THE PRINTING AND PUBLICATION OF NEWSPAPERS AND PERIODICALS.

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Introductory.*

The tables on pages 321 to 324 are based on returns received from firms in Great Britain and Northern Ireland whose business in 1924 consisted wholly or mainly in the printing and publishing of newspapers and periodicals. Newspaper proprietors who did not do their own printing but gave it out to other firms were not required to furnish returns to the Census office. The number of separate returns received was 579. About 30 firms to which schedules were sent did not furnish returns, but these firms for the most part had very small establishments. On the basis of the information available it is estimated that they did not employ more than 140 persons in all and that their total net output probably did not exceed $\pm 50,000$.

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 :—

* See also the Notes on pages vii to xv.

PAPER, PRINTING AND ALLIED TRADES.

Particulars.	Unit.	1924.	1912.	1907.
Value of goods made and work done	antiona	ma ani	NTING	HE PRI
(Gross output)	£'000	46,095	14,095	13,548
Cost of materials used		13,813	4,753	4,494
Paid for work given out to other				
firms	,,	411	113	187
Net output		31,871	9.229	8.867
Average number of persons em-	"	01,071	0,220	0,007
	No.	58,783	41.764	46,786
ployed	A CONTRACTOR OF A CONTRACTOR O			
Net output per person employed	£	542	221	190
Mechanical power available :				and the second se
Prime movers	H.P.	9,012	11,110	16,365
Electric motors driven by pur-				Lances Charge
chased electricity	,,	56,338	29.145	(not
	a notati	L cost of m	NLS THE DIG	recorded

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. According to the Census of Production taken by the Government of the Irish Free State in respect of the year 1926, the total value of newspaper printing work (including sales, subscriptions and advertisements) was £879,000 and of printing of magazines, trade journals, etc., £99,000, these values being exclusive of any paper not supplied by the printer. This output formed part of the total value of £1,787,000 for the Printing, Publishing, Bookbinding and Engraving Trades, in which the average number of persons employed was 5,170. In 1907 there were employed in the Printing and Publishing of Newspapers and Periodicals in the whole of Ireland, 3,142 persons whose gross output amounted to f608,000, or, respectively, 6.7 and 4.5 per cent. of the totals for the United Kingdom.

(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 351, or 0.8 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 PRINTING AND PUBLICATION OF NEWSPAPERS, ETC. 315

in paragraphs (i) and (ii) on page xiii, they may overstate the value of the output of, and the cost of materials used by, the trade taken as a whole. The matter is discussed on pages 316 and 317, where it is estimated that in 1924 the value, free from duplication, of the output of the trade was about $\pounds 46,000,000$. The amount of duplication in the figures in the table representing the cost of materials used would be very slight.

Production.

Detailed information relating to the output of firms engaged in the Printing and Publication of Newspapers and Periodicals in 1924 will be found in Table II on page 321.

In addition to the output dealt with in this report printing of newspapers, magazines and other periodicals, valued, on a cost basis, at $f_{53,000}$, was done in 1924 by His Majesty's Stationery Office.*

Principal output.—The following statement shows, for the three censal years, the value of the total output of newspapers, magazines, reviews, trade journals and similar periodicals returned, the value for each year being inclusive of similar output recorded by printers that made their returns on schedules for the Printing and Bookbinding Trades, but exclusive of the output of His Majesty's Stationery Office. The amounts so included are £5,497,000 for 1924, £3,050,000 for 1912 and £2,401,000 for 1907.

Kind of output.	1924.	1912.	1907.
3.072 1 172 1 1930	£'000	£'000	£'000
Newspapers : Daily Other than daily	26,782 11,520	7,881 5,376†	7,273 4,759
Magazines, reviews, trade journals [‡] and similar periodicals	10,218	2,717	1,988
Total	48,520	15,974	14,020

† Includes £383,000 for daily and other newspapers, not separately distinguished. ‡ Trade journals were included with newspapers other than daily in 1912 and 1907.

Proprietors of newspapers and periodicals who did their own printing were instructed to return as the value thereof the total receipts in the year of return including those from sales, subscriptions, and advertisements. If they did not either set up type or print their publications but gave out the work to be done by other firms they were not required to make returns. The work done for firms of the latter class may be to some extent included in the amount of $\pounds 2,394,000$ shown for job and general printing done by publishing firms, but the great bulk of it was probably included by printers

* Such production falls within the scope of the report on Public Utility Services, which forms part of a separate volume.

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that made their returns on schedules for the Printing and Bookbinding Trades.* There was only an increase of about one-seventh in the value of the output of newspapers and periodicals in 1912 as compared with 1907, but the output in 1924 was about three times the value of the output in 1912. How far this increase in value since 1912 measures an increase in volume of output is difficult to estimate. On the one hand, paper was dearer, imported newsprint having risen in value per ton by 70 per cent., and other imported printing paper by 52 per cent., while wages had risen, and hours of labour had been reduced. On the other hand, the number of persons employed was greater by nearly 40 per cent., the services of newsagencies had been greatly developed, and the capacity of the mechanical power available was 116 per cent. more.

Other output.—In addition to the main output dealt with in the preceding paragraphs, printers and publishers of newspapers and periodicals recorded for each of the censal years the following output which, being of kinds mainly returned by other trades, is dealt with in the reports on those trades.

Kind of output.	1924.	1912.	1907.
Job and general printing Books printed and bound Lithographic printing and other work	£'000 2,394 192 109	£'000 818 142 21	£'000 1,418 320 38
Manufactured stationery, etc Waste paper, etc., sold TOTAL	13 364 3.072	16 175 1.172	22 131 1.929

The value of the job and general printing shown above is the aggregate of the sums charged for such work, including the cost of the paper used when it was supplied by the printer that furnished the return.

Value of output free from duplication.—The aggregate value of the output of the firms engaged in the printing and publishing of newspapers and periodicals, returned at f46,095,000, does not involve much duplication. The sum of f411,000 was returned by the firms making their returns on schedules for this trade as paid by them to other firms for work given out to them, but a large portion of this sum was probably paid to bookbinding firms for binding, stitching, and similar work. About $f_109,000$ was received by firms making returns on schedules for this trade for lithographic and photographic printing, process block-making, typesetting, and electrotyping, and some part of such work would be done for publishers

* See page 303.

other than newspaper proprietors. Most of the $\pounds 2,394,000$ received for job and general printing probably represented work done for private customers, such work being generally associated with newspaper printing in the case of the smaller newspaper printers. On the whole, it appears reasonable to estimate the value of the output of this trade at about $\pounds 46,000,000$, free from duplication.

Cost of materials and work given out.—The cost of the materials used by firms that made their returns on schedules for the Printing and Publication of Newspapers and Periodicals was returned as \pounds 13,813,000 in 1924, as compared with \pounds 4,753,000 in 1912, and \pounds 4,494,000 in 1907. There is possibly some slight duplication in these figures in respect of paper supplied by firms to which work was given out by other firms in the trade.

The amount paid to other firms for work given out to them was returned as $\pounds 411,000$ in 1924, $\pounds 113,000$ in 1912 and $\pounds 187,000$ in 1907.

Net output.—The net output in 1924 of the firms that made their returns on schedules for the Printing and Publication of Newspapers and Periodicals (whose gross output was valued at \pounds 46,095,000) was \pounds 31,871,000, that sum representing, without duplication, the total amount by which the value of the aggregate output exceeded the cost of the materials used and the amount paid to other firms for work given out to them.

The net output per head of persons employed in the censal year 1924 was $\pounds 542$ as compared with $\pounds 221$ in 1912, and $\pounds 190$ in 1907.

Quantity of paper used.—In response to a request for information as to the quantity of paper used in the year in the production of newspapers and newspaper posters and of magazines, books and other printed matter, firms whose output of newspapers was valued at $\pounds 20,133,000$ and of magazines and other periodicals at $\pounds 3,968,000$, representing 55 per cent. and 61 per cent. respectively of the total value of the output of these products recorded in 1924, furnished the information given below. The corresponding particulars for 1912 and 1907, representing the paper used by firms whose returns included 51 per cent. and 69 per cent. respectively of the total output of newspapers in each year is also shown.

Paper used for	1924.	1912.	1907.
Newspapers and newspaper posters Magazines, books and other printed matter	Tons 295,710 39,850	Tons 179,460 4,660	Tons 189,000 7,480

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 318

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 engaged in the Printing and Publication of Newspapers and Periodicals 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, 27,107 operatives, or 65 per cent. of the total of 41,854 operatives for the trade as a whole, and their net output totalled $\frac{f20,573,000}{f31,871,000}$ for the trade as a whole. The total wage-bill of these firms, as returned to the Ministry of Labour, was $\frac{f6,257,000}{f65,257,000}$, representing about 30 per cent. of their aggregate net output.

Employment.

The detailed information relating to employment in 1924 is summarised in Table III on pages 322 and 323. 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.

	M	Males. Females.		Males and females.		
Average number.	Under 18.	All ages.	Under 18.	All ages.	Under 18.	All ages.
1 ···· · · · · · · · · · · · · · · · ·	2,895 1,500	37,288 14,002	726 525	3,498 3,995	3,621 2,025	40,786 17,997
TOTAL	. 4,395	51,290	1,251	7,493	5,646	58,783
C 1 · 1	2,950 1,125	27,748 10,567	561 196	2,211 1,238	3,511 1,321	29,959 11,805
TOTAL	. 4,075	38,315	757	3,449	4,832	41,764
C 1 · 1	4,857	31,326 11,539	892 157	2,884 1,037	5,749 1,373	34,210 12,576
TOTAL	. 6,073	42,865	1,049	3,921	7,122	46,786

The numbers of operatives recorded month by month in 1924 ranged from 1,068 above the average, in October, to 1,014 below the average, in February (see Table IIIB on page 323). These were, however, exceptional deviations from the average, the mean of such deviations being 448 only.

Mechanical Power.

The detailed information relating to mechanical power in 1924 is summarised in Table IV on page 324. 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.

ter in the second and second	1924.			1912.	1907.
Power equipment.	Ordinarily in use.	In reserve or idle.	Total.	Total.	Total.
PRIME MOVERS :	H.P.	H.P.	Н.Р.	H.P.	H.P.
Reciprocating steam engines Steam turbines	903	1,203	2,106	3,647	7,028 10
Gas engines	3,092	1,672	4,764	6,381	1
Petrol and light oil engines	316	599	915	} 1,070	> 9,316
Heavy oil engines Water power	490	737	1,227	12	11
Total	4,801	4,211	9,012	11,110	16,365
ELECTRIC GENERATORS :	Kw.	Kw.	Kw.	Kw.	Kw.
Reciprocating steam engines	298	659	957	1,169	829
Gas engines	281	1,487	1,768	1	1
Petrol and light oil engines	1	263	264	2,133	\$ 1,498
Heavy oil engines Water power	429	972	1,401	J	J
TOTAL	1,009	3,381	4,390	3,302	2,327

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

		1912.			
Electric motors.	Ordinarily in use.	In reserve or idle.	Total.	Total.	
Driven by— Electricity generated in own	H. P.	H.P.	H.P.	H.P.	
works Purchased electricity	1,703 52,996	111 3,342	$1,814 \\ 56,338$	2,652 29,145	

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 16,540,000.

Machinery equipment.

In response to a request for information as to the kinds and numbers of type-casting and printing machines at works at the end of 1924, firms whose gross output was £30,814,000, or 67 per cent. of the gross output of the trade, furnished the information given in the following table, which covers 64 per cent. of the total output 320

of newspapers and 79 per cent. of the output of magazines and other periodicals and of the job and general printing done, as returned by firms in this trade in the year.

Kind of machine.	In use.	Idle.	Total.	Proportion idle.
	Number	Number	Number	Per cent.
Type-casting (linotype, monotype, etc.)	2,792	47	2,839	1.7
Letterpress printing : Platen Cylinder, of quad crown and over	934 633	27 22	961 655	2·8 3·3
Cylinder, under quad crown Rotary	820 550	12 31	832 581	$1 \cdot 4$ $5 \cdot 3$
Lithograph printing :— Flat bed, of quad crown and over	19	<u>ientinin</u>	19	
Flat bed, under quad crown Rotary, of quad crown and over	36 15	3	39 18	7.7 16.7
Rotary, under quad crown	15		15	

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	A		

Corresponding anomarical was det required for alloy. The cetal bundless of descended fracts and mainteed for and logbling particular in that year was returned as 15,540,000.

Machineros econicio.e.M.

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TABLES.

I.—Summary of results.

Particulars.	Unit.	England and Wales.	Scotland.	Great Britain.	Northern Ireland.
Value of products and work done (Gross output) Cost of materials used Paid for work given out to other firms Net output Average number of persons employed Net output per person employed	£'000 "," No. £	$\begin{array}{r} 41,557\\12,486\\402\\28,669\\52,541\\546\end{array}$	3,960 1,167 8 2,785 4,925 566	45,517 13,653 410 31,454 57,466 547	578 160 1 417 1,317 317
Mechanical power available : Prime movers Electric motors driven by pur-	H.P.	7,369	1,178	8,547	465
chased electricity	"	49,767	5,420	55,187	1,151

II.—Production.

Kind of output.	England and Wales.	Scotland.	Great Britain.	Northern Ireland.
	Net value.	Net value.	Net value.	Net value.
N	£'000	£'000	£'000	£'000
Newspapers :	23,453	2,742	26,195	350
Other than daily	9,144	750	9,894	90
Total-Newspapers	32,597	3,492	36,089	440
Magazines, reviews, trade journals		EXT I		10491
and similar periodicals	*	*	6,494	*
Books printed and bound	*	*	192	*
Job and general printing	2,102	158	2,260	134
Stereotyping and electrotyping	12		12	The second second
Lithographic and photographic				The second second
printing	66	+	66	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Process block making	17	1	18	
Typesetting	13	-	13	
Manufactured stationery	13		13	the second se
Waste paper and other waste products sold	343	20	363	1
Total value of products				-
AND WORK DONE (GROSS				
OUTPUT)	41,557	3,960	45,517	578

* In order to avoid the possible disclosure of information relating to individual firms, figures are given (in the column headed Great Britain) only for the United Kingdom as a whole.

† Less than £500.

III.—Employment.

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

Kind of staff.		Males.		Females.		Males and females.	
		Under 18.	All ages.	Under 18.	All ages.	Under 18.	All ages.
England and Wales : Operatives Administrative, etc.*	 	2,654 1,332	34,532 12,265	627 433	3,260 3,290	3,281 1,765	37,792 15,555
Total	•••	3,986	46,797	1,060	6,550	5,046	53,347
Scotland :— Operatives Administrative, etc.*	•••	173 131	2,813 1,446	119 75	330 604	292 206	3,143 2,050
Total	•••	304	4,259	194	934	498	5,193
Administrative, etc.*	· · · · · · · · · · · · · · · · · · ·	2,827 1,463 4,290	37,345 13,711 51,056	746 508 1,254	3,590 3,894 7,484	3,573 1,971 5,544	40,935 17,605 58,540
Northern Ireland :	•••	134 37	799 291	24 17	120 101	158 54	919 392
Total		171	1,090	41	221	212	1,311
United Kingdom :		4,461	52,146	1,295	7,705	5,756	59,851

* Administrative, technical and clerical staff.

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

England and Wales. (Annual average: Males, 33,885; Females, 3,101; Total 36,986.)

Week ended.	Males.	Females.	Total.	Week ended.	Males.	Females.	Tota		
Jan. 12th	33,092	3,054	36,146	July 19th	34,048	3,033	37,08		
Feb. 16th	33,104	3,017	36,121	Aug. 16th	33,861	2,981	36.84		
March 15th	33,354	3,111	36,465	Sept. 13th	34,099	3,109	37.20		
April 12th	33,896	3,092	36,988	Oct. 18th	34,532	3,260	37,79		
May 17th	33,988	3,076	37,064	Nov. 15th	34,457	3,214	37,67		
June 21st	34,233	3,100	37,333	Dec. 13th	33,961	3,164	37,12		
Scotland. (Annual average: Males, 2,600; Females, 275; Total, 2,875.)									
Jan. 12th	2,748	294	3,042	July 19th	2,833	291	3,12		
Feb. 16th	2,475	252	2,727	Aug. 16th	2,545	268	2,8		
March 15th	2,469	246	2,715	Sept. 13th	2,548	290	2,8		
April 12th	2,755	277	3,032	Oct. 18th	2,813	330	3,14		
May 17th	2,479	243	2,722	Nov. 15th	2,505	279	2,78		
June 21st	2,522	242	2,764	Dec. 13th	2,510	293	2,80		
June 21st Great Britain.	(Annua	l average	: Males	, 36,485 ; Female	s, 3,376 ,	: Total, .	39,861		
June 21st Great Britain. Jan. 12th	(Annua 35,840	l average 3,348	: Males	, 36,485 ; Female	s, 3,376 , 36,881	: Total, .	39,86. 40,20		
June 21st Great Britain. Jan. 12th Feb. 16th	(Annua 35,840 35,579	1 average 3,348 3,269	: Males 39,188 38,848	, 36,485 ; Female July 19th Aug. 16th	s, 3,376 , 36,881 36,406	<i>Total</i> , .	39,86. 40,20 39,6		
June 21st Great Britain. Jan. 12th Feb. 16th March 15th	(Annua 35,840 35,579 35,823	ul average 3,348 3,269 3,357	: Males 39,188 38,848 39,180	, 36,485 ; Female July 19th Aug. 16th Sept. 13th	s, 3,376 , 36,881 36,406 36,647	: Total, . 3,324 3,249 3,399	39,86. 40,24 39,64 40,04		
June 21stGreat Britain.Jan. 12thFeb. 16thMarch 15thApril 12th	(Annua) 35,840 35,579 35,823 36,651	al average 3,348 3,269 3,357 3,369	: Males 39,188 38,848 39,180 40,020	, 36,485 ; Female July 19th Aug. 16th Sept. 13th Oct. 18th	s, 3,376 , 36,881 36,406 36,647 37,345	Total, . 3,324 3,249 3,399 3,590	39,86 40,20 39,6 40,0 40,9		
June 21st Great Britain. Jan. 12th Feb. 16th March 15th April 12th May 17th	(Annua) 35,840 35,579 35,823 36,651 36,467	l average 3,348 3,269 3,357 3,369 3,319	: Males 39,188 38,848 39,180 40,020 39,786	, 36,485 ; Female July 19th Aug. 16th Sept. 13th Oct. 18th Nov. 15th	s, 3,376, 36,881 36,406 36,647 37,345 36,962	Total, . 3,324 3,249 3,399 3,590 3,493	39,86 40,24 39,64 40,04 40,95 40,4		
June 21st Great Britain. Jan. 12th Feb. 16th March 15th April 12th June 21st Northern Ire.	(Annua) 35,840 35,579 35,823 36,651 36,467 36,755	al average 3,348 3,269 3,357 3,369 3,319 3,342	: Males 39,188 38,848 39,180 40,020 39,786 40,097	, 36,485 ; Female July 19th Aug. 16th Sept. 13th Oct. 18th	s, 3,376 , 36,881 36,406 36,647 37,345 36,962 36,471	 Total, . 3,324 3,249 3,399 3,590 3,493 3,457 	39,861 39,66 40,04 40,93 40,44 39,99		
June 21stGreat Britain.Jan. 12thFeb. 16thMarch 15thMay 17thJune 21stNorthern Ire.Jan. 12th	(Annua 35,840 35,579 35,823 36,651 36,467 36,755 and. (A 801	l average 3,348 3,269 3,357 3,369 3,319 3,342 Innual av 125	: Males 39,188 38,848 39,180 40,020 39,786 40,097 verage : 926	, 36,485; Female July 19th Aug. 16th Sept. 13th Oct. 18th Nov. 15th Dec. 13th Males, 803; Fem July 19th	s, 3,376, 36,881 36,406 36,647 37,345 36,962 36,471 pales, 122 808	 Total, . 3,324 3,249 3,399 3,590 3,493 3,457 2; Total 123 	39,861 40,20 39,63 40,0- 40,93 40,44 39,99 , 925.		
June 21stGreat Britain.Jan. 12thFeb. 16thMarch 15thApril 12thMay 17thJune 21stNorthern Ire.Jan. 12thFeb. 16th	(Annua 35,840 35,579 35,823 36,651 36,467 36,755 Vand. (A 801 798	l average 3,348 3,269 3,357 3,369 3,319 3,342 Innual av 125 126	: Males 39,188 38,848 39,180 40,020 39,786 40,097 verage : 926 924	, 36,485; Female July 19th Aug. 16th Sept. 13th Oct. 18th Nov. 15th Dec. 13th Males, 803; Fem July 19th Aug. 16th	s, 3,376, 36,881 36,406 36,647 37,345 36,962 36,471 pales, 122 808 805	 Total, . 3,324 3,249 3,399 3,590 3,493 3,457 2; Total 123 124 	39,861 40,20 39,65 40,0- 40,9- 40,4- 39,9- 40,4- 39,9- 9,925. 9,925.		
June 21st Great Britain. Jan. 12th Feb. 16th March 15th April 12th May 17th June 21st Northern Iren Jan. 12th Jan. 12th March 15th	(Annua 35,840 35,579 35,823 36,651 36,467 36,755 and. (A 801 798 797	l average 3,348 3,269 3,357 3,369 3,319 3,342 Innual av 125 126 124	: Males 39,188 38,848 39,180 40,020 39,786 40,097 werage : 926 924 921	, 36,485 ; Female July 19th Aug. 16th Sept. 13th Oct. 18th Nov. 15th Dec. 13th Males, 803 ; Fem July 19th July 19th Sept. 13th	s, 3,376 , 36,881 36,406 36,647 37,345 36,962 36,471 pales, 122 808 805 800	 Total, . 3,324 3,249 3,399 3,590 3,493 3,457 2; Total 123 124 122 	39,863 40,20 39,63 40,00 40,93 40,44 39,92 , 925 , 925 99 99		
June 21st Great Britain. Jan. 12th Jan. 12th March 15th April 12th May 17th June 21st Northern Iren Jan. 12th Jan. 12th March 15th	(Annua 35,840 35,579 35,823 36,651 36,467 36,755 and. (A 801 798 797 797	l average 3,348 3,269 3,357 3,369 3,319 3,342 Innual at 125 126 124 - 117	: Males 39,188 38,848 39,180 40,020 39,786 40,097 <i>verage</i> : 926 924 921 914	, 36,485 ; Female July 19th Aug. 16th Sept. 13th Oct. 18th Nov. 15th Dec. 13th Males, 803 ; Fem July 19th Aug. 16th Sept. 13th	s, 3,376 , 36,881 36,406 36,647 37,345 36,962 36,471 pales, 122 808 805 800 799	 Total, . 3,324 3,249 3,399 3,590 3,493 3,457 2; Total 123 124 122 120 	$\begin{array}{c c} 39,861\\ 40,20\\ 39,63\\ 40,0-\\ 40,93\\ 40,43\\ 39,92\\ 9,925.\\ 9,9$		
June 21st Great Britain. Jan. 12th Feb. 16th March 15th April 12th May 17th June 21st Northern Iren Jan. 12th Jan. 12th March 15th	(Annua 35,840 35,579 35,823 36,651 36,467 36,755 and. (A 801 798 797	l average 3,348 3,269 3,357 3,369 3,319 3,342 Innual av 125 126 124	: Males 39,188 38,848 39,180 40,020 39,786 40,097 werage : 926 924 921	, 36,485 ; Female July 19th Aug. 16th Sept. 13th Oct. 18th Nov. 15th Dec. 13th Males, 803 ; Fem July 19th Aug. 16th	s, 3,376 , 36,881 36,406 36,647 37,345 36,962 36,471 pales, 122 808 805 800	 Total, . 3,324 3,249 3,399 3,590 3,493 3,457 2; Total 123 124 122 	39,86. 40,24 39,66. 40,04 40,99. 40,44. 39,99. 9,925. 9 9 9 9 9		

IV.—Mechanical Power.

PARTICULARS OF PRIME MOVERS, ELECTRIC GENERATORS AND ELECTRIC MOTORS.

(a) Ordinarily in use.(b) In reserve or idle.	England and Wales.	Scotland.	Great Britain.	Northern Ireland.
- fant lander and land the second	H.P.	H.P.	H.P.	H.P.
PRIME MOVERS :				and the second second
Reciprocating steam engines $\begin{cases} (a) \\ (b) \end{cases}$	903	IN THE PLAN	903	and the second
	1,131	72	1,203	
Gas engines $\ldots \qquad \begin{cases} (a) \\ (b) \end{cases}$	2,308	620	2,928	164
$\zeta(0)$	1,501	155	1,656	16
Petrol and light oil engines $\begin{cases} (a) \\ (b) \end{cases}$	235	21	256	60
	384		384	215
Heavy oil engines $\ldots \begin{cases} (a) \\ (b) \end{cases}$	370	110	480	10
The avy on engines $\therefore \uparrow (b)$	537	200	737	and the second second
Total \ldots \ldots $\begin{cases} (a) \\ (b) \end{cases}$	3,816	751	4,567	234
$101\text{AL} \dots \qquad 101$	3,553	427	3,980	231
Total of prime movers installed	7,369	1,178	8,547	465
ELECTRIC GENERATORS :	Kw.	Kw.	Kw.	Kw.
Reciprocating steam en- (a)	298		298	
gines \ldots \ldots (b)	606	53	659	STRUE SHORE
	120	155	275	6
Gas engines $\ldots \qquad \begin{pmatrix} a \\ b \end{pmatrix}$	1.347	140	1,487	_
Petrol and light oil en- (a)	1	40	1	der - terret
gines $\uparrow (b)$	167		167	. 96
Heavy oil engines \ldots $\begin{cases} (a) \\ (b) \end{cases}$	400	27	427	2
The vy on engines (b)	842	130	972	10 32
TOTAL (a)	819	182	1,001	8
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2,962	323	3,285	96
TOTAL OF ELECTRIC GENERATORS	The party	tores.	Sec. 199	state -
INSTALLED	3,781	505	4,286	104
ELECTRIC MOTORS : Driven by	H.P.	H.P.	H.P.	H.P.
Electricity generated in $\int (a)$	1,656	47	1,703	
own works \dots (b)	46		46	65
Ea	46,950	4,895	51,845	1.151
Purchased electricity $\begin{cases} a \\ b \end{cases}$	2,817	525	3,342	