

1916.  
NEW ZEALAND.

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# PATENTS, DESIGNS, AND TRADE-MARKS.

TWENTY-SEVENTH ANNUAL REPORT OF THE REGISTRAR.

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*Presented to both Houses of the General Assembly pursuant to Section 113 of the Patents, Designs, and Trade-marks Act, 1911.*

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I HAVE the honour to submit my report on the proceedings under the Patents, Designs, and Trade-marks Act during the year.

There was a further falling-off in the applications received, the total for the year being 1,953—363 less than in the previous year and 674 short of that received in 1913. The number of applications in 1915, as compared with the number in 1913, was—In New Zealand, 74 per cent.; in Great Britain, 59 per cent.; in Australia, 75 per cent.

Both the revenue (£7,491 13s. 11d.) and the expenditure (£3,230 16s.) were less than in 1914, the former by £80 6s. 1d. and the latter by £305 9s. 3d. The excess of receipts over expenditure, £4,260 17s. 11d., was greater than in any previous year. The maintenance of the revenue is chiefly owing to the renewal fees under the present Act falling due while the fees for the renewal of certain patents granted under the former Act were still payable.

The increase in salaries is accounted for by the inclusion of the amount paid for clerical assistance due to the transfer of a temporary clerk to the permanent staff. Owing to the fewer applications less printing was required, which, with the holding-over of the binding of the printed English and other specifications, has led to the reduction in the expenditure. The increasing issue of the *Journal* and the war rate has led to a somewhat larger amount for postage.

#### PROCEEDINGS UNDER THE WAR PROVISIONS.

No advantage has yet been taken of the Act enabling licenses to be obtained of enemy patents. Four applications were received during the year for the avoidance or suspension of trade-marks, and an Order in Council was made suspending the registration of the mark in one case subject to certain conditions; in another the Order has not yet been made, and the two remaining cases have been refused.

#### PATENTS.

##### *General.*

Notwithstanding the reduction in the applications, the number in proportion to the population is still very high, being at the rate per 10,000 of 13 for New Zealand for last year as compared with 6 for the United Kingdom, 7 for the United States, and 9 for Australia—the figures in the case of these other countries being for the year 1913. So far as the large numbers of applications in New Zealand indicate the progress of industry they are satisfactory. In dairying and milking appliances, for instance, the number is high, but this country is right in the van of the industry, and the applications on the subject are made, as a rule, with a knowledge of what has been already done and is required, and a fair proportion of them are no doubt for more or less material advances in the contrivances employed. This is also probably the case with fibre-dressing, agricultural appliances, and, in a lesser degree, some other subjects. As regards the field of invention generally, however, many inventors of this country are placed at a great disadvantage through lack of acquaintance with the more recent developments in the branches of invention with which they are engaged, and waste much valuable time, money, and energy in evolving methods or contrivances which have already been devised and adapted elsewhere or tried and found to be of no use.

While there are occasional exceptions, it may be said that, as a general rule, successful inventions are the result of a full knowledge of the subject, and unsuccessful inventions those conceived without such knowledge—*i.e.*, as a result of ignorance. The latter obviously involve a serious loss to the individuals concerned as well as to the country, and should be minimized

as far as possible by the fullest opportunity being afforded inventors of becoming acquainted with what is known on any subject. A great deal of this information is contained in the printed specifications and drawings of inventions donated to this office by Great Britain, Australia, Canada, the United States, and other places, but, unfortunately, the public have only restricted access to them.

More adequate provision for enabling the specifications of this and other countries to be readily available for inspection and generally affording intending applicants and others throughout the country an opportunity of becoming acquainted with former inventions is a matter deserving of earnest consideration. There is no doubt that the path of the inventor is beset with difficulties and disappointments, and the number of applications for patents by residents of this country in New Zealand, and in Great Britain and other places, is a matter for surprise. After overcoming the difficulties already referred to and ascertaining that his invention is new and likely to be useful, the inventor finds that it is by no means an easy matter to get it taken up. If he succeeds in this he stands to reap a fair reward in the time that remains to him of his monopoly, unless he finds himself supplanted by other appliances.

An occasional invention proves highly remunerative, and some others furnish a moderate return, but these are the exceptions, and probably on the whole the amount made by our inventors does not equal what has been expended by them.

As our progress is largely dependent on the devising and adoption of improved processes and means in connection with our industries, it is obviously in the country's interest that its inventors should be encouraged. I submit that some portion of the amount, now approximating £100,000, paid to the office in excess of the expenditure, might well be devoted to affording them better facilities, and in lessening or removing as far as possible some of the difficulties with which they have to contend.

#### *Applications, Specifications, and Revenue.*

There were 1,299 applications for letters patent during the year, 275 short of the number received in 1914: 873 were left with provisional specifications and 426 with complete specifications: while 254 complete specifications were lodged in respect of applications with which provisional specifications were filed, making a total of 1,553 specifications, as compared with 1,860 for 1914, a difference of 309.

The number of applications received up to the 31st December was 37,060, and the patents then in force in New Zealand 3,283.

There is nothing calling for any special remark with regard to the revenue. The principal amounts are those received in respect of sealing and renewal fees, to which I have already referred. With the exception of these and the amount paid for registration of assignments of subsequent proprietors (chiefly on account of the transfer of a number of patents by one company to another) the fees show a falling-off on those received for last year.

Twenty-five applications were received from women inventors (7 less than in 1914), being in respect of domestic appliances and for articles of dress.

Applications for patents of addition numbered 9 (17), and there were 22 (23) complete specifications in respect of cognate provisionals, the figures in parentheses being those for 1914.

#### *Examination of Specifications.*

So far as it has been able to do so the Office has searched the prior New Zealand specifications in connection with the applications lodged, in order to ascertain whether the inventions had been previously patented.

To enable a thorough investigation of New Zealand specifications to be made additions to the staff with the requisite qualifications are necessary, and if the search is extended to the specifications in this office of Great Britain and other countries to enable the novelty of inventions sought to be patented to be ascertained a very much larger staff would be required for the purpose.

The applications for the twelve months stated below were dealt with as follows:—

Number of applications received from 1st June, 1914, to 31st May, 1915 (inclusive) ... ..	1,321
Applications in respect of which amendment under section 5, or compliance with other formalities, required before acceptance ... ..	485
Applications in respect of which amendment on account of want of novelty required before acceptance ... ..	105
Not accepted ... ..	59

#### *Countries from which Applications received.*

From residents of New Zealand 927 applications were received last year, and only 373 from persons living in other places. In 1914 the numbers were 1,045 and 529 respectively. The falling-off was chiefly in the applications from Great Britain, 98 being recorded last year, as compared with 150 in 1914 and 183 in 1913. The number from Australia does not show a very great difference, being 196, 25 less than in the previous year; but there was a considerable drop in those from the United States, 60 coming to hand in 1915, as compared with 106 in 1914.

*Trend or Subject-matter of Invention.*

The decrease in the number of applications is fairly evenly distributed among the various subjects. An exception is the case of railways and tramways, in which they fell to 32 in 1915 from 77 in 1914 and 80 the preceding year.

The class for wearing-apparel also shows a considerable drop—*i.e.*, to 22 from 44 and 55 in 1914 and 1913 respectively—and there was a considerable falling-off in respect of telephony and telegraphy, for which 26 applications were received last year as compared with 82 in 1914 and 61 the year before. The applications in this subject have been chiefly in relation to automatic telephones, and the decrease is probably due to that system having attained a fair degree of efficiency.

Fewer were also received in connection with the more important industries, such as dairying and milking 77 (92), fibre-dressing 25 (58), and cultivating 25 (48).

The principal remaining cases in which decreases occur are advertising, &c., 5 (21); boots, &c., 26 (37); bottles, &c., 9 (22); cutting and sawing, 32 (47); engines (steam), 9 (19); fibre-dressing, 25 (58); furniture, 34 (52); kitchen utensils, 35 (42); minerals, 14 (32); and vehicles and tires, &c., 36 (44).

Slight increases took place in connection with building, 81 (72), chiefly in respect of concrete construction; explosives, firearms, &c., 25 (9); and marine, relating principally to life-saving appliances, propellers, submarines and submarine-destroyers, torpedo-destroyers, indicating disabled vessels and delaying the sinking of vessels, 43 (22).

*International Convention.*

Of the 373 applications received from other places last year 75, or 20 per cent., were under the International Convention. In 1914, out of 535 applications, 137, or 26 per cent., were made in accordance with the provisions.

The countries from which these applications emanated were—Australia, 37 (41); Germany, 1 (2); Great Britain, 24 (64); and United States, 13 (25).

*Restoration of Letters Patent and sealing Letters Patent after Application advertised as lapsed.*

Three applications were lodged for the sealing of letters patent after the prescribed time, and 3 for the restoration of letters patent which had become void, as compared with 6 and 8 cases respectively in 1914.

The number of patents so sealed during the year was 7, and of patents restored 5.

## DESIGNS.

There was an increase in the number of applications for registration of designs received, the total last year being 89, as compared with 55 in 1914. Of this number, 75 were placed on the register, as compared with 46 in the previous year.

## TRADE-MARKS.

The number of applications received was 565, as compared with 687 in 1914, a decrease of 122.

The amount received under this head is £1,101 3s. 9d., a decrease of £175 12s. 5d. on that for the previous year.

*Countries from which Applications were received.*

Residents of New Zealand lodged 203 applications, 67 less than in 1914, and persons in other countries 371, 46 short of the number for 1914. There is a falling-off in the applications from Great Britain, 158 (199), and Australia, 84 (94), but an increase in those from United States, 102 (75).

*Goods for which Trade-marks registered.*

The largest number received in any one class is for food substances, for which 118 were received, as compared with 116 in 1914 and 167 in 1913. An increase occurs in Class 6 (machinery), 20 (15); in Class 13 (metal goods), 21 (14); Class 50 (miscellaneous goods), 50 (41); while a decrease is shown in Class 1 (chemical substances used in manufactures), 7 (13); in Class 22 (carriages), 7 (16); in Class 44 (mineral and aerated waters), 16 (28); in Class 45 (tobacco), 17 (32); and in Class 48 (perfumery), 27 (40).

*Special Applications to the Court.*

During 1915 2 applications were made to the Court to declare certain marks to be distinctive, and both were granted and proceeded with.

## GENERAL.

Notice of opposition was lodged in 9 cases, as compared with 15 in 1914 and 30 in 1913. Notice of appeal was given in 1 case, but not heard during the year.

## PATENTS AGENTS.

The number of agents at present on the register is 25, as against 30 in 1914. One was registered after examination, and 5 struck off owing to the non-payment of the annual fee.

## CONCLUSION.

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NOTE.—The lists of Inventions and Applicants for Letters Patent, Designs, and Trade-marks for the past year have been printed in the Index to Vol. IV of the *Patent Office Journal*.

Patent Office, Wellington, 15th April, 1916.

J. C. LEWIS, Registrar.

## APPENDIX.

## A.—BALANCE-SHEET OF INCOME AND EXPENDITURE FOR THE YEAR ENDED 31ST DECEMBER, 1915.

<i>Income.</i>			<i>Expenditure.</i>		
	£	s. d.		£	s. d.
Patent fees ..	6,281	3 5	Salaries ..	2,230	8 0
Design fees ..	49	1 6	Fees to local patent officers ..	5	2 6
Trade-mark fees ..	1,101	3 9	Binding printed specifications, &c., presented to Office by other countries ..	2	10 6
Sale of Acts, <i>Gazettes</i> , <i>Journals</i> , Name Index, &c. ..	60	5 3	Printing <i>Patent Office Journal</i> ..	658	13 0
			Other printing and binding ..	96	3 6
			Stationery ..	35	8 11
			Stamps ..	112	17 1
			Telephone ..	15	0 0
			Payments refunded ..	28	15 0
			Furniture, stores, &c. ..	6	11 11
			Typewriter repairs ..	2	8 0
			Typewriter ..	19	7 6
			Travelling-expenses ..	1	2 6
			Card cabinet ..	8	0 0
			Incidental expenses ..	8	7 7
			Balance ..	4,260	17 11
	<u>£7,491</u>	<u>13 11</u>		<u>£7,491</u>	<u>13 11</u>

## B.—TABLE SHOWING REVENUE AND EXPENDITURE FOR EACH OF THE LAST EIGHT YEARS.

Year.	Receipts.		Expenditure.		Surplus.		Year.	Receipts.		Expenditure.		Surplus.	
	£	s. d.	£	s. d.	£	s. d.		£	s. d.	£	s. d.	£	s. d.
1908 ..	5,470	6 1	2,822	3 5	2,648	2 8	1912 ..	6,756	7 11	2,989	3 0	3,767	4 11
1909 ..	6,014	12 2	2,822	15 4	3,191	16 10	1913 ..	7,113	7 0	2,972	0 3	4,141	6 9
1910 ..	6,314	9 11	2,669	9 5	3,645	0 6	1914 ..	7,572	0 0	3,536	15 3	4,035	4 9
1911 ..	6,535	6 0	2,440	18 7	4,094	7 5	1915 ..	7,491	13 11	3,230	16 0	4,260	17 11

## C.—PARTICULARS OF FEES RECEIVED FROM 1ST JANUARY TO 31ST DECEMBER, 1915.

	No.	Fees, each.	Amount received.
PATENTS.			
Applications for patent with provisional specifications .. .. .	873	£ s. d. 0 10 0	£ s. d. 436 10 0
Applications for patent with complete specifications .. .. .	426	1 0 0	426 0 0
Complete specifications left after provisional specifications .. .. .	254	1 0 0	254 0 0
On application for extension of time for filing complete specification .. .. .	63	0 10 0	31 10 0
On application for extension of time for acceptance of complete specification .. .. .	..	10s., £1, or £1 10s.	17 10 0
On application for extension of time for payment of fees .. .. .	..	Ditto	87 0 0
On giving notice of opposition .. .. .	4	0 10 0	2 0 0
On extension of time for filing declarations in opposition cases .. .. .	..	..	0 10 0
On hearing objections .. .. .	9	1 0 0	9 0 0
On request for sealing letters patent .. .. .	667	2 0 0	1,322 0 0
Renewal fees before end of third year .. .. .	231	3 0 0	693 0 0
Renewal fees before end of fourth year .. .. .	274	5 0 0	1,370 0 0
Renewal fees before end of seventh year .. .. .	120	10 0 0	1,200 0 0
On application to seal letters patent after the prescribed time .. .. .	3	3 0 0	9 0 0
On sealing of letters patent .. .. .	..	..	26 0 0
On application for restoration of lapsed patent .. .. .	3	2 0 0	6 0 0
On restoration of lapsed patent .. .. .	..	..	92 0 0
On application to amend specification .. .. .	8	1 0 0	8 0 0
On request to enter name of subsequent proprietor, &c., on register .. .. .	289	0 10 0	144 10 0
Certificates <i>re</i> assignments .. .. .	30	0 5 0	7 10 0
On request to correct clerical errors .. .. .	2	0 5 0	0 10 0
Certificates of the Registrar .. .. .	1	0 5 0	0 5 0
Cartifying copies of specifications and drawings .. .. .	82	0 5 0	20 10 0
Patent agents' renewal fees .. .. .	25	1 1 0	26 5 0
Searches .. .. .	480	0 1 0	24 0 0
Copies of specifications and drawings .. .. .	..	..	59 16 0
Application for entry of order of Court on register .. .. .	1	0 5 0	0 5 0
Expenses of Registrar in hearing patent case away from Wellington .. .. .	..	..	3 1 2
Miscellaneous .. .. .	..	..	4 11 3
..	..	..	6,281 3 5
DESIGNS.			
Application for registration of designs .. .. .	..	5s. & 2s. 6d.	21 0 0
On extension of period of copyright under section 52 (2) .. .. .	..	..	27 10 0
On application for extension of time for payment of fee .. .. .	..	..	0 5 0
On cancellation of entry of design on register .. .. .	1	0 1 0	0 1 0
Searches .. .. .	..	..	0 5 6
..	..	..	49 1 6
TRADE-MARKS.			
Applications for registration of trade-marks .. .. .	577	0 10 0	288 10 0
On notice of opposition .. .. .	5	1 0 0	5 0 0
On extension of time for filing opposition .. .. .	..	..	4 15 0
On extension of time for filing declarations .. .. .	..	..	1 10 0
On hearing objections .. .. .	7	1 0 0	7 0 0
On registration .. .. .	502	1 0 0	502 0 0
On association .. .. .	109	0 1 0	5 9 0
On renewal of registration .. .. .	180	1 0 0	180 0 0
On extension of time for payment of renewal fee .. .. .	3	0 10 0	1 10 0
On assignment of trade-mark .. .. .	..	£1 and 2s.	41 18 0
On certificates <i>re</i> assignments .. .. .	48	0 5 0	12 0 0
On request to amend trade-mark application .. .. .	4	0 5 0	1 0 0
On request to correct clerical error .. .. .	4	0 5 0	1 0 0
On cancellation of entry in register .. .. .	4	0 5 0	1 0 0
On request to alter address .. .. .	..	5s. and 1s.	0 12 0
Extra space in <i>Journal</i> .. .. .	..	..	8 16 0
Copy of trade-mark certificates .. .. .	..	..	3 8 0
Searches .. .. .	117	0 1 0	5 17 0
Searches under Rule 82 .. .. .	84	0 2 6	10 10 0
Costs of Registrar in trade-mark case .. .. .	..	..	3 3 0
On application for leave to add to or alter a trade-mark .. .. .	..	£1 and 10s.	5 10 0
Request to enter change of name .. .. .	..	5s. and 1s.	1 7 0
Certificates of the Registrar .. .. .	2	0 5 0	0 10 0
On application for avoidance or suspension of trade-mark registration .. .. .	4	2 0 0	8 0 0
Miscellaneous .. .. .	..	..	0 18 9
..	..	..	£1,101 3 9

## D.—STAFF OF OFFICERS, AND SALARIES.

	£	s.	d.
Registrar*	550	0	0
Deputy Registrar†	345	0	0
Clerk .. .. .	230	0	0
Clerk .. .. .	210	0	0
Clerk (for 8 months) .. .. .	130	0	0
Clerk .. .. .	165	0	0
Cadet .. .. .	95	0	0
Cadet .. .. .	80	0	0
Cadet (for 4½ months) .. .. .	18	15	0
Librarian .. .. .	220	0	0
Typist .. .. .	108	0	0
Typist (for 8 months) .. .. .	72	0	0

£2,223 15 0

\* Also Registrar of Copyright, nil.

† Also Deputy Registrar of Copyright, nil.

## E.—TOTAL NUMBER OF APPLICATIONS FOR PATENTS, AND REGISTRATION OF DESIGNS AND TRADE-MARKS, RECORDED FOR THE YEARS 1890 TO 1915 INCLUSIVE.

Year.	Patents.	Designs.	Trade-marks.	Total.
1890	616	5	160	781
1891	589	4	225	818
1892	606	10	290	906
1893	625	1	325	951
1894	756	15	347	1,118
1895	816	14	254	1,084
1896	992	27	279	1,298
1897	1,093	13	361	1,467
1898	1,021	10	343	1,374
1899	992	12	328	1,332
1900	1,009	15	348	1,372
1901	1,114	18	379	1,511
1902	1,431	28	412	1,871
1903	1,604	26	447	2,077
1904	1,483	24	592	2,099
1905	1,601	54	607	2,262
1906	1,745	36	702	2,483
1907	1,618	57	684	2,359
1908	1,527	79	685	2,291
1909	1,705	51	703	2,459
1910	1,831	46	818	2,695
1911	1,740	21	861	2,622
1912 { 1 Jan.—30 June	904	15	384	1,303
1912 { 1 July—31 Dec.	833	29	395	1,257
1913	1,775	65	787	2,627
1914	1,574	55	687	2,316
1915	1,299	89	565	1,953

## F.—NUMBER OF PROVISIONAL AND COMPLETE SPECIFICATIONS RECEIVED, ETC.

Year.	Number of Applications with which Complete Specifications lodged.		Number of Applications with which Provisional Specifications lodged.		Number of Applications for which Complete Specifications subsequently lodged.		Number of Applications abandoned, lapsed, or refused.		Number of Patents sealed.		Total Number of Applications.
	N.Z.	Foreign.	N.Z.	Foreign.	N.Z.	Foreign.	N.Z.	Foreign.	N.Z.	Foreign.	
1890	242	207	107	60	27	17	202	50	147	217	616
1891	187	207	126	69	29	25	191	50	122	226	589
1892	202	191	160	53	40	16	237	43	125	201	606
1893	198	178	197	52	51	24	262	30	133	200	625
1894	278	166	251	61	69	16	352	51	173	176	756
1895	229	201	307	79	75	34	403	51	133	229	816
1896	299	275	318	100	68	33	439	75	185	293	992
1897	217	303	444	129	87	41	481	95	181	336	1,093
1898	199	305	419	98	102	29	447	70	172	332	1,021
1899	182	297	382	131	84	55	409	82	155	346	992
1900	160	321	441	87	97	36	452	59	149	349	1,009
1901	199	353	459	103	119	28	458	76	200	380	1,114
1902	163	357	767	144	274	65	690	86	240	415	1,431
1903	205	368	859	172	238	54	801	116	263	424	1,604
1904	200	321	754	208	198	74	700	154	254	375	1,483
1905	215	355	827	204	222	86	783	142	259	417	1,601
1906	230	405	866	244	227	100	843	175	253	474	1,745
1907	221	456	748	193	160	88	748	145	221	504	1,618
1908	221	365	792	149	211	79	741	107	272	407	1,527
1909	233	407	892	173	197	99	862	108	263	472	1,705
1910	250	443	990	148	254	75	925	125	306	475	1,831
1911	245	434	935	126	258	59	849	86	323	482	1,740
1912	258	507	877	95	275	35	817	78	334	508	1,737
1913	217	467	965	126	249	58	910	94	272	499	1,775
1914	177	426	868	103	228	45	*	*	*	*	1,574
1915	140	286	787	86	*	*	*	*	*	*	1,299

\* These figures are necessarily incomplete, as the time for proceeding further with the applications has not yet expired.

G.—TABLE SHOWING, OVER A SERIES OF YEARS, THE NUMBER OF PATENTS THAT WERE CONSIDERED OF SUFFICIENT VALUE TO BE KEPT ALIVE BY PAYMENT OF THE RENEWAL FEES.

Year.	Number of Applications received.	Number of Complete Specifications received.	Number of Letters Patent sealed.	Number of Patents on which Second-term Fee paid.	Number of Patents on which Final Fee paid.
1890	616	493	364	80	37
1891	589	448	348	78	23
1892	606	449	326	84	37
1893	625	451	333	99	47
1894	756	529	349	88	31
1895	816	539	362	113	45
1896	992	675	478	118	53
1897	1,093	648	517	136	49
1898	1,021	635	504	138	58
1899	992	618	501	199	90
1900	1,009	614	498	172	71
1901	1,114	699	580	200	91
1902	1,431	859	655	209	104
1903	1,604	865	687	229	95
1904	1,483	793	629	209	89
1905	1,601	878	676	231	108
1906	1,745	962	727	238	96
1907	1,618	925	725	231	122
1908	1,527	876	679	222	121
1909	1,705	936	735	252	...
1910	1,831	1,022	844	285	...
1911	1,740	996	805	270	...

H.—NUMBER OF APPLICATIONS FOR PATENTS FROM PERSONS RESIDING IN NEW ZEALAND AND OTHER COUNTRIES IN EACH OF THE YEARS 1913, 1914, AND 1915.

—	1913.	1914.	1915.	—	1913.	1914.	1915.
New Zealand .. ..	1,173	1,045	927	Italy .. ..	2	1	..
Argentina .. ..	..	1	..	New South Wales .. ..	96	72	60
Austria .. ..	1	..	..	Norway .. ..	3	..	2
Belgium .. ..	3	3	..	Queensland .. ..	8	13	9
Canada .. ..	19	12	9	Rhodesia .. ..	1	..	..
China .. ..	1	..	1	Russia .. ..	..	1	..
Cuba .. ..	1	..	..	South Australia .. ..	15	15	11
Denmark .. ..	4	2	3	Spain .. ..	..	1	..
Egypt .. ..	..	1	..	Sweden .. ..	5	8	..
France .. ..	9	4	1	Switzerland .. ..	1	..	..
Germany .. ..	25	13	1	Tasmania .. ..	5	3	8
Great Britain .. ..	183	150	98	Transvaal .. ..	..	3	2
Hawaii .. ..	1	..	..	United States .. ..	121	106	60
Holland .. ..	2	7	..	Victoria .. ..	84	111	100
Hungary .. ..	1	..	..	Western Australia .. ..	13	7	8
India .. ..	1	..	..	Zululand .. ..	..	1	..

NOTE.—A few applications were received from joint applicants resident in different countries, also from applicants giving two addresses; the figures will therefore total more than the actual number of applications received.

I.—TABLE SHOWING NUMBER OF APPLICATIONS FOR PATENTS FOR THE DIFFERENT CLASSES OF INVENTIONS FOR EACH OF THE YEARS 1913, 1914, AND 1915.

Class.	1913.	1914.	1915.	Class.	1913.	1914.	1915.
Advertising and displaying, signs, &c.	16	21	5	Illuminating (except gas-manufacture)	28	16	12
Aeronautics .. .. .	4	8	8	Indicating, calculating, and measuring (including moisture-testers)	32	23	37
Amusements, music, exercisers, games, &c.	41	36	32	Kitchen utensils and cooking-appliances (including ovens)	59	42	35
Attaching and securing (including bolts, ties, &c.)	28	17	21	Lifting, hauling, and loading ..	24	20	25
Boilers (steam) .. .. .	13	10	11	Locks, latches, and hinges ..	20	18	13
Boots and shoes .. .. .	20	37	26	Marine and submarine (including lake and river engineering)	39	22	43
Bottles, bottling, and glass-working	24	22	9	Marking (tickets, labels, &c.) ..	6	15	12
Boxes, cans, and casks .. .. .	47	29	33	Medicines and surgical appliances (including ear-instruments, dental work, &c.)	24	11	16
Brewing, distilling, &c. .. .. .	5	2	2	Metal-working (including welding, stamping, and plating)	14	12	15
Brooms and brushes (including mops)	8	10	8	Milking-machines* .. .. .	68	62	55
Building, construction .. .. .	37	31	28	Minerals (including filtration, lixiviation, screens, &c.)	30	29	11
" (brick and cement, compositions and moulding)	28	21	22	Ditto (magnetic separators) ..	1	..	1
" (windows and doors) .. .. .	21	20	31	" (stampers and pulverizers) ..	3	3	2
Chemicals .. .. .	4	5	3	Oils and lubricators .. .. .	13	10	20
Cleaning, polishing, &c. .. .. .	20	13	10	Paints and painting (including kauri-gum)	13	9	11
Closets and urinals .. .. .	17	12	21	Pipes, tubes, and hose .. .. .	10	10	8
Coin-freed mechanism .. .. .	6	5	2	Preserving .. .. .	3	9	3
Cooling and freezing .. .. .	6	3	8	Presses .. .. .	3	1	4
Cultivating and tilling .. .. .	25	48	25	Printing and photography .. .. .	22	9	11
Cutting and sawing, and tools ..	49	47	32	Pumps and sprayers (except rotary pumps)	21	12	7
Dairying* .. .. .	27	30	22	Railways and tramways .. .. .	80	77	32
Drains and sewers .. .. .	2	5	3	Roads and ways (including road-watering)	8	4	1
Dredging and excavating (including rock-drills)	3	7	9	Seed-dressing, chaffcutting, and threshing	12	10	6
Drying .. .. .	12	8	6	Seed-sowers .. .. .	7	5	12
Electricity and magnetism .. .. .	15	17	21	Sewing and knitting .. .. .	4	6	9
Engines (air, gas, and oil) .. .. .	42	31	26	Sheep and cattle (including veterinary appliances)	32	27	23
" (steam), including rotary pumps	18	19	9	Sheep shearing and clipping .. .. .	4	8	2
" (miscellaneous and engine-accessories) including— Current motors, Solar motors, Tide motors, Wave motors, Wind-mills, Miscellaneous motors	42	31	26	Shop and hotel fittings .. .. .	6	17	9
Explosives, firearms, and targets ..	18	9	25	Stationery and paper .. .. .	38	27	23
Exterminating (including trapping animals)	30	10	12	Telephony and telegraphy (including phonographs)	61	82	26
Fencing .. .. .	20	18	14	Tobacco .. .. .	11	1	8
" (strainers) .. .. .	10	8	5	Valves and cocks .. .. .	6	9	10
Fibre-dressing (including rope-making)	56	58	25	Vehicles .. .. .	45	34	32
Filters .. .. .	4	1	2	" (velocipedes) .. .. .	42	44	36
Fire alarms, escapes, ladders, and extinguishers	12	7	14	Ventilating .. .. .	5	7	6
Food .. .. .	10	7	8	Washing and cleansing .. .. .	23	14	17
Furnaces and kilns (including smoke-consumers)	29	11	7	Water-supplying .. .. .	11	5	6
Furniture and upholstery, desks, blinds, curtains, &c.	61	52	34	Wearing-apparel .. .. .	55	44	22
Gas-manufacture for lighting, heating, or power purposes	24	26	17	Wools and hides .. .. .	4	6	7
Harness (including horse, &c., covers)	20	19	18	Miscellaneous inventions not in other classes, as india-rubber manufacture, fishing-appliances, &c.	11	8	4
Harvesting and grading .. .. .	6	9	9				
Heating and fuel-manufacture .. ..	36	33	27				

NOTE.—Owing to some inventions being classified under more than one heading, the figures will total rather more than the actual number of applications received.

\* Prior to 1911 milking-machines were included in Class Dairying, but are now a separate class.

J.—NUMBER OF APPLICATIONS RECEIVED UNDER THE INTERNATIONAL AND COLONIAL ARRANGEMENTS, SHOWING THE COUNTRY OF ORIGIN, IN EACH OF THE YEARS 1913, 1914, AND 1915.

Country.	1913.	1914.	1915.	Country.	1913.	1914.	1915.
Australia .. .. .	46	41	37	Holland .. .. .	..	2	..
Belgium .. .. .	1	1	..	Hungary .. .. .	1	..	..
Canada .. .. .	1	..	..	Spain .. .. .	1	..	..
France .. .. .	1	..	..	Sweden .. .. .	..	2	..
Germany .. .. .	6	2	1	Switzerland .. .. .	1	..	..
Great Britain .. .. .	58	64	24	United States of America	23	25	13



## K.—APPLICATIONS PENDING AT END OF 1915.

Total, 1,308.

## L.—PATENTS IN FORCE AT END OF YEAR 1915.

Patents sealed from 31st December, 1911, to 31st December, 1915	1,843
Third-year fees paid from 31st December, 1914, to 31st December, 1915	232
Fourth-year fees paid from 31st December, 1912, to 31st December, 1915	796
Seventh-year fees paid from 31st December, 1908, to 31st December, 1915	728
<b>Total</b>	<b>3,599</b>

## M.—TABLE SHOWING TOTAL NUMBER OF APPLICATIONS FOR PATENTS, LETTERS PATENT SEALED, AND LETTERS PATENT IN FORCE FOR FULL TERM UNDER THE DIFFERENT PATENTS ACTS, UP TO 31ST DECEMBER, 1915 (INCLUSIVE).

		Total Number of Applications.	Number on which Letters Patent have been sealed.	Number of Patents on which Final Fee paid.
Act of 1860 ...	1861 to 1870 ...	109	109	109
" 1870 ...	1871 to 1883 ...	881	687	465
" 1883 ...	1884 to 1889 ...	3,170	1,757	368
Acts of 1889 and 1908	1890 to 30th June, 1912 ...	27,419	12,711	1,391*
Act of 1911 ...	1st July, 1912, to 31st December, 1915	5,480	1,808*	*
<b>Grand totals</b> ...		<b>37,059</b>	<b>17,072*</b>	<b>2,333*</b>

\* Incomplete.

## N.—TABLE SHOWING NUMBER OF APPLICATIONS FOR REGISTRATION OF DESIGNS IN EACH OF THE SIXTEEN CLASSES UNDER THE PATENTS, DESIGNS, AND TRADE-MARKS ACT, 1911, FROM 1ST JANUARY TO 31ST DECEMBER, 1915.

<i>Class 1.</i> —Articles composed wholly of metal or in which metal predominates, not included in Class 2	40
<i>Class 2.</i> —Jewellery	28
<i>Class 3.</i> —Articles composed wholly of wood, bone, ivory, papier-maché or other solid substances not included in other classes, or of materials in which such substances predominate	8
<i>Class 4.</i> —Articles composed wholly of glass, earthenware, or porcelain, bricks, tiles, or cement, or in which such materials predominate	2
<i>Class 5.</i> —Articles composed wholly of paper (except paperhangings), cardboard, millboard, or strawboard, or in which such materials predominate	8
<i>Class 6.</i> —Articles composed wholly of leather or in which leather predominates, and book-binding of all materials	...
<i>Class 7.</i> —Paperhangings	...
<i>Class 8.</i> —Carpets and rugs in all materials, floorcloths, and oilcloths	...
<i>Class 9.</i> —Lace	...
<i>Class 10.</i> —Hosiery	1
<i>Class 11.</i> —Millinery and wearing-apparel, including boots and shoes	1
<i>Class 12.</i> —Ornamental needlework or muslin or other textile fabrics	...
<i>Class 13.</i> —Printed or woven designs on textile piece-goods (other than checks or stripes)	...
<i>Class 14.</i> —Printed or woven designs on handkerchiefs and shawls (other than checks or stripes)	...
<i>Class 15.</i> —Printed or woven designs (on textile piece-goods or on handkerchiefs or shawls) being checks or stripes	...
<i>Class 16.</i> —Goods not included in other classes	1

O.—NUMBER OF APPLICATIONS FOR REGISTRATION OF TRADE-MARKS FROM PERSONS RESIDING IN NEW ZEALAND AND OTHER COUNTRIES IN EACH OF THE YEARS 1913, 1914, AND 1915.

	1913.	1914.	1915.		1913.	1914.	1915.
New Zealand ..	303	270	203	Italy .. ..	..	3	..
Austria .. ..	..	3	..	Natal .. ..	..	1	..
Belgium .. ..	4	..	..	New South Wales ..	54	44	50
Canada .. ..	8	2	4	Norway .. ..	6	6	..
Cape Colony ..	..	9	..	Philippines .. ..	10	..	..
China .. ..	..	1	..	Queensland .. ..	4	4	..
Denmark .. ..	4	..	..	Strait Settlement ..	..	2	1
France .. ..	6	3	11	Sweden .. ..	12	7	4
Germany .. ..	20	20	2	Switzerland .. ..	1	2	..
Great Britain ..	253	199	158	United States of America	70	75	102
Holland .. ..	2	..	3	Victoria .. ..	28	46	34
India .. ..	2	..	2				

NOTE.—A few applications were received from persons giving addresses in two or more countries; the figures will therefore total more than the actual number of applications received.

P.—NUMBER OF APPLICATIONS TO REGISTER TRADE-MARKS IN THE FIFTY DIFFERENT CLASSES, IN EACH OF THE YEARS 1913, 1914, AND 1915.

Classes.	Classification of Goods.	1913.	1914.	1915.
1	Chemical substances used in manufactures, photography, or philosophical research, and anti-corrosives	32	13	7
2	Chemical substances used for agricultural, horticultural, veterinary, and sanitary purposes	22	35	31
3	Chemical substances prepared for use in medicine and pharmacy ..	61	62	62
4	Raw or partly prepared vegetable, animal, and mineral substances used in manufactures not included in other classes	8	15	6
5	Unwrought and partly wrought metals used in manufacture .. ..	12	13	4
6	Machinery of all kinds, and parts of machinery, except agricultural and horticultural machines included in Class 7	20	15	20
7	Agricultural and horticultural machinery, and parts of such machinery ..	12	5	6
8	Philosophical instruments, scientific instruments, and apparatus for useful purposes; instruments and apparatus for teaching	8	13	7
9	Musical instruments .. ..	14	8	3
10	Horological instruments .. ..	4	3	5
11	Instruments, apparatus, and contrivances, not medicated, for surgical or curative purposes, or in relation to the health of men or animals	6	14	4
12	Cutlery and edge-tools .. ..	5	9	3
13	Metal goods not included in other classes .. ..	35	14	21
14	Goods of precious metals (including aluminium, nickel, Britannia-metal, &c.) and jewellery, and imitations of such goods and jewellery	4	7	2
15	Glass .. ..	4	2	1
16	Porcelain and earthenware .. ..	2	..	..
17	Manufactures from mineral and other substances for building or decoration	8	8	5
18	Engineering, architectural, and building contrivances .. ..	12	6	4
19	Arms, ammunition, and stores not included in Class 20 .. ..	..	..	2
20	Explosive substances .. ..	9	5	..
21	Naval architectural contrivances and naval equipments not included in Classes 19 and 20	..	..	..
22	Carriages .. ..	19	16	7
23	(a) Cotton yarn; (b) sewing-cotton .. ..	2	3	..
24	Cotton piece-goods of all kinds .. ..	10	3	3
25	Cotton goods not included in Classes 23, 24, and 38 .. ..	1	4	1
26	Linen and hemp yarn and thread .. ..	..	3	..
27	Linen and hemp piece-goods .. ..	..	1	..
28	Linen and hemp goods not included in Classes 26, 27, and 50 .. ..	..	..	..
29	Jute yarns and tissues, and other articles made of jute not included in Class 50	..	..	..
30	Silk, spun, thrown, or sewing .. ..	4	3	..
31	Silk piece-goods .. ..	2	1	..
32	Other silk goods not included in Classes 30 and 31 .. ..	..	..	..
33	Yarns of wool, worsted, or hair .. ..	..	..	..
34	Cloths and stuffs of wool, worsted, or hair .. ..	8	3	3
35	Woollen and worsted and hair goods not included in Classes 33 and 34 ..	1	..	..
36	Carpets, floorcloth, and oilcloth .. ..	1	..	2
37	Leather, skins, unwrought and wrought, and articles made of leather not included in other classes	6	6	3
38	Articles of clothing .. ..	65	40	40
39	Paper (except paperhangings), stationery, and bookbinding .. ..	6	16	11
40	Goods manufactured from indiarubber and guttapercha not included in other classes	7	10	11
41	Furniture and upholstery .. ..	3	1	4
42	Substances used as food or as ingredients in food .. ..	167	116	118
43	Fermented liquors and spirits .. ..	22	13	13
44	Mineral and aerated waters, natural and artificial, including ginger-beer	5	28	16
45	Tobacco, whether manufactured or unmanufactured .. ..	49	32	17
46	Seeds for agricultural and horticultural purposes .. ..	..	5	1
47	Candles, common soap, detergents; illuminating, heating, or lubricating oils; matches; and starch, blue, and other preparations for laundry purposes	50	49	44
48	Perfumery (including toilet articles), preparations for the teeth and hair, and perfumed soap	45	40	27
49	Games of all kinds, and sporting articles not included in other classes ..	..	6	1
50	Miscellaneous .. ..	37	41	50

## Q.—INSTITUTIONS FILING PATENT OFFICE JOURNAL FOR FREE PUBLIC INSPECTION.

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Auckland Public Library.  
Leys Institute.  
Local Patent Office, Supreme Court.  
Chamber of Commerce.  
University College.

Bombay—Public Library.

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Drury—Public Library.

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Te Uku—Public Library.

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Turanganui—Public Library.

Upper Waiwera—Public Library.

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Waikumete—Public Library.

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*Taranaki* :—

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Hawera—Public Library.

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Opunake—Public Library.

Waitara—Public Library.

*Hawke's Bay* :—

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Waipoua—Mechanics' Institute.

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Woodville—Public Library.

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Petone—Public Library.

Porirua—Public Library.

Rangiwahia—Public Library.

Sanson—Public Library.

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Wanganui—Local Patent Office, Courthouse.  
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Mechanics' Institute.  
Public Library.

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Technical School.

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*Canterbury* :—

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Technical School.

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 Spotswood—Public Library.  
 Springfield—Public Library.  
 Southbridge—Public Library.  
 Sumner—Public Library.  
 Sydenham—Public Library.  
 Tai Tapu—Public Library.  
 The Peaks—Public Library.  
 Timaru—Local Patent Office, Courthouse.  
 Technical School.  
 Carnegie Library.  
 View Hill—Public Library.  
 Waiau—Public Library.  
 Waihaorunga—Public Library.  
 Waikari—Public Library.  
 Waimate—Public Library.  
 Waitohi Flat—Public Library.  
 Waltham—Public Library.  
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 West Eyreton—Public Library.  
 Woolston—Public Library.

*Westland* :—

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 Greymouth—Local Patent Office, Courthouse.  
 Municipal Library.  
 Hokitika—Local Patent Office, Courthouse.  
 Free Public Library.  
 Jacob's River, Bruce Ba.—Public Library.  
 Okura—Public Library.  
 Runanga—Seddon Memorial Institute.  
 Waimangaroa—Public Library.  
 Westport—Local Patent Office, Courthouse.  
 Free Public Library.

*Otago* :—

Balclutha—Public Library.  
 Beaumont—Public Library.  
 Clinton—Public Library.  
 Clyde—Local Patent Office, Courthouse.  
 Cromwell—Public Library.  
 Dunedin—Local Patent Office, Supreme Court.  
 Free Public Library.  
 University of Otago.  
 Supreme Court Library.  
 Technical School.  
 Dunrobin—Public Library.  
 Garston—Public Library.  
 Gibbston—Public Library.  
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 Green Island—Public Library.  
 Kakanui—Public Library.  
 Lawrence—Public Library.  
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 Oamaru—Local Patent Office, Courthouse.  
 Otopopo—Public Library.  
 Owaka—Public Library.  
 Palmerston—Public Library.  
 Papakaio—Public Library.  
 Queenstown—Local Patent Office, Courthouse.  
 Roslyn—Public Library.  
 Waikouaiti—Public Library.

*Southland* :—

Campbelltown—Public Library.  
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 Te Tua—Public Library.

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Tuturau—Public Library.  
 Waikain—Public Library.

## Chatham Islands—Public Library.

## AUSTRALIAN COMMONWEALTH.

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Goulburn—Technical College.  
 Newcastle—Technical College and School of Mines.  
 Sydney—Patents Library.  
 Patents Sub-office.  
 Public Library.  
 University of Sydney.  
 Incorporated Law Institute.  
 Technological Museum.  
 West Maitland—Technical College.

*Queensland* :—

Brisbane—Chamber of Commerce (Inc.).  
 Collector of Customs.  
 Municipal Library.  
 Public Library of Queensland.  
 Charters Towers—School of Mines.  
 Ipswich—Technical College.  
 Mount Morgan—Technical College.

*South Australia* :—

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 Moonta—Moonta School of Mines.  
 Mount Gambier—Mount Gambier Institute.

*Tasmania* :—

Beaconsfield—School of Mines.  
 Hobart—Collector of Customs.  
 University of Tasmania.  
 Launceston—Technical School.  
 Queenstown—Public Library.  
 Zeehan—School of Mines.

*Victoria* :—

Ballarat—School of Mines and Industries.  
 Bendigo—School of Mines.  
 Geelong—Gordon Technical College.  
 Melbourne—Aust. Inst. of Pat. Agents, Melbourne.  
 Patent Office.  
 Melbourne Chamber of Commerce.  
 University of Melbourne.  
 Public Library of Victoria.  
 Working-men's College.  
 Stawell—School of Mines.  
 Warrnambool—Public Museum.

*Western Australia* :—

Boulder City—Public Library.  
 Kalgoorlie—Chamber of Mines of Western Australia (Inc.).  
 Perth—Public Library of Western Australia.  
 Technical School.  
 Trade-marks and Patents Office, Custom-house.

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 Barrow-in-Furness—Public Library.  
 Barry Dock—Public Library.  
 Birkenhead—Public Library.  
 Birkenhead Central Library.  
 Birmingham—University Library, Edgbaston.  
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 Blackpool—Public Library.  
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 Eceles—Public Library.  
 Edinburgh—Public Library.  
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 Falkirk—Public Library.  
 Ferne Hill—Carnegie Public Library.  
 Fleetwood—Fielden Free Library.  
 Gainsborough—Public Library.  
 Galashiels—Public Library.  
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