

1920.

NEW ZEALAND.

PATENTS, DESIGNS, AND TRADE-MARKS.

THIRTY-FIRST ANNUAL REPORT OF THE REGISTRAR.

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

I HAVE the honour, in pursuance of section 120 of the Act, to submit my report on the operations thereunder during the past year.

The total number of applications was 3,226, as compared with 2,134 in 1918, an increase of 1,092, or 66 per cent. The highest number in any previous year was 2,695, in 1910.

The amount received in fees was £9,345 1s. 2d., an increase of £1,216, or 15 per cent., over the revenue for the preceding and previous highest year. The sum expended was £3,373 6s. 9d. This was £541 17s. 8d. higher than in 1918 (chiefly owing to amount of printing done), but lower than in 1914, and only slightly in excess of the expenditure for the intervening years. The balance was £5,971 14s. 5d., and this added to the total of receipts over expenditure since the 1st January, 1890, brings the amount to £85,428.

With the lowest scale in the world except the United States the amount received in fees compares favourably with that of other places. In Australia, where the fees are about the same, the amount received was £14,946 in 1918, as compared with the revenue of this country of £9,345 for last year. The policy adopted towards inventors by the Commonwealth, which does not look to them to contribute to the general revenue of the State, has no doubt not been without its effect in the marked development of the secondary industries of that country.

While, as required by the Act, prominence is given to an account of fees and expenses in this report, it should be borne in mind that the object of the patent law is the development of manufacture by the promotion of invention, and, as the consideration for the patent granting monopoly of the use of an invention for a certain time is the full disclosure of it to the public by means of the specification, the payment of fees beyond those required to meet expenses, although not uncommon in various countries, does not in principle seem to be sound.

As frequently pointed out, much might be done to foster and stimulate useful invention in this country by the adoption of the recommendations made from time to time in these reports, and it is hoped that more will be effected in this respect to develop and as far as possible direct into more profitable lines the inventive genius with which the people of this country appear to be so highly endowed.

The small proportion of inventions that prove remunerative renders it very advisable for inventors to ascertain as far as possible not merely the novelty but the prospects of commercial success of their inventions before going to much expense in patenting and exploiting them here, and more especially abroad.

The increase in the work of the Office without additional staff has led to delays and a large number of cases are at present pending. The inconvenience thus caused has been borne without complaint by applicants and agents, but it is hoped that better facilities for coping with the work, more especially as regards examination and searching, will be afforded.

PEACE PROVISIONS.

Provision was made by the Treaty of Peace for extending the time for payment of fees and taking other action which should otherwise have been effected during the period of the war, and the New Zealand Treaty of Peace Order applies such provisions with slight variations to this country. In a number of cases the extensions (for which no fees are required) have been granted, and many others are at present pending for evidence of nationality, &c. While the time allowed for payment of fees, &c., is extended until the 10th January next, that for filing applications to secure the prior date under the Convention was only until the 10th July, and inventors thus unable to obtain in this country the date of their applications abroad appear to be placed in the serious position of being liable to lose their rights by the prior publication of their inventions here.

AMENDMENT OF LAW.

Following the amendment of the patent law of the United Kingdom, proposals are under consideration to consolidate the law, bring it up to date, and effect improvements in other respects.

PATENTS.

(The figures in parentheses are for the year 1918.)

The number of applications received during 1919 was 1,880 (1,389), of which 995 (792) were filed with provisional specifications and 885 (597) were complete. Two hundred and seventy-seven complete specifications were lodged during the year in respect of applications with which provisional specifications had been filed.

The total number of applications received to the 31st December, 1919, was 42,917, and the number of patents in force as on that date was 4,623.

The amount received in patent fees during 1919 was £7,335, being an increase of £758 above the amount received from the same source during 1918.

During the past few years both the renewable fees under the Act of 1908 and those under the present Act have been payable. The cessation of the former during the year will probably be made up for by increase of latter fees. The renewal fees of £5 and £10 under the old Act before the end of the fourth and seventh years averaged for 1910 to 1913 £2,252 per year, while those under the present Act amounted to £2,763 for last year.

The number of entries made on the Register in reference to assignments, licenses, &c., of patents was 71 (52).

The amount of fees received in respect of the restoration of lapsed patents was £53, as against £102 received in 1918.

Twenty-one women inventors lodged applications during the year under review.

Two patents of additions were sealed during the year.

Countries from which Applications received.

Of the 1,880 applications 1,104 were received from residents of New Zealand in 1919, while in the previous year out of 1,386 applications 885 were by persons residing in this country.

From Australia 243 (Victoria 106, New South Wales 91) came to hand, as compared with 223 (Victoria 126, New South Wales 65) for the preceding year. Of others applying for New Zealand letters patent, 276 (156) lived in Great Britain, 200 (94) in the United States, and 11 (9) Canada, the figures in brackets being for the year 1918.

Trend of Invention.

The cessation of hostilities appears to have influenced, to a certain extent, the direction of inventive activity. There has been a decline in inventions relating to explosives and firearms, medical and surgical appliances, and marine vessels, including submarines, torpedoes, &c. There has also been a slight fall in the number of inventions relating to kauri-gum—36 (40); metal-working—16 (19); and fibre-dressing—16 (19). Increases are shown, however, in most branches of constructive industry, in which connection the following may be noted: Milking and dairying machinery and appliances, 89 (which is an increase of 34·8 per cent. on the previous year); fencing, 25 (108·3 per cent. increase); and building construction and materials, 120 (71·4 per cent. increase). Inventions relating to vehicles and accessories, which were noted in my last report as showing a remarkable increase, are again more numerous (98 as compared with 91), though the proportional accretion is not as great as in the prior year.

DESIGNS.

Registration of Designs.

There were 73 applications received, and registration was effected in 64 cases, as compared with 53 applications and 50 registrations in the previous year.

The fees amounted to £32, being more than in 1918.

TRADE-MARKS.

Last year 1,272 applications for registration of trade-marks were received, 577 more than the number received the previous year.

The amount received in fees in respect of trade-marks was £1,925 17s., as against £1,533 15s. for 1918—an increase of £392 2s. This branch of the business of the Office has shown an increase in the amount received in fees as well as the increased number of applications recorded.

The number of trade-marks on the Register at the end of the year was 10,903.

Countries from which Applications received.

The resumption of trade and pushing out for fresh markets is reflected in the greatly increased number of applications for registration of trade-marks, particularly from Great Britain, during the year. From residents of New Zealand 286 applications were received, as compared with 222 for the previous year. The number from Great Britain was 445, as compared with 178 for 1918; United States of America, 344 (142); New South Wales, 73 (63); Victoria, 63 (46).

Goods for which Trade-marks registered.

As usual, more applications for registration of trade-marks were in the food class (42) than in the others (181). More applications were received in 40 classes, and fewer in 8 classes, than in the previous year.

PATENT AGENTS.

The number of Patent Agents on the Register was twenty-two. One, I regret to record, died during the year, and one was registered after examination.

STAFF.

I take the opportunity of recording my appreciation of the services of the staff during the year.

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. viii of the *Patent Office Journal*.

J. C. LEWIS, Registrar.

Patent Office, Wellington, 6th August, 1920.

APPENDIX.

A.—BALANCE-SHEET OF INCOME AND EXPENDITURE FOR THE YEAR ENDED 31ST DECEMBER, 1919.

Income.				Expenditure.			
	£	s.	d.		£	s.	d.
Patent fees	7,335	1	6	Salaries	1,722	3	7
Design fees	32	12	6	Clerical assistance	214	0	9
Trade-mark fees	1,925	17	0	Fees to local Patent officers	2	15	0
Sale of Acts, <i>Gazettes</i> , <i>Journals</i> , &c. ..	51	10	2	Printing <i>Patent Office Journal</i>	911	11	6
				Other printing and binding	251	4	9
				Rent of space for railway notice-boards	21	17	6
				Payments refunded	24	1	1
				Stamps	97	7	5
				Stationery	97	8	0
				Typewriter	17	0	0
				Typewriter-repairs	6	3	0
				Coal and wood	6	8	6
				Miscellaneous	1	5	8
				Balance	5,971	14	5
	£9,345	1	2		£9,345	1	2

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

Year.				Receipts.				Expenditure.				Surplus.			
				£ s. d.				£ s. d.				£ s. d.			
1912	..	6,756	7 11	2,989	3 0	3,767	4 11	1916	..	7,107	11 3	2,835	5 1	4,272	6 2
1913	..	7,113	7 0	2,972	0 3	4,141	6 9	1917	..	6,954	19 3	3,258	4 11	3,696	14 4
1914	..	7,572	0 0	3,536	15 3	4,035	4 9	1918	..	8,175	19 0	2,831	9 1	5,344	9 11
1915	..	7,491	13 11	3,230	16 0	4,260	17 11	1919	..	9,345	1 2	3,373	6 9	5,971	14 5

C.—PARTICULARS OF FEES RECEIVED FROM 1ST JANUARY TO 31ST DECEMBER, 1919.

	Number.	Fee, each.	Amount received.
PATENTS.			
Applications for patents with provisional specifications	995	£ s. d. 0 10 0	£ s. d. 497 10 0
Applications for patents with complete specifications	885	1 0 0	885 0 0
Complete specifications left after provisional specifications	277	1 0 0	277 0 0
Applications for extension of time for filing complete specifications	76	0 10 0	38 0 0
Applications for extension of time for acceptance of complete specifications	..	10s., £1., and £1 10s.	24 10 0
Applications for extension of time for payment of fees	..	10s., £1., and £1 10s.	82 0 0
On giving notice of opposition	6	0 10 0	3 0 0
On hearing objections	2	1 0 0	2 0 0
On request for sealing of letters patent	931	2 0 0	1,862 0 0
Renewal fees paid before end of third year	397	3 0 0	1,191 0 0
Renewal fees paid before end of fourth year	1	5 0 0	5 0 0
Renewal fees paid before end of sixth year	262	6 0 0	1,572 0 0
Renewal fees paid before end of seventh year	69	10 0 0	690 0 0
Restoration of lapsed patents	..	..	53 0 0
On request to enter name of subsequent proprietor on Register	71	0 10 0	35 10 0
Request to correct clerical errors	3	0 5 0	0 15 0
Certificates of Registrar	15	0 5 0	3 15 0
Certifying copies of specifications and drawings	80	0 5 0	16 0 0
Patent Agents' renewal fees	22	..	23 2 0
Alteration of address	1	0 5 0	0 5 0
Copies of specifications and drawings	..	..	31 5 6
Searches	..	..	6 6 0
On application to amend specification	7	1 0 0	7 0 0
On sealing patent after prescribed time	..	..	21 10 0
Extension of time to file declarations	..	..	4 10 0
On application for examination as Patent Agent	1	3 3 0	3 3 0
..	..	..	7,335 1 6
DESIGNS.			
Applications for registration of designs	..	5s. & 2s. 6d.	£ s. d. 17 2 6
On extension of period of copyright under section 52 (2)	..	..	10 0 0
On extension of period of copyright under section 52 (3)	..	..	5 10 0
..	..	..	32 12 6
TRADE-MARKS.			
Applications for registration	1272	£ s. d. 0 10 0	£ s. d. 636 0 0
On giving notice of opposition	7	1 0 0	7 0 0
On extension of time for filing opposition	..	..	1 15 0
On registration	741	1 0 0	741 0 0
On association	..	..	4 5 0
On renewal of registration	483	1 0 0	483 0 0
On assignment	..	..	27 8 0
On amendment	1	0 5 0	0 5 0
On cancellation	1	0 5 0	0 5 0
On request to enter change of name	..	..	2 15 0
Certificates of Registrar	15	0 5 0	3 15 0
Searches	..	..	8 19 0
On restoration of trade-mark	2	1 0 0	2 0 0
On hearing opposition	1	1 0 0	1 0 0
On extension of time to lodge counter-statement	..	..	1 0 0
Request to enter change of address	1	0 5 0	0 5 0
On correction of clerical error	1	0 5 0	0 5 0
Extra space in <i>Journal</i>	..	..	5 0 0
..	..	..	1,925 17 0

D.—STAFF OF OFFICERS, AND SALARIES.

	£	s.	d.
Registrar*	587	10	0
Deputy Registrar	..	..	..
Clerk	255	0	0
Clerk	190	0	0
Clerk	128	15	0
Cadet (for 4 months)	27	18	4
Cadet (for 9 months)	67	10	0
Cadet (for 7 months 12 days)	40	0	3
Librarian	213	15	0
Typist	118	0	0
Typist	93	15	0

£1,722 3 7

* Also Registrar of Copyright, nil.

E.—TOTAL NUMBER OF APPLICATIONS FOR PATENTS AND REGISTRATION OF DESIGNS AND TRADE-MARKS RECORDED FOR THE YEARS 1890, 1900, AND 1910 TO 1919 (INCLUSIVE).

Year.	Patents.	Designs.	Trade-marks.	Total.
1890	616	5	160	781
1900	1,009	15	348	1,372
1910	1,831	46	818	2,695
1911	1,740	21	861	2,622
1912	1,737	44	779	2,560
1913	1,775	65	787	2,627
1914	1,574	55	687	2,316
1915	1,299	89	565	1,953
1916	1,261	113	666	2,040
1917	1,329	83	619	2,031
1918	1,386	53	695	2,134
1919	1,880	74	1272	3,226

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.	
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	782	96	273	423	1,574
1915	140	286	787	86	322	46	669	78	266	288	1,299
1916	178	297	699	87	194	38	630	67	245	319	1,261
1917	183	360	708	84	203	41	580	57	249	385	1,329
1918	143	454	704	88	245	39	*	*	*	*	1,389
1919	200	685	906	91	...	...	...	...	...	...	1,880

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

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.

G.—NUMBER OF APPLICATIONS FOR PATENTS IN NEW ZEALAND FROM PERSONS RESIDING THERE AND IN OTHER COUNTRIES IN EACH OF THE YEARS 1917, 1918, AND 1919.

—			1917.	1918.	1919.	—			1917.	1918.	1919.
New Zealand	..	..	884	885	1,104	Holland	..	..	2	5	10
Algeria	..	..	..	1	..	Italy	..	..	1	6	2
Argentina	..	..	1	1	1	Japan	..	..	..	2	..
Belgium	..	..	..	..	2	New South Wales	..	..	68	65	91
Brazil	..	..	..	1	..	Norway	..	..	8	6	5
Canada	..	..	9	9	11	Queensland	..	..	13	14	17
Cook Islands	..	..	..	..	1	Rhodesia	..	..	..	..	5
Denmark	..	..	1	4	9	South Australia	..	..	4	10	12
Dutch East Indies	..	..	..	2	..	Sweden	..	..	7	4	19
Fiji	..	..	..	..	1	Tasmania	..	..	7	1	5
France	..	..	4	2	4	Transvaal	..	..	..	1	3
Friendly Islands	..	..	..	1	..	United States of America	..	..	82	94	200
Germany	..	..	..	2	..	Victoria	..	..	111	126	106
Great Britain	..	..	117	156	276	Western Australia	..	..	12	7	12
Hawaii	..	..	..	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.

H.—TABLE SHOWING NUMBER OF APPLICATIONS FOR PATENTS FOR THE DIFFERENT CLASSES OF INVENTIONS FOR EACH OF THE YEARS 1917, 1918, AND 1919.

Class.	1917.	1918.	1919.	Class.	1917.	1918.	1919.
Advertising and displaying signs, &c.	..	2	5	Illuminating (except gas-manufacture)	12	13	20
Aeronautics	13	6	11	Indicating, calculating, and measuring (including moisture-testers)	26	27	39
Amusements, music, exercisers, games, &c.	23	32	52	Kitchen utensils and cooking-appliances (including ovens)	27	16	43
Attaching and securing (including bolts, ties, &c.)	20	29	38	Lifting, hauling, and loading ..	29	26	37
Boilers (steam)	5	5	5	Locks, latches, and hinges ..	14	16	27
Boots and shoes	39	33	38	Marine and submarine (including lake and river engineering)	46	28	26
Bottles, bottling, and glass-working	9	12	19	Marking (tickets, labels, &c.) ..	7	4	10
Boxes, cans, and casks	34	52	37	Medicines and surgical appliances (including ear-instruments, dental work, &c.)	29	24	19
Brewing, distilling, &c. .. .	2	5	7	Metal-working (including welding, stamping, and plating)	8	19	16
Brooms and brushes (including mops)	21	11	9	Milking-machines*	37	51	59
Building construction	24	21	47	Minerals (including filtration, lixiviation, screens, &c.)	8	14	16
" (brick and cement compositions and moulding)	25	34	56	" (magnetic separators) ..	..	..	..
" (windows and doors) ..	20	15	17	" (stampers and pulverizers)	4	1	7
Chemicals	15	15	32	Oils and lubricators	4	14	19
Cleaning, polishing, &c. .. .	4	9	13	Paints and painting (including kauri-gum)	24	40	36
Closets and urinals	9	9	16	Pipes, tubes, and hose	4	9	10
Coin-freed mechanism	4	3	2	Preserving	8	6	9
Cooling and freezing	13	3	13	Presses	2	2	3
Cultivating and tilling	49	39	46	Printing and photography	9	15	27
Cutting and sawing, and tools ..	45	30	65	Pumps and sprayers (except rotary pumps)	17	11	17
Dairying*	29	15	30	Railways and tramways	16	20	20
Drains and sewers	3	..	3	Roads and ways (including road-watering)	2	3	7
Dredging and excavating (including rock-drills)	3	1	8	Seed-dressing, chaff-cutting, and threshing	3	9	4
Drying	13	10	12	Seed-sowers	4	8	7
Electricity and magnetism .. .	11	33	40	Sewing and knitting	9	14	18
Engines (air, gas, and oil) .. .	52	43	99	Sheep and cattle (including veterinary appliances)	16	25	22
" (steam), including rotary pumps	12	11	7	Sheep shearing and clipping ..	4	4	5
" (miscellaneous and engine accessories) * including current motors, solar motors, tide motors, wave motors, wind-mills, miscellaneous motors	41	38	50	Shop and hotel fittings	14	6	9
Explosives, firearms, and targets ..	25	15	13	Stationery and paper	28	28	31
Exterminating (including trapping animals)	15	10	15	Telephony and telegraphy (including phonographs)	26	18	70
Fencing	8	12	25	Tobacco	4	8	8
" (strainers)	5	6	6	Valves and cocks	3	2	16
Fibre-dressing (including rope-making)	24	19	16	Vehicles	31	54	66
Filters	1	5	8	" (velocipedes)	26	37	32
Fire alarms, escapes, ladders, and extinguishers	3	2	9	Ventilating	5	..	..
Food	7	20	17	Washing and cleansing	15	13	17
Furnaces and kilns (including smoke-consumers)	23	14	17	Water-supplying	6	2	1
Furniture and upholstery, desks, blinds, curtains, &c.	51	42	59	Wearing-apparel	21	25	33
Gas-manufacture for lighting, heating, or power purposes	10	10	20	Wools and hides	10	12	6
Harness (including horse, &c., covers)	4	20	13	Miscellaneous inventions not in other classes, as indiarubber-manufacture, fishing-appliances, &c.	10	11	10
Harvesting and grading	13	8	14				
Heating, and fuel-manufacture ..	34	37	71				

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

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.

I.—APPLICATIONS PENDING AT END OF YEAR 1919.

TOTAL, 1,626.

J.—PATENTS IN FORCE AT END OF YEAR 1919.

Patents sealed from 31st December, 1916, to 31st December, 1919 ..	2,180
Third-year fees paid from 31st December, 1916, to 31st December, 1919 ..	1,066
Fourth-year fees paid from 31st December, 1915, to 31st December, 1919 ..	140
Sixth-year fees paid from 31st December, 1913, to 31st December, 1919 ..	440
Seventh-year fees paid from 31st December, 1912, to 31st December, 1919 ..	797
Total	4,623

K.—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, 1919 (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	2,591*
Act of 1911	1st July, 1912, to 31st December, 1919	11,338	5,351*	440*
Grand totals	...	42,917	20,615*	3,973*

* Incomplete.

L.—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, 1919.

Class 1.—Articles composed wholly of metal or in which metal predominates, not included in Class 2	25
Class 2.—Jewellery	5
Class 3.—Articles composed wholly of wood, bone, ivory, paper-maché, or other solid substances not included in other classes, or of materials in which such substances predominate ..	20
Class 4.—Articles composed wholly of glass, earthenware, or porcelain, bricks, tiles, or cement, or in which such materials predominate	9
Class 5.—Articles composed wholly of paper (except paperhangings), cardboard, millboard, or strawboard, or in which such materials predominate	8
Class 6.—Millinery and wearing-apparel, including boots and shoes	1
Class 12.—Ornamental needlework on muslin or other textile fabrics	1
Class 16.—Goods not included in other classes	5
	74

M.—NUMBER OF APPLICATIONS FOR REGISTRATION OF TRADE-MARKS FROM PERSONS RESIDING IN NEW ZEALAND AND OTHER COUNTRIES IN EACH OF THE YEARS 1917, 1918, AND 1919.

	1917.	1918.	1919.		1917.	1918.	1919.
New Zealand	250	222	296	New South Wales ..	41	62	73
Belgium	..	..	1	Norway	1	..	2
Canada	29	20	16	Queensland	..	4	2
Denmark	2	..	..	South Australia ..	..	2	1
France	1	1	3	Spain	..	9	..
Great Britain	147	178	445	Sweden	1	4	12
Holland	1	2	3	Switzerland	..	1	5
Hong Kong	2	..	..	Tasmania	..	..	1
India	..	..	2	United States of America	105	142	344
Italy	..	..	1	Victoria	42	46	63
Japan	1	2	2	West Australia ..	..	..	1
Natal	1	..	..				

N.—NUMBER OF APPLICATIONS TO REGISTER TRADE-MARKS IN THE FIFTY DIFFERENT CLASSES IN EACH OF THE YEARS 1917, 1918, AND 1919.

Classes.	Classification of Goods.	1917.	1918.	1919.
1	Chemical substances used in manufactures, photography, or philosophical research, and anti-corrosives	22	33	49
2	Chemical substances used for agricultural, horticultural, veterinary, and sanitary purposes	25	20	43
3	Chemical substances prepared for use in medicine and pharmacy ..	43	49	102
4	Raw or partly prepared vegetable, animal, and mineral substances used in manufactures not included in other classes	6	9	12
5	Unwrought and partly wrought metals used in manufacture	14	6	22
6	Machinery of all kinds, and parts of machinery, except agricultural and horticultural machines included in Class 7	27	25	46
7	Agricultural and horticultural machinery, and parts of such machinery..	7	12	16
8	Philosophical instruments, scientific instruments, and apparatus for useful purposes; instruments and apparatus for teaching	10	14	20
9	Musical instruments	13	4	12
10	Horological instruments	2	..	5
11	Instruments, apparatus, and contrivances, not medicated, for surgical or curative purposes, or in relation to the health of men or animals	3	3	7
12	Cutlery and edge tools	5	6	20
13	Metal goods not included in other classes	23	25	66
14	Goods of precious metals (including aluminium, nickel, Britannia-metal, &c.) and jewellery, and imitations of such goods and jewellery	8	..	5
15	Glass	2	1	6
16	Porcelain and earthenware	5	2	8
17	Manufactures from mineral and other substances for building or decoration	12	13	9
18	Engineering, architectural, and building contrivances	11	5	9
19	Arms, ammunition, and stores not included in Class 20	1	..	2
20	Explosive substances	1	2	6
21	Naval architectural contrivances and naval equipments not included in Classes 19 and 20	..	..	1
22	Carriages	19	7	27
23	(a) Cotton-yarn; (b) sewing-cotton	..	2	..
24	Cotton piece-goods of all kinds	3	18	80
25	Cotton goods not included in Classes 23, 24, and 38	3	9	3
26	Linen and hemp yarn and thread	1	..	..
27	Linen and hemp piece-goods	..	1	2
28	Linen and hemp goods not included in Classes 26, 27, and 50 ..	..	1	3
29	Jute yarns and tissues, and other articles made of jute not included in Class 50	..	2	1
30	Silk, spun, thrown, or sewing	1	..	..
31	Silk piece-goods	2	9	11
32	Other silk goods not included in Classes 30 and 31	1	1	1
33	Yarns of wool, worsted, or hair	..	2	..
34	Cloths and stuffs of wool, worsted, or hair	1	5	47
35	Woollen and worsted and hair goods not included in Classes 33 and 34	2	1	4
36	Carpets, floorcloth, and oilcloth	2	..	5
37	Leather, skins (unwrought and wrought), and articles made of leather not included in other classes	5	10	12
38	Articles of clothing	44	48	74
39	Paper (except paperhangings), stationery, and bookbinding	16	38	54
40	Goods manufactured from indiarubber and guttapercha not included in other classes	18	10	34
41	Furniture and upholstery	4	11	7
42	Substances used as food or as ingredients in food	103	106	181
43	Fermented liquors and spirits	18	20	14
44	Mineral and aerated waters (natural and artificial), including ginger-beer	6	5	4
45	Tobacco, whether manufactured or unmanufactured	14	25	50
46	Seeds for agricultural and horticultural purposes	1	2	1
47	Candles, common soap, detergents; illuminating, heating, or lubricating oils; matches; and starch, blue, and other preparations for laundry purposes	39	59	48
48	Perfumery (including toilet articles), preparations for the teeth and hair, and perfumed soap	27	34	50
49	Games of all kinds, and sporting articles not included in other classes ..	11	3	3
50	Miscellaneous	38	39	81

Approximate Cost of Paper.—Preparation, not given; printing (550 copies), £12 10s.

By Authority: MARCUS F. MARKS, Government Printer, Wellington.—1920.

Price 6d.]