	22,884	18,510	41,394	Dec. 13th .	. 22	2,676	18,135	40,811

^{*} See footnote to Table I.

IV.—Mechanical Power.

PARTICULARS OF PRIME MOVERS, ELECTRIC GENERATORS AND ELECTRIC MOTORS.

Power equipment.	Englar Wales N. Ire	and				ited. gdom.	
	Ordinarily in use.	In reserve or idle.	Ordinarily in use.	In reserve or idle.	Ordinarily in use.	In reserve or idle.	
Prime movers:— Reciprocating steam	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.	
engines Steam turbines	21,281 17,352 1,672	5,190 2,681 357	2,800 160 21	- 8 - 20	24,081 17,512 1,693	5,198 2,681 377	
engines Heavy oil engines Water power	44 52 30	- 8 		<u>=</u>	44 52 30	8	
TOTAL	40,431	8,236	2,981	28	43,412	8,264	
Total of prime movers installed	48,6	667	3,0	,009 51,676		,676	
ELECTRIC GENERATORS :— Driven by—	Kw.	Kw.	Kw.	Kw.	Kw.	Kw.	
Reciprocating steam engines Steam turbines Gas engines Petrol and light oil	5,163 12,944 120	1,617 2,000 38	=		5,163 12,944 120	1,617 2,000 38	
engines	—	4	rider	_	_	4	
TOTAL	18,227	3,659	30 m 67	te a nd see	18,227	3,659	
Total of electric generators installed	21,	886	21,8		886		
ELECTRIC MOTORS:— Driven by— Electricity generated	H. P .	H.P.	H.P.	H.P.	H.P.	H.P.	
in own works Purchased electricity	33,286 45,083	3,209 4,016	 10,592	<u>-</u> 526	33,286 55,675	3,209 4,542	

^{*} See footnote to Table I.

[†] Administrative, technical and clerical staff.