

1903.
NEW ZEALAND.

PATENTS, DESIGNS, AND TRADE MARKS:

FOURTEENTH ANNUAL REPORT OF THE REGISTRAR.

Presented to both Houses of the General Assembly pursuant to Section 128 of "The Patents, Designs, and Trade-marks Act, 1889."

I HAVE the honour to submit my report on the operations of the Patents, Designs, and Trade-marks Office for the year ended the 31st December, 1902.

The returns for 1902 show the greatest increase in business that has taken place in a single year, the number of applications being 1,871, or 23·8 per cent. more than in 1901. In that year, although the amount of business was greater than in any previous year, I was obliged to record a slight falling-off in the revenue. The opinion I then expressed that the revenue would recover itself in 1902 has been fully sustained, the amount received being £3,999 3s. 3d. This is an increase of £602 6s., or 17·7 per cent. over the fees received in 1900, hitherto the best year in this respect. The expenditure, which includes only the ordinary items, amounts to £1,344 17s. 1d., as against £1,205 15s. 2d. for the previous year, leaving a balance of £2,654 6s. 2d. The surplus last year was £2,160 17s. 2d., the increase is therefore £493 9s. When it is borne in mind that the Patent Office is not intended for revenue purposes, this result must be considered satisfactory.

It will be noticed on referring to Table A that out of a total expenditure of £1,344 17s. 1d. £501 6s. 9d. was in respect of work done by the Government Printing Office.

PATENTS.

The number of applications received was 1,431—317, or 28·4 per cent., more than in the previous year. In former years the number of applications filed with provisional specifications corresponded very closely with those filed with complete specifications, but last year the provisional specifications were greatly in excess, 911 applications being accompanied by provisional specifications and 520 by complete specifications. While it is gratifying to notice this increase, it should be remembered that a provisional specification as a rule only conveys a general idea of an invention, and until it is seen how many of these ideas are developed and embodied in complete specifications it cannot be ascertained whether the actual increase in invention in the colony is as great as the figures appear to indicate.

The number of complete specifications filed after provisional specifications was 205, as compared with 111 in 1901, an increase of 94. The number of patents issued and the renewal fees paid show an advance of 26 as regards the first, 544 as compared with 518; and as regards the renewal fees 172 for second-term fees, as compared with 143 for the previous year, and 45 third-term fees, as compared with 32 for 1901.

Of the remaining principal items increases will also be noticed in the cases in which extensions of time were applied for and granted for (1) lodging complete specifications after provisional specifications (20 and 16 in 1902, as compared with 13 and 10 in 1901), and (2) paying fees (20 and 20 in 1902, as compared with 19 and 17 in 1901); and in the searches made and copies supplied, the number of searches made being 340 in 1902, as compared with 284 in 1901, and the amount received for copying being £47 17s. 3d., as compared with £36 11s. 10d. for last year. A falling-off took place in the number of applications to amend specifications, 7 in 1902 as compared with 13 in 1901, and in the number of assignments and licenses registered and certificates granted, being 85 and 55 respectively in 1902, and 120 and 109 in 1901. The total fees received from patents amounted to £3,439 2s. 3d. In 1901 £2,929 13s. 10d. was received from this source, and the increase is therefore £509 8s. 5d.

Referring to the various classes of inventions, 10 applications were made in respect of advertising, as compared with 1 in 1901. Amusements increased from 27 to 45 (30 applications under this head being in respect of parlour games, as compared with 7 for the preceding year). Boilers (steam) were the subject of 24 applications, as compared with 13 in 1901. Spark-arresters and smoke-consumers, 18 in 1902, as compared with 8 in 1901. Under the heading of "Boots," 39 applications were received in 1902, and 24 in 1901, an increase of 15. It is interesting to note with regard to this subject that no less than 16 applications were made by one American company for boot-manufacturing machinery in 1902, and 5 in 1901. In connection with bottles and bottling, 34 applications were lodged in 1902, 16 more than in the previous year. Of these 34 applications, 14 were for non-refillable bottles, as compared with 4 in 1901. On referring to buildings I find a slight falling-off as regards windows and doors, 12 in 1902, as compared with 18 in 1901, and an increase in sash-fasteners, 14, as compared with 5. Closets—chiefly flushing-appliances—show an increase, 17 as compared with 6. Cooking-appliances (18) and kitchen utensils (16) show slight increases. Cultivating accounts for 35 applications, about the same number as in 1901. Seed-sowers, 19, as compared with 12 in 1901. Cutting and sawing appliances, 22, an increase of 8. Under dredging I find that there has been a good deal of activity, 41 applications having been made, as compared with 30 for last year. General electric and magnetic apparatus show a falling-off to 11 from 15 in 1901. Steam-engines, gas-engines, electric engines, and engine accessories form the subject of 16, 19, 14, and 10 applications, increases of 8, 13, 6, and 5 respectively on the figures for 1901. In firearms and explosives there is a decrease to 16 from 21 in 1901. Exterminating vermin, fencing, fibre-dressing, which some years ago were a prolific source of New Zealand inventions, account for 25, 30, and 8 applications respectively, as against 15, 16, and 5 in 1901. Fire alarms, escapes, and extinguishers show a reduction in the number of 14—23 in 1902, 37 in 1901. Under the heading "Food" 14 applications were recorded last year, an increase of 10 on the preceding year. Furniture, &c., shows a substantial increase to 50 from 17 in 1901. Gas-manufacture, a reduction to 14 from 24. Harness and heating show slight increases, 24 and 15 in 1902, as compared with 23 and 9 in 1901. Under "Illuminating," which includes burners and lamps, candlesticks, &c., 36 applications were made in 1902, as compared with 20 in 1901. Indicating, registering, &c., shows a reduction to 28 in 1902 from 38 in 1901. Lifting, hauling, 17 in 1902 and 16 in 1901; locks and latches, 10 in 1902 and 3 in 1901; ships' boats, &c., 25 in 1902 and 19 in 1901; marking, 10 in 1902 and 7 in 1901; medicines, 18 in 1902 and 15 in 1901, all show slight increases on the numbers for last year. Milking, churning, and the like amount to 32 in 1902, as compared with 29 in 1901; and there is a falling-off in the number of applications for inventions relating to the treatment of minerals, 72 in 1902 from 94 in 1901. Under the heading of "Preserving" 10 applications are recorded in 1902, 8 in excess of those in 1901, and slight increases occur in the cases of roads and ways, 10 in 1902 and 5 in 1901; telephony and telegraphy, 12 in 1902 and 7 in 1901; and sheep-shearing, 17 in 1902 and 7 in 1901. The inventions under the latter heading are chiefly in respect of improvements in hand-shears. Fewer applications were received in 1902 than in 1901 under the following headings: "Printing and Photography," 13 in 1902 and 19 in 1901; "Pumps and Sprayers," 7 in 1902 and 10 in 1901; "Railways, &c.," 28 in 1902 and 37 in 1901; "Stationery, &c.," 14 in 1902 and 18 in 1901; "Ventilating," 9 in 1902 and 10 in 1901. The number of applications recorded under the remaining headings show the following increases: "Tobacco, Pipes," 15 in 1902 from 3 in 1901; "Tools," 21 in 1902 from 11 in 1901; "Valves and Cocks," 13 in 1902 from 9 in 1901; "Vehicles (not including cycles)," 32 in 1902 from 23 in 1901; "Washing-appliances," 20 in 1902 from 7 in 1901; and "Wearing-apparel," 54 in 1902 from 27 in 1901. Applications in respect of bicycles, which have been falling steadily in numbers during the last few years, are still on the decline, dropping to 31 in 1902 from 39 in 1901.

It will be noticed that the increase in applications is almost wholly due to the number received from residents in the colony, who lodged 930 as compared with 658 in the preceding year, an increase of 272. The United Kingdom sent 117 (7 more than in the preceding year), the United States 129 (5 more than in 1901). The total number received from the Commonwealth was 215, as compared with 174 for last year, Victoria contributing 118, one more than Great Britain, and an advance on last year's figures of 47.

One petition for extension of the term of patent was granted during the year, a further period of seven years being allowed.

Eleven applications for letters patent were made under the International Convention.

One name was added to the register of patent agents.

Notice of opposition was lodged in 9 cases, and 4 hearings took place.

The system of granting letters patent adopted in this colony depends for its success very largely on the facilities offered to applicants for letters patents and the general public to become acquainted with inventions already patented, as well as with those in respect of which letters patent are being applied for. These facilities are, I am glad to say, being gradually extended, the latest step in this direction being the printing in the patents supplement to the *Gazette* of extracts from the drawings accompanying specifications. The "claims" or statement of the particular features sought to be protected, which have been printed in the supplement for some time past, will, with the drawings now inserted, enable a fair idea to be gathered of most of the specifications filed in the office. If further particulars are required, they can be obtained at the small cost of 3d. per folio of seventy-two words for copying specifications, and 1s. a sheet for sun-prints of the drawings.

The *New Zealand Patents Gazette* is now published on somewhat similar lines as the illustrated journal of the English Patent Office and the illustrated *Gazettes* of the Canadian and United States Patent Offices.

In addition to the *Gazettes*, the countries I have mentioned also print the full specification and drawings, and sell them at a low price. This is, no doubt, a great boon to the inventive and general public, but it is felt that the demand in this colony is not yet sufficient to justify the cost of such a step.

With the object of facilitating reference to the records filed at this office, a rearrangement of one set of the specifications and drawings is being effected. When this work, which, with the present staff, will take some time, is completed, any one will be able with the help of the indexes in each volume to turn up specifications and drawings in the least possible time, a great advantage alike both to the public and the staff of the office.

DESIGNS.

Thirty applications were received for registration of designs. The number, though small, is higher than that received in any previous year. Twenty-eight designs were registered—7 in class 1 (articles composed wholly or partly of metal), 4 in class 2 (jewellery), 5 in class 3 (articles composed wholly or partly of wood, bone, ivory, papier mache, or other solid substances), 1 in class 4 (articles composed wholly or partly of glass, earthenware, porcelain, bricks, tiles, or cement), 10 in class 5 (articles composed wholly or partly of paper), and 1 in class 12 (goods not included in other classes).

The total amount of fees received under this heading was £15 in 1902, as compared with £9 11s. in 1901.

TRADE-MARKS.

Four hundred and twelve applications were received for the registration of trade-marks, 33 more than in 1901; and 336 marks were registered, 84 more than in 1901. There is a slight falling-off in the number of assignments registered.

The fees, which are not properly due till end of this year, for renewal of trade-marks were paid in 36 cases in 1902, as compared with 7 in 1901; and 116 searches are recorded in 1902, as compared with 72 in 1901. The total fees received in respect of trade-marks amount to £528 13s. 6d. for the year, an increase of £120 3s. 6d. for 1901. In the principal classes there is an increase of 11 in the number of applications in respect of medicinal preparations, of 6 in respect of clothing, 12 in respect of articles of food, 18 in respect of fermented liquors and spirits, 5 in respect of candles, washing-preparations, &c., and 10 in respect of miscellaneous goods. Marks for animal and mineral substances used in manufactures show a falling-off of 6, tobacco a falling-off of 11, horological instruments a falling-off of 12, metal goods not included in other classes a falling-off of 4, engineering and building contrivances a falling-off of 5, explosive substances a falling-off of 3.

One hundred and ninety-eight applications were made by residents in the colony, 26 more than last year; 124 by United Kingdom, as compared with 117 for previous year; 51 were received from United States of America, as compared with 47 for previous year; 30 from New South Wales, as compared with 20 for previous year.

A further change has been made during the year in the practice of this office with regard to the class of trade-marks known as "invented words." In accordance with the decision of the English Courts it was formerly held that an invented word to be eligible for registration must not in any way be descriptive of the goods to which it is to be applied. The House of Lords, however, upset this view, holding that an invented word should not be debarred from registration because it contained an allusion to the goods, and the practice of this office was widened accordingly. The Supreme Court of New Zealand recently decided that certain words which did not appear to this office to come within the decision of the House of Lords were capable of registration, and this decision now governs the practice of the office.

For some years past this office has been engaged at odd moments in classifying trade-marks on somewhat the same lines now being adopted with regard to patent specifications—*i.e.*, in arranging the marks in their different classes, and copiously indexing each class. This work when completed will enable all the marks in a certain name or for a particular class of goods to be referred to in a few minutes, and will effect a very considerable saving in the time not only of the public who have occasion to refer to the records, but also to the staff of the office. Owing, however, to the great increase in the ordinary business of the office, the progress of this classification has been slow, and if, as appears so likely, the ordinary staff is not able to devote sufficient time to the work, other means of having it completed within a reasonable time should be adopted.

The Appendix hereto contains the following tables :—

- A. Balance-sheet of Income and Expenditure for the Year ended 31st December, 1902.
- B. Table showing Revenue and Expenditure for each of the Last Eight Years.
- C. Particulars of Fees received from the 1st January to the 31st December, 1902.
- D. Staff of Officers, and Salaries.
- E. Total Number of Applications for Patents, and Registration of Designs and Trade-marks, recorded for the Years 1890 to 1902 inclusive.
- F. Number of Provisional and Complete Specifications received, &c., under Act of 1889.
- 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.
- H. Number of Applications for Patents from Persons residing in New Zealand and other Colonies and Countries in each of the Years 1900, 1901, and 1902.
- I. Number of Applications for Registration of Trade-marks from Persons residing in New Zealand and other Colonies and Countries in each of the Years 1900, 1901, and 1902.
- J. Number of Applications to register Trade-marks, in the fifty different classes, in each of the Years 1900, 1901, and 1902.
- K. Alphabetical List of Applicants for Patents in the Year 1902.
- L. Alphabetical List of Titles of Inventions for which Letters Patent have been applied during the Year 1902.
- M. Alphabetical List of Applicants for Registration of Designs during the Year 1902.
- N. Alphabetical List of Applicants for Registration of Trade-marks during the Year 1902.

F. WALDEGRAVE, Registrar.

Patent Office, Wellington, 3rd April, 1903.

APPENDIX.

A.—BALANCE-SHEET of INCOME and EXPENDITURE for the Year ending 31st December, 1902.

<i>Income.</i>				<i>Expenditure.</i>			
	£	s.	d.		£	s.	d.
Patent fees	3,439	2	3	Salaries	634	17	1
Design fees	15	0	0	Clerical assistance	106	15	0
Trade-mark fees	528	13	6	Copying specifications	14	14	8
Sale of Gazettes, Acts, &c.	16	7	6	Fees to Patent Office Agents	45	2	6
				Printing Patents <i>Gazette</i> *	348	0	0
				Binding printed specifications, &c., presented to office by other countries*	67	5	6
				Other printing and binding*	73	8	8
				Stationery	12	12	7
				Telephone	7	0	0
				Fees refunded	21	10	0
				Incidental expenses	13	11	1
				Balance for the year	2,654	6	2
	<u>£3,999</u>	<u>3</u>	<u>3</u>		<u>£3,999</u>	<u>3</u>	<u>3</u>

* Printing and binding done by Government Printing Office.

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.
1895 ..	2,170	9	6	464	15	8	1,705 13 10	1899 ..	3,102	2	6	851	2	6	2,251 0 0
1896 ..	2,583	0	6	564	6	10	2,018 13 8	1900 ..	3,396	17	3	1,027	5	8	2,369 11 7
1897 ..	3,183	9	0	574	15	2	2,608 13 10	1901 ..	3,866	12	4	1,205	15	2	2,160 17 2
1898 ..	2,824	9	0	623	1	11	2,201 7 1	1902 ..	3,999	3	3	1,344	17	1	2,654 6 2

NOTE.—Printing, binding, and other items now debited to the office were not in former years brought to charge.

C.—PARTICULARS of FEES received from the 1st JANUARY to the 31st DECEMBER, 1902.

	Number.	Fees. — Each.	Amount received.
PATENTS.			
Applications for patents with provisional specifications	911	£ s. 0 10	£ s. d. 455 10 0
Applications for patents with complete specifications	520	0 10	260 0 0
Complete specifications left after provisional specifications	205	0 10	102 10 0
Applications to amend specifications	7	1 0	7 0 0
Issue of letters patent	544	2 0	1,088 0 0
Renewal fees before end of fourth year from date of patent	172	5 0	860 0 0
Renewal fees before end of seventh year from date of patent	45	10 0	450 0 0
Notices of opposition	9	0 10	4 10 0
Hearing objections	4	2 0	8 0 0
Applications for enlargement of time for deposit of complete specifications	20	0 10	10 0 0
On grant of such enlargement	16	1 0	16 0 0
Applications for enlargement of time for payment of fees	20	0 10	10 0 0
On grant of such enlargement	20	1 0	20 0 0
Notices of appeal to Supreme Court against decisions of Registrar	4	1 0	4 0 0
Searches	340	0 1	17 0 0
Registration of assignments and licenses	85	0 10	42 10 0
Certificates of such registration	55	0 10	27 10 0
Copies of specifications and drawings	..	..	47 17 3
Certifying copies	8	0 1	0 8 0
Correction of clerical errors in specifications, &c.	8	0 5	2 0 0
Registration of Patent Agent	1	1 1	1 1 0
Miscellaneous	..	..	5 6 0
			£3,439 2 3
DESIGNS.			
Applications for registration of designs	30	0 10	£15 0 0
TRADE-MARKS.			
Applications for registration of trade-marks	412	0 5	103 0 0
Registration of trade-marks	336	1 0	336 0 0
Registration of assignments	..	£1 & 2s.	25 10 0
Certificates of such registration	29	0 5	7 5 0
Notices of opposition	7	1 0	7 0 0
Cancellation of trade-mark	1	0 5	0 5 0
Certificate for use in legal proceedings	1	0 10	0 10 0
Renewal of registration	36	1 0	36 0 0
Copies and duplicate certificates	..	..	0 16 6
Searches	116	0 1	5 16 0
Advertisements: Cost of extra space in <i>Gazette</i>	..	..	6 11 0
			£528 13 6

D.—STAFF of OFFICERS, and SALARIES.

	£	s.	d.
Registrar*	Nil.		
Deputy Registrar	260	0	0
Clerk	Vacant.		
Clerk	130	0	0
Cadet	65	0	0
Messenger	150	0	0
Office-cleaner	11	14	0
* Also Under-Secretary for Justice.			
	£616	14	0

E.—TOTAL NUMBER of APPLICATIONS for PATENTS, and REGISTRATION of DESIGNS and TRADE MARKS, recorded for the Years 1890 to 1902 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

F.—NUMBER of PROVISIONAL and COMPLETE SPECIFICATIONS RECEIVED, &c., under Act of 1889.

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	*	*	*	*	1,114
1902	163	357	767	144	*	*	*	*	*	*	1,431

* 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 Letters Patent granted.	Number of Patents on which Second-term Fee paid.	Number of Patents on which Final Fee paid.
1890	614	364	80	37
1891	589	348	78	23
1892	606	326	84	37
1893	625	333	99	47
1894	756	349	88	31
1895	816	362	113	45
1896	992	478	118	...
1897	1,093	517	136	...
1898	1,021	504	138	...

H.—NUMBER of APPLICATIONS for PATENTS from Persons residing in New Zealand and other Colonies and Countries in each of the Years 1900, 1901, and 1902.

	1900.	1901.	1902.		1900.	1901.	1902.
New Zealand	602	658	930	Norway	1	2	3
Argentine Republic	..	1	1	Queensland	17	8	5
Austria	..	4	3	Rhodesia	..	..	1
Canada	9	9	11	Russia	1	..	..
Cape Colony	..	1	2	South African Republic	..	..	1
Ceylon	..	..	1	South Australia	11	13	13
Denmark	7	3	2	Sweden	4	5	1
Finland	..	2	1	Switzerland	3	1	2
France	9	8	8	Tasmania	6	4	5
Germany	5	13	8	Transvaal	..	..	1
Holland	..	1	..	United Kingdom	120	110	117
India	1	..	..	United States	88	124	129
Italy	1	2	1	Victoria	70	71	118
New South Wales	52	68	69	Western Australia	5	10	5

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

I.—NUMBER of APPLICATIONS for REGISTRATION of TRADE MARKS from Persons residing in New Zealand and other Colonies and Countries in each of the Years 1900, 1901, and 1902.

	1900.	1901.	1902.		1900.	1901.	1902.
New Zealand	167	172	198	New South Wales	39	20	30
Belgium	1	1	1	Philippine Islands	..	..	1
Canada	..	2	1	Queensland	1	1	2
Ceylon	1	..	..	South Australia	1	2	5
Cuba	..	10	..	Sweden	3	1	..
Denmark	..	1	1	Tasmania	1	2	..
France	3	..	1	United Kingdom	95	117	124
Germany	7	2	2	United States	12	47	51
Holland	..	1	2	Victoria	29	21	23
India	1	..	1	Western Australia	..	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.

J.—NUMBER of APPLICATIONS to register TRADE MARKS in the Fifty different Classes, in each of the Years 1900, 1901, and 1902.

Classes.	Classification of Goods.	1900.	1901.	1902.
1	Chemical substances used in manufactures, photography, or philosophical research, and anti-corrosives	9	10	12
2	Chemical substances used for agricultural, horticultural, veterinary, and sanitary purposes	19	9	11
3	Chemical substances prepared for use in medicine and pharmacy	34	35	46
4	Raw or partly-prepared vegetable, animal, and mineral substances used in manufactures not included in other classes	1	7	1
5	Unwrought and partly-wrought metals used in manufacture	3	8	8
6	Machinery of all kinds, and parts of machinery, except agricultural and horticultural machines included in Class 7	6	7	4
7	Agricultural and horticultural machinery, and parts of such machinery	5	4	3
8	Philosophical instruments, scientific instruments, and apparatus for useful purposes; instruments and apparatus for teaching	1	..	4
9	Musical instruments	6	4	1
10	Horological instruments	..	12	..
11	Instruments, apparatus, and contrivances, not medicated, for surgical or curative purposes, or in relation to the health of men or animals	..	2	..
12	Cutlery and edge-tools	2	3	..
13	Metal goods not included in other classes	12	12	8
14	Goods of precious metals (including aluminium, nickel, Britannia-metal, &c.) and jewellery, and imitations of such goods and jewellery	..	2	..
15	Glass	..	1	1
16	Porcelain and earthenware	3	..	..
17	Manufactures from mineral and other substances for building or decoration	1	3	3
18	Engineering, architectural, and building contrivances	3	9	4
19	Arms, ammunition, and stores not included in Class 20	1	..	1
20	Explosive substances	..	7	4
21	Naval architectural contrivances and naval equipments	..	..	..
22	Carriages	7	12	5
23	Cotton yarn and thread	..	1	6
24	Cotton piece-goods of all kinds	1	2	3
25	Cotton goods not included in Classes 23, 24, and 38	1	2	1
26	Linen and hemp yarn and thread	..	..	..
27	Linen and hemp piece-goods	..	1	..
28	Linen and hemp goods not included in Classes 26, 27, and 50	..	1	..
29	Jute yarns and tissues, and other articles made of jute not included in Class 50	..	..	..
30	Silk, spun, thrown, or sewing	..	2	..
31	Silk piece-goods	..	..	..
32	Other silk goods not included in Classes 30 and 31	..	..	..
33	Yarns of wool, worsted, or hair	..	..	..
34	Cloth and stuffs of wool, worsted, or hair	..	2	1
35	Woollen and worsted and hair goods not included in Classes 33 and 34	..	..	..
36	Carpets, floorcloth, and oilcloth	..	..	..
37	Leather, skins, unwrought and wrought, and articles made of leather not included in other classes	1	4	8
38	Articles of clothing	7	25	31
39	Paper (except paperhangings), stationery, and bookbinding	1	6	14
40	Goods manufactured from indiarubber and guttapercha not included in other classes	3	3	9
41	Furniture and upholstery	..	..	..
42	Substances used as food or ingredients in food	83	85	97
43	Fermented liquors and spirits	23	10	28
44	Mineral and aerated waters, natural and artificial, including ginger-beer	4	4	5
45	Tobacco, whether manufactured or unmanufactured	34	35	24
46	Seeds for agricultural or horticultural purposes	..	..	..
47	Candles, common soap, detergents; illuminating, heating, or lubricating oils; matches; and starch, blue, and other preparations for laundry purposes	46	20	25
48	Perfumery (including toilet articles), preparations for the teeth and hair, and perfumed soap	15	7	10
49	Games of all kinds, and sporting articles not included in other classes	..	5	7
50	Miscellaneous	16	17	27

K.—ALPHABETICAL LIST OF APPLICANTS FOR PATENTS IN THE YEAR 1902.

[* Denotes a prior date under section 106 of "The Patents, Designs, and Trade-marks Act, 1889."]

Name, Residence, and Invention.	No.	Date.
Adams, R. N., Dunedin, N.Z. Fastener for umbrella	15789	16 Dec.
Adamson, L., Waihao Forks, N.Z. Perambulator	15478	6 Oct.
Adamson, L., Waihao Forks, N.Z. Collecting rain-water	15657	20 Nov.
Adcock, G., Christchurch, N.Z. Milk-strainer	15506	13 Oct.
Ainsworth, J., Bolivia, N.S.W. (See A. M. White, No. 14827.)		
Airey, G. H., Paris, France. Loading vessels	15609	6 Nov.
Aitken, W., Oamaru, N.Z. Water-wheel	15080	1 July.
Alcock, H. U., Melbourne, Vic. Convertible billiard and dining table	15259	12 Aug.
Alcock, H. U., Melbourne, Vic. Settee and billiard-table	15373	6 Sept.
Alexander, H. A., Ormondville, N.Z. Extracting gum from <i>Phormium tenax</i>	14496	27 Jan.
Alexe, F., London, Eng. Barrel	15345	3 Sept.
Allan, H., Newmarket, N.Z. Safety-tap	14579	3 March.
Allgemeine Beleuchtungs und Heiz-Industrie Actien-Gesellschaft, Berlin, Germany. Incandescent gas-lamp. (P. Lucas)	14759	17 April.
Allinson, J. T., and another, Warragul, Vic. Puttie-legging	14788	24 April.
Allison, J., and others, Wanganui, N.Z. Tent	14603	10 March.
Allison, J., and others, Wanganui, N.Z. Tobacco-pipe	14774	19 April.
Allman, G., Wellington, N.Z. Signalling state of tide	15611	6 Nov.
Ailman, G., and others, Wellington, N.Z. Signalling state of tide	15776	17 Dec.
Allnutt, G. T., and another, Cheltenham, Vic. Butter-cutting machine	14980	10 June.
American Amalgamating Company, Boston, U.S.A. Amalgamating metals. (P. A. Knapp)	15152	23 July.
American Machine Telephone Company (Limited), Brantford, Canada. Telephone exchange. (G. W. Lorimer)	14550	21 Feb.
American Mineral-water Machine Company, New York, U.S.A. Making aerated beverages. (P. E. Malmstrom)	14804	29 April.
American Tobacco Company, New York, U.S.A. Cigarette-wrapper and mouthpiece machine. (S. D. S. and S. S. D. Rakowitzky)	15071	2 July.
American Tobacco Company, New York, U.S.A. Machine for inserting cotton in cigarette-tubes. (S. D. S. Rakowitzky)	15072	2 July.
American Tobacco Company, New York, U.S.A. Machine for forming cigarette-tubes. (K. Harnisch)	15073	2 July.
American Tobacco Company, New York, U.S.A. Sealed can. (W. I. Tuttle)	15246	14 Aug.
American Tobacco Company, New York, U.S.A. Cigarette-machine. (J. Wojciechowski)	15603	5 Nov.
Amesbury, D. E., Feilding, N.Z. Caster	14397	4 Jan.
Amesbury, D. E., Feilding, N.Z. Caster	14691	1 April.
Amos, F. J., and another, Christchurch, N.Z. Cycle-propelling mechanism	15433	23 Sept.
Amos, F. J., and others, Christchurch, N.Z. Sustaining air-pressure in tires	15567	28 Oct.
Andersen, C. A. E., Valby, Denmark. Centrifugal separator	14775	18 April.
Anderson, J., Gisborne, N.Z. Plough	15170	25 July.
Anderson, J., Christchurch, N.Z. Trueing up surface of flax-stripper drum	15185	29 July.
Anderson, J., Dunedin, N.Z. Printing-roller	15486	4 Oct.
Anderson, J. H., London, Eng. Golf-practice apparatus	14706	3 April.
Anderson, J. T. N., Dunedin, N.Z. Sewage-treating tank	15679	22 Nov.
Anderson, J. T. N., Dunedin, N.Z. Water-filter	15756	11 Dec.
Anderson, T., and another, New Plymouth, N.Z. Horse-cover fastening	15766	15 Dec.
Andersson, C. O., Wellington, N.Z. Saw-set	15115	14 July.
Andrew, N., and another, Wanganui, N.Z. Utilising exhaust of gas-engine	15339	1 Sept.
Andrewartha, J., and another, Moonta, S. Aust. (See H. V. McKay, No. 14746.)		
Andrewartha, J., and another, Moonta, S. Aust. (See H. V. McKay, No. 14746.)		
Andrews, W., Christchurch, N.Z. Bag-gripping apparatus	14801	28 April.
Angus, E. A., Moonee Ponds, Vic. Railway-signalling	14406	8 Jan.
Anscombe, H., and another, Dunedin, N.Z. Water-sprinkling cart	15473	30 Sept.
Anstice, H., Levin, N.Z. Fastening for tail-board of cart	15754	12 Dec.
Archer, J., Manchester, Eng. Variable gear for motors	14916	21 May.
Arlidge, W. B., Wellington, N.Z. Feeding flax to a scutcher	14923	26 May.
Armour, J. M., Dunedin, N.Z. Chair and step-ladder	15067	28 June.
Armour, J. M., Dunedin, N.Z. Combined chair, step-ladder, desk, and table	15287	20 Aug.
Armour, J. M., Dunedin, N.Z. Making chairs, &c., collapsible	15304	23 Aug.
Armstrong, J., Auckland, N.Z. Securing cords to sashes	15449	26 Sept.
Armstrong, Sir W. G., Whitworth, and Co. (Limited), Newcastle-on-Tyne, Eng. Shipping coal. (R. Wright)	15139	17 July.
Arndt, A., Sydney, N.S.W. (See J. Chambers and Son, Limited, No. 14670.)		
Arragon, M., Adelong, N.S.W. Heating buildings	15436	24 Sept.
Arthur, E. B., Wellington, N.Z. Coal-scuttle	15126	17 July.
Arthur, E. B., Wellington, N.Z. Pie-dish	15127	17 July.
Arthur, J., jun., Orepuki, N.Z. Shovel	15810	23 Dec.
Arthur, J. W., Te Tua, N.Z. Poisoning grain	15549	16 Oct.
Arthur, R., Auckland, N.Z. Discharging products of combustion	14669	22 March.
Ashton, W. J., and others, Dunedin, N.Z. Leggings	14506	7 Feb.
Ashworth, H., Wellington, N.Z. Street-watering	15772	17 Dec.
Aston, V. S., Gisborne, N.Z. Extracting gum from fibre	14718	4 April.
Atkin, W. H., Auckland, N.Z. Smoke-consumer, &c.	15219	2 Aug.
August, H., Invercargill, N.Z. Closet-seat	14680	25 March.
August, H., Invercargill, N.Z. Closet-seat lid	15142	22 July.
August, H., Invercargill, N.Z. Water-closet	15294	21 Aug.
Auldjo, L. C., Sydney, N.S.W. Air or gas compressor	14753	17 April.
Auldjo, L. C., Sydney, N.S.W. Steam-boiler	15102	10 July.
Aussel, F. H., Wellington, N.Z. Underframe of vehicle	14780	22 April.
Aussel, F. H., Wellington, N.Z. Leg-holder for cows	14826	3 May.
Aussel, F. H., Wellington, N.Z. Transporting milk	14981	10 June.
Austin, H., and others, Birmingham, Eng. Wool-cutting machine	15644	19 Nov.
Austin, J., Petone, N.Z. Means for locking nuts	14969	6 June.
Austin, J. J., Auckland, N.Z. Woven-wire mattress	14679	1 April.
Austin, J. J., Auckland, N.Z. Water-tank	15171	25 July.
Australian Manufacturing and Importing Company, Christchurch, N.Z. Standard for ping-pong. (J. Clegg)	14725	8 April.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS IN THE YEAR 1902—continued.

Name, Residence, and Invention.	No.	Date.
Automatic Aerator Patents (Limited), London, Eng. Aeration and boiling of liquids. (F. G. Hampson)	15134	16 July.
Ayson, A. R., Mosgiel, N.Z. Adjustable receptacle-handle	15110	11 July.
Ayson, R. W., Kaihiku, N.Z. Drill for seed-sowing	15723	2 Dec.
Ayson, W. S., Wyndham, N.Z. Washing-board	14970	7 June.
Ayson, W. S., Wyndham, N.Z. Spreader for draught-chain	15190	29 July.
Babcock and Wilcox (Limited), London, Eng. (See J. Chambers and Son, Limited, Nos. 14670-1, 2.)		
Baertl, F., Zurich, Switzerland. Pressure-regulator for gas-burner	15645	19 Nov.
Bain, W., Christchurch, N.Z. Castor	15764	15 Dec.
Baird, J., Auckland, N.Z. Spark-arrester	15638	15 Nov.
Baker, J., and another, Auckland, N.Z. Acetylene-generator	15616	7 Nov.
Baker, T., Melbourne, Vic. Packing chemicals	15699	26 Nov.
Baldwin, E. S., and another, Wellington, N.Z. Gold-dredging machinery	14463	22 Jan.
Baldwin, E. S., and another, Wellington, N.Z. Distributing sewage on to filter-beds. (G. E. Ridgway)	15417	18 Sept.
Baldwin, E. S., and another, Wellington, N.Z. Self-flushing time-valve. (G. E. Ridgway)	15418	18 Sept.
Baldwin, E. S., and another, Wellington, N.Z. Extracting zinc from ores. (G. D. Delprat)	15681	26 Nov.
Baldwin, E. S., and another, Wellington, N.Z. Extracting sulphide from their ores. (G. D. Delprat)	15687	27 Nov.
Baldwin, T. M., and another, Dunedin, N.Z. Creating and circulating cold air	14502	4 Feb.
Baldwin, T. M., Dunedin, N.Z. Gold-saving apparatus	14505	6 Feb.
Ballin, H. J., Christchurch, N.Z. Manufacture of aerated waters. (E. P. Coulter)	15555	25 Oct.
Ballinger, T., Wellington, N.Z. Skylight	14491	3 Feb.
Ballinger, T., Wellington, N.Z. Skylight	14604	11 March.
Ballinger, T., Wellington, N.Z. Earth closet	15445	25 Sept.
Baltzer, W. J., Sydney, N.S.W. Reinforcement of plastic material	14900	22 May.
Bamber, M. K., and another, Colombo, Ceylon. Obtaining extract of tea	15664	18 Nov.
Bamberg, G., London, Eng. Detergents	15045	27 June.
Bamford, C. E., Hautapu, N.Z. Means for preventing children falling out of bed	14451	20 Jan.
Band, A. S., Sydney, N.S.W. Clip for securing wires of fences	15013	19 June.
Band, H. F., Sydney, N.S.W. Farm and stock gate	14990	12 June.
Banks, H., Wellington, N.Z. Table-cricket	15477	6 Oct.
Bannister, J., and another, Auckland, N.Z. Lock	15183	24 July.
Bardwell, A. F., Springfield, U.S.A. (See F. A. Bardwell, No. 14791.)		
Bardwell, F. A., Boston, U.S.A. Voting-machine. (A. F. Bardwell)	14791	24 April.
Barnard, A. W. A., and another, Dunedin, N.Z. Secateur	15200	30 July.
Barney, G., Waitohi Flat, Temuka, N.Z. Plough	14508	10 Feb.
Barningham, S., and others, Dunedin, N.Z. Fire-escape ladder	15146	19 July.
Baron Cigarette-machine Company (Limited), London, Eng. (See W. E. Hughes, No. 14733.)		
Baron, L. B., and another, London, Eng. (See W. E. Hughes, No. 14733.)		
Baron, L. B., London, Eng. Manufacturing cigarettes	14811	1 May.
Barrett, R., Adelaide, S. Aust. Venetian-blind	15523	16 Oct.
Bartle, W. M., Napier, N.Z. Water-closet flush-conductor	14468	22 Jan.
Bartle, W. M., Napier, N.Z. Flushing water-closets	14625	14 March.
Barton, E. L., Hawera, N.Z. Electric conductor	15804	23 Dec.
Barton, G. F., New York, U.S.A. (See Barwest Coaster-brake Company, No. 14437.)		
Barton, W., Featherston, N.Z. Delivering milk into cans	15460	1 Oct.
Barwest Coaster-brake Company, New York, U.S.A. Driving and braking mechanism. (G. F. Barton)	14437	16 Jan.
Bary, de. (See under D.)		
Baseman, E., and another, Macedon, U.S.A. (See Bickford and Huffman Company, No. 15683.)		
Basley, G. W., Auckland, N.Z. Electric belt. (M. A. McLaughlin)	15001	11 June.
Basley, G. W., Auckland, N.Z. Cash-carrier railway. (M. S. Giles)	15547	20 Oct.
Basley, G. W., Auckland, N.Z. Motion-transmitting mechanism. (H. Smith)	15724	1 Dec.
Bate, M., Auckland, N.Z. Gold extractor and separator	15405	13 Sept.
Bates, J., and another, North Melbourne, Vic. Washing copper	15692	27 Nov.
Baux, H., Auckland, N.Z. Heating water	15524	14 Oct.
Bayley, C. H., Boston, U.S.A. (See United Shoe Machinery Company, No. 15204.)		
Beal, L. O., Dunedin, N.Z. Range-finding and sighting appliance	14787	19 April.
Beale, C., London, Eng. Food-preservative	15212	2 Aug.
Beamish, W., Cromwell, N.Z. Sling and shackle	15507	11 Oct.
Beamish, W., Cromwell, N.Z. Sack-mouth fastener	15508	11 Oct.
Beamish, W., Cromwell, N.Z. Boot-fastener	15533	16 Oct.
Beamish, W., Cromwell, N.Z. Dredge-bucket links	15544	21 Oct.
Beamish, W., Cromwell, N.Z. Carrying a running line over a standing line	15630	11 Nov.
Beamish, W., Cromwell, N.Z. Oil-feeding can	15631	11 Nov.
Beamish, W., Cromwell, N.Z. Trouser-clip	15668	19 Nov.
Beamish, W., Cromwell, N.Z. Sack-mouth fastener	15669	19 Nov.
Beamish, W., Cromwell, N.Z. Button-hole	15797	19 Dec.
Beaumont, G., Kaikorai, Dunedin, N.Z. Securing bradawl to handle	15257	12 Aug.
Bedford, J., and another, Puriri, N.Z. Windmill	14541	20 Feb.
Bedford, R. H., Auckland, N.Z. Fire-alarm	15017	17 June.
Bell, G. W., Sydney, N.S.W. Road-sweeper	15397	13 Sept.
Bell, H. R., Lyttelton, N.Z. Bottle and stopper	14743	15 April.
Bell, J. H., and another, Thornbury, N.Z. Buckle	15258	12 Aug.
Bell, J. R., and another, Groper's Bush, N.Z. Lifting-jack	15760	15 Dec.
Bellett, J., and another, Melbourne, Vic. Lock-nut plate	15623	13 Nov.
Benham, E., and another, Wanganui, N.Z. Match-striker	14442	17 Jan.
Benkel, B., London, Eng. Cigar-holder	14503	7 Feb.
Benson, J., Hedgehope, N.Z. Combined collar and hames	15366	3 Sept.
Bergersen, C. A., Palmerston North, N.Z. Wire-strainer	15406	16 Sept.
Berry, G. W., Melbourne, Vic. Soldering seams of can-bodies	14933	23 May.
Bertinslaw, G. J., Wellington, N.Z. Ratchet nut-lock	15055	30 June.
Best, J. F., and another, Christchurch, N.Z. Cycle-driving mechanism	14799	26 April.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS IN THE YEAR 1902—continued.

Name, Residence, and Invention.	No.	Date.
Bickford and Huffman Company, New York, U.S.A. Furrow-opener. (J. S. Heath and E. Baseman)	15683	26 Nov.
Bidstrup, N., Broadford, Vic. Fluid-register	14540	19 Feb.
Bigelow, G. H., Auckland, N.Z. Hair-pin	14532	14 Feb.
Bigelow, G. H., Auckland, N.Z. Hair-pin	14539	15 Feb.
Bigelow, G. H., and another, Auckland, N.Z. Nut-lock	14626	12 March.
Bigelow, G. H., Auckland, N.Z. Hair-pin	14818	28 April.
Bigelow, G. H., Auckland, N.Z. Button-holes	14844	1 May.
Bigelow, G. H., Auckland, N.Z. Nut-lock	14845	1 May.
Bilin, C. E., Chicago, U.S.A. Stamp-mill. (W. S. McKinney)	14728	10 April.
Bills, C., Dunedin, N.Z. Bottleholder	15020	17 June.
Bills, C., Dunedin, N.Z. Device for picking up balls	15058	27 June.
Bingham, E. G. H., and another, Broomwood, Eng. Magazine-gun	14405	8 Jan.
Bizet, L. J., Paris, France. Receptacle for liquids under pressure	15043	27 June.
Bjornstad, M., and another, Auckland, N.Z. Medicated sweetmeat	15808	20 Dec.
Black, J., and others, Nelson, N.Z. Hot-house	14435	15 Jan.
Black, R. S., Dunedin, N.Z. Animal-trap	15487	3 Oct.
Blanchard, A., London, Eng. (See E. Waters, jun., No. 15718.)		
Bland, H., Sydney, N.S.W. Elastic-fluid compression	15581	31 Oct.
Blanks, G. W., Sydney, N.S.W. Hydraulic duplex oil-brake	15352	4 Sept.
Boardman, G., and another, Sydney, N.S.W. Flushing-cistern	15694	27 Nov.
Bohm, E., London, Eng. Globe	15076	3 July.
Bomford, J., and others, Wellington, N.Z. Broom-handle	15594	4 Nov.
Bonham, J. S. C., Richmond, Vic. Pump	14467	24 Jan.
Bonnaud, J. B. G., Dover, Eng. Nitro-cellulose compound	14642	20 March.
Bonnington, F., Tinwald, N.Z. Damper-regulator	15025	23 June.
Booth, H. C., London, Eng. (See Vacuum Cleaner Company, Limited, No. 15150.)		
Boreham, J., Kurow, N.Z. (See J. A. Boreham, No. 15553.)		
Boreham, J. A., Dunedin, N.Z. Sheep-shears. (J. Boreham)	15553	23 Oct.
Borlase, W., Dunedin, N.Z. Wire-strainer	14443	15 Jan.
Borlase, W., Dunedin, N.Z. Pot-cleaner	14517	10 Feb.
Borlase, W., Dunedin, N.Z. Wire-tightener	14876	10 May.
Borlase, W., Dunedin, N.Z. Hat-fastener	14967	4 June.
Borlase, W., and another, Dunedin, N.Z. Spring-hook	14998	9 June.
Borlase, W., and another, Dunedin, N.Z. Wrench	14999	9 June.
Borlase, W., Dunedin, N.Z. Shear-regulator	15172	22 July.
Borlase, W., Dunedin, N.Z. Tongs	15488	3 Oct.
Borlase, W., Dunedin, N.Z. Animal-trap	15735	6 Dec.
Born, A., Glasgow, Scotland. Removing oil, &c., from wool, &c.	14989	12 June.
Börs, O., Trundle, N.S.W. Sheep-shears	15420	19 Sept.
Botting, W. J., Shannon, N.Z. Destroying blight	15538	22 Oct.
Bowick, W. H., Hunterville, N.Z. Rubber heel and sole	15137	18 July.
Bowles, E., Hukanui, N.Z. Colander and cooking-utensil	14557	24 Feb.
Bowman, O., and others, Perth, W.A. Cleaning tram-rails	14863	9 May.
Bowmar, E., Gore, N.Z. Canister for sowing seeds	15604	5 Nov.
Bowring, J. C., Sydney, N.S.W. Spark-arrester	15715	4 Dec.
Boxall, R., and another, Brisbane, Queensland. Butter-printing machine	15543	23 Oct.
Boyd, J. A., Wellington, N.Z. Knife-cleaner	15729	8 Dec.
Boyens, W. H., Kaikoura, N.Z. Pump for drawing off liquids	14396	3 Jan.
Boyens, W. H., Kaikoura, N.Z. Force-pump	15242	11 Aug.
Bradbury, S. W., Cape Town, Cape Colony. Wire-strainer	14431	14 Jan.
Bradshaw, R. F., and another, Boulder, W.A. High-pressure tap for filter-press	15769	17 Dec.
Brady, W., San Francisco, U.S.A. Rock-drill	15329	26 Aug.
Brain, E., and another, Auckland, N.Z. Using heavy oils in gas-engine	15323	26 Aug.
Brain, W. B., and another, Auckland, N.Z. Using heavy oils in gas-engine	15323	26 Aug.
Braithwaite, J. H., Barnsley, Eng. Variable speed-gearing for velocipedes, &c.	15770	17 Dec.
Biassell, H. P., Alfredton, N.Z. Breaking or controlling vehicles	14602	10 March.
Brasting, J., Christchurch, N.Z. Implement for breaking up ground	15364	5 Sept.
Bremer, H., Neheim-on-the-Ruhr, Germany. (See J. P. Campbell, No. 15786.)		
Brent, C. D., Cromwell, N.Z. Boot-fastening	15018	20 June.
Brett, R. D., and another, London, England. Smoke-consumer	15229	7 Aug.
Briant, L., and another, London, Eng. (See the Conversion Company (Billing's Machinery and Process), Limited, No. 14720.)		
Bridges, C. L., Wanganui, N.Z. Incubator	15476	6 Oct.
Bridgman, A. O., Dunedin, N.Z. Mat-fastener	14922	30 April.
Bristow, C., Addington, N.Z. Hat-fastener	14534	15 Feb.
Bristow, C., Addington, N.Z. Stretching trousers	14805	29 April.
Brodie, P. S., Invercargill, N.Z. Horse-cover fastening	14896	16 May.
Bromhead, S. S., and another, London, Eng. Reproducing and transmitting sound	14572	3 March.
Broome, T. J., and another, Wellington, N.Z. Water-proofing composition	14440	17 Jan.
Broome, T. J., and others, Wellington, N.Z. Compressed fuel	14651	20 March.
Brophy, C. M., Upper Manilla, N.S.W. Measuring skirts	15392	10 Sept.
Brown, F. C., and another, Komata, N.Z. Vessel for treating ores	14883	12 May.
Brown, G. F., Hurstville, N.S.W. Tire-covering	15615	7 Nov.
Brown, J. H. S., Woodville, N.Z. Siphon	14678	27 March.
Brown, J. H. S., Pahiatua, N.Z. Siphon	14838	5 May.
Brown, J. H. S., Auckland, N.Z. Heating fluids	15141	22 July.
Brown, J. H. S., Auckland, N.Z. Combined cigarette and match box	15663	18 Nov.
Brown, J. H. S., Auckland, N.Z. Window-lock	15696	25 Nov.
Brown, J. P., Christchurch, N.Z. Button	15088	7 July.
Brown, P. J., Little Kyeburn, N.Z. Closing leaks in gum-boots, &c.	15135	16 July.
Brown, T. H., Wellington, N.Z. Artificial fuel	14400	6 Jan.
Brown, T. H., and another, Wellington, N.Z. Branding-fluid	14668	24 March.
Brown, T. H., and another, Wellington, N.Z. Branding-fluid	14694	3 April.
Brownley, A. H., and another, Onehunga, N.Z. Securing buttons to garments	14856	8 May.
Brownley, A. H., Onehunga, N.Z. Hanging pictures	14878	15 May.
Brownley, A. H., Onehunga, N.Z. Advertising parcel-grip	15570	30 Oct.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS IN THE YEAR 1902—*continued*.

Name, Residence, and Invention.	No.	Date.
Brummer, D., Vienna, Austria. Portable building	15651	23 Nov., '01†
Brundell, H. J., Dunedin, N.Z. Wire mattress	15452	26 Sept.
Brunt, J. R., and another, Christchurch, N.Z. Pneumatic tire	14408	8 Jan.
Buckingham, W., Sydney, N.S.W. Annular-chamber type of rotary engine	15044	27 June.
Buckland, A., Auckland, N.Z. Door-fastener	14737	9 April.
Buff, H. W., Säge, Switzerland. Coverings for the feet	14735	9 April.
Buhlmann, G., Berlin, Germany. Incandescent mantle	15160	24 July.
Burdett-Stuart, F. A., Chertsey, N.Z. Bird-trap	15595	4 Nov.
Burge, J., Warragul, Vic. Rug for cows, &c.	15624	13 Nov.
Burton, H., Sheffield, Eng. Sheep shears	15122	17 July.
Burton, H., Sheffield, Eng. Sheep-shears	15682	26 Nov.
Burman, E. S., Caulfield, Vic. Canning butter	15456	1 Oct.
Burns, J., Christchurch, N.Z. Standard for table-tennis	14915	23 May.
Burpee, F. W., and another, Vancouver, B.C. (See H. Peck, Nos. 14544, 14762, 14763, and 14764.)		
Burrell, T., and another, North Melbourne, Vic. Detachable boot-sole	15279	21 Aug.
Burrell, W., and another, Melbourne, Vic. Packing rabbits	14466	24 Jan.
Burren, G., Wellington, N.Z. Tip-dray	15455	30 Sept.
Burt, A., jun., Dunedin, N.Z. Flushing-tank	15562	25 Oct.
Butler, A., Taralga, N.S.W. Fly-trap	15015	19 June.
Butler, F. J. J., and another, Thornbury, N.Z. Buckle	15258	12 Aug.
Cahoone, E. R., Newark, U.S.A. Stove	14956	5 June.
Caldwell, R., Auckland, N.Z. Flap-attachment to wheels	14941	28 May.
Callaghan, J., and another, Sydney, N.S.W. (See Mutual Benefit Bonus Company, Limited, No. 14580.)		
Callaghan, J. T., and another, Sydney, N.S.W. (See Mutual Benefit Bonus Company, Limited, No. 14580.)		
Cameron, E. A., Queenstown, N.Z. Spark-arrester	15019	16 June.
Campbell, A., Sutton, N.Z. Animal-trap	15791	16 Dec.
Campbell, A. A., North Sydney, N.S.W. Water-heater	15391	10 Sept.
Campbell, H. F., Boston, U.S.A. (See International Ore-separating Company, No. 15099.)		
Campbell, H. W., Invercargill, N.Z. Removable stove-flue	15216	1 Aug.
Campbell, J., Newton, U.S.A. Barge for handling coal	14798	24 April.
Campbell, J., Grove Bush, N.Z. Animal-trap	15370	9 Sept.
Campbell, J. D., and another, Brisbane, Queensland. Dredge-bucket	15437	24 Sept.
Campbell, J. P., Wellington, N.Z. Electric generator. (B. G. Lamme)	14644	20 March.
Campbell, J. P., Wellington, N.Z. Brake-shoe. (E. M. Herr)	14887	20 May.
Campbell, J. P., Wellington, N.Z. Electric-arc lamp. (G. Westinghouse)	15310	27 Aug.
Campbell, J. P., Wellington, N.Z. Controller for electric motor. (H. R. Stuart)	15785	18 Dec.
Campbell, J. P., Wellington, N.Z. Electric-arc lamp. (H. Bremer)	15786	18 Dec.
Campbell, J. P., Wellington, N.Z. Dynamo. (H. Chitty)	15822	30 Dec.
Canda, F. M., New York, U.S.A. Locking-device for cams, &c.	15125	17 July.
Carlyle, J., Waimate, N.Z. Feeding-trough	15412	18 Sept.
Carrington, G., Tomoana, N.Z. Bacon-slicer	14701	2 April.
Carrington, G., Tomoana, N.Z. Bacon-slicer	15012	18 June.
Carruthers, J. A., St. James, Vic. Electric clock	15646	19 Nov.
Carruthers, J. A., St. James, Vic. Electric clock	15647	19 Nov.
Cary, H. B., Los Angeles, U.S.A. Voting-machine	14576	4 March.
Caselberg, L., Wellington, N.Z. Stopper for bottle	14476	27 Jan.
Casgrain, L. A., Winchester, U.S.A. (See United Shoe Machinery Company, No. 14647.)		
Cassel, H. R., London, Eng. Extracting precious metals	14814	1 May.
Cassels, H. O., and another, Invercargill, N.Z. Horse-collar	14568	28 Feb.
Catt, G. H., Southampton, Eng. Boot-finishing machine wheels	15350	4 Sept.
Cederman, A., Hokitika, N.Z. Dredge-bucket	15390	12 Sept.
Chaffey, H. F., and others, Greymouth, N.Z. Gold-saving apparatus	15396	13 Sept.
Challis, G. C., High Cliff, Dunedin, N.Z. Stump-extractor	14415	8 Jan.
Chalmers, E. K. C., Onehunga, N.Z. Wardrobe	14453	21 Jan.
Chamberlain, J., Catford, Eng. Obtaining light from gases of low calorific power	15234	6 Aug.
Chamberlain, W. E., Auckland, N.Z. Seed-sower	15806	23 Dec.
Chamberlain, W. E., and another, Feilding, N.Z. Cooling cream, &c.	15825	31 Dec.
Chambers and Son (Limited), J., Auckland, N.Z. Oil-separator. (Babcock and Wilcox, Limited—A. Arndt)	14670	25 March.
Chambers and Son (Limited), J., Auckland, N.Z. Stoker for furnace. (Babcock and Wilcox, Limited—G. W. Thode)	14671	25 March.
Chambers and Son (Limited), J., Auckland, N.Z. Stoker for furnace. (Babcock and Wilcox, Limited—G. W. Thode)	14672	25 March.
Chambers, J. A., Pittsburg, U.S.A. Manufacture of glass articles. (J. H. Lubbers)	14429	14 Jan.
Chambers, J. M., Auckland, N.Z. Compressing wheel-tires. (West's Patent Tire-setter Company, Limited—J. B. West)	15078	3 July.
Chambers, R., New Plymouth, N.Z. Milk cooler and aerator	14885	19 May.
Chambers, R., New Plymouth, N.Z. Attachment to pianos to hold music-book	15188	29 July.
Channon, J., Hornsby, N.S.W. Lock for mail-bag. (J. J. Russell)	15678	25 Nov.
Chapman, W., London, Eng. (See J. T. Hunter, No. 14879.)		
Chapman, W., and another, Teddington, Eng. (See J. T. Hunter, No. 15579.)		
Charlier, A. C. J., Glasgow, Scotland. Manufacture of lead pigments	14862	9 May.
Cheney, S., Freeling, S. Aust. Railway-brake	15566	29 Oct.
Cherrie, M. J., Huntly, N.Z. Opening oysters	15705	2 Dec.
Chitty, H., Slater, Eng. (See J. P. Campbell, No. 15822.)		
Church, E. J., Ashburton, N.Z. Wire-coiler	15463	1 Oct.
Clamond, C., Paris, France. (See The Kern Burner Company, Limited, No. 14546.)		
Clancy, J. C., Footscray, Vic. (See Clancy White-lead Company Proprietary, Limited, No. 15542.)		
Clancy White-lead Company Proprietary (Limited), Footscray, Vic. White-lead. (J. C. Clancy)	15542	23 Oct.
Clapham, G. H., St. Kilda, Vic. Gas-manufacture	15745	11 Dec.
Clark, I. M., Compo, Cal., U.S.A. Child's high chair	14520	13 Feb.
Clark, J., Okato, N.Z. Manufacture of bricks	15459	1 Oct.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS IN THE YEAR 1902—continued.

Name, Residence, and Invention.	No.	Date.
Clarke, G. C., Auckland, N.Z. Gate	15434	23 Sept.
Clayden, A. W., and others, Nelson, N.Z. Hot-house	14435	15 Jan.
Claydon, G., Christchurch, N.Z. Spark-arrester	14528	14 Feb.
Claydon, G., Christchurch, N.Z. Supplying steam to furnaces	15061	30 June.
Cleaver, A. E., Rongotea, N.Z. Fire-escape	15532	18 Oct.
Clegg, J., Christchurch, N.Z. (See Australian Manufacturing and Importing Company, No. 14725.)		
Clegg, J., Christchurch, N.Z. Umbrella	14802	28 April.
Clendinnen, Ede. (See under E.)		
Clennel, F., and others, Wellington, N.Z. Signalling state of tide	15776	17 Dec.
Clere, F. de J., Wellington, N.Z. Insulating walls, &c.	15273	20 Aug.
Coates, E. T. R., and others, Matakohu, N.Z. Ditching-plough	15251	12 Aug.
Coates, J. G., and others, Matakohu, N.Z. Ditching-plough	15251	12 Aug.
Cochrane, D. L., Otahuhu, N.Z. Drain-excavator and road-grader	14526	14 Feb.
Cochrane, D. L., Otahuhu, N.Z. Combined dray and scoop	14578	6 March.
Cochrane, D. L., Otahuhu, N.Z. Dray-scoop	15676	19 Nov.
Cochrane, D. L., Otahuhu, N.Z. Dray-scoop	15712	3 Dec.
Cochrane, W. H., Otahutu, N.Z. Yoking horses	15189	29 July.
Cockburn, J. A., and others, Lewisham, N.S.W. Spark-arrester	15167	24 July.
Coe, H., Greymouth, N.Z. Plough	15642	17 Nov.
Colborn, E. F., Salt Lake City, U.S.A. Explosive-engine. (A. Hayes)	14427	14 Jan.
Colborn, E. F., Salt Lake City, U.S.A. Production of gas	14428	14 Jan.
Coleman, W. E., New York, U.S.A. Electric fan	14903	23 May.
Coleman, W. E., New York, U.S.A. Electric fan	15602	5 Nov.
Collins, E., Invercargill, N.Z. Hedge-clipper	15231	7 Aug.
Collins, J. J., and another, Christchurch, N.Z. Making stonework impervious to water	14930	29 May.
Collins, W., Waiwera, N.Z. Animal-trap	15255	12 Aug.
Collins, W. A., Wanganui, N.Z. Cow-leg holder	15425	19 Sept.
Collins, W. E., and another, Wanganui, N.Z. Compressing ensilage	15376	10 Sept.
Colonial Ammunition Company (Limited), Auckland, N.Z. Wad. (A. C. Whitney)	15435	24 Sept.
Coltman, R. H., Hunterville, N.Z. Silt-ejector for tank	15281	22 Aug.
Combes, F. H., and another, Auckland, N.Z. (See A. H. Nathan, No. 15403.)		
Conrad, F., Wilkinsburg, U.S.A. (See J. T. Hunter, No. 14611.)		
Conroy, E., Ballina, N.S.W. Propeller	15444	25 Sept.
Constable, C. W., Queenstown, N.Z. Spark-arrester	15485	1 Oct.
Constable, C. W., Queenstown, N.Z. Rabbit-trap	15675	19 Nov.
Constable, J., Napier, N.Z. Siphon for water-closet	15670	22 Nov.
Conversion Company (Billing's Machinery and Process), Limited, London, Eng. Manufacture of beer. (L. Briant and H. C. Rigaud)	14720	8 April.
Conyers, E. A., Melbourne, Vic. Bed-pan	15416	18 Sept.
Coogan, L., Rongotea, N.Z. Flax-dray	15742	10 Dec.
Cook, J., Wellington, N.Z. Operating valves of cisterns	14880	15 May.
Coomber, J. D., Dunedin, N.Z. Raising gold	15529	14 Oct.
Cooley Development Company, Boston, U.S.A. Rotary fluid-engine. (J. F. Cooley)	15784	18 Dec.
Cooley, J. F., Boston, U.S.A. (See Cooley Development Company, No. 15784.)		
Cooper, A., Wellington, N.Z. Wheel-lock	14920	26 May.
Cooper, A., Wellington, N.Z. Wheel-lock	15232	7 Aug.
Cooper, F., Invercargill, N.Z. Cultivator	14677	22 March.
Cooper, F., Christchurch, N.Z. Potato-planter	15737	24 Nov.
Cooper, F., Christchurch, N.Z. Clod-crusher, &c.	15738	24 Nov.
Cooper, H. A., Wellington, N.Z. Spark-catcher	14530	15 Feb.
Cooper, K., Christchurch, N.Z. Preparation for the skin	15520	15 Oct.
Cooze, C. J., Carterton, N.Z. Fire-escape	14594	7 March.
Cooze, C. J., Carterton, N.Z. Lock-nut	14699	3 April.
Cooze, C. J., Carterton, N.Z. Fire-escape	14700	3 April.
Copeland, L. D., and another, Los Angeles, U.S.A. Utilising heat from slag	15424	19 Sept.
Corbett, J. C., Epsom, N.Z. Framing pictures	14527	14 Feb.
Corbett, J. C., Epsom, N.Z. Decorating picture-frames	14806	28 April.
Cormack, J., Wyndham, N.Z. Coulter-centre	15680	22 Nov.
Cormack, W., and another, Midlothian, Scotland. Gelatine	15767	17 Dec.
Corrington, M., and another, New York, U.S.A. Railway-signalling	14618	13 March.
Corrington, M., New York, U.S.A. Safety-valve	15820	30 Dec.
Cossar, T., Govan, Scotland. Printing-machine	15575	30 Oct.
Cosslett, R., Auckland, N.Z. Tap	15202	30 July.
Cotton, A. H., Omanaia, N.Z. Mustard-pot	14871	10 May.
Cotton, F., Horn-by, N.S.W. Carbonaceous liquids as fuel	15318	28 Aug.
Cottrell and Sons Company, C. B., New York, U.S.A. (See E. Waters, jun., No. 14807.)		
Coucell, A., Sydney, N.S.W. Merry-go-round	14869	7 May.
Coulsell, A. C., and others, North Melbourne, Vic. Water-column boiler	15677	25 Nov.
Coulsell, F. E., and others, North Melbourne, Vic. Water-column boiler	15677	25 Nov.
Coulsell, H. W., and others, North Melbourne, Vic. Water-column boiler	15677	25 Nov.
Coulsell, L. B., and others, North Melbourne, Vic. Water-column boiler	15677	25 Nov.
Coulter, E. P., Melbourne, Vic. (See H. J. Ballin, No. 15555.)		
Coulthard, T. W., Mangapai, N.Z. Box for the carriage of eggs. (J. Fowler)	15404	12 Sept.
Couston, J., and another, Perth, W.A. Jointing iron plates	14587	6 March.
Cowan, J., Edinburgh, Scotland. Water-tube boiler	15148	23 July.
Cowan, J., Edinburgh, Scotland. Water-tube boiler	15569	30 Oct.
Cowan, S. J., and another, Tingha, N.S.W. Starting horse-race	15716	4 Dec.
Cowley, J. T., Lowell, U.S.A. (See Lamson Store Service Company, Limited, No. 14549.)		
Cowper-Coles and Company (Limited), S., London, Eng. Deposition of metal. (S. Cowper-Coles)	14832	1 May.
Cowper-Coles, S., London, Eng. (See S. Cowper-Coles and Company, Limited, No. 14832.)		
Cowper, F. H. W., Christchurch, N.Z. Ping-pong	14631	14 March.
Cowper, F. H. W., Christchurch, N.Z. Damper for letter-copying. (T. N. Rayward)	15431	23 Sept.
Cox, J., New Glenelg, S. Aust. Drilling and boring apparatus	15426	16 Sept.
Coxhead, A. V., and another, Sydenham, N.Z. Toasting-appliance	14742	14 April.
Cozens, G., and another, Auckland, N.Z. Closet	15395	13 Sept.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS IN THE YEAR 1902—*continued.*

Name, Residence, and Invention.	No.	Date.
Craig, W., Auckland, N.Z. Ventilator	14875	10 May.
Crawford, B., and another, Auckland, N.Z. Ventilator	15481	3 Oct.
Creamer, J., Wellington, N.Z. Plane-iron	15415	18 Sept.
Croft, J. R., London, Eng. (See Valves, Limited, No. 14682.)		
Croll, G., Christchurch, N.Z. Life-saving raft	15672	22 Nov.
Crook, J., Auckland, N.Z. Production of air-gas	14846	3 May.
Cross, C., Waitangi, N.Z. Platform for bushfelling	15450	26 Sept.
Crown Paper Company, Boston, U.S.A. Making carbon-paper. (F. B. How)	14553	19 Feb.
Croxhead, G., Dunedin, N.Z. Lead-headed nail	15214	31 July.
Cruikshank, C. M., Gore, N.Z. Tap for water-tank	14946	29 May.
Cummins, T. D., and another, Wanganui, N.Z. Dropper for wire-fences	15755	13 Dec.
Cunningham, C. S., and another, Melbourne, Vic. Rowing-machine for physical exercise	15439	20 Sept.
Currie, F., and another, Mt. Eden, N.Z. Snatch-block	15252	12 Aug.
Currie, W., Hillsborough, N.Z. Ballast-spreading machine	14462	22 Jan.
Curtis, C. L., and another, New York, U.S.A. Bottle-closure	14655	21 March.
Curtis, R., Otago, N.Z. Suspender	15083	1 July.
Cutten, F. A., Dunedin, N.Z. Securing bush to tumbler-shaft of bucket-dredge	15180	25 July.
Dade, H. E., New York, U.S.A. Binder for loose sheets of paper	15225	4 Aug.
Dahl, C., Palmerston North, N.Z. Butter-mould. (G. Shailer)	15035	24 June.
Dahlqvist, J. A., and another, Stockholm, Sweden. Separating fatty substances from emulsions	15038	27 June.
Dale, G. F., Christchurch, N.Z. Scoring-apparatus for ping-pong, &c.	14945	31 May.
Dale, G. F., Christchurch, N.Z. Date and score indicator	15009	16 June.
Dalton, W. J., Auckland, N.Z. Telescopic tap	15592	30 Oct.
Dando, P. H., Whangarei, N.Z. Chamber-utensils	15356	4 Sept.
Danks, T., Christchurch, N.Z. Bending sheet-metal tubes	15382	9 Sept.
Darby, S. C., and others, Wickford Junction, Essex, Eng. Implement for breaking up land	15314	27 Aug.
Darby, T. A., and others, Wickford Junction, Essex, Eng. Implement for breaking up land	15314	27 Aug.
Darby, T. C., and others, Wickford Junction, Essex, Eng. Implement for breaking up land	15314	27 Aug.
Darling, P. J., and others, Christchurch, N.Z. Sustaining air-pressure in tires	15567	28 Oct.
Darrell, G., Melbourne, Vic. Advertising	15049	27 June.
Davenport, E. F., Melrose, U.S.A. (See United Shoe Machinery Company, No. 15203.)		
Davey, W. S., Featherston, N.Z. Milk cooler and filler	15539	22 Oct.
Davidson, G., Hokitika, N.Z. Tripping-block for hauling logs	14510	10 Feb.
Davidson, G., Hokitika, N.Z. Tripping-block for hauling logs	14558	24 Feb.
Davidson, W. L., Cheviot, N.Z. Preventing extraction of letters from letter-box	15105	10 July.
Davidson, W. L., Cheviot, N.Z. Non-refillable bottle	15554	27 Oct.
Davies, J. B., Malvern, Vic. (See C. F. Dunn, No. 15774.)		
Davis, A. F., San Francisco, U.S.A. Detachable boot-heel. (M. L. Hansen)	15336	30 Aug.
Davis, G. F. F., and another, Christchurch, N.Z. Plate	15130	18 July.
Davy, K., Wanganui, N.Z. Umbrella	15300	16 Aug.
Davy, K., Wanganui, N.Z. Umbrella	15545	22 Oct.
Dawson, W., Auckland, N.Z. Remedy for cuts	14771	16 April.
Dawson, W., Wanganui, N.Z. Table-game	15458	1 Oct.
Deane, T., Christchurch, N.Z. Packing tea, &c.	15173	24 July.
De Bary, A. T., Buenos Ayres, Argentine Republic. Rod for wire-fencing	14730	10 April.
De Lajard, C. P., Avignon, France. Power from waves of sea	15654	19 Nov.
Delprat, G. D., Broken Hill, N.S.W. (See E. S. Baldwin and H. H. Rayward, Nos. 15681 and 15687.)		
Demant, I. S., and others, East Orange, U.S.A. (See W. E. Hughes, No. 14809.)		
De Mole, L. E., Brighton, Vic. Automatically operating telephone exchange	15353	4 Sept.
De Montalk, R. W., Auckland, N.Z. Constructing fireproof floors and ceilings	14752	17 April.
Dent, G., Auckland, N.Z. Hairdressers' cabinet	14449	18 Jan.
Derrett, E. A., Hawarden, N.Z. Fencing-dropper	14439	17 Jan.
Desmond, W., Outram, N.Z. Lamp-bracket	15278	21 Aug.
Dewar, J. L., and another, Bristol, Eng. Treating beer for bottling	14833	1 May.
Dibdin, W. J., and another, London, Eng. Manufacturing gas	14957	5 June.
Diddams, W. H., Greytown North, N.Z. Vehicle mud-guard	15297	25 Aug.
Dimant, E., Melbourne, Vic. Divided sole for boots, &c.	15101	10 July.
Dingwall, J., Melbourne, Vic. Canister for butter, &c.	14486	30 Jan.
Dixon, H., Mataura, N.Z. Rat-trap	15812	23 Dec.
Dixon, H., Mataura, N.Z. Rat-trap	15813	23 Dec.
Dodd, W. G., San Francisco, U.S.A. Ore-concentrator	14485	30 Jan.
Dodgson, F. L., and another, Rochester, U.S.A. Railway-signalling	14618	13 March.
Dolter Electric Traction (Limited), London, Eng. Electric traction system. (H. Dolter)	15768	15 Dec.
Dolter, H., Paris, France. (See Dolter Electric Traction, Limited, No. 15768.)		
Donald, D., Masterton, N.Z. Punching, shearing, and stamping machine	14559	25 Feb.
Donald, D., Masterton, N.Z. Golf-bag	14835	5 May.
Donaldson, R. R., Dunedin, N.Z. Catch-pit for street-drainage	14640	19 March.
Donaldson, R. R., Dunedin, N.Z. Treating sewage	14660	21 March.
Donkin, H., Wellington, N.Z. Collapsible butter, &c., box	15186	29 July.
Donnelly, J. F., Feilding, N.Z. Preparation for the hair	14592	12 March.
Donnelly, J. F., Feilding, N.Z. Preparation for the hair	15531	18 Oct.
Douglas, A., Otahuhu, N.Z. Buckle-attachment to spring-hook	14454	21 Jan.
Douglas, A., Otahuhu, N.Z. Candlestick	15227	7 Aug.
Downing, H. W., Christchurch, N.Z. Saddle	15556	27 Oct.
Droullege, H., Auckland, N.Z. Registering and recording machine	14772	17 April.
Droullege, H., Auckland, N.Z. Totalisator	15814	22 Dec.
Drum, T. J., and another, Auckland, N.Z. Fire-extinguisher	14538	18 Feb.
Duck, G. D. J., and others, Marton, N.Z. Sprayer	14707	5 April.
Duke, R. W., London, Eng. Toy	15599	5 Nov.
Dunbar, A., South Melbourne, Vic. Feed-water heater. (J. Macartney)	15157	24 July.
Duncan, A. S., Invercargill, N.Z. Gate-hinge	14628	11 March.
Duncan, G. S., Melbourne, Vic. Can-body making machine. (R. D. Hume)	15491	9 Oct.
Dunlop, G. H., Melbourne, Vic. Linings for tunnels	15819	30 Dec.
Dunn, C. F., Kew, Vic. Nail. (J. B. Davies)	15774	17 Dec.
Dunne, R., Dunedin, N.Z. Hinge	15138	17 July.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS IN THE YEAR 1902—*continued*.

Name, Residence, and Invention.	No.	Date.
Dunne, R., Dunedin, N.Z. Mitre-cutting machine	15176	23 July.
Dunne, R., Dunedin, N.Z. Mitre-cutting machine	15243	8 Aug.
Durey, J., Teddington, N.Z. Handles for knives, &c.	15695	25 Nov.
Earle, M., Gisborne, N.Z. Knife-cleaner	15235	2 Aug.
Easdown, R. H., Mount Macdonald, N.S.W. Mail-bag fastener	15077	3 July.
Economic Hoisting and Ballast Company, San Francisco, U.S.A. Unloading vessels. (A. Mullan)	15749	11 Dec.
Ede-Clendinnen, W. A., Glenferrie, Vic. Tobacco-pipe	15384	11 Sept.
Ehrmann, M. B. L., and others, Pinkenba, Queensland. Joint for tin or can	14614	13 March.
Elder, W. K., and others, Auckland, N.Z. Ditching plough	15251	12 Aug.
Elliot, R. N., Lindfield, N.S.W. (See Elliot's Patent Improved Domestic Pin Company, Limited, No. 14589.)		
Elliot, R. N., Lindfield, N.S.W. (See Elliot's Patent Lock Envelope Company, Limited, No. 14931.)		
Elliot's Patent Improved Domestic Pin Company (Limited), Sydney, N.S.W. Pin. (R. N. Elliot)	14589	6 March.
Elliot's Patent Lock Envelope Company (Limited), Sydney, N.S.W. Stationery envelope. (R. N. Elliot)	14931	29 May.
Ellis, J., Warragul, Vic. Butter-box	14985	7 June.
Ellis, J., Warragul, Vic. Securing horse-rugs	15811	24 Dec.
Ellis, P., Wellington, N.Z. Rotary engine	15274	20 Aug.
Ellison, T. R., Wellington, N.Z. Cycle parcel-carrier	14779	22 April.
Elmore, A. S., London, Eng. Separating minerals	14518	13 Feb.
Ensor, S. J., and another, Waihi, N.Z. Claw-hammer	14478	24 Jan.
Eppler, A., Alliston, U.S.A. (See United Shoe Machinery Company, No. 15103.)		
Erickson, C. J., and others, Chicago, U.S.A. (See Strowger Automatic Telephone Exchange, No. 15422.)		
Erickson, J., and others, Chicago, U.S.A. (See Strowger Automatic Telephone Exchange, No. 15422.)		
Escher, H. G., Wellington, N.Z. Fire-escape	14709	7 April.
Esple, A. J., Dunedin, N.Z. Animal-trap	14767	15 April.
Esse, C. E. A., Ormskirck, Eng. Inner tube of tire	15121	17 July.
Evans, F. P., and another, Wellington, N.Z. Removing coal from ships' holds	14861	9 May.
Evans, J. P., Opoitiki, N.Z. O.G. spouting	14942	24 May.
Evans, W. J., and another, Montana, U.S.A. Roasting-furnace	14888	20 May.
Evans, W. J., and another, Brisbane, Queensland. Dredge-bucket	15437	24 Sept.
Ewing, J., jun., Richmond, Canada. Life-preserver	15809	24 Dec.
Ewing, R., and another, Wellington, N.Z. Renewing window-cords	15499	10 Oct.
Fabrik für Mechanische Hirnholzmosaik Gesellschaft mit Beschränkter Haftung, München, Germany. Manufacturing fabric composed of wooden blocks. (J. Wehinger)	14577	3 March.
Fagan, L., Mangapai, N.Z. Piano bracket-lamp	15472	4 Oct.
Fahey, J. V., Roslyn Bush, N.Z. Sheaf-carrier for harvester	14637	15 March.
Fahey, W. H., and another, Dunedin, N.Z. Broom, brush, &c.	14416	8 Jan.
Fahey, W. H., and another, Dunedin, N.Z. Hair and hat pin and fastening	14828	2 May.
Fahey, W. H., and another, Dunedin, N.Z. Hat-fastener	15628	11 Nov.
Fairbanks, Morse, and Co., Chicago, U.S.A. Gas-generator. (F. G. Hobart)	15442	25 Sept.
Fairweather, J., and others, Blenheim, N.Z. Selvedge-stripping flax-drum	15795	18 Dec.
Fairweather, W., and others, Blenheim, N.Z. Selvedge-stripping flax-drum	15795	18 Dec.
Fairweather, W., jun., and others, Blenheim, N.Z. Selvedge-stripping flax-drum	15795	18 Dec.
Falconer, J. M., Endsleigh, N.Z. Feed for grain-drill	14489	27 Jan.
Farquhar, J. F. C., Vaucluse, Sydney, N.S.W. Oil-lamp	14688	1 April.
Federal Refining Company, Jersey City, U.S.A. Treating sugar. (C. A. Spreckels and C. A. Kern)	14739	11 April.
Fennessy, T., Port Melbourne, Vic. Roller for swampy ground, &c.	15075	3 July.
Ferrell, J. L., Philadelphia, U.S.A. Wood-preserving	14519	13 Feb.
Ferrell, J. L., Philadelphia, U.S.A. Wood-preserving	14726	7 April.
Ferrell, J. L., Philadelphia, U.S.A. Wood-preserving	14792	24 April.
Ferrier, J., Geelong, Vic. (See Victorian Forage-pressing Company Proprietary, Limited, No. 14991.)		
Fessenden, R. A., Manteo, U.S.A. (See E. Waters, jun., Nos. 15374, 15375, 15394.)		
Fiddes, J. A., Dunedin, N.Z. Propelling, &c., boats	15432	23 Sept.
Findlay, A., jun., and others, Dunedin, N.Z. Leggings	14506	7 Feb.
Finlay, F., and another, Newtown, N.S.W. Checking-marker for games	14820	2 May.
Firth, T., Wellington, N.Z. Wheel-lock	15223	6 Aug.
Firth, T., Wellington, N.Z. Wheel-lock	15369	9 Sept.
Firth, T., Wellington, N.Z. Wheel-lock	15758	15 Dec.
Fisher, D. P., and others, Wellington, N.Z. Ventilating hails, &c.	14952	4 June.
Flameless Gaslight Company (Limited), London, Eng. Incandescent-gas lighting. (W. Hooker)	15124	17 July.
Flameless Gaslight Company (Limited), London, Eng. Gas-burner. (W. Hooker)	15578	30 Oct.
Fleming, M. W., Milton, N.Z. Goods elevator	15335	30 Aug.
Fleming, M. W., Milton, N.Z. Portable truck and hoist	15408	13 Sept.
Floyed, A. G., Gladstone, Tasmania. Apparatus for playing games	14864	9 May.
Foley, M., and others, Auckland, N.Z. Advertising	15184	25 July.
Foot, F. J., and another, Greymouth, N.Z. Gold-saving screen	15563	25 Oct.
Foot, W. J., London, Eng. Fixing railway-track rails	14426	14 Jan.
Forbes, W. C., Elsternwick, Vic. Course-recorder for ships	15541	22 Oct.
Ford, J., Cromwell, N.Z. Tap	14560	24 Feb.
Ford, J., and another, Cromwell, N.Z. Perambulator	14870	9 May.
Foreign McKenna Process Company, Milwaukee, U.S.A. Reshaping rolled products. (D. H. Lentz)	15327	26 Aug.
Forno, C. C., Dunedin, N.Z. Rabbit-trap	14794	22 April.
Forwood, H., and others, Christchurch, N.Z. Securing hat to head	15464	29 Sept.
Fowler, J., Whangarei, N.Z. (See T. W. Coulthard, No. 15404.)		
Francis, A. A., Bergamo, Italy. Ore-concentrator	14545	20 Feb.
Francis, J. F., Waltham, N.Z. Cramp for match-boarding	15108	11 July.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS IN THE YEAR 1902—*continued*.

Name, Residence, and Invention.	No.	Date.
Fraser, J., Feilding, N.Z. Rheumatics cure	15371	9 Sept.
Free, J., Brighton, N.Z. Artesian water-pipes	15701	28 Nov.
Freeman, E. T., Boston, U.S.A. (See United Shoe Machinery Company, No. 15205.)		
French, A. C. S., and another, Mitchelltown, N.Z. Washing and dressing flax	14872	13 May.
Fresh Air and Safety Sash-fastener Company (Limited), Adelaide, S. Aust. Sash-fastener. (R. Williams)	14493	4 Feb.
Friend, J. E., Gore, N.Z. Dredge-digger	14724	9 April.
Frost, J. E. A., Albany, N.Z. Spindle-attachment for door-knob	14927	23 May.
Fyfe, W. W., Middlesex, Eng. (See Metallic Compounds Separation Syndicate, Limited, No. 15572.)		
Galbraith, D. R. S., Remuera, N.Z. Utilising kauri-gum deposits	14492	31 Jan.
Galbraith, D. R. S., Remuera, N.Z. Treating iron-oxides	14769	16 April.
Galbraith, D. R. S., Remuera, N.Z. New milk food	15368	6 Sept.
Galbraith, D. R. S., and another, Remuera, N.Z. Reduction of ironsand	15661	18 Nov.
Galbraith, D. R. S., and another, Remuera, N.Z. Reduction of ironsand	15662	18 Nov.
Gamman, W. A., Dannevirke, N.Z. Reversing rotation of shafting	15684	26 Nov.
Gardiner, J. H., Christchurch, N.Z. Wool-washing	15803	22 Dec.
Gardiner, W., Mataura, N.Z. Drill-rollers	15605	3 Nov.
Gare, G. W., and another, Waipori, N.Z. Removing clay from dredge-bucket	15175	23 July.
Gargurevich, M., North Carlton, Vic. Recovery of gold	15468	3 Oct.
Garnham, R., Wellington, N.Z. Non-refillable bottle	14750	17 April.
Garrard, C. G., Birmingham, Eng. Cycle driving-gear	15149	23 July.
Garratt, T. A., Lyttelton, N.Z. Non-refillable bottle	15326	26 Aug.
Garrett, W. A., Auckland, N.Z. Wire mattress	15357	3 Sept.
Gascoyne, D., Auckland, N.Z. Lamp-wick	15743	10 Dec.
Gates, S., Sydney, N.S.W. (See Lamson Store-service Company, Limited, Nos. 15573 and 15574.)		
Gaudet, F. M., Quebec, Canada. (See A. C. Whitney, No. 15029.)		
Gaudet, F. M., London, Eng. Target	15068	2 July.
Gaudin, H. H., and another, Christchurch, N.Z. Acetylene-lamp	15218	1 Aug.
Gaulin, A., Paris, France. Mixing milk	15750	11 Dec.
Gaze, W. H., Shepparton, Vic. Gas for lighting	15565	29 Oct.
Gaze, W. H., Shepparton, Vic. Illuminating-gas	15706	2 Dec.
Geary, W. G., Weraroa, N.Z. Martingale	14664	24 March.
Geary, W. G., Weraroa, N.Z. Martingale	14943	31 May.
Gee, J. E., London, Eng. Floor-washing apparatus	14656	21 March.
Gentzsch, A., Vienna, Austria. Guttapercha substitute	14410	10 Jan.
George, G., Rangiora, N.Z. Bottle	15192	28 July.
Gibbons, R. P., Kopu, N.Z. High-pressure gauge-glass for steam-boiler	14770	14 April.
Gibbons, R. P., Kopu, N.Z. Steam-boiler	15497	7 Oct.
Gibbons, R. P., Kopu, N.Z. Steam-engine	15537	18 Oct.
Gibbons, R. P., Kopu, N.Z. Steam-boiler	15614	5 Nov.
Gibbons, R. P., Kopu, N.Z. Bottom and sides of kettle	15632	11 Nov.
Gibbons, R. P., Kopu, N.Z. Auxiliary propeller	15640	13 Nov.
Gibbs, G., New York, U.S.A. (See W. E. Hughes, No. 15781.)		
Gibbs, R. W., and another, Nelson, N.Z. Truss	15381	8 Sept.
Gibson, R. A., and another, Wellington, N.Z. Cleaning cycle-tires	14877	15 May.
Giesler, W., and another, Dunedin, N.Z. Combination tool	14786	21 April.
Gifford, E., and another, Auckland, N.Z. Wire-strainer	15253	15 Aug.
Gifford, G. H., Lynn, Massachusetts, U.S.A. (See United Shoe Machinery Company, No. 15228.)		
Giles, F., St. Kilda, Vic. Roofing nail and screw	15247	14 Aug.
Giles, M. S., Sydney, N.S.W. (See G. W. Basley, No. 15547.)		
Gilfedder, T. J., and another, Gore, N.Z. Ferrule for tobacco-pipe, &c.	14840	5 May.
Gillies, A., and another, Terang, Vic. Milking-machine	15597	5 Nov.
Gillies, A., and another, Terang, Vic. Milking-machine	15598	5 Nov.
Gillies, A., Terang, Vic. Milking-apparatus	15652	19 Nov.
Godfrey, A., London, Eng. Wrapping and packing cigarettes	15540	22 Oct.
Goltstein, E., Cologne, Germany. (See J. A. Landsberger, No. 15739.)		
Good, J. T., Glenthompson, Vic. Rabbit-trap	14747	14 April.
Goosman, G., Mangere, N.Z. Shoulder-strap for bags, &c.	15196	28 July.
Gordon, W. H., Ballarat, Vic. Hub for fastening machinery to shaft	14761	17 April.
Gore, W. H., and another, Wingatui, N.Z. Apparatus for boiling eggs	15303	22 Aug.
Goss, W. G., Lower Hutt, N.Z. Exhausting air	15324	29 Aug.
Gossling, P. J., Dunedin, N.Z. Hairdressers' rack, &c.	15217	1 Aug.
Gossling, P. J., Dunedin, N.Z. Cigar-cutter, match-holder, and advertising device	15256	12 Aug.
Goucher, T., Ulverstone, Tasmania. Target	14565	28 Feb.
Gough, F., Stafford, N.Z. Leg-holder for cows	14635	7 March.
Gowlland, G. L., Ontario, Canada. Prepayment and recording current-meter	15100	10 July.
Graham, C. J. A., and another, Waihi, N.Z. Fire-grate	14971	7 June.
Graham, J. M., Gore, N.Z. Fire-alarm	15407	17 Sept.
Grainger, A. M., Wanganui, N.Z. Rafting logs	15465	2 Oct.
Grass, H., Flowerdale, Vic. Dropper for pasty material	14758	17 April.
Grattan, J. H., Avondale, N.Z. Saw, stripper, and regulator	14630	13 March.
Grattan, J. H., Avondale, N.Z. Saw, stripper, and regulator	14873	8 May.
Grattan, J. H., Avondale, N.Z. Gear for controlling horses	14874	8 May.
Gray, A., Manapouri Station, N.Z. Claw-hammer and staple-drawer	15265	15 Aug.
Gray, A., Manapouri Station, N.Z. Saddle tool-bag	15266	15 Aug.
Gray, A., Manapouri Station, N.Z. File, wire-twister, and rule	15267	15 Aug.
Grayson, L. W., and another, Melbourne, Vic. Rowing-machine for physical exercise	15439	20 Sept.
Green, J., Bradford, Eng. Seed-sowing machine	14543	19 Feb.
Greenacre, J., Huntly, N.Z. Log-sawing machine	14514	11 Feb.
Greenhead, C. H., Waiuku, N.Z. Alarm-attachment for doors, &c.	14973	7 June.
Grey, E. H., Morrinsville, N.Z. Road-plough	14738	12 April.
Grindrod, C. E., and others, Kingston, N.S.W. Spark-arrester	15167	24 July.
Grinlinton, H. G., Devonport, N.Z. Propulsion of cycles	14972	7 June.
Griswold, N. W., Honolulu, Hawaii. Watering-trough	15089	5 July.

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Name, Residence, and Invention.	No.	Date.
Grönberg, A., Wasa, Finland. Furnace	15268	15 Aug.
Gubbins, G., and another, South Dunedin, N.Z. Bicycle-support	14893	16 May.
Gubbins, T., and another, South Dunedin, N.Z. Bicycle-support	14893	16 May.
Gundrie, W. W., South Norsewood, N.Z. Water-motor	15504	10 Oct.
Gunn, H., Auckland, N.Z. Spark-stopper	14859	6 May.
Gwillim, D., Toorak, Vic. Indoor game	15341	2 Sept.
Hadaway, J. B., Brockton, U.S.A. (See United Shoe Machinery Company, No. 15208.)		
Haines, C. W., Auckland, N.Z. Spark-extinguisher	14857	8 May.
Ham, H., Kumeroa, N.Z. Nightsoil-receptacle	15648	19 Nov.
Hamilton, J. A., St. Peter's, U.S.A. Concentrating-table	15421	19 Sept.
Hammond, H., Aratapu, N.Z. Preventing rubbish passing into tanks	15129	18 July.
Hampson, F. G., Chelsea, Eng. (See Automatic Aerator Patents, Limited, No. 15134.)		
Hancock, J., and another, Centre Bush, Southland, N.Z. Non-refillable bottle	14596	6 March.
Hancock, J. N., Centre Bush, N.Z. Envelope	15269	18 Aug.
Harkin, H. G., Reefton, N.Z. Gold-saving	14564	27 Feb.
Harkin, H. G., Reefton, N.Z. Grading auriferous spoil	14907	23 May.
Hanley, J., Gore, N.Z. Car-coupling	15289	19 Aug.
Hanna, D., Christchurch, N.Z. Pumping smoke	15643	17 Nov.
Hanneborg, O. B. H., Christiania, Norway. Excavator	14536	18 Feb.
Hansen, M. L., San Francisco, U.S.A. (See A. F. Davis, No. 15336.)		
Hansen, O., Gisborne, N.Z. Closing gates	15483	4 Oct.
Harding, W. E., and another, Boulder, W.A. High-pressure tap for filter-press	15769	17 Dec.
Hare, W. W., London, Eng. (See Inverted Incandescent Gas-lamp Syndicate, Limited, No. 14612.)		
Harkin, P. A., Auckland, N.Z. Moulding confectionery	15665	21 Nov.
Harman, R. D., and another, Christchurch, N.Z. Making stonework impervious to water	14930	29 May.
Harnish, K., St. Petersburg, Russia. (See American Tobacco Company, No. 15073.)		
Harris, D., Ballance, N.Z. Aerating and cooling milk	15619	12 Nov.
Harris, D., Ballance, N.Z. Securing wires of fence	15620	12 Nov.
Harris, J., Wellington, N.Z. Securing dropper to wire	15557	27 Oct.
Harris, R. D., London, Eng. Drill	14575	3 March.
Harris, R. D., Sevensisters, Wales, Eng. Hat-grip	14695	3 April.
Harrison, I., and another, Wellington, N.Z. Fire-escape	14650	20 March.
Harrison, J. R., Ballarat, Vic. Ore concentrator and amalgamator	15462	1 Oct.
Harrison, R., Wellington, N.Z. Hæmatite, concrete, brick	15673	24 Nov.
Harrison, W., Ashburton, N.Z. Lawn-weeding tool	15714	3 Dec.
Harvey, W., Auckland, N.Z. Milk-straining pan	15299	22 Aug.
Hasselbach, E., Surrey Hills, Vic. Game	15736	6 Dec.
Hatton, F., Timaru, N.Z. Wheel-stopper for carriage, &c.	15720	4 Dec.
Hatton, T. C., Ontario, Canada. Carriage-spring	15561	25 Oct.
Hatton, W., Feilding. Holding target for shooting	15725	8 Dec.
Haughton, R. S., Wellington, N.Z. Stop-cock	15730	8 Dec.
Hayes, A., Salt Lake City, U.S.A. (See E. F. Colborn, No. 14427.)		
Hayes, F. W., Albury, N.S.W. Punkah for chairs	15568	30 Oct.
Hayne, J. B., Dunedin, N.Z. Pneumatic hub for vehicle-wheel	14850	3 May.
Hayward, B. I., and another, Wellington, N.Z. Cleaning cycle-tires	14877	15 May.
Hayward, C. E., jun., Auckland, N.Z. Wire-tightener	15590	3 Nov.
Haywood, W. F., Los Angeles, U.S.A. (See E. Waters, No. 14584.)		
Hazelden, F. H., and another, Hunterville, N.Z. Rat-trap	15031	23 June.
Healy, D. W., Nelson, N.Z. Military kit	15482	7 Oct.
Heath, J. S., and another, Macedon, U.S.A. (See Bickford and Huffman Company, No. 15683.)		
Heatley, G. S., Morpeth, Eng. Bedstead and mattress	15283	22 Aug.
Hebblewhite, C. J., and another, Sydney, N.S.W. Checking-marker for games	14820	2 May.
Hebers, A., Boston, U.S.A. (See H. B. Newton, No. 14523.)		
Heffer, S. J., Wellington, N.Z. Candle-holder	15154	23 July.
Hege, C. A., Salem, U.S.A. Cutting railroad cross-ties	15691	27 Nov.
Henderson, F., Dunedin, N.Z. Dredge-screen	15197	29 July.
Henderson, F., Auckland, N.Z. Electric ignition for engine	15525	15 Oct.
Henderson, H. H., Wellington, N.Z. Cleaning walls, floors, &c.	14955	5 June.
Henderson, H. W. G., Dannevirke, N.Z. Manufacture of water-gas	14654	20 March.
Henderson, J. S., and another, Ramorine, N.Z. Catch for door	14751	17 April.
Henderson, J. W., Wellington, N.Z. Earth-closet	15686	27 Nov.
Henry, C., and another, Dunedin, N.Z. Combination tool	14786	21 April.
Heppell, G. T., Hokitika, N.Z. Gold-saving screen and table	14608	12 March.
Herbert, T., Auckland, N.Z. Ping-pong bat	15032	19 June.
Herd, F. G., and another, Wellington, N.Z. Support for settee, &c.	14512	11 Feb.
Herd, T., and another, Wellington, N.Z. Indicating length of roll of textile material	15471	3 Oct.
Herdman, W., Christchurch, N.Z. Egg-beater	15400	12 Sept.
Herr, E. M., Pittsburg, U.S.A. (See J. P. Campbell, No. 14887.)		
Hicks, T. H., Fort Wayne, U.S.A. Separating mercury, &c., from ore pulp	15092	10 July.
Hicks, T. H., Fort Wayne, U.S.A. Recovering gold from refractory ores	15093	10 July.
Hicks, T. H., Fort Wayne, U.S.A. Separating mercury from amalgam	15094	10 July.
Hicks, T. H., Fort Wayne, U.S.A. Ore-concentrator	15095	10 July.
Hicks, T. H., Fort Wayne, U.S.A. Single ball ore-pulveriser	15096	10 July.
Higgie, T. M., Wanganui, N.Z. Scrubber	15454	25 Oct.
Hill, J. J., Denver, U.S.A. Amalgamating-apparatus	15753	10 Dec.
Hind, F. G., and another, Wellington, N.Z. Settee, couch, &c.	14512	11 Feb.
Hiss, N., New York, U.S.A. Traction machinery	15782	18 Dec.
Hobart, F. G., Beloit, U.S.A. (See Fairbanks, Morse, and Co., No. 15442.)		
Hodder, C. N., and another, Greymouth, N.Z. Office ruler and blotting-pad	15128	14 July.
Hodge, A., and another, Oamaru, N.Z. Horse-cover	14966	2 June.
Hodge, C. E., Mercer, N.Z. Spark-arrester	14633	18 March.
Hogg, B., and another, Whangamata, N.Z. Stirring auriferous material	14515	12 Feb.
Holland, R., Flemington, N.Z. Elevator chain	15024	23 June.
Holland, S. J., Auckland, N.Z. Holding carriage-lamp in position	14797	26 April.
Hollis, R., and others, Newtown, N.S.W. Spark-arrester	15167	24 July.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS IN THE YEAR 1902—*continued.*

Name, Residence, and Invention.	No.	Date.
Holm, C. L., and another, Stockholm, Sweden. Separating fatty substances from emulsions	15038	27 June.
Holmes, A., and others, Kensington, Vic. Bedstead	14689	3 April.
Holmes, C., and others, Kensington, Vic. Bedstead	14689	3 April.
Holmes, R. R., and another, Auckland, N.Z. Wire-strainer, &c.	15253	15 Aug.
Holmes, S., and others, Kensington, Vic. Bedstead	14689	3 April.
Hood, W. G., and others, Petone, N.Z. Marine governor	15633	15 Nov.
Hooker, W., London, Eng. (See Flameless Gaslight Company, Limited, Nos. 15124 and 15578.)		
Hooley, T., Stockport, Eng. (See Linotype Company, Limited, No. 15414.)		
Hope, E., Christchurch, N.Z. Preventing "racing" of marine engines	14511	10 Feb.
Hopkins, E. H., Kensington, Eng. Obtaining zinc	15728	5 June.†
Hopkirk, J., and another, Hawera, N.Z. Support-bearing for shaft	15147	23 July.
Hoppe, P., Berlin, Germany. Closing bulkhead-doors	15039	27 June.
Hornbrook, R. H., and another, Canton, U.S.A. (See A. J. Park, Nos. 14986, 14987, 14988.)		
Hornby, F., Liverpool, Eng. Toy or educational device for the young	14407	8 Jan.
Hosking, E., and another, Mount Gambier, S. Aust. Spark-arrester	14958	5 June.
Hosking, W. V., Midhurst, N.Z. Bailing cows	14566	28 Feb.
Hosking, W. V., Midhurst, N.Z. Cow-bailing apparatus	15700	29 Nov.
Hoskins, G. J., Sydney, N.S.W. Joint for pipe	15386	8 Sept.
Hoskins, G. J., Sydney, N.S.W. Machine for closing joints of iron pipes	15751	9 Dec.
How, F. B., Boston, U.S.A. (See Crown Paper Company, No. 14553.)		
Howard, J. E., London, Eng. Compressed-fluid engine	14448	15 Jan.
Hucks, W., jun., London, Eng. Dispensing aerated liquids	14917	21 May.
Hudson, H. A., Wellington, N.Z. Wire-fencing staple	14593	7 March.
Hughes, W. E., Wellington, N.Z. Engine-shaft bearing. (C. Robinson)	14501	6 Feb.
Hughes, W. E., Wellington, N.Z. Electrical distribution. (B. G. Lamme)	14649	20 March.
Hughes, W. E., Wellington, N.Z. Cigarette-packing machine. (Baron Cigarette-machine Company, Limited—L. B. Baron and E. T. Pollard)	14733	10 April.
Hughes, W. E., Wellington, N.Z. Mechanical cashier. (The Mechanical Cashier Syndicate, Limited—I. S. Dement, F. J. Hull, and A. D. King)	14809	1 May.
Hughes, W. E., Wellington, N.Z. Milking-machine. (D. R. Ross)	15564	29 Oct.
Hughes, W. E., Wellington, N.Z. Treating ore. (E. H. Miller and C. Quennell)	15780	18 Dec.
Hughes, W. E., Wellington, N.Z. Electric railway. (G. Gibbs)	15781	18 Dec.
Huhn, G., Berlin, Germany. Metallic packing-ring	14412	10 Jan.
Hull, F. J., and others, Brooklyn, U.S.A. (See W. E. Hughes, No. 14809.)		
Humble, W. H., Geelong, Vic. Valve for gas-compressor	15286	20 Aug.
Hume, E. J., and another, Malmsbury, Vic. Harrow	14816	1 May.
Hume, E. J., and another, Malmsbury, Vic. Wire fence	14817	1 May.
Hume, R. D., Oregon, U.S.A. (See G. S. Duncan, No. 15491.)		
Hume, W. R., and another, Malmsbury, Vic. Harrow	14816	1 May.
Hume, W. R., and another, Malmsbury, Vic. Wire fence	14817	1 May.
Humm, M. L., Waddington, N.Z. Fastening-device for dress-collars	14968	5 June.
Humm, M. L., Waddington, N.Z. Apparatus for table-billiards and table-croquet	14974	9 June.
Humphrey, A. A., London, Eng. Compressing air	15521	16 Oct.
Humphreys, A. W., Wellington, N.Z. Cycle, &c., brake	15215	2 Aug.
Hunt, F. M., Christchurch, N.Z. Preservative for butter	15295	25 Aug.
Hunter. (See Kidston-Hunter.)		
Hunter, J. T., Wellington, N.Z. Electric-current indicator. (F. Conrad)	14611	13 March.
Hunter, J. T., Wellington, N.Z. Controller for electric motor. (T. S. Perkins)	14790	24 April.
Hunter, J. T., Wellington, N.Z. Track-construction for electric railway. (W. Chapman)	14879	15 May.
Hunter, J. T., Wellington, N.Z. Electric motor. (B. G. Lamme)	15070	2 July.
Hunter, J. T., Wellington, N.Z. Incandescent mantle. (Plaissetty Mantle Syndicate, Limited—A. M. Plaissetty)	15312	27 Aug.
Hunter, J. T., Wellington, N.Z. Electric-tram brake. (G. A. Trube and W. Chapman)	15579	30 Oct.
Hunter, W. Y., Transvaal, South Africa. Tent, &c.	15707	2 Dec.
Hupton, H. E., and another, Brighton, Eng. Stand for exhibition purposes	15613	4 Nov.
Hurley, G. A., and another, Wellington, N.Z. Gold-saving	14401	6 Jan.
Hurley, G. A., and another, Wellington, N.Z. Gold-saving appliance	15220	5 Aug.
Hutcheson, W. S., Wellington, N.Z. Snatch-block	14800	23 April.
Hutchins, S., Blenheim, N.Z. Skirt	14892	21 May.
Hutchinson, G. F., and another, Kapuni, N.Z. Kerosene-siphon	14951	4 June.
Hutchinson, R., and another, Wellington, N.Z. Fire-escape	14598	10 March.
Hutchinson, R., and another, Wellington, N.Z. Fire-alarm	14599	10 March.
Hutchinson, R., and another, Wellington, N.Z. Fire alarm and escape	14889	20 May.
Hyde, W. R., Ashburton, N.Z. Generating acetylene-gas	15606	4 Nov.
Hylard, J., and another, St. Kilda, Vic. Magazine-gun	14405	8 Jan.
Hylard, J., St. Kilda, Vic. Detecting and indicating gas in mine	15320	23 Aug.
Hylard, J., St. Kilda, Vic. Detecting and testing gas in mine	15321	23 Aug.
Iggo, R. H., Dunedin, N.Z. Garment-suspenders	14834	1 May.
Imray, O., London, Eng. Electro-magnetic couplings. (J. H. S. Onken)	14992	12 June.
Inglis, G., and another, Auckland, N.Z. Glazing corrugated iron	15637	15 Nov.
Inglis, H. M., Cheviot, N.Z. Index file or clip	14936	23 May.
Innes, N. C., Awatuna East, N.Z. Running out barb-wire	15191	29 July.
International Fuel Company, Chicago, U.S.A. Artificial fuel-briquettes. (W. A. Koneman)	15576	30 Oct.
International Ore-separating Company, Boston, U.S.A. Separating ore pulp. (H. F. Campbell)	15099	10 July.
Inverted Incandescent Gas-lamp Syndicate (Limited), London, Eng. Gas-burner. (W. W. Hare)	14612	13 March.
Irvine, J., Napier, N.Z. Fastener for wire rods	14745	14 April.
Iwan, J. H., and another, Streator, U.S.A. Earth-auger	15790	16 Dec.
Iwan, W. L., and another, Streator, U.S.A. Earth-auger	15790	16 Dec.
Jackson, A. B., and others, Tuparoa, N.Z. Dust, &c., excluder for doors	15222	5 Aug.
Jackson, G. C., and others, Tuparoa, N.Z. Dust, &c., excluder for doors	15222	5 Aug.
Jackson, J. B., Motu, Gisborne, N.Z. Stand for timber-jack	14399	6 Jan.
Jackson, K. C., Masterton, N.Z. Tram-rail clearer	14459	22 Jan.
Jackson, K. C., and another, Masterton, N.Z. Stock-mark	14666	21 March.
Jackson, K. C., and another, Wellington, N.Z. Target	14914	24 May.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS IN THE YEAR 1902—continued.

Name, Residence, and Invention.	No.	Date.
Jackson, N. E., Masterton, N.Z. Wire strainer, holder, and cutter	14582	6 March.
Jackson, N. E., and another, Masterton, N.Z. Stock-mark	14666	21 March.
Jackson, N. E., and another, Wellington, N.Z. Target	14914	24 May.
Jackson, R. B., and another, Nelson, N.Z. Razor-strop	15732	9 Dec.
Jacob, I., and another, Rudolstadt, Germany. Manufacture of fibre from New Zealand flax	15711	29 Nov.
Jacobsen, T. B., Auckland, N.Z. Attaching handle of door-lock	14652	20 March.
Jacobsen, T. B., Auckland, N.Z. Securing door-knob to spindle	14851	6 May.
Jacobsen, T. B., and another, Auckland, N.Z. Securing buttons to garments	14856	8 May.
Jameson, J. M., Leicester, England. (See E. R. Jennings and others, No. 15653.)		
Jamieson, J., and another, Christchurch, N.Z. Dre-sing and moulding limestone	14639	19 March.
Jamieson, W. G., and another, Christchurch, N.Z. Dressing and moulding limestone	14639	19 March.
Jaubert, L., Bulli, N.S.W. Brick	14898	22 May.
Jay, J., Greymouth, N.Z. Furnace	14632	13 March.
Jenkinson, W., New Plymouth, N.Z. Seats for vehicle	15509	9 Oct.
Jennings, E., and others, Christchurch, N.Z. Securing hat to head	15464	29 Sept.
Jennings, E. R., and others, London, Eng. Converting refuse into fuel. (J. M. Jameson)	15653	19 Nov.
Jepsen, J. F., and others, Wellington, N.Z. Broom-handle	15594	4 Nov.
Jepsen, J. S., and others, Wellington, N.Z. Broom-handle	15594	4 Nov.
Jepsen, M., and others, Wellington, N.Z. Broom-handle	15594	4 Nov.
Jepsen, N., and others, Wellington, N.Z. Broom-handle	15594	4 Nov.
Jervis, C. L., Newark-on-Trent, Eng. Potato and seed planter	15453	25 Sept.
Jesson, W. G., Christchurch, N.Z. Driving-mechanism for cycles	15348	2 Sept.
Jewell, J. R., and another, Brunswick, Vic. Locking vehicle-wheels	14645	20 March.
Jewell, W. H., and another, Northcote, Vic. Locking vehicle-wheels	14645	20 March.
Jewiss, A., and another, Auckland, N.Z. Glazing corrugated iron	15637	15 Nov.
Johns, J. T., Onehunga, N.Z. Fruit-preserving pan	14504	7 Feb.
Johnson, F. W., San Francisco, U.S.A. (See E. Waters, jun., N. 14984.)		
Johnson, J., Dunedin, N.Z. Pneumatic foot	15199	30 July.
Johnson, J. T., Waipori, N.Z. Driving dredge by water-power	15086	3 July.
Johnson, M. A., Wellington, N.Z. Lowering, raising, and fastening window-sashes	14535	17 Feb.
Johnson, S. R., Petone, N.Z. Poultry-brooder	15492	9 Oct.
Johnston, A., Devonport, N.Z. Electric-alarm thermometer	15332	28 Aug.
Johnston, C. S., and another, Lyttelton, N.Z. Non-refillable bottle	15053	27 June.
Jones, A. W., and another, Auckland, N.Z. Picture-frame	14696	1 April.
Jones, D. R., and another, Eltham, N.Z. Preserving perishable products	14586	6 March.
Jones, F., Wellington, N.Z. Nail for boots, &c.	15618	12 Nov.
Jones, F. A., and others, Perth, W.A. Appliance for cleaning tram-rails	14863	9 May.
Jones, H. J., Stratford, N.Z. Liquid seal-cover	14749	17 April.
Jones, H., Ascot Vale, Vic. Tobacco-cutting machine	14617	13 March.
Jones, J. W., Sumner, N.Z. Racquet for table-games	14653	19 March.
Jones, W., and another, Oamaru, N.Z. Horse-cover	14966	2 June.
Juriss, W., Christchurch, N.Z. Building-brick	15411	18 Sept.
Kay, W. S., Port Chalmers, N.Z. Oil-fuel boiler	15489	3 Oct.
Keamy, E. N., Auckland, N.Z. Dumb-bell	15271	19 Aug.
Keane, W., and another, Whangamata, N.Z. A machine for stirring auriferous material	14515	12 Feb.
Kee, E. J., Christchurch, N.Z. Utilising waste-heat from lamps	15517	13 Oct.
Keith, A. E., and others, Chicago, U.S.A. (See Strowger Automatic Telephone Exchange, No. 15422.)		
Keller, C. A., Paris, France. Electric blast-furnace	14729	10 April.
Kelly, E. J., and another, Terang, Vic. Milking-machine	15597	5 Nov.
Kelly, E. J., and another, Terang, Vic. Milking-machine	15598	5 Nov.
Kelly, J., Palmerston South, N.Z. Grain-riel for binding-machines	15667	19 Nov.
Kelly, J. D., and others, Wellington, N.Z. Ventilating halls	14952	4 June.
Kelly, R. D., Pigeon Bay, N.Z. Outrigger draw-gear	15254	15 Aug.
Kennedy, M., Timaru, N.Z. Washing-fluid	14954	4 June.
Kennedy, R., and another, Glasgow, Scotland. Milking-apparatus	15151	23 July.
Kennedy, W. F., Saddle Hill, near Dunedin, N.Z. Wire-strainer	14446	15 Jan.
Keoghane, S. O., Bainham, N.Z. Releasing horse from stable	14673	25 March.
Keoghane, S. O., Bainham, N.Z. Fastening ends of machinery-belts	14674	25 March.
Keoghane, S. O., Bainham, N.Z. Balancing window-sashes	14675	25 March.
Keon, W. H., and another, Dunedin, N.Z. Fire-escape	15261	15 Aug.
Keon, W. H., and another, Dunedin, N.Z. Water-closet cistern	15262	15 Aug.
Keon, W. H., Dunedin, N.Z. Pipe-coupling	15349	4 Sept.
Kern Burner Company (Limited), London, Eng. Incandescent mantle. (C. Clamond)	14546	20 Feb.
Kern, C. A., and another, New York, U.S.A. (See Federal Refining Company, No. 14739.)		
Kerr, J., Yering, Vic. Milk-strainer	15292	23 Aug.
Kerr, J., Yering, Vic. Milk-cooler	15293	23 Aug.
Kettag, T., Otautau, N.Z. Securing cover to horse	14708	4 April.
Kettle, F., Roslyn, N.Z. Hat-fastener	14461	22 Jan.
Kettle, F., Roslyn, N.Z. Hat-fastener	14470	22 Jan.
Keys, R. J., Oamaru, N.Z. Patty-pan	15342	2 Sept.
Kibblewhite, W., Wellington, N.Z. Enclosing frying-pans	15607	6 Nov.
Kidd, C. C., Spring Hills, Southland, N.Z. Ditch-plough	15052	25 June.
Kidston-Hunter, A. G., Dunedin, N.Z. Soluble extract of meat	15798	19 Dec.
Kiernan, C. T., and another, Invercargill, N.Z. Rabbit-crate	14778	17 April.
Kilburn, J. F., Toorak, Vic. Wire-strainer	15123	17 July.
Killingsworth, F. H., and another, Christchurch, N.Z. Boot-polisher	15305	25 Aug.
Kincaid, J. W., Cincinnati, U.S.A. Mechanical stoker	15783	18 Dec.
King, A. D., New York. (See W. E. Hughes, No. 14809.)		
King, F. J., Croydon, England. Ore-separator	14810	1 May.
Kingsland, W., London, England. Communicating step-by-step motion to control electric switches	14993	12 June.
Kirkland, E. L., and another, Wellington, N.Z. Fire escape	14650	20 March.
Kirkpatrick, J. S., Pukeuri Junction, N.Z. Locking and signalling at facing-points	14995	9 June.
Klaerr, F., and another, St. Kilda, Vic. Wire mattress. (A. Linaird)	14419	6 Jan.
Klepetchko, F., and another, Montana, U.S.A. Roasting-furnace	14888	20 May.
Knapp, P. A., Grantville, U.S.A. (See The American Amalgamating Company, No. 15152.)		

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS IN THE YEAR 1902—continued.

Name, Residence, and Invention.	No.	Date.
Knight, W. A., Auckland, N.Z. Stewing and preserving pan	14591	4 March.
Knox, W. J., Edgewood Park, Pennsylvania, U.S.A. (See G. Westinghouse, No. 14494.)		
Knox, W. J., Allegheny, U.S.A. (See G. Westinghouse, No. 15479.)		
Knutzen, H. P., Auckland, N.Z. Racing-hurdle	15805	20 Dec.
Köneman, W. A., Chicago, U.S.A. (See International Fuel Company, No. 15576.)		
Köneman, W. A., Chicago, U.S.A. Pulverising-apparatus	15577	30 Oct.
Kortlang, A., and another, Sydney, N.S.W. Extension-table	15775	17 Dec.
Kortlang, L. sen., and another, Sydney, N.S.W. Extension-table	15775	17 Dec.
Kyle, T. D., Sydney, N.S.W. Combustion of fuel in boiler-furnace	14693	3 April.
Laffey, J., and another, Dunedin, N.Z. Fire escape and extinguisher	15116	14 July.
Laffey, J., and another, N.Z. Fire escape, extinguisher, and alarm	15155	21 July.
Laidlaw, R. A. C., Dunedin, N.Z. Cycle-driving mechanism	14760	15 April.
Lajard, De. (See under D.)		
Lake, W. E., and another, Cheltenham, Vic. Butter-cutting machine	14980	10 June.
Lambert, F., Waikaremoana, Hawke's Bay, N.Z. Tension-bridge	15238	8 Aug.
Lambert, F., Waikaremoana, Hawke's Bay, N.Z. Canal for harbour-bar removal	15240	8 Aug.
Lamme, B. G., Pittsburg, U.S.A. (See W. T. L. Travers, No. 14404.)		
Lamme, B. G., Pittsburg, U.S.A. (See J. P. Campbell, No. 14644.)		
Lamme, B. G., Pittsburg, U.S.A. (See W. E. Hughes, No. 14649.)		
Lamme, B. G., Pittsburg, U.S.A. (See J. T. Hunter, No. 15070.)		
Lamson Store-service Company (Limited), London, Eng., and Sydney, N.S.W. Cash-carrier. (J. T. Cowley)	14549	20 Feb.
Lamson Store-service Company (Limited), Sydney, N.S.W., and London, Eng. Pneumatic cash-and-parcel-carrier system. (S. Gates)	15573	30 Oct.
Lamson Store-service Company (Limited), Sydney, N.S.W., and London, Eng. Wire-track cash-and-parcel-carrier system. (S. Gates)	15574	30 Oct.
Lanauze, H. W. C., and another, Linwood, N.Z. Sporting-canoe	14481	27 Jan.
Land, W. A., Canterbury, N.Z. Seed-sower	15007	16 June.
Landsberger, J. A., Alameda, U.S.A. Jar-closures. (E. Goltstein)	15739	10 Dec.
Lane, M. W., Auckland, N.Z. Propeller-hood	15560	28 Oct.
Langford, E., Christchurch, N.Z. Ladder	15596	3 Nov.
Langstone, C. W., and another, Wellington, N.Z. Waterproofing-composition	14440	17 Jan.
Langstone, C. W., and another, Wellington, N.Z. Preservative	14781	22 April.
Langstone, C. W., Wellington, N.Z. Plug-brick	15272	20 Aug.
Langstone, J. E., and others, Wellington, N.Z. Compressed fuel	14651	20 March.
Lanigan, P., Auckland, N.Z. Stone-cutter	14925	22 May.
Larritt, P. A., and another, Eltham, N.Z. Preserving perishable products	14586	6 March.
Lashlie, C., Christchurch, N.Z. Hat and clothes brush	15365	5 Sept.
Law, A., and another, St. Kilda, Vic. Wire mattress	14419	6 Jan.
Lawless. (See under Massey-Lawless.)		
Lawrence, W. H., and another, Glasgow, Scotland. Milking-apparatus	15151	23 July.
Leadbeater, H., jun., Auckland, N.Z. Hair-clipping machine	15757	11 Dec.
Lee, C. G., Whitianga, N.Z. Guttering for buildings	14910	21 May.
Lee, W., and another, Dunedin, N.Z. Breaking clay in sluice-boxes	15182	24 July.
Legge, A. M., Wellington, N.Z. Safety-catch for brooch-pin	14912	24 May.
Leitch, W., Malvern, Vic. Manufacture of sweetmeats	15158	24 July.
Lemire, J., Quebec, Canada. Milk-aerator	14634	18 March.
Lentz, D. H., Joliet, U.S.A. (See Foreign McKenna Process Company, No. 15327.)		
Letson, J. M. K., and another, Vancouver, B.C., Canada. (See H. Peck, Nos. 14544, 14762, 14763, and 14764.)		
Levinge, H. M., Wanganui, N.Z. Igniting and extinguishing street gas lamps	14667	24 March.
Lightband, C. D., and another, Christchurch, N.Z. Sporting-canoe	14481	27 Jan.
Lightband, C. D., Christchurch, N.Z. Cover for pneumatic tires	15495	7 Oct.
Lightband, C. D., Christchurch, N.Z. Resilient leather heel	15621	7 Nov.
Lightband, C. D., Christchurch, N.Z. Binocular-suspender	15622	7 Nov.
Lightband, C. D., and another, Christchurch, N.Z. Leather and rubber composite	15721	3 Dec.
Linaird, A., Balaclava, Vic. (See F. Klaerr and A. Law, No. 14419.)		
Lindsay, J., Burnside, N.Z. Rabbit-crate	15367	8 Sept.
Linotype Company (Limited), London, Eng. Printing in gold, &c., powders. (T. Hooley) ..	15414	18 Sept.
Lion, A., and another, Sydney, N.S.W. Stamping and marking press	14438	16 Jan.
Lister, M. J., Waikari, N.Z. Target	14413	9 Jan.
Lister, M. J., Waikari, N.Z. Target	14908	23 May.
Lobnitz, F., Renfrew, Scotland. Rock-cutting apparatus	14950	30 May.
Lockhead, R., Dunedin, N.Z. Reflector for gas-lamps	15709	29 Nov.
Lodge, O. J., and others, Birmingham, Eng. Receiver for wireless telegraphy	15383	11 Sept.
Long, F. H., Chicago, U.S.A. (See E. Waters, jun., Nos. 14661, 14662.)		
Longdin, G. H., Christchurch, N.Z. Buckle for mail-bags	15054	27 June.
Longland, T. F., and another, Auckland, N.Z. Windmill	14541	20 Feb.
Lorie, A. F. W., Dunedin, N.Z. Sash-fastener	14529	12 Feb.
Lorie, A. F. W., Dunedin, N.Z. Sash-fastener	14554	20 Feb.
Lorie, A. F. W., Dunedin, N.Z. Sash-fastener	15050	24 June.
Lorie, A. F. W., Dunedin, N.Z. Sash-fastener	15145	19 July.
Lorigan, W., Wellington, N.Z. Certificates for trading purposes	15671	22 Nov.
Lorimer, G. W., Piqua, U.S.A. (See American Machine Telephone Company, Limited, No. 14550.)		
Louat, P. C., Sydney, N.S.W. Generating steam	14821	2 May.
Love, J. T., Wellington, N.Z. Milk-can lid	15250	14 Aug.
Lovegrove, H. W., Glen-iti, N.Z. Stand for buckets	14928	24 May.
Lowe, T. S. C., Los Angeles, U.S.A. Manufacture of coke	15494	9 Oct.
Lowrey, L. E., and another, Auburn, Vic. Advertising attachment to incandescent lamp ..	15090	10 July.
Lowson, J. G. F., and another, Midlothian, Scotland. Gelatine	15767	17 Dec.
Lubbers, J. H., New Kensington, U.S.A. (See J. A. Chambers, No. 14429.)		
Lucas, P., Schöneberg, Germany. (See Allgemeine Beleuchtungs und Heiz-Industrie Actien-Gesellschaft, No. 14759.)		
Ludbrook, E. R., and others, Tuparoa, N.Z. Dust, &c., excluder for doors	15222	5 Aug.
Ludington, F. J., Waterbury, U.S.A. (See United Cigarette-machine Company, No. 15249.)		
Lund, J. G. F., Christiania, Norway. Wall	15779	18 Dec.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS IN THE YEAR 1902—*continued*.

Name, Residence, and Invention.	No.	Date.
Luxford, E. H., Fitzroy, Vic. Combined mattress or bed and bolster ..	15355	4 Sept.
Luxford, W. L., Dannevirke, N.Z. Traction on wooden rails ..	15056	30 June.
Lyell, A., Lawrence, N.S.W. Cycle-carrier for railway-car ..	14513	11 Feb.
Lyell, A., Palmerston North, N.Z. Race-starting gate ..	14744	15 April.
Lyell, A., Palmerston North, N.Z. Filter and butter-cooler ..	14960	6 June.
Lyell, A., Palmerston North, N.Z. Candlestick, match-box, and striker combined ..	14961	6 June.
Lyell, A., Palmerston North, N.Z. Portable race-starting gate ..	14962	6 June.
Lyell, A., Palmerston North, N.Z. Egg-cup ..	14963	6 June.
Lyell, A., Palmerston North, N.Z. Butter-dish ..	14964	6 June.
Macalister, J., Invercargill, N.Z. Seed-sower ..	14495	1 Feb.
Macalister, J., Invercargill, N.Z. Seed-sower ..	14704	2 April.
Macalister, J., Invercargill, N.Z. Seed-sower ..	14705	2 April.
Macalister, J., Invercargill, N.Z. Grain, turnip, and manure drill ..	14824	30 April.
Macalister, J., Invercargill, N.Z. Seed-sower ..	14977	31 May.
Macartney, J., Sydney, N.S.W. (See A. Dunbar, No. 15157.)		
Macdonald, St. C. N. H., Auckland, N.Z. Rotary engine ..	15132	18 July.
Mackie, J., and another, Auckland, N.Z. Fire-extinguisher ..	14538	18 Feb.
Mackie, J., Auckland, N.Z. Grate draught-regulator ..	15480	3 Oct.
Mackley, J. F., Greymouth, N.Z. Boot-sole ..	14658	21 March.
Mackey, J. J., Auckland, N.Z. Kettle ..	14424	9 Jan.
Mackey, J. J., Auckland, N.Z. Shirt for holding studs securely ..	14482	24 Jan.
Mackey, J. J., Auckland, N.Z. Shirt-neck and collar-fastening ..	14542	17 Feb.
Mackey, J. J., and another, Auckland, N.Z. Nut-lock ..	14626	12 March.
Mackey, J. J., Auckland, N.Z. Button-holes ..	14843	2 May.
Mackey, J. J., Auckland, N.Z. Nut-lock ..	15280	19 Aug.
MacLean, G. F. S., and another, Dunedin, N.Z. Merchandise-conveyor ..	14561	24 Feb.
Macpherson, J., and another, Wellington, N.Z. Delivering tailings from dredge ..	14460	22 Jan.
MacWilliam, H. G., New Rochelle, U.S.A. Braces ..	15823	30 Dec.
Madden, W. A., Boulder City, W.A. Ore-roasting furnace ..	15516	16 Oct.
Madill, W. H., Tuakau, N.Z. Pump ..	14509	10 Feb.
Mahon, E. A., and another, Montreal, Canada. Engine ..	14768	16 April.
Maindonald, F. J., Waimate, N.Z. Vaporising water ..	14848	6 May.
Malden, A., and another, London, Eng. Agglomerating ore ..	15514	16 Oct.
Malden, W. J., and another, London, Eng. Agglomerating ore ..	15514	16 Oct.
Mallett, J., Devonport, N.Z. Spark-arrester ..	15315	27 Aug.
Malmstrom, P. E., New York, U.S.A. (See American Mineral-water Machine Company, No. 14804.)		
Manners, S. H., Norwood, S. Aust. Root-grubbing machine ..	15759	15 Dec.
Manners, S. H., Norwood, S. Aust. (See H. Thatcher, No. 15317.)		
Manson, T. H., and another, Nelson, N.Z. Truss ..	15381	8 Sept.
Marcard, F. T. H. M. J., Adelaide, S. Aust. Reciprocatory motor ..	15582	31 Oct.
March, N., and another, Wellington, N.Z. Carriage-lamp ..	14756	17 April.
Marchbank, J., Broadford, Vic. (See N. Bidstrup, No. 14540.)		
Marconi, G., and others, London, Eng. Wireless telegraphy ..	15689	3 May.
Marconi's Wireless Telegraph Company, and another, London, Eng. Wireless telegraphy ..	15689	3 May.
Marisco, F., Invercargill, N.Z. Gold-dredging ..	14409	10 Jan.
Marple, J. H., Oporirao, N.Z. Holding book for reading ..	14537	18 Feb.
Marriott, W., and another, Wanganui, N.Z. Match-striker ..	14442	17 Jan.
Martin, E., and another, London, Eng. Vehicle wheel and tire ..	14619	13 March.
Maslin, E., Marseilles, France. Steam-boiler furnace ..	15079	3 July.
Mason, A. J., and another, Wellington, N.Z. Non-refillable bottle ..	14782	22 April.
Mason, J. B., Dunedin, N.Z. Grading and concentrating-table ..	14420	6 Jan.
Mason, J. B., and another, Dunedin, N.Z. Driving dredge machinery ..	14421	6 Jan.
Mason, J. B., Dunedin, N.Z. Concentrating-table ..	15372	6 Sept.
Mason, J. J., Timaru, N.Z. Wash-tub and emptying same ..	15181	23 July.
Mason, W. E., and another, Wellington, N.Z. Non-refillable bottle ..	14782	22 April.
Massey, A. J., Gisborne, N.Z. New indoor game ..	15107	11 July.
Massey-Lawless, H. J. K., and another, Wingatui, N.Z. Apparatus for boiling eggs ..	15303	22 Aug.
Massie, J. G., Belleville, U.S.A. Illuminating-compound ..	15233	4 Aug.
Masters, A. B., Clinton, N.Z. Water-gauge for steam-boiler ..	15585	31 Oct.
Matheson, D., and another, Otakaia, N.Z. Animal-trap ..	15505	10 Oct.
Matthews, E. T., Benmore, N.Z. Watch-pocket ..	14475	23 Jan.
Matthews, F., Wellington, N.Z. Preventing horses running away with vehicle ..	14913	24 May.
Matthews, F., Wellington, N.Z. Horse-stopper and wheel-lock ..	14953	4 June.
Matthews, F., Wellington, N.Z. Brake for vehicle ..	15792	19 Dec.
Maude, T., Christchurch, N.Z. Atomiser ..	15535	20 Oct.
Maxted, T. D'A. C., Blenheim, N.Z. Closet-seat lid ..	15409	15 Sept.
May, H., and another, Meningie, S. Aust. Sheep-shears ..	14932	29 May.
May, H., and another, Meningie, S. Aust. Sheep-shears ..	15161	24 July.
Mayne, W., Mildura, Vic. Engine-valve gear ..	15583	31 Oct.
Mayo, B. F., Salem, U.S.A. (See United Shoe Machinery Company, Nos. 14697, 15413, 15650.)		
Mayr, H., Auckland, N.Z. Safety-sash ..	15591	30 Oct.
Mayson, T. W., Auckland, N.Z. Motor ..	15685	22 Nov.
McArthur, D. W., Paeroa, N.Z. Paper-feeder for typewriter ..	15430	23 Sept.
McBride, J. C., Queenstown, N.Z. Indicating apparatus, &c. ..	15510	9 Oct.
McCarthy, J. W., Wellington, N.Z. Dinner-plate ..	15008	16 June.
McConachy, P. H., Gore, N.Z. Staple ..	15641	18 Nov.
McCormack, T., and others, Dunedin, N.Z. Fire-escape ladder ..	15146	19 July.
McCormick, M., Upper Waitohi, N.Z. Seed-sower ..	14727	7 April.
McCormick, M., Temuka, N.Z. Controlling propeller ..	15548	16 Oct.
McCracken, A., Greensborough, Vic. Explosive ..	14757	17 April.
McCurdie, W. D. R., Dunedin, N.Z. Bottle-corking ..	15793	17 Dec.
McCurdie, W. D. R., Dunedin, N.Z. Marking survey pegs ..	15794	17 Dec.
McDonald, H. E., Wellington, N.Z. Vehicle-wheel ..	15389	12 Sept.
McDonald, H. E., Wellington, N.Z. Cuff-protector ..	15448	26 Sept.
McDonough, T., Hobart, Tasmania. Lamp-extinguisher ..	15496	9 Oct.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS IN THE YEAR 1902—continued.

Name, Residence, and Invention.	No.	Date.
McDougall, D., and another, Wellington, N.Z. Removing coal from ships' holds ..	14861	9 May.
McDougall, S., London, Eng. Lavatory-requisite ..	15807	22 Dec.
McFarland, S., and another, Auckland, N.Z. Picture-frame ..	14696	1 April.
McFarlane, A., Invercargill, N.Z. Fire-escape ..	14597	6 March.
McFarlane, A., Upper Hutt, N.Z. Butter and other boxes ..	15063	30 June.
McFarlane, T., Auckland, N.Z. Ascertaining co-ordinate of plane right-angled triangles ..	14500	6 Feb.
McFeely, R. F., Beverly, U.S.A. (See United Shoe Machinery Company, Nos. 14547, 14698.)		
McGee, T., Ashburton, N.Z. Sheep-shears ..	15066	1 July.
McGowan, H., Randwick, N.S.W. Electric lamp ..	15410	18 Sept.
McGowan, H., East Melbourne, Vic. Linotype machine ..	15717	4 Dec.
McIlwraith, Q. A., Kaipara, N.Z. Uncoiling wire ..	15065	27 June.
McIntosh, J., and another, Timaru, N.Z. Brakes for vehicle ..	14894	20 May.
McIntyre, C., and others, Wellington, N.Z. Ping-pong net ..	15344	3 Sept.
McIvor, J. F., Dunedin, N.Z. Preventing loss of dredge bucket on breaking of a connection ..	15082	2 July.
McKay, H. V., Ballarat, Vic. Seed-drill. (J. and J. Andrewartha) ..	14746	14 April.
McKay, J., Kilmore, Vic. Target-score indicator ..	15354	4 Sept.
McKay, N. G., Epsom, N.Z. Tin bottle for drenching horse ..	14531	13 Feb.
McKee, M. A., New York, U.S.A. (See E. Waters, jun., No. 14807.)		
McKenzie, A. W., and another, Timaru, N.Z. Opening bivalves ..	15239	8 Aug.
McKenzie, D., Dunedin, N.Z. Penholder ..	15817	30 Dec.
McKenzie, J. B., and another, Timaru, N.Z. Opening bivalves ..	15239	8 Aug.
McKenzie, R., Invercargill, N.Z. Edged tools ..	15722	2 Dec.
McKenzie, W., and another, Isla Bank, N.Z. Lifting-jack ..	15760	15 Dec.
McKerrow, J. C., and another, Wellington, N.Z. Preservative ..	14781	22 April.
McKinna, J., and another, Gore, N.Z. Ferrule for tobacco-pipe, &c. ..	14840	5 May.
McKinney, W. S., Chicago, U.S.A. (See C. E. Billin, No. 14728.)		
McKinnon, J., Whareora, N.Z. Distance-indicator for train ..	15816	29 Dec.
McLaughlin, M. A., San Francisco, U.S.A. (See G. W. Basley, No. 15001.)		
McLean, J., Wellington, N.Z. Controlling-gear for reversing engine ..	15802	22 Dec.
McLean, R., Ranfurly, Otago, N.Z. Animal-trap ..	14595	7 March.
McLean, W., Invercargill, N.Z. Billiard-apparatus ..	15649	19 Nov.
McLean, W. J., Waihi, N.Z. Pot-stick and washing-tongs ..	14860	9 May.
McLellan, N. B., Bannockburn, N.Z. Door-retainer ..	15428	19 Sept.
McLennan, T. C., and another, Belfast, N.Z. Non-refillable bottle ..	15085	5 July.
McLennan, T. C., and another, Belfast, N.Z. Non-refillable bottle ..	15106	9 July.
McLeod, A., Auckland, N.Z. Brand ..	14432	13 Jan.
McLeod, A., Auckland, N.Z. Game ..	14450	16 Jan.
McLeod, A., Auckland, N.Z. Branding-appliance ..	14796	25 April.
McLeod, A., Auckland, N.Z. Burner and heater ..	15498	6 Oct.
McLeod, A., Auckland, N.Z. Branding animals ..	15512	9 Oct.
McLeod, F., and others, Wellington, N.Z. Compressed fuel ..	14651	20 March.
McLeod, F., and another, Wellington, N.Z. Non-refillable bottle ..	14723	8 April.
McLeod, F., Wellington, N.Z. Non-refillable bottle ..	15030	23 June.
McLeod, H. N., and another, Wellington, N.Z. Gold-dredging ..	14401	6 Jan.
McLeod, H. N., and another, Wellington, N.Z. Gold-saving apparatus ..	15220	5 Aug.
McMeekin, J. P., and another, Melbourne, Vic. Packing rabbits ..	14466	24 Jan.
McMiken, S. D., and another, Komata, N.Z. Vessel for treating ores ..	14883	12 May.
McMillan, J. L., Ilion, New York. Rotary engine ..	14935	29 May.
McMillan, J. L., Syracuse, New York, U.S.A. Rotary engine ..	15610	6 Nov.
McMillan, T., Wylie's Crossing, N.Z. Window-blind ..	15427	20 Sept.
McMullen, G., and others, Perth, W.A. Cleaning grooves of tram-rails ..	14863	9 May.
McNarry, J., Oamaru, N.Z. Wire-strainer ..	14996	10 June.
McNaught, T., Amberley, N.Z. Horse cover ..	14685	27 March.
McNaught, W., Alexandra South, N.Z. Animal-trap ..	15377	8 Sept.
McNeill, J. F., Melbourne, Vic. Seed-sower ..	14567	27 Feb.
McNeill, J. K., and another, Wanganui, N.Z. Compressing ensilage ..	15376	10 Sept.
McPhee, J. A., Dunedin, N.Z. Nail extractor and cutter ..	14997	10 June.
McPhee, J. H. A., Dunedin, N.Z. Separating magnetic materials ..	14849	3 May.
McTear, B. F., Rainhill, Lancaster, Eng. Manufacture of steel tubes ..	14403	6 Jan.
Mead, J., Auckland, N.Z. Bookcase-fastener, &c. ..	15559	23 Oct.
Mechanical Cashier Syndicate (Limited), London, Eng. (See W. E. Hughes, No. 14809.)		
Memory, A. W., and another, Wellington, N.Z. Settee, couch, &c. ..	14512	11 Feb.
Mercer, F., and others, Marton, N.Z. Sprayer ..	14707	5 April.
Mercer, T., and others, Stratford, N.Z. Sprayer ..	14707	5 April.
Messenger, T. W., Quorn, S. Aust. Ear-trumpet ..	14721	8 April.
Metallic Compounds Separation Syndicate (Limited), London, Eng. Depositing fumes from ore. (W. W. Fyfe)	15572	30 Oct.
Metcalf, W. H., Marrickville, N.S.W. Manufacturing manure from waste animal material ..	15813	27 Aug.
Metters, C. H., and another, Melbourne, Vic. Open fire grate ..	15098	10 July.
Metters, J. T., and another, Melbourne, Vic. Open fire-grate ..	15098	10 July.
Michelli, W. T., Dunedin, N.Z. Window-fastening ..	15010	17 June.
Miller, E. H., and another, London, Eng. (See W. E. Hughes, No. 15870.)		
Miller, F. A., Lawrence, N.Z. Table for invalids ..	14600	10 March.
Miller, F. A., Lawrence, N.Z. Knife-cleaner ..	14924	26 May.
Miller, F. A., Lawrence, N.Z. Lifting-jack ..	15888	12 Sept.
Miller, W. O., and another, Roslyn, N.Z. Fire-escape ..	15261	15 Aug.
Miller, W. O., and another, Roslyn, N.Z. Water-closet cistern ..	15262	15 Aug.
Millis, J. H., and another, Dunedin, N.Z. Gold-saving apparatus ..	14457	18 Jan.
Millis, R., and another, Dunedin, N.Z. Gold-saving apparatus ..	14457	18 Jan.
Milsom, E., and another, Rangiora, N.Z. Venetian-blind ..	14944	31 May.
Milsom, E., and another, Rangiora, N.Z. Securing veil ..	15062	30 June.
Mitchell, A. C., and another, Invercargill, N.Z. Feed-water heater for boiler ..	14831	2 May.
Mitchell, G., and another, Arizona, U.S.A. Utilising heat from slag ..	15424	19 Sept.
Mitchell, T., Ballarat, Victoria. Poisoning rabbits ..	15778	18 Dec.
Moate, J. T., Adelaide, S. Aust. Advertising ..	14812	1 May.
Moffatt, H. L., and others, Motneka, N.Z. Signalling state of tide ..	15776	17 Dec.
Moison, J. M., Ashburton, N.Z. Mechanical nurse ..	15484	6 Oct.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS IN THE YEAR 1902—continued.

Name, Residence, and Invention.	No.	Date.
Mole, de. (See under D.)		
Montague, F., and another, Dunedin, N.Z. Fire escape and extinguisher ..	15116	14 July.
Montague, F., and another, Dunedin, N.Z. Fire escape, extinguisher, and alarm ..	15155	21 July.
Montalk, De. (See under D.)		
Moore, F., Marrickville, N.S.W. Oil and grease separator ..	15762	12 Dec.
Moore, J. C., New York, U.S.A. Sewing-machine ..	14456	21 Jan.
Moore, J. J., and another, San Francisco, U.S.A. Explosive compound ..	15048	27 June.
Moore, W., and another, Invercargill, N.Z. Rabbit-crate ..	14778	17 April.
Morgan, R. A., and another, Lyttelton, N.Z. Non-refillable bottle ..	15053	27 June.
Moroney, J., Hastings, N.Z. Combined girth and surcingle ..	14629	15 March.
Moseley, M. E., and another, Sydney, N.S.W. Stamping and marking ..	14438	16 Jan.
Moss, E., Christchurch, N.Z. Rotary motor ..	14552	20 Feb.
Moss, J., Melbourne, Vic. Window-sash ..	15821	30 Dec.
Moyes, J. A., and another, Hawera, N.Z. Support-bearing for shaft ..	15147	23 July.
Muirhead, A., and others, Shortlands, Eng. Receiver for wireless telegraphy ..	15383	11 Sept.
Mullan, A., San Francisco, U.S.A. (See Economic Hoisting and Ballast Company, No. 15749.)		
Mullay, T. S., and another, Invercargill, N.Z. Marine preserving-composition ..	14881	13 May.
Munro, J., and another, Wellington, N.Z. Potato-chipper ..	15402	16 Sept.
Murdoch, H. H., Hastings, N.Z. Set-square ..	15660	19 Nov.
Murison, J., Dunedin, N.Z. Bush for dredge-tumbler ..	14683	25 March.
Murison, J., and another, Dunedin, N.Z. Securing sleeve on lower tumbler-shaft of bucket-dredge to tumbler ..	14808	26 April.
Murphy, D., Tuamarina, N.Z. Plummer-block ..	14891	19 May.
Murphy, J., Fordell, N.Z. Horse-cover ..	15500	10 Oct.
Murphy, J. T., Blenheim, N.Z. Harness ..	15658	20 Nov.
Murray, A. C., Cromwell, N.Z. Coal-scuttle ..	14444	15 Jan.
Murray, A. C., Cromwell, N.Z. Can-handle ..	14445	15 Jan.
Murray, A. C., Cromwell, N.Z. Tap ..	14622	10 March.
Murray, A. C., and another, Cromwell, N.Z. Perambulator ..	14870	9 May.
Murray, A. C., Cromwell, N.Z. (See A. J. Park, No. 15361.)		
Murray, J., Fairlie, N.Z. Clothes-line and clothes-peg ..	14465	24 Jan.
Murray, R. L. H., Auckland, N.Z. Water-heater ..	15536	16 Oct.
Mutton, T., and another, Brighton, Eng. Stand for exhibition purposes ..	15613	4 Nov.
Mutual Benefit Bonus Company (Limited), Sydney, N.S.W. Trade coupon and advertising method. (J. T. and J. Callaghan)	14580	6 March.
Napier, T., Hawera, N.Z. Boot-polishing machine ..	15580	30 Oct.
Nathan, A. H., Auckland, N.Z. Packing tea, &c. (F. H. Combes and W. F. Tucker)	15403	16 Sept.
Neagle, J., Dannevirke, N.Z. Lead-bag for racehorse ..	14398	4 Jan.
Neagle, J., Dannevirke, N.Z. Horse-cover fastener ..	14854	7 May.
Nees, H. F., and another, Dunedin, N.Z. Elevating tailings ..	15005	13 June.
Neilsen, H., and another, Blackball, N.Z. Gold-saving mat ..	14422	11 Jan.
Nelson, J., and another, Dunedin, N.Z. Separating black sand in littoral deposits ..	15003	11 June.
Nernst Electric Light (Limited), London, England. Nernst lamp. (G. S. Ram and E. G. Sheppard)	14732	10 April.
Nethery, J. W., Indianapolis, U.S.A. (See H. L. Wallace, No. 15423.)		
Neustadt, M., Sydney, N.S.W. Delivering disinfectant to charge of water. (J. L. Wade)	15210	2 Aug.
Newcomb, E. C., and another, Jamaica Plain, U.S.A. Generating steam ..	14436	7 June, 01†
Newman, G., Auckland, N.Z. Fire-escape ..	14717	5 April.
Newman, G. F., Peel Forest, Canterbury, N.Z. Waterproof-composition ..	15634	17 Nov.
Newton, H. B., Haverhill, U.S.A. Hand tacking-tool. (A. Hebert)	14523	13 Feb.
Niccolls, A. E., Auckland, N.Z. Waste-converter ..	15033	24 June.
Nichol, G. M., Campbelltown, N.Z. Bicycle-pedal ..	15140	17 July.
Nichol, H., Invercargill, N.Z. Gratings in cooking-ranges ..	14681	27 March.
Nichol, H., Invercargill, N.Z. Shears ..	14938	26 May.
Nicholas, C. E., Matlock, Vic. Steam-condenser ..	14583	6 March.
Nicholas, C. E., Launceston, Tas. Table-game of cricket ..	14819	2 May.
Nicholas, R., Christchurch, N.Z. Windmill-mechanism ..	14929	27 May.
Nichols, W., and another, New Plymouth, N.Z. Horse-cover fastening ..	15766	15 Dec.
Nicholson, H. A., Bluff, N.Z. Oil and gas motor ..	15290	19 Aug.
Nicol, W., Invercargill, N.Z. Sheep-shears ..	15002	11 June.
Nicol, W., Invercargill, N.Z. Candlestick ..	15119	11 July.
Nicol, W., and another, Invercargill, N.Z. Candlestick ..	15179	24 July.
Nicol, W., Invercargill, N.Z. Hair-curler ..	15288	18 Aug.
Nicol, W., and another, Invercargill, N.Z. Candlestick ..	15308	22 Aug.
Nicolson, S., Gore, N.Z. Knife cleaner and sharpener ..	15276	20 Aug.
Nicolson, S., Gore, N.Z. Tire-removing appliance ..	15659	20 Nov.
Nightingale, A., Auckland, N.Z. Couch ..	15156	22 July.
Noble, A. H. P., and another, Christchurch, N.Z. Rabbit-exterminator ..	15057	28 June.
Norris, J. B., and another, Dunedin, N.Z. Creating and circulating cold air ..	14502	4 Feb.
North, T. W., Christchurch, N.Z. Horse-collar ..	15380	11 Sept.
North, T. W., and others, Christchurch, N.Z. Securing hat to head ..	15464	29 Sept.
Nuttall, G., Blackball, Westland, N.Z. Life-saving jacket ..	15761	15 Dec.
Nuttall, W. T., and another, Wanganui, N.Z. Dropper for wire fence ..	15755	13 Dec.
Oakden, F., Dunedin, N.Z. Manufacturing cement ..	14605	8 March.
O'Connell, E. T., and others, Dunedin, N.Z. Fire-escape ladder ..	15146	19 July.
O'Connor, E., Westport, N.Z. Trusses, belts, &c. ..	14839	5 May.
Odering, J. W., and another, Christchurch, N.Z. Connecting bicycles with trailed carriage ..	15177	26 July.
Odering, J. W., and another, Christchurch, N.Z. Motor-attachment to bicycles ..	15306	25 Aug.
O'Donoghue, J., Waimate, N.Z. Chaff-cutter and corn-crusher ..	14601	10 March.
Ollerenshaw, W., and another, South Dunedin, N.Z. (See A. F. Roy, No. 15263.)		
Ollerenshaw, W., and another, Christchurch, N.Z. Motor-attachment to bicycles ..	15306	25 Aug.
Olsen, O. M. J., Toongabbie, N.S.W. Construction-nails ..	15518	13 Oct.
Onken, J. H. S., Berlin, Germany. (See O. Imray, No. 14992.)		
Ornstien, F. S., Kensington, Vic. Wheel tire cover ..	15703	29 Nov.
Ornstien, F. S., Kensington, Vic. Shaping wheel-tire cover ..	15704	29 Nov.
O'Rourke, T. M., and another, Matakitaiki, N.Z. Dredge-screen and elevator ..	15153	23 July.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS IN THE YEAR 1902—*continued*.

Name, Residence, and Invention.	No.	Date.
Orr, J., jun., Temuka, N.Z. Holding bags for filling	15120	14 July.
Osmond, C. H., Dunedin, N.Z. Artificial minnow	14684	26 March.
Osmond, C. H., Dunedin, N.Z. Attaching articles to line	14785	21 April.
Over, W., Auckland, N.Z. Antiseptic dressing	14533	13 Feb.
Owen, M. J., Toledo, U.S.A. (See Toledo Glass Company, No. 15522.)		
Oxlade, R., and another, Redfern, N.S.W. Electric telegraphy	14731	10 April.
Page, C. E., Christchurch, N.Z. Extensible table	15006	16 Junr.
Painter, F. W., Christchurch, N.Z. Bicycle-holder	15284	22 Aug.
Palethorpe, F. C., and others, Wellington, N.Z. Ping-pong net	15344	3 Sept.
Pallant, W. J., Palmerston North, N.Z. Broom	15733	9 Dec.
Pallant, W. J., Palmerston North, N.Z. Cramping-tool	15734	9 Dec.
Park, A. J., Ngaruawabia, N.Z. Delivering steam into steam heating appliance	14452	21 Jan.
Park, A. J., Ngaruawabia, N.Z. Operating window-sashes	14455	21 Jan.
Park, A. J., Dunedin, N.Z. Mirror	14472	22 Jan.
Park, A. J., Dunedin, N.Z. Truck for street-cars. (R. H. Hornbrook and W. H. Woodcock)	14986	7 June.
Park, A. J., Dunedin, N.Z. Trucks. (R. H. Hornbrook and W. H. Woodcock) ..	14987	7 June.
Park, A. J., Dunedin, N.Z. Truck-bolster for street-cars. (R. H. Hornbrook and W. H. Woodcock)	14988	7 June.
Park, A. J., Dunedin, N.Z. Chair. (A. C. Murray)	15261	5 Sept.
Parker, A. W., Auckland, N.Z. Electric railway	15446	20 Sept.
Parker, D. P., and another, Coromandel, N.Z. Acetylene generator	15616	7 Nov.
Parker, J., and others, Auckland, N.Z. Advertising	15184	25 July.
Parkin, V., Dunedin, N.Z. Bacon-slicer	14837	5 May.
Parkinson, R. W., and another, Greymouth, N.Z. Gold-saving mat	14422	11 Jan.
Parrott, E. J., Christchurch, N.Z. Making lime, artificial stone, &c... ..	14866	7 May.
Parsons, Hon. C. A., Newcastle-on-Tyne, Eng. Steam-turbine blade	14905	23 May.
Parsons, Hon. C. A., Newcastle-on-Tyne, Eng. Marine steam-turbine blade ..	15351	4 Sept.
Parsons, Hon. C. A., Newcastle, Eng. Condenser	15601	5 Nov.
Paterson, F. W., Dunedin, N.Z. Road-sweeper	14823	30 April.
Paterson, F. W., Dunedin, N.Z. Vote-recorder	15174	23 July.
Paterson, J., and another, Gisborne, N.Z. Clothes-wringer	15474	1 Oct.
Paterson, J., Gisborne, N.Z. Attachment to bicycle	15788	17 Dec.
Patten, P., Christchurch, N.Z. Clothes-pocket	14555	21 Feb.
Patten, P., Christchurch, N.Z. Nail	14712	5 April.
Patten, P., Christchurch, N.Z. Filter-trap for sewage	14713	5 April.
Patten, P., Christchurch, N.Z. Ridges for roofing	14714	5 April.
Payne, F. W., Dunedin, N.Z. Centrifugal tailings-stacker	14636	15 March.
Payne, F. W., Dunedin, N.Z. Tailings-elevator	15343	30 Aug.
Payne, J., Auckland, N.Z. Converting ordinary into a spring dumb-bell ..	15639	14 Nov.
Payne, W., and another, Orange, N.S.W. Treating copper-ores	15014	19 June.
Pearce, R. W., Upper Waitohi, N.Z. Bicycle	14507	8 Feb.
Pearson, G. L., Lincoln, Canterbury, N.Z. Boring and well-driving	14904	23 May.
Pease, E. L., Darlington, Eng. Structural arrangement	15740	10 Dec.
Peck, H., Vancouver, B.C. Can-end soldering-machine. (J. M. K. Letson and F. W. Burpee)	14544	20 Feb.
Peck, H., Vancouver, B.C., Canada. Can-washing machine. (J. M. K. Letson and F. W. Burpee)	14762	18 April.
Peck, H., Vancouver, B.C., Canada. Can-capping machine. (J. M. K. Letson and F. W. Burpee)	14763	18 April.
Peck, H., Vancouver, B.C., Canada. Die for forming can-ends. (J. M. K. Letson and F. W. Burpee)	14764	18 April.
Peck, J. S., Pittsburg, U.S.A. (See W. T. L. Travers, No. 14430.)		
Peck, T. G., and others, Auckland, N.Z. Fire-escape	15387	8 Sept.
Pegler, F., Greymouth, N.Z. Blackboard-easel	14825	29 April.
Pegler, F., Greymouth, N.Z. Laundry iron-heater and support for cooking-utensils	14847	28 April.
Pegler, F., Greymouth, N.Z. Ruler	14926	27 May.
Pennington, H., and another, Ngaire, N.Z. Milk cooler and aerator	14556	24 Feb.
Pennington, R. E., and another, Melbourne, Vic. Lock-nut plate	15623	13 Nov.
Penny, C. W., Te Akatea, N.Z. Pearl-fishing boat	15275	20 Aug.
Pepperell, J. W., and another, Belfast, N.Z. Non-refillable bottle	15085	5 July.
Pepperell, J. W., and another, Belfast, N.Z. Non-refillable bottle	15106	9 July.
Percival, G., Narromine, N.S.W. Bicycle-crank	14562	27 Feb.
Perrin, E. C., and another, Melbourne, Vic. Boot-sole	15279	21 Aug.
Perkins, T. S., Idlewood, U.S.A. (See J. T. Hunter, No. 14790.)		
Perks, J., and another, Christchurch, N.Z. Attachment to range	15136	15 July.
Perky, H. D., New York, U.S.A. Biscuit-making machine	15688	27 Nov.
Perotti, G. J., Greymouth, N.Z. Amalgamator	14464	22 Jan.
Perotti, G. J., Greymouth, N.Z. Amalgamator	14676	26 March.
Perrin, S., Auckland, N.Z. Air and gas carburetter	14853	3 May.
Perrin, S., Auckland, N.Z. Air and gas carburetter	15034	20 June.
Peryer, M., Christchurch, N.Z. Composition for painted surfaces	14441	16 Jan.
Peryer, M., Christchurch, N.Z. Composition for painted surfaces	14606	10 March.
Peters, H. C., Invercargill, N.Z. Clothing-grip	15502	10 Oct.
Peterson, C., Dublin, Ireland. Pipe and cigar and cigarette holder	15016	19 June.
Peterson, P., Timaru, N.Z. Life-saving appliance. (L. Rosengren)	15338	1 Sept.
Pfaff, A., Melbourne, Vic. Preserving eggs	15322	28 Aug.
Phillips, L., and another, Greymouth, N.Z. Delivering tailings	14460	22 Jan.
Phillimore, A. E., Bath, Eng. Bedstead	15226	7 Aug.
Phillips, J. M., Wharepapa, N.Z. Windmill	14516	12 Feb.
Phillips, J. M., Wharepapa, N.Z. Windmill	15551	25 Oct.
Philpott, T. S., and another, Wellington, N.Z. Fire-escape	14598	10 March.
Philpott, T. S., and another, Wellington, N.Z. Fire-alarm	14599	10 March.
Philpott, T. S., Wellington, N.Z. Oiling axles of vehicles	14609	12 May.
Philpott, T. S., and another, Wellington, N.Z. Fire alarm and escape	14889	20 May.
Philpott, T. S., and another, Wellington, N.Z. Indicating lengths of rolls of textile material	15471	3 Oct.
Philpott, T. S., Wellington, N.Z. Non-refillable bottle	15475	6 Oct.
Pierce, G. P., Melbourne, Vic. Calculating-apparatus	14865	9 May.
Pifer, G. N., Cleveland, U.S.A. Photographic apparatus	15527	25 Oct., '01+

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS IN THE YEAR 1902—continued.

Name, Residence, and Invention.	No.	Date.
Pifer, G. N., Cleveland, U.S.A. Photographic plate	15528	25 Oct., '01*
Pifer, G. N., Cleveland, U.S.A. Coin-controlled machine	15731	18 Dec., '01*
Pike, A. S., Wellington, N.Z. Belt and rope tightener	15747	11 Dec.
Pike, C. D., Wellington, N.Z. Fastener for door-mat, &c.	14524	13 Feb.
Pinnock, J. M., Waikouaiti, N.Z. Malted food	15114	11 July.
Pitt, G. W., and another, London, Eng. Vehicle wheel and tire	14619	18 March.
Pitt, R. C., and another, Christchurch, N.Z. Pneumatic tire	14408	8 Jan.
Plaissetty, A. M., Paris, France. (See J. T. Hunter, No. 15312.)		
Plaissetty Mantle Syndicate (Limited), London, Eng. (See J. T. Hunter, No. 15312.)		
Pledger, J. H., Dunedin, N.Z. Window-sash adjuster	15081	30 June.
Plews, A. S., London, Eng. Manufacture of white oxide of antimony	14643	20 March.
Plummer, I. A., Woollahra, N.S.W. Patterns for drafting garments	14487	30 Jan.
Pollard, E. T., and another, Liverpool, Eng. (See W. E. Hughes, No. 14733.)		
Pomeroy, J., Invercargill, N.Z. Hat-fastener	14414	8 Jan.
Pomeroy, J., Invercargill, N.Z. Sheep-shears	14590	1 March.
Pomeroy, J., Invercargill, N.Z. Bowl for cooking-pot	14741	9 April.
Pomeroy, J., Invercargill, N.Z. Sheep-shears	14829	2 May.
Pomeroy, J., Invercargill, N.Z. Lacing articles	14947	29 May.
Pomeroy, J., Invercargill, N.Z. Sewing-thimble	15059	27 June.
Pomeroy, J., Invercargill, N.Z. Sewing-palm	15060	27 June.
Pomeroy, J., Invercargill, N.Z. Fountain-pen	15087	3 July.
Pool, A. J., and another, Gisborne, N.Z. Clothes-wringer	15474	1 Oct.
Pope, J. H., Brockton, U.S.A. (See United Shoe Machinery Company, No. 14789.)		
Porchère, P., Lyons, France. (See Porcherine, Limited, No. 14402.)		
Porcherine (Limited), London, Eng. Sweetening-liquid. (P. Porchère)	14402	6 Jan.
Porritt, W., and another, Perth, W.A. Jointing iron plates	14587	6 March.
Porter, A. H., and another, Waihi, N.Z. Fire-grate	14971	7 June.
Porter, F. H., Wellington, N.Z. Wire-strainer	14979	9 June.
Porter, J. W., Williamstown, Vic. Operating moving target	15230	7 Aug.
Porter, T. R., Wellington, N.Z. Axe-head	14959	6 June.
Porter, T. R., Wellington, N.Z. Billiard-cues	14982	11 June.
Porter, T. R., Wellington, N.Z. Securing neckties	14983	11 June.
Porter, T. R., Wellington, N.Z. Bicycle handle-grip	15674	24 Nov.
Potter, F. S., Auckland, N.Z. Vehicle-spring	15144	17 July.
Powell, J. H., Caulfield, Vic. Table-game	15224	4 Aug.
Poynter, J. B., Wellington, N.Z. Picking up balls	15133	18 July.
Preddy, F. W., Rangiora, N.Z. Window-fastener	15026	20 June.
Preston, H., and another, Invercargill, N.Z. Horse-collar	14568	28 Feb.
Priest, S., jun., West Devonport, Tas. Hub-brake and free wheel	15042	27 June.
Pritzkow, W., and another, Salzgungen, Germany. Manufacture of fibre from New Zealand flax	15711	29 Nov.
Prollius, O., Copenhagen, Denmark. Centrifugal machine	14918	21 May.
Prouse, W. J., Wellington, N.Z. Bevelled rebated weatherboard	14922	26 May.
Pruden, G. E., Christchurch, N.Z. Flooring-cramp	14948	30 May.
Pulman, G., Drury, N.Z. Textile letter-tracing	14909	21 May.
Purkiss, J., Halecombe, N.Z. Matchbox	14621	14 March.
Purvis, J., and another, London, Eng. Artificial stone	15069	2 July.
"Pyrojim" Syndicate (Limited), and another, London, Eng. Converting house-refuse into fuel. (J. M. Jameson)	15653	19 Nov.
Queensland Meat Export and Agency Company (Limited), and another, Pinkenba and Townsville, Queensland. Joint for tin or can	14614	13 March.
Quennell, C., and another, London, Eng. (See W. E. Hughes, No. 15780.)		
Quertier, H., Gore, N.Z. Machine for filling gravel	15501	10 Oct.
Quertier, H., Gore, N.Z. Excavating, washing, &c., ballast	15586	31 Oct.
Quilter, T. F., and another, Waipori, N.Z. Removing clay from dredge-bucket	15175	23 July.
Quinby, W. C., and another, Alameda, U.S.A. Explosive	15048	27 June.
Rabbidge, P., Sydney, N.S.W. Connecting alarm to telephone exchange	14493	6 Feb.
Rakowitzky, S. D. S., and another, Vilna, Russia. (See American Tobacco Company, No. 15071.)		
Rakowitzky, S. S. D., and another, Vilna, Russia. (See American Tobacco Company, No. 15071.)		
Rakowitzky, S. D. S., Vilna, Russia. (See American Tobacco Company, No. 15072.)		
Ram, G. S., and another, London, Eng. (See Nernst Electric Light, Limited, No. 14732.)		
Ramage, G., and another, Centre Bush, Southland, N.Z. Non-refillable bottle	14596	6 March.
Ramsay, J., Round Hill, N.Z. Gold-saving table	15656	17 Nov.
Ramsay, J., Round Hill, N.Z. Gold-saving table	15726	5 Dec.
Ramsay, K. S., Dunedin, N.Z. Stand for ping-pong	14795	22 April.
Ramsay, K. S., and others, Perth, W.A. Cleaning grooves of tram-rails	14863	9 May.
Rauhoff, J. M., Chicago, U.S.A. Converting motion	14641	20 March.
Rawnsley, E. G., Christchurch, N.Z. Table-tennis apparatus	14610	11 March.
Rawson, P., and another, Christchurch, N.Z. Boot-polisher	15305	25 Aug.
Ray, C., Christchurch, N.Z. Pneumatic tire	14395	3 Jan.
Raymond, K., Invercargill, N.Z. Boot-laces	14906	19 May.
Raymond, K., Invercargill, N.Z. Laces and stay-lacing	14976	4 June.
Raymond, K., Invercargill, N.Z. Hat-fastener	14994	6 June.
Raymond, K., Invercargill, N.Z. Hair-curler	15111	8 July.
Rayson, P., Elsternwick, Vic. Spanner-attachment	15159	24 July.
Rayward, H. H., and another, Wellington, N.Z. Gold-dredging machinery	14463	22 Jan.
Rayward, H. H., Dunedin, N.Z. Ping-pong racquet	14793	22 April.
Rayward, H. H., and another, Wellington, N.Z. Distributing sewage into filter-beds. (G. E. Ridgway)	15417	18 Sept.
Rayward, H. H., and another, Wellington, N.Z. Self-flushing time-valve. (G. E. Ridgway)	15418	18 Sept.
Rayward, H. H., and another, Wellington, N.Z. Extracting zinc from ores. (G. D. Delprat)	15681	26 Nov.
Rayward, H. H., and another, Wellington, N.Z. Extracting sulphide from ores. (G. D. Delprat)	15687	27 Nov.
Rayward, T. N., London, Eng. (See F. H. W. Cowper, No. 15431.)		
Reardon, P. H., San Francisco, U.S.A. Pressure-regulator	14638	15 March.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS IN THE YEAR 1902—*continued*.

Name, Residence, and Invention.	No.	Date.
Recht, F., and another, New York, U.S.A. Bottle-closures	14655	21 March.
Reece, W., and others, Christchurch, N.Z. Securing hat to head	15464	29 Sept.
Reeves, A. E., Mataura, N.Z. Scutching-machine	15710	29 Nov.
Reid, D., jun., and another, Dunedin, N.Z. Separating black sand in littoral deposits	15003	11 June.
Reid, R. S., Timaru, N.Z. Window	14867	10 May.
Reid, W. G., and another, Dunedin, N.Z. Secateur	15200	30 July.
Reilly, J., and others, Wellington, N.Z. Marine governor	15633	15 Nov.
Reilly, J. G., South Melbourne, Vic. Window-sash fastener	15441	25 Sept.
Restorck, E. J., Richmond, Vic. Attaching woven wire to bedsteads	15168	24 Feb.*
Reynolds, W. H., Clareville, N.Z. Spreader for draught-chains of vehicles	14722	8 April.
Rice, T., Feilding, N.Z. Clip for umbrella-ribs	15513	14 Oct.
Richardson, E., Hawthorn, Vic. Fittings of locomotive-boilers	14581	6 March.
Richardson, E., Hawthorn, Vic. Extracting gold, &c.	15000	13 June.
Richardson, W. J. W., and another, Petersham, N.S.W. Electric telegraphy	14731	10 April.
Riddell, W., Dunedin, N.Z. Butter-printer	14473	23 Jan.
Riddell, W., Dunedin, N.Z. Butter-lifter	14474	23 Jan.
Ridgway, G. E., Brentwood, Eng. (See E. S. Baldwin and H. H. Rayward, Nos. 15417 and 15418.)		
Rigaud, H. C., and another, London, Eng. (See The Conversion Company (Billing's Machinery and Process), Limited, No. 14720.)		
Rillstone, C., Dunedin, N.Z. Spark-preventer	15112	8 July.
Risstrom, E. O., Rushworth, Vic. Show-stand for axe, &c.	15385	11 Sept.
Robb, G. M., Potts Point, N.S.W. (See A. K. Smith, No. 15393.)		
Robb, J., Ohingaiti, N.Z. Parcelling butter	15713	3 Dec.
Roberts, H., and another, Auckland, N.Z. Lock	15183	24 July.
Roberts, L., Dunedin, N.Z. Dress-cutting chart	15241	6 Aug.
Roberts, T., Nelson, N.Z. Construction of windows	15546	21 Oct.
Roberts, T., Nelson, N.Z. Face-pivot hinge	15763	16 Dec.
Robertson, C. M., Christchurch, N.Z. Hair-restorer	15194	31 July.
Robertson, D., Wellington, N.Z. Mail-marking machine	14686	1 April.
Robertson, J., and another, Lawrence, N.Z. Sowing seed	15550	16 Oct.
Robertson, J., Maheno, N.Z. Ditch-plough	15588	29 Oct.
Robertson, J. P., North Sydney, N.S.W. Fire-alarm	15165	24 July.
Robertson, L. D., Sandymount, N.Z. Spurs	14975	5 June.
Robertson, L. D., Sandymount, N.Z. Spring-hook	15328	26 Aug.
Robertson, M. J., Geelong, Vic. Cash-carrier	15277	21 Aug.
Robertson, P. F. A., and another, Lawrence, N.Z. Sowing seed	15550	16 Oct.
Robertson, R. E., Auckland, N.Z. Air-brake	15708	2 Dec.
Robertson, T., Ballarat, Vic. Rabbit-poisoning	15778	18 Dec.
Robertson, T. S., and another, Sale, Vic. Puttie-legging	14788	24 April.
Robinson, A. A., and another, Moorooka, Queensland. Butter-printing machine	15543	23 Oct.
Robinson, C., Edgewood Park, Pennsylvania, U.S.A. (See W. E. Hughes, No. 14501.)		
Robinson, C., Auckland, N.Z. Destruction of vermin	15046	27 June.
Robinson, E. E., and others, Birmingham, Eng. Receiver for wireless telegraphy	15383	11 Sept.
Robinson, H. A., and another, Dunedin, N.Z. Wire mattress and bedstead	15333	30 Aug.
Robinson, S., and another, Dunedin, N.Z. Wire mattress and bedstead	15333	30 Aug.
Robinson, W., and another, Strathearn, N.Z. Catch for door	14751	17 April.
Robson, J., Ngaire, N.Z. Sawing-machine	15655	19 Nov.
Rodier, W., Cobar, N.S.W. Rabbit-trap	14934	29 May.
Roger, J., and another, London, Eng. Obtaining extract of tea	15664	18 Nov.
Rogers, F. E., and another, Mount Gambier, S. Aust. Spark-arrester	14958	5 June.
Rogers, J., and another, Greymouth, N.Z. Ruler and blotting-pad	15128	14 July.
Rooney, J. W., Dunedin, N.Z. Fire-escape	15037	23 June.
Rose Gold Reclamation Company, and another, San Francisco. (See E. Waters, jun., No. 14984.)		
Rose, J., Caversham, N.Z. Trap for liberating pigeons	15004	13 June.
Rose, J. F., Takaka, N.Z. Protection of river-banks	14484	21 Jan.
Rose, J. F., Takaka, N.Z. Protection of river-banks	15113	12 July.
Rosengren, L., Trilleborg, Sweden. (See P. Petersen, No. 15338.)		
Ross, D. R., Brunswick, Vic. (See W. E. Hughes, No. 15564.)		
Ross, D. R., Brunswick, Vic. Milking-machine	15626	15 Nov.
Ross, F., Mohaka, N.Z. Cough-mixture	15270	18 Aug.
Ross, G. D., Glasgow, Scotland. Shifting points of tramway, &c., lines	14588	6 March.
Ross, H. I. M., Dunedin, N.Z. Double-current ventilator	14894	14 May.
Ross, M. L., Paris, France. Burner	15347	3 Sept.
Ross, N., Halcombe, N.Z. Coupling-hook for chains	15011	17 June.
Rouse, T., and another, Middlesex, Eng. Artificial stone	15069	2 July.
Roussell, J., and another, Wellington, N.Z. Fastener	14765	18 April.
Roussell, J., and another, Wellington, N.Z. Oiling carriage-axles	14766	18 April.
Roussell, J., and another, Wellington, N.Z. Draught-preventer for door	14836	5 May.
Rowe, W., Marrickville, N.S.W. Railway-traffic-control system	15316	28 Aug.
Rowntree, A., South Rakai, N.Z. Moustache-guard	14624	11 March.
Roy, A. F., Dunedin, N.Z. Horse-cover fastening	15021	17 June.
Roy, A. F., Dunedin, N.Z. Waterproofing-composition. (J. Taylor and W. Ollerenshaw)	15263	15 Aug.
Rugg, J., Auckland, N.Z. Broom-rack	15401	11 Sept.
Runge, W. C., London, Eng. Sound-trumpet of graphophones	15047	27 June.
Russell, G., and another, Dunedin, N.Z. Water-sprinkling cart	15473	30 Sept.
Russell, J. J., Milton, N.S.W. (See J. Channon, No. 15678.)		
Russell, T., Sydenham, N.Z. Street-sweeper	14921	26 May.
Russell, T. G., and another, Christchurch, N.Z. Rabbit-exterminator	15057	28 June.
Rutherford, J. S., Nelson, N.Z. Medicated biscuit	15074	2 July.
Ryan, F. L., Christchurch, N.Z. Table-tennis apparatus	14937	28 May.
Ryan, F. L., Christchurch, N.Z. Ping-pong apparatus	14949	30 May.
Sadler, J., Waiatiwa, N.Z. Wire-strainer	15264	15 Aug.
Sagnol, P. E., and another, Brisbane, Queensland. Relief-valve	15719	4 Dec.
Salinger, J., Auckland, N.Z. Operating air-brake on train	14665	20 March.
Salinger, J., Auckland, N.Z. Operating air-brake on train	14748	18 April.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS IN THE YEAR 1902—*continued.*

Name, Residence, and Invention.	No.	Date.
Salmon, J. B., and others, Dunedin, N.Z. Leggings	14506	7 Feb.
Salmon, J. J., and others, Dunedin, N.Z. Leggings	14506	7 Feb.
Salomo, H., Melbourne, Vic. Supports for chairs	15469	3 Oct.
Sanders, R. D., Blackheath, Eng. Electro-deposition of metals	14813	1 May.
Saunders, M., Pleasant Point, N.Z. Harvesting-machine	15022	18 June.
Sawyer, C., Wellington, N.Z. Paint-brush binder	15319	28 Aug.
Saxton, E., Nelson, N.Z. Cycling-gauntlet	15028	23 June.
Schmitt, E. D., Baltimore, U.S.A. (See Universal Seal and Stopper Company, Nos. 14886 and 14690.)		
Schnetzer, K., Aussig-on-Elbe, Austria. Soap-moulding machine	15727	3 Dec.
Schwartz, J. S., and others, Wellington, N.Z. Ping-pong net	15344	3 Sept.
Scoringe, P., and another, Timaru, N.Z. Vehicle-brake	14894	20 May.
Scoringe, P., Timaru, N.Z. Trouser-clip	15359	4 Sept.
Scott, J., and another, Dunedin, N.Z. Tailing-elevator	15005	13 June.
Scott, J. R., Boston, U.S.A. (See United Shoe Machinery Company, No. 15207.)		
Scott, R., Waipukurau, N.Z. Attachment to bedstead	15163	24 July.
Searle, W. E., Oamaru, N.Z. Saddlery-keeper	14777	19 April.
Secor, J. A., New York, U.S.A. Explosion-motor	14571	3 March.
Sellars, G. J., jun., and another, Christchurch, N.Z. Toasting-appliance	14742	14 April.
Sellars, W. J., Christchurch, N.Z. Non-refillable bottle	14710	7 April.
Senior, A. I., Wellington, N.Z. Reversing motion of steam-engine	15285	22 Aug.
Severin, H., Achem, Germany. Manufacture of glass articles	15690	27 Nov.
Seymour, D., Napier, N.Z. Siphon	15302	26 Aug.
Seymour, J. H., and another, Dunedin, N.Z. Hat-fastener	14702	4 April.
Seymour, J. H., and another, Dunedin, N.Z. Hat-fastener	14740	11 April.
Shailer, G., Palmerston North, N.Z. (See C. Dahl, No. 15035.)		
Shale, T., Dunedin, N.Z. Dredging-ladder	14711	..
Sharp, J., jun., and another, Nelson, N.Z. Razor-strop	15732	9 Dec.
Sharples, D. T., West Chester, U.S.A. Mechanical milking	15309	27 Aug.
Shattky, C. H., Hastings, N.Z. Securing spotting-discs on canvas targets	14901	17 May.
Shattky, C. H., Hastings, N.Z. Canvas or paper target	14902	17 May.
Shaw, S., East Richmond, Vic. Self-lighting gasfitting	14899	22 May.
Shaw, W. E., Sydney, N.S.W. Tobacco-box	15209	2 Aug.
Shedd Electric and Manufacturing Company, The, New York, U.S.A. Ventilator. (T. R. Weyant)	15443	25 Sept.
Shepherd, J., Dunedin, N.Z. Dredging machinery	14657	21 March.
Shepherd, J., Dunedin, N.Z. Dredging machinery	15097	10 July.
Shepherd, J., Dunedin, N.Z. Dredging machinery	15503	10 Oct.
Shepherd, E. G., and another, London, Eng. (See Nernst Electric Light, Limited, No. 14732.)		
Shipway, C. J., and another, Meningie, S. Aust. Sheep-shears	14932	29 May.
Shipway, C. J., and another, Meningie, S. Aust. Sheep-shears	15161	24 July.
Siegfried, R., Pittsburg, U.S.A. (See W. T. L. Travers, No. 14620.)		
Sievwright, W., and another, Gisborne, N.Z. Marine composition	14881	13 May.
Sigley, J., Gisborne, N.Z. Weatherproof newspaper-box	15236	2 Aug.
Sigley, J., Hokitika, N.Z. Gold-saving apparatus	15358	5 Sept.
Sigley, J. R., Gisborne, N.Z. Concrete tank	15301	22 Aug.
Silk, M. B., Sydney, N.S.W. Cloth-shrinking apparatus	15166	24 July.
Simmonds, R., Coromandel, N.Z. Kerosene-tap	14803	29 April.
Simpson, F., Port Chalmers, N.Z. Attachment to screw-cutting lathe	15187	29 July.
Simpson, G., Richmond, Vic. Sash-fastener	15337	30 Aug.
Sinclair, D., and another, Christchurch, N.Z. Upright and extension for table-tennis	14783	21 April.
Sinnnet, R. H., Wellington, N.Z. Dredge-screen	15325	29 Aug.
Sivertsen, P., Dunedin, N.Z. Artificial fertilisation	14784	12 April.
Slack, E. A., Gisborne, N.Z. Dental suction-cells. (T. Slack)	14521	5 Feb.
Slack, T., Sheffield, Eng. (See E. A. Slack, No. 14521.)		
Slack, W. F., Wellington, N.Z. Ventilator	15552	25 Oct.
Sleeper, F. H., and another, Westmount, Canada. Engine	14768	16 April.
Slemitz, C., Wellington, N.Z. Washing copper	15064	30 June.
Small, J., Port Chalmers, N.Z. Determining quantity of liquid in refrigerating-apparatus	14830	2 May.
Small, J., Port Chalmers, N.Z. Inlet of suction-pipe	15334	30 Aug.
Smart, A., jun., and others, Auckland, N.Z. Fire-escape	15387	8 Sept.
Smethurst, J., Wyalong, N.S.W. Tank	14754	17 April.
Smethurst, W., Brynmair, Wales. (See The Smethurst Furnace and Ore-treatment Syndicate, Limited, No. 14868.)		
Smethurst Furnace and Ore-treatment Syndicate (Limited), London, Eng. Treatment of substances with nascent carbon-dioxide. (W. Smethurst)	14868	7 May.
Smith, A., and another, Wellington, N.Z. Renewing window-cords	15499	10 Oct.
Smith, A. A. S., Aberdeen, N.S.W. Mail-bag lock	15162	24 July.
Smith, A. D., Edinburgh, Scotland. Buffer-coupler	15248	14 Aug.
Smith, A. K., Sydney, N.S.W. Table-tennis, &c., scorer. (G. M. Robb)	15393	10 Sept.
Smith, F. E., and others, Greymouth, N.Z. Gold-saving apparatus	15396	13 Sept.
Smith, G. C., St. Kilda, Vic. Screw	15201	30 July.
Smith, H., Kew, Vic. Decorating woodwork	14648	20 May, '01*
Smith, H., Coventry, Eng. (See G. W. Basley, No. 15724.)		
Smith, H. R., and another, Christchurch, N.Z. Sandal	15178	25 July.
Smith, J. D., Dunedin, N.Z. Hair-curler	14663	21 March.
Smith, J. D., Dunedin, N.Z. Food-plate	15612	4 Nov.
Smith, J. F., Cromwell, N.Z. Rope-grip	14477	25 Jan.
Smith, R. F., Dunedin, N.Z. Window-sash fastener	15027	19 June.
Smith, R. S., Christchurch, N.Z. Attachment to leg of furniture	15378	8 Sept.
Smith, S., and another, Christchurch, N.Z. Sandal	15178	25 July.
Smith, T., and another, Melbourne, Vic. Flushing-cistern	15694	27 Nov.
Smith, W. N., Ballarat, Vic. Table-tennis net	15608	6 Nov.
Smyth, E., and another, Kennedy Bay, N.Z. Snatch-block	15252	12 Aug.
Snapper, R., Albert Park, Vic. Boot-fastener	15213	2 Aug.
Soffe, S., Wellington, N.Z. Reservoir-attachment to wash-tank	14965	6 June.
Soper, F., Dunedin, N.Z. Bicycle-crank	15118	14 July.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS IN THE YEAR 1902—continued.

Name, Residence, and Invention.	No.	Date.
Sorensen, O., Paeroa, N.Z. Concentrator	14458	25 Feb.
Soutter, A., Buluwayo, South Africa. Non-refillable bottle	15346	3 Sept.
Spreckels, C. A., and another, New York, U.S.A. (See Federal Refining Company, No. 14739.)		
Sprey, E., New Brighton, N.Z. Fastening for boots, &c.	15744	11 Dec.
Stacey, J., and another, Auckland, N.Z. Medicated sweetmeat	15808	20 Dec.
Stafford, G., and another, Wellington, N.Z. Dressing and washing flax	14872	13 May.
Staples, J. E., and another, Wellington, N.Z. Branding-fluid	14668	24 March.
Staples, J. E., and another, Wellington, N.Z. Branding-fluid	14694	3 April.
Staples, L., and another, Christchurch, N.Z. Ventilating boots	15399	12 Sept.
Stedman, S. R., Dunedin, N.Z. Cultivator	15438	22 Sept.
Steele, J. T., Surrey, Eng. Binding and holding sheets of paper	15741	10 Dec.
Steele, T. J., Auckland, N.Z. Treating clay for road-making	15131	18 July.
Steenberg, J. F., Dunedin, N.Z. Butter-moulder	14919	21 May.
Steer, W., Napier, N.Z. Boot or shoe heel	14469	22 Jan.
Stephenson, C. W., Wellington, N.Z. Patch for bicycle-tire	15109	11 July.
Steuart, D. S. S., London, Eng. Pulveriser	14766	18 April.
Steuart, W., and another, Auckland, N.Z. Reduction of ironsand, &c.	15661	18 Nov.
Steuart, W., and another, Auckland, N.Z. Reduction of ironsand, &c.	15662	18 Nov.
Stevenson, T., Dunedin, N.Z. Shaft-bush	15419	17 Sept.
Stewart, H. F., Cobram, Vic. Wire-strainer	15198	29 July.
Stewart, J., and another, Rangiora, N.Z. Venetian-blind	14944	31 May.
Stewart, J., and another, Rangiora, N.Z. Securing veil	15062	30 June.
Stewart, J. H., and another, Invercargill, N.Z. Candlestick	15119	11 July.
Stewart, J. H., and another, Invercargill, N.Z. Candlestick	15179	24 July.
Stewart, J. H., and another, Invercargill, N.Z. Candlestick	15308	22 Aug.
Stewart, J. K., Chicago, U.S.A. Shearing-tool	15091	10 July.
Stewart, W., Albury, N.S.W. Fire-escape	14418	6 Jan.
Stewart, W., Dunedin, N.Z. Copying-ink	14525	11 Feb.
Stewart, W., Dunedin, N.Z. Copying-ink	15530	15 Oct.
Stiggins, E. A., Beverly, U.S.A. (See United Shoe Machinery Company, Nos. 14548 and 14882.)		
Storrie, A., Invercargill, N.Z. Roller and cleaner	14367	19 Dec.
Storrie, A., Invercargill, N.Z. Seed sower and hopper	14423	8 Jan.
Stortnebeker, H. C., and another, Tingha, N.S.W. Starting horse-races	15716	4 Dec.
Stretton, S. S., Ongarua, N.Z. Saucepan-lid	15666	21 Nov.
Stringer, J. A., and others, Nelson, N.Z. Hot-house	14435	15 Jan.
Strowger Automatic Telephone Exchange, Chicago, U.S.A. Automatic telephone exchange. (A. E. Keith and J. and J. C. Erickson)	15422	19 Sept.
Struthers, A. L. F., Whangarei, N.Z. Towel-rack	14659	21 March.
Stuart, H. R., Pittsburg, U.S.A. (See J. P. Campbell, No. 15785.)		
Stuart, Burdett. (See under B.)		
Suckling, R. L., Christchurch, N.Z. Lamp-wick	15307	25 Aug.
Sudholz, F. W., Footscray, Vic. Attachment to plough	15398	13 Sept.
Summerton, F. L., and another, Christchurch, N.Z. Cycle-propelling mechanism	15433	23 Sept.
Summerton, F. L., and others, Christchurch, N.Z. Sustaining air-pressure in tire	15567	28 Oct.
Suteliffe, T., Stoke Newington, Eng. Aerating liquids	15824	31 Dec.
Sutherland, A., Balclutha, N.Z. Wire-strainer	14569	28 Feb.
Suttie, R. L., Onehunga, N.Z. Oiling axles	15818	30 Dec.
Swanell, C. T., and another, Dunedin, N.Z. Breaking clay in sluice boxes	15182	24 July.
Swann, C. J., and another, Greymouth, N.Z. Gold-saving screen	15563	25 Oct.
Sweet, G., Brunswick, Vic. Hollow ware	14411	10 Jan.
Swinburne, V. G., Auckland, N.Z. Divider compass	14490	31 Jan.
Swinerton, W., Auckland, N.Z. Stand for ironing-board	15558	24 Oct.
Symmans, G. W., and another, Taranaki, N.Z. Kerosene-siphon	14951	4 June.
Tandy, C., Wellington, N.Z. Telescope-ladder	14841	5 May.
Tandy, C., Wellington, N.Z. Tire for vehicle-wheel	14842	5 May.
Tanner, F., and another, Waihi, N.Z. Claw-hammer	14478	24 Jan.
Taplin, T., Dannevirke, N.Z. Raising liquids by compressed air	14939	30 May.
Tas, H., Melbourne, Vic. Chair-silencer	14585	6 March.
Tas, H., Melbourne, Vic. Bedstead	14613	13 March.
Taylor, A., Dunedin, N.Z. Boot-sole	14890	20 May.
Taylor, A., and another, Dunedin, N.Z. Spring-hook	14998	9 June.
Taylor, A., and another, Dunedin, N.Z. Wrench	14999	9 June.
Taylor, D., and another, Otakia, N.Z. Animal-trap	15505	10 Oct.
Taylor, J., and another, Dunedin, N.Z. (See A. F. Roy, No. 15263.)		
Taylor, J. H. R., Riverton, N.Z. Branding cheese	14497	6 Feb.
Taylor, J. L., and another, Orange, N.S.W. Treating copper-ores	15014	19 June.
Taylor, M., Paris, France. Gas-engine	15748	11 Dec.
Taylor, W., Sandiacre, Eng. Railway shunting-lever	14499	6 Feb.
Taylor, W., and another, Sydenham, N.Z. Ventilating boots	15399	12 Sept.
Temperley, E. A., Marton, N.Z. Incubator	15211	2 Aug.
Thatcher, H., Hyde Park, S. Aust. Attachment to bicycles, boats, &c., for a shade, sail, &c. (S. H. Manners)	15317	28 Aug.
Thies, C. E., and another, Auburn, Vic. Advertising-attachment to incandescent lamp	15090	10 July.
Thode, G. W., London, Eng. (See J. Chambers and Son, Limited, Nos. 14671-2.)		
Thomas, H., and another, Invercargill, N.Z. Feed-water heater for boiler	14831	2 May.
Thomas, J., and another, Sydney, N.S.W. (See the Mutual Benefit Bonus Company, Limited, No. 14580.)		
Thomas, J. H., Christchurch, N.Z. Hedge-cutter	14736	9 April.
Thomas, W., Geraldine, N.Z. Printing process	14607	10 March.
Thompson, A., and another, Wellington, N.Z. Carriage-lamp	14756	17 April.
Thompson, A., and another, Wellington, N.Z. Fastener to take place of bolt or nut	14765	18 April.
Thompson, A., and another, Wellington, N.Z. Oiling carriage-axles	14766	18 April.
Thompson, A., and another, Wellington, N.Z. Draught-preventer for door	14836	5 May.
Thompson, C. W., Johannesburg, South Africa. Rock-drill	15771	17 Dec.
Thompson, D., Wanganui, N.Z. Capturing moths, &c.	15195	31 July.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS IN THE YEAR 1902—*continued*.

Name, Residence, and Invention.	No.	Date.
Thompson, V., Wellington, N.Z. Culinary instrument	14692	2 April.
Thomsen, W. A., Rotorua, N.Z. Securing hat to head	15461	1 Oct.
Thomson, J., Invercargill, N.Z. Treating washdirt	15799	17 Dec.
Thomson, J., Invercargill, N.Z. Treating washdirt	15800	18 Dec.
Thomson, J., Invercargill, N.Z. Treating washdirt	15801	18 Dec.
Thrum, J. A., Fernhill, Vic. Manure-planter	14488	30 Jan.
Tipton, O., Carlton, Vic. Manure and seed sower	15041	27 June.
Todd, A. B., Invercargill, N.Z. Lime, manure, and seed scatterer	14417	8 Jan.
Todd, R., Invercargill, N.Z. Restoring overworked sponge in manufacture of bread	15470	3 Oct.
Toledo Glass Company, Toledo, U.S.A. Gathering and shaping glass. (M. J. Owens)	15522	16 Oct.
Tonkin, F. J., Eketahuna, N.Z. Rain-water filter	15340	1 Sept.
Tonks, T., and another, Brisbane, Queensland. Relief-valve	15719	4 Dec.
Toogood, W., Featherston, N.Z. Fibre-washing machine	14715	7 April.
Topliss, H. J., and another, Christchurch, N.Z. Utilising exhaust of gas-engine	15339	1 Sept.
Tornaghi, A., Sydney, N.S.W. Governor for steam-engine	14563	27 Feb.
Tosswill, R. D., and another, Upper Matakita, N.Z. Dredge screen and elevator	15153	23 July.
Towgood, E. T., and others, Wanganui, N.Z. Tent	14603	10 March.
Towgood, E. T., and others, Wanganui, N.Z. Tobacco-pipe	14774	19 April.
Towgood, E. T., Wanganui, N.Z. Measuring out liquids	14815	1 May.
Towgood, E. T., and another, Wanganui, N.Z. Rat-trap	15031	23 June.
Towgood, Y. S., and others, Wanganui, N.Z. Tobacco-pipe	14774	19 April.
Towgood, Y. S., and others, Wanganui, N.Z. Tent	14603	10 March.
Travers, W. T. L., Wellington, N.Z. Windings for electrical machine. (B. G. Lamme)	14404	7 Jan.
Travers, W. T. L., Wellington, N.Z. Electrical distribution. (J. S. Peck)	14430	14 Jan.
Travers, W. T. L., Wellington, N.Z. Collector-ring for electrical machine. (R. Siegfried)	14620	13 March.
Travers, W. T. L., Wellington, N.Z. Metallic box-making machinery. (F. E. Wattne)	15164	24 July.
Traves, J., Russell's Flat, N.Z. Scarifier	15379	8 Sept.
Tripe, J. D., Wanganui, N.Z. Securing windows, &c.	15244	11 Aug.
Tripp, E. J., and another, Bristol, Eng. Treating beer for bottling	14833	1 May.
Trolley, R., Grantham, Eng. Straw-trussers, &c.	15600	5 Nov.
Trotter, C. A., Opuake, N.Z. Range-finder for rifles	14773	19 April.
Trube, G. A., and another, London, Eng. (See J. T. Hunter, No. 15579.)		
Trudgeon, W. G., and another, North Melbourne, Vic. Portable washing-copper	15692	27 Nov.
Trumble, T. A., Haldane, N.Z. Staples for wire fence	15036	23 June.
Tucker, W. F., and another, Auckland, N.Z. (See A. H. Nathan, No. 15403.)		
Tudehope, R., and another, Auckland, N.Z. Ventilator	15481	3 Oct.
Turnbull, T. O., Kawhia, N.Z. Device for carrying children	14716	7 April.
Turnbull, W., Wellington, N.Z. Pivoting-arrangement for fanlights, &c.	14978	9 June.
Turner, G., Blenheim, N.Z. Lacing boots, &c.	15360	5 Sept.
Tuttle, W. I., Baltimore, U.S.A. (See American Tobacco Company, No. 15246.)		
Twemlow, H. H., Riverton, N.Z. Drain-tap	14897	16 May.
Tyree, W., Sydney, N.S.W. Acetylene-gas generator	15447	26 Sept.
Tyrrell, J., jun., Queenstown, N.Z. Pump	15451	26 Sept.
Underwood, A., Wellington, N.Z. Game	15193	30 July.
United Cigarette-machine Company, London, Eng. Cigarette-machine. (F. J. Ludington)	15249	14 Aug.
United Shoe Machinery Company, Paterson, U.S.A. Lasting-machine. (R. F. McFeely)	14547	20 Feb.
United Shoe Machinery Company, Paterson, U.S.A. Lasting-machine. (E. A. Stiggins)	14548	20 Feb.
United Shoe Machinery Company, Paterson, U.S.A. Machine for inserting fastenings. (L. A. Casgrain)	14347	20 March.
United Shoe Machinery Company, Paterson, U.S.A. Heel-nailing machine. (B. F. Mayo)	14697	3 April.
United Shoe Machinery Company, Paterson, U.S.A. Pulling-over machine. (R. F. McFeely)	14698	3 April.
United Shoe Machinery Company, Paterson, U.S.A. Jack for heel-nailing machine. (J. H. Pope)	14789	24 April.
United Shoe Machinery Company, Paterson, U.S.A. Lasting-machine. (E. A. Stiggins)	14882	16 May.
United Shoe Machinery Company, Paterson, U.S.A. Turning boots, &c. (A. Eppler)	15103	10 July.
United Shoe Machinery Company, Paterson, U.S.A. Skiving-machine. (E. F. Davenport)	15203	2 Aug.
United Shoe Machinery Company, Paterson, U.S.A. Skiving-machine. (C. H. Bayley)	15204	2 Aug.
United Shoe Machinery Company, Paterson, U.S.A. Inserting fastenings. (E. T. Freeman)	15205	2 Aug.
United Shoe Machinery Company, Paterson, U.S.A. Welt-sewing machine. (E. E. Winkley)	15206	2 Aug.
United Shoe Machinery Company, Paterson, U.S.A. Leather-skiving machine. (J. R. Scott)	15207	2 Aug.
United Shoe Machinery Company, Paterson, U.S.A. Stitch-separating machine. (J. B. Hadaway)	15208	2 Aug.
United Shoe Machinery Company, Paterson, U.S.A. Pressing-form for sole-laying machine. (G. H. Gifford)	15228	7 Aug.
United Shoe Machinery Company, Paterson, U.S.A. Assorting nails. (B. F. Mayo)	15418	18 Sept.
United Shoe Machinery Company, Paterson, U.S.A. Machine for trimming boots, &c. (B. F. Mayo)	15650	19 Nov.
Universal Seal and Stopper Company, Camden, U.S.A. Bottle-sealing machine. (E. D. Schmitt)	14690	1 April.
Universal Seal and Stopper Company, Camden, U.S.A. Tool for forming bottle-neck. (E. D. Schmitt)	14896	20 May.
Urquhart, D., Auckland, N.Z. Rowlock and grip-bracket	15457	1 Oct.
Ussher, T., Auckland, N.Z. Table-bowls	14911	21 May.
Vacuum Cleaner Company (Limited), London, Eng. Extracting dust from carpets. (H. C. Booth)	15150	23 July.
Vaile, P. A., Auckland, N.Z. Explosive fire-alarm	14719	7 June, '01.
Valves (Limited), London, Eng. Hermetic sealing of tins. (J. R. Croft)	14682	26 March.
Van Volkenburgh, P., and another, New York, U.S.A. Generating steam	14436	7 June, '01*
Vaughan, F. A., and another, Wellington, N.Z. Non-refillable bottle	14723	8 April.
Verity, C. H., Wellington, N.Z. Water-heater	15777	30 Dec.
Vibert, J. P., and another, Auckland, N.Z. Closet	15395	13 Sept.
Victorian Forage-pressing Company Proprietary (Limited), The, Geelong, Vic. Forage-press. (J. Ferrier)	14991	12 June.
Volkenburgh, Van. (See under V.)		
Vorbach, J., Renwicktown, N.Z. Potato-digger	14734	2 April.
Wade, J. L., London, Eng. (See M. Neustadt, No. 15210.)		
Wainwright, H. S., Kent, Eng. Draught-producing and spark-arresting device for engine	15617	7 Nov.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS IN THE YEAR 1902—*continued*.

Name, Residence, and Invention.	No.	Date.
Wales, R., and another, Dunedin, N.Z. Broom, brush, &c.	14416	8 Jan.
Walker, E., St. Albans, N.Z. Non-refillable bottle	15023	18 June.
Walker, E., St. Albans, N.Z. Potato-carrier	15571	30 Oct.
Walker, H. R., New Brighton, N.Z. Carriages of bombs, &c. ..	15693	27 Nov.
Walker, J., Dunedin, N.Z. Privy-receptacle	15084	4 July.
Wall, A. F., Dunedin, N.Z. Shield for stay-busks	14703	4 April.
Wall, W. C., Newtown, N.S.W. Washing-machine	14755	17 April.
Wallace, H. L., Indianapolis, U.S.A. Valve. (J. W. Nethery) ..	15423	19 Sept.
Waller, W. A. C., London, Eng. Building block or plate ..	14447	15 Jan.
Walters, W. B., Dunedin, N.Z. Producing hydrocarbon-gas ..	15260	16 Aug.
Ward, H. W., Dunedin, N.Z. Flushing-cistern	15363	5 Sept.
Wardle, W., Burton-on-Trent, Eng. Preparing yeast	14573	3 March
Wardrop, W., and another, Dunedin, N.Z. Hat-fastener ..	14702	4 April.
Wardrop, W., and another, Dunedin, N.Z. Hat-fastener ..	14740	11 April.
Wardrop, W., and another, Dunedin, N.Z. Hair and hat pin and fastening ..	14828	2 May.
Warring, J., jun., Marton, N.Z. Brake for traction-engine ..	14646	20 March.
Warrington, A. E., Southbridge, N.Z. Advertising	14855	6 May.
Wass, A. G., London, Eng. Printers' varnish and ink	15169	22 July.
Waters, E., Melbourne, Vic. Manufacture of soap. (W. F. Hayward) ..	14584	6 March.
Waters, E., jun., Melbourne, Vic. Metallurgic filter. (F. H. Long) ..	14661	19 March.
Waters, E., jun., Melbourne, Vic. Electrolytic converter. (F. H. Long) ..	14662	19 March.
Waters, E., jun., Melbourne, Vic. Printing-plate. (C. B. Cottrell and Sons Company—M. A. McKee) ..	14807	26 April.
Waters, E., jun., Melbourne, Vic. Gold-separator. (Rose Gold Reclamation Company—F. M. Johnson) ..	14984	7 June.
Waters, E., jun., Melbourne, Vic. Transmission of power by electro-magnetic waves. (R. A. Fessenden) ..	15374	6 Sept.
Waters, E., jun., Melbourne, Vic. Signalling by electro-magnetic waves. (R. A. Fessenden) ..	15375	6 Sept.
Waters, E., jun., Melbourne, Vic. Signalling by electro-magnetic waves. (R. A. Fessenden) ..	15394	10 Sept.
Waters, E., Melbourne, Vic. Hydrocarbon-vapour burners. (A. Blanchard) ..	15718	4 Dec.
Waters, J. B., and another, Dunedin, N.Z. Merchandise-conveyor ..	14561	24 Feb.
Waters, W., Auckland, N.Z. Street-sweeper	15143	17 July.
Waters, W., Fitzroy, Vic. Rubber-pad for horse-shoe	15440	20 Sept.
Waters, W., Auckland, N.Z. Siphon	15702	27 Nov.
Watson, F., Christchurch, N.Z. Kerosene-pump	14895	19 May.
Watt, B., and another, Balclutha, N.Z. Hydrocarbon-gas generator ..	15330	1 Sept.
Watt, C. L., Dunedin, N.Z. Parallel ruler	14471	22 Jan.
Watt, C. L., and another, Dunedin, N.Z. Driving dredge machinery ..	14421	6 Jan.
Watt, C. L., and another, Dunedin, N.Z. Securing sleeve on dredge-tumbler ..	14808	26 April.
Watt, J., and another, Balclutha, N.Z. Hydrocarbon-gas generator ..	15330	1 Sept.
Watt, J. R., Timaru, N.Z. Freezing-room door	15589	3 Nov.
Watt, N., Dunedin, N.Z. Spark-arrester	15362	5 Sept.
Wattie, W., Worcester, U.S.A. Straw matting and loom for same ..	15040	27 June.
Wattne, F. E., Stavanger, Norway. (See W. T. L. Travers, No. 15164.) ..		
Watts, W., Midland Junction, W.A. Pivot blade-joint railway-crossing ..	15493	9 Oct.
Waygood, J. E., Waikumete, N.Z. Gate or door hinge	14858	8 May.
Weaver, A., Hastings, N.Z. Wool-washing	15519	14 Oct.
Webb, J., East London, Cape of Good Hope. Wire-strainer	14483	27 Jan.
Webster, F. A., and another, Christchurch, N.Z. Leather and rubber composite ..	15721	3 Dec.
Webster, W., Melbourne, Vic. Carbide-feeder	15752	10 Dec.
Wehinger, J., Zurich, Switzerland. (See Fabrik für Mechanische Hirnholzmosaik Gesellschaft mit Beschränkter Haftung, No. 14577.) ..		
Wells, R. F., Invercargill, N.Z. Sheep-shears	14551	18 Feb.
Wells, R. F., Melbourne, Vic. Sheep-shears	15282	22 Aug.
Wessel, K., St. Paul, U.S.A. Mattress-filling machine	15298	26 Aug.
West's Patent Tire-setter Company (Limited), Sydney, N.S.W. (See J. M. Chambers, No. 15078.) ..		
West, J. B., Rochester, U.S.A. (See J. M. Chambers, No. 15078.) ..		
West, M. T., and another, Ngairi, N.Z. Milk cooler and aerator	14556	24 Feb.
Westinghouse, G., Pittsburg, U.S.A. (See J. P. Campbell, No. 15310.) ..		
Westinghouse, G., Pittsburg, U.S.A. Internal-combustion engine	14434	15 Jan.
Westinghouse, G., Pittsburg, U.S.A. Treating copper-ore. (W. J. Knox) ..	14494	4 Feb.
Westinghouse, G., Pittsburg, U.S.A. Lining of metallurgical vessel. (W. J. Knox) ..	15479	7 Oct.
Weston, J. S., and others, Greymouth, N.Z. Gold-saving apparatus ..	15396	13 Sept.
Weyant, T. R., New York, U.S.A. (See The Shedd Electric and Manufacturing Company, No. 15443.) ..		
Wheeler, C. H., Short Hills, U.S.A. Cooling-tower	14574	3 March.
Whelan, J. T., Addington, N.Z. Boot-cleaner	15815	29 Dec.
Whishaw, W. M., and another, Feilding, N.Z. Cooling cream	15825	31 Dec.
Whisker, N. H., and others, Auckland, N.Z. Fire-escape	15387	8 Sept.
White, A. M., Bolivia, N.S.W. Ploughshare. (J. Ainsworth) ..	14827	25 April.
White, S., Dunedin, N.Z. Game-apparatus	15629	11 Nov.
White, S., Dunedin, N.Z. Opening soda-water bottles, &c. ..	15697	26 Nov.
White, S., Dunedin, N.Z. Drill	15796	19 Dec.
Whitehouse, J., Waibi, N.Z. Spark-arrester	15429	22 Sept.
Whitelaw, J., and another, Wellington, N.Z. Potato-chipper	15402	16 Sept.
Whitfield, P. J., Geelong, Vic. Wool-compressing	15773	17 Dec.
Whitham, F. E., Oxenhope, York, Eng. Stone, &c., pulveriser ..	14615	13 March.
Whitley, J. J., and another, Christchurch, N.Z. Acetylene-gas lamp ..	15218	1 Aug.
Whitney, A. C., Auckland, N.Z. Shooting at short range. (F. M. Gaudet) ..	15029	23 June.
Whitney, A. C., Auckland, N.Z. (See Colonial Ammunition Company, Limited, No. 15435.) ..		
Whitney, A. C., Auckland, N.Z. Alarm-gun	15627	13 Nov.
Whitney, F. L., San Francisco, U.S.A. Wool-scouring machinery ..	15490	9 Oct.
Whitson, R., Auckland, N.Z. Exhaust-condenser, &c.	14425	9 Jan.
Whittaker, H., Timaru, N.Z. Stiffener for boots	15534	18 Oct.
Whittingham, R., Gore, N.Z. Aerial car	15787	18 Dec.
Wickens, E. L., South Yarra, Vic. Rotary steam-engine	15625	18 Nov.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS IN THE YEAR 1902—*continued.*

Name, Residence, and Invention.	No.	Date.
Wieda, E. F. W., Paterson, U.S.A. Mixing-machine	15746	11 Dec.
Wieder, H. G. A. I., and another, London, Eng. Reproducing and transmitting sounds ..	14572	3 March.
Wiens, J. P., Milwaukee, U.S.A. Dustless brush	15515	16 Oct.
Wiggins, F., Tacoma, U.S.A. Clutch for pulley	14522	13 Feb.
Wight, R. B., Auckland, N.Z. Cleaning iron plates, &c.	15526	14 Oct.
Wilfley, A. R., Denver, U.S.A. (See Wilfley Ore-concentrator Syndicate, Limited, Nos. 14479-80.)		
Wilfley Ore-concentrator Syndicate (Limited), London, Eng. Ore-concentrator. (A. R. Wilfley)	14479	11 Mar., '01*
Wilfley Ore-concentrator Syndicate (Limited), London, Eng. Ore-concentrator. (A. R. Wilfley)	14480	29 Jan.
Wilhelm, E. H., Marton, N.Z. Docking lamb	15117	14 July.
Wilkie, A., Fairton, N.Z. Distribution of carcass meat	15331	30 Aug.
Wilkins, A. R., and another, Christchurch, N.Z. Connecting bicycle with a trailed carriage	15177	26 July.
Wilkins, A. R., and another, Christchurch, N.Z. Motor attachment to bicycle	15306	25 Aug.
Wilkinson, W. S., and others, Auckland, N.Z. Advertising	15184	25 July.
Williams, A., Wellington, N.Z. Wire strainer	15051	27 June.
Williams, F. C., and another, Christchurch, N.Z. Plate	15130	18 July.
Williams, H. G., Masterton, N.Z. Plough-attachments	15466	2 Oct.
Williams, J. L., Melbourne, Vic. Flushing latrines	14687	1 April.
Williams, J. P., Wellington, N.Z. Billiard-table	15245	15 Aug.
Williams, J. P., Wellington, N.Z. Billiard-table	15291	23 Aug.
Williams, R., Malvern, S. Aust. (See Fresh Air and Safety Sash-fastener Company, Limited, No. 14493.)		
Williams, R., Petone, N.Z. Billiard-marker, &c.	15237	18 Aug.
Williams, R., and others, Petone, N.Z. Marine governor	15633	15 Nov.
Williams, R., Taieri, N.Z. Siphon	15698	26 Nov.
Williams, S., and another, Christchurch, N.Z. Attachment to range	15136	15 July.
Williamson, A., Cromwell, N.Z. Pipe-cleaner	15587	29 Oct.
Williamson, P. R., and another, Christchurch, N.Z. Upright and extension for table-tennis	14783	21 April.
Wilson, C. R., and another, Christchurch, N.Z. Cycle-driving mechanism	14799	26 April.
Wilson, D., Feilding, N.Z. Acetylene-gas generator	15221	5 Aug.
Wilson, F. P., Wellington, N.Z. Printers' galley and chase	15635	17 Nov.
Wilson, H. E., Auckland, N.Z. Bicycle-frame	15511	13 Oct.
Wilson, J., and others, Newmarket, N.Z. Fire-escape	15387	8 Sept.
Wilson, J. L., Kaitangata, N.Z. Injector	15296	25 Aug.
Winepress, J., Brighton, Vic. Opening oysters	15467	2 Oct.
Winkley, E. E., Lynn., Mass., U.S.A. (See United Shoe Machinery Company, No. 15206.)		
Winters, J., Collingwood, Vic. Tightening rims of wooden wheels	15584	31 Oct.
Wiseman, J., Auckland, N.Z. Gaiter	14616	13 March.
Witt, T. W., Wellington, N.Z. Bat for table-tennis	14852	6 May.
Witty, R. J. L., Yatala, Queensland. Plant and seed setter	15311	27 Aug.
Wix, N. V. G., and others, Wellington, N.Z. Ventilating halls	14952	4 June.
Wojciechowski, J. (See American Tobacco Company, No. 15603.)		
Wolff, A. C., Christchurch, N.Z. Packing-case	14433	14 Jan.
Wolseley Sheep-shearing Machine Company (Limited), and another, Birmingham, Eng. Machine for cutting wool	15644	19 Nov.
Woltereck, H. C., and another, London, Eng. Manufacturing gas	14957	5 June.
Wood, I. P., and another, London, Eng. Smoke-consumer	15229	7 Aug.
Wood, V. H. L., Auckland, N.Z. Curtain-support	15636	17 Nov.
Woodcock, W. H., and another, Canton, U.S.A. (See A. J. Park, Nos. 14986, 14987, and 14988.)		
Woods, J. T., Melbourne, Vic. Coupling railway-trucks	15104	10 July.
Wright, G. W., Melbourne, Vic. Concentrating ores	15593	31 Oct.
Wright, R., Newcastle-on-Tyne, Eng. (See Sir W. G. Armstrong, Whitworth, and Company, Limited, No. 15139.)		
Wycherley, C. W., Wellington, N.Z. Securing horse-cover	14623	14 March.
Wylie, W., Greymouth, N.Z. Grab-hooks for dredge	14940	28 May.
Young, F. R., Wellington, N.Z. Saddle-cloth and ambulance stretcher	14570	3 March.
Young, K., Timaru, N.Z. Bottle	15765	16 Dec.
Zobel, M., Mount Victoria, N.S.W. Ore-agitation vat	14627	15 March.

L.—ALPHABETICAL LIST OF TITLES OF INVENTIONS FOR WHICH LETTERS PATENT HAVE BEEN APPLIED DURING THE YEAR 1902.

[* Denotes a prior date under section 106 of "The Patents, Designs, and Trade-marks Act, 1889."]

Invention, and Name of Inventor.	No.	Date.
Acetylene-gas generator. D. Wilson.. ..	15221	5 Aug.
Acetylene-gas generator. W. Tyree	15447	26 Sept.
Acetylene-gas generator. W. R. Hyde	15606	4 Nov.
Acetylene-gas generator. J. Baker and D. P. Parker	15616	7 Nov.
Acetylene-gas generator, Carbide-feeder for. W. Webster	15752	10 Dec.
Acetylene-gas lamp. H. H. Gaudin and J. J. Whitley	15218	1 Aug.
Adult's and child's chair. A. J. Park	15361	5 Sept.
Advertising. G. Darrell	15049	27 June.
Advertising. M. Foley, J. Parker, and W. S. Wilkinson	15184	25 July.
Advertising-attachment to cycle, boat, &c. H. Thatcher	15317	28 Aug.
Advertising-attachment to gas-lamp. C. E. Thies and L. E. Lowrey	15090	10 July.
Advertising-device and hairdressers' rack. P. J. Gossling	15217	1 Aug.
Advertising-device, &c. P. J. Gossling	15256	12 Aug.
Advertising matter, Displaying. A. E. Warrington	14855	6 May.
Advertising, Method of. J. T. Moate	14812	1 May.
Advertising, Mutual Benefit Bonus Company (Limited)	14580	6 March.
Advertising parcel-grip. A. H. Brownley	15570	30 Oct.
Advertising, Stand for. T. Mutton and H. E. Hupton	15613	4 Nov.
Aerated beverages, Making. American Mineral-water Machine Company	14804	29 April.
Aerated liquid, Dispensing. W. Hucks, jun.	14917	21 May.
Aerated water, Saving carbonic-acid gas in making. H. J. Ballin	15555	25 Oct.
Aerating and bottling liquids. T. Sutcliffe	15824	31 Dec.
Aerating liquids with gases. A. C. J. Charlier	14862	9 May.
Aeration and bottling of liquids. Automatic Aerator Patents (Limited)	15134	16 July.
Aerator. (See Milk-aerator, Milk cooler and aerator.)		
Aerial car. R. Whittingham	15787	18 Dec.
Agglomerating finely divided ores. A. and W. J. Malden	15514	16 Oct.
Agitating auriferous material. W. R. Keane and B. Hogg	14515	12 Feb.
Air and gas carburetter. S. Perrin	14853	3 May.
Air and gas carburetter. S. Perrin	15034	20 June.
Air-brake, Operating. J. Salinger	14665	20 March.
Air-brake, Operating. J. Salinger	14748	18 April.
Air-brake, Railway. R. E. Robertson	15708	2 Dec.
Air-compressing. A. A. Humphrey	15521	16 Oct.
Air, Creating and circulating cold. J. B. Norris and T. M. Baldwin	14502	4 Feb.
Air-exhausting apparatus. W. G. Goss	15324	29 Aug.
Air-gas, Production of. J. Crook	14846	3 May.
Air or gas compressor. L. C. Auldjo	14753	17 April.
Air-pressure in tires, Sustaining. P. J. Darling, F. L. Summerton, and F. J. Amos	15567	28 Oct.
Alarm. (See also Fire-alarm.)		
Alarm-attachment for doors, &c. C. H. Greenhead	14973	7 June.
Alarm-call connection to telephone exchange. P. Rabbidge	14498	6 Feb.
Alarm-gun. A. C. Whitney	15627	13 Nov.
Alarm thermometer, Electric. A. Johnston	15332	28 Aug.
Altitude-calculator. C. A. Trotter	14773	19 April.
Amalgam, &c., Separating, from ore-pulp. T. H. Hicks	15092	10 July.
Amalgam, Separating mercury from. T. H. Hicks	15094	10 July.
Amalgamating-apparatus. E. Richardson	15000	13 June.
Amalgamating-apparatus. J. J. Hill	15753	10 Dec.
Amalgamating, &c., table. J. A. Hamilton	15421	19 Sept.
Amalgamation of metals. American Amalgamating Company	15152	23 July.
Amalgamator. G. J. Perotti	14464	22 Jan.
Amalgamator. G. J. Perotti	14676	26 March.
Amalgamator, &c. J. R. Harrison	15462	1 Oct.
Ambulance-stretcher, saddle-cloth, and camp-bed combined. F. R. Young	14570	3 March.
Ammonia-gas compressor, Valve for. W. H. Humble	15286	20 Aug.
Ammunition-wad. The Colonial Ammunition Company (Limited)	15435	24 Sept.
Animal feeding-trough. J. Carlyle	15412	18 Sept.
Animal-trap. R. McLean	14595	7 March.
Animal-trap. A. J. Espie	14767	15 April.
Animal-trap. W. Collins	15255	12 Aug.
Animal-trap. W. McNaught	15377	8 Sept.
Animal-trap. R. S. Black	15487	3 Oct.
Animal-trap. D. Matheson and D. Taylor	15505	10 Oct.
Animal-trap. W. Borlase	15735	6 Dec.
Animal-trap. A. Campbell	15791	16 Dec.
Anti-fouling composition. T. S. Mullay and W. Sievwright	14881	13 May.
Antimony, Manufacturing white oxide of. A. S. Plews	14643	20 March.
Antiseptic-dressing for wounds. W. Over	14533	13 Feb.
Arc-lamp, Electric. J. P. Campbell	15310	27 Aug.
Arc-lamp, Electric. J. P. Campbell	15786	19 Dec.
Arrester. (See Spark-arrester, Spark-catcher.)		
Artesian water-pipe. J. Free	15701	28 Nov.
Artesian well-driving and boring. G. L. Pearson	14904	23 May.
Artificial fuel. T. H. Brown	14400	6 Jan.
Artificial fuel-briquettes. International Fuel Company	15576	30 Oct.
Artificial stone. J. Purvis and T. Rouse	15069	2 July.
Artificial-stone making. E. J. Parrott	14866	7 May.
Atomiser. T. Maude	15535	20 Oct.
Augur, Earth. W. L. and J. H. Iwan	15790	16 Dec.
Auriferous material, Agitating. W. R. Keane and B. Hogg	14515	12 Feb.
Auriferous material, Grading. H. G. Hankin	14907	23 May.
Auriferous washdirt, Treating. J. Thomson	15799	17 Dec.
Auriferous washdirt, Treating. J. Thomson	15800	18 Dec.
Auxiliary propeller for vessel. R. P. Gibbons	15640	13 Nov.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention, and Name of Inventor.	No.	Date.
Axe-head. T. R. Porter	14959	6 June.
Axes, Show-case for. E. O. Ristrom	15385	11 Sept.
Axle of vehicle, Oiling. A. Thompson and J. Roussell	14766	18 April.
Axle of vehicle, Oiling. R. L. Suttie	15818	30 Dec.
Axles, Oiling. T. S. Philpott	14609	12 March.
Bacon-slicer. V. Parkin	14837	5 May.
Bacon and ham slicer. G. Carrington	14701	2 April.
Bacon and ham slicer. G. Carrington	15012	18 June.
Bag. (See Golf-bag, Lead-bag, Mail-bag, Saddle tool-bag, School-bag.)		
Bag for filling, Holding. J. Orr, jun.	15120	14 July.
Bags, Gripping, on chaff-cutters. W. Andrews	14801	28 April.
Bailing cows, Appliance for. W. V. Hosking	14566	28 Feb.
Bailing cows. W. V. Hosking	15700	29 Nov.
Balance. (See Window-sash balance.)		
Ballast, Excavating, &c. H. Quertier	15501	10 Oct.
Ballast, Excavating, &c. H. Quertier	15586	31 Oct.
Ballast-spreading machine. W. Currie	14462	22 Jan.
Balls, Device for picking up. C. Bills	15058	27 June.
Balls, Device for picking up. J. B. Poynter	15133	18 July.
Bank. (See River-bank.)		
Bar. (See Harbour-bar.)		
Barb-wire, Running out. W. C. Innes	15191	29 July.
Barge for handling coal. J. Campbell	14798	24 April.
Barrel. F. Alexe	15345	3 Sept.
Bat for table-tennis. T. W. Witt	14852	6 May.
Bat, Ping-pong. T. Herbert	15032	19 June.
Bearing for engine-shaft. W. E. Hughes	14501	6 Feb.
Bearing for shaft, Support-. J. A. Moyes and J. Hopkirk	15147	23 July.
Bearings for centrifugal machine. O. Prollius	14918	21 May.
Bed. (See Camp-bed.)		
Bed and bolster. E. H. Luxford	15355	4 Sept.
Bed-pan, Frame for slipper. E. A. Conyers	15416	18 Sept.
Bed, Preventing children falling out of. C. E. Bamford	14451	20 Jan.
Bedstead. H. Tas	14613	13 March.
Bedstead. S., C., and A. Holmes	14689	3 April.
Bedstead. A. E. Phillimore	15226	7 Aug.
Bedstead and mattress. G. S. Heatley	15283	22 Aug.
Bedstead, Attaching wire to. E. J. Restorok	15168	24 Feb.*
Bedstead, Attachment to. R. Scott	15163	24 July.
Bedstead, Wire mattress and. H. A. and S. Robinson	15333	30 Aug.
Beer, Manufacture of. The Conversion Company (Billing's Machinery and Process) (Limited)	14720	8 April.
Beer, Treating, for bottling. J. D. Dewar and E. J. Tripp	14833	1 May.
Belt. E. O'Connor	14839	5 May.
Belt and rope tightener. A. S. Pike	15747	11 Dec.
Belt-fastener. S. O. Keoghan	14674	25 March.
Belt for medical purposes, Electric. G. W. Basley	15001	11 June.
Bending sheet-metal for tube-making. T. Danks	15382	9 Sept.
Bicycle. R. W. Pearse	14507	8 Feb.
Bicycle. (See also Cycle.)		
Bicycle, Attachment to, for carrying child, &c. J. Paterson	15788	17 Dec.
Bicycle, Attachment to, for use as sail, &c. H. Thatcher	15317	28 Aug.
Bicycle-carrier for railway-car. A. Lyell	14513	11 Feb.
Bicycle, Connecting, with traileed carriage, &c. A. R. Wilkins and J. W. Odering	15177	26 July.
Bicycle crank. G. Percival	14562	27 Feb.
Bicycle-driving mechanism. C. R. Wilson and J. F. Best	14799	26 April.
Bicycle-driving mechanism. W. G. Jesson	15348	2 Sept.
Bicycle-frame. H. E. Wilson	15511	13 Oct.
Bicycle handle-grip. T. R. Porter	15674	24 Nov.
Bicycle-holder. F. W. Painter	15284	22 Aug.
Bicycle, Motor attachment for. A. R. Wilkins and J. W. Odering	15306	25 Aug.
Bicycle-pedal. G. M. Nichol	15140	17 July.
Bicycle-support. G. and T. Gubbins	14893	16 May.
Bicycle-tire, Removing. S. Nicolson	15659	20 Nov.
Bicycle-tire, Repairing-patch for. C. W. Stephenson	15109	11 July.
Billiard-cue. T. R. Porter	14982	11 June.
Billiards, Apparatus for. M. L. Humm	14974	9 June.
Billiards, Parlour-. W. McLean	15649	19 Nov.
Billiards, Recording score at. R. Williams	15237	8 Aug.
Billiards, "Roulette." E. Hasselbach	15736	6 Dec.
Billiard-table. J. P. Williams	15245	15 Aug.
Billiard-table. J. P. Williams	15291	23 Aug.
Billiard-table and settee. H. U. Alcock	15373	6 Sept.
Billiard-table, Convertible. H. U. Alcock	15259	12 Aug.
Binder for loose sheets of paper. H. E. Dade	15225	4 Aug.
Binder, Paint-brush. C. Sawyer	15319	28 Aug.
Binding sheets of paper. J. T. Steele	15741	10 Dec.
Binocular-suspender. C. D. Lightband	15622	7 Nov.
Bird trap, Small-. F. A. Burdett-Stuart	15595	4 Nov.
Biscuit. (See Medicated biscuit.)		
Biscuit-making machine. H. D. Perky	15688	27 Nov.
Bivalve, Opening. A. W. and J. B. McKenzie	15239	8 Aug.
Blackboard-easel. F. Pegler	14825	29 April.
Blades, Steam-turbine. Hon. C. A. Parsons	14905	23 May.
Blight, Composition for. W. J. Botting	15538	22 Oct.
Blind. (See Venetian-blind, Window-blind.)		

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued*.

Invention, and Name of Inventor.	No.	Date.
Block. (See Partition wall-block, Plummer-block, Snatch-block, Tripping-block, Wood-block.)		
Blood, Treatment of. R. R. Donaldson	14660	21 March.
Blotting-pad and ruler. C. N. Hodder and J. Rogers	15128	14 July.
Board. (See Ironing-board, Washing-board.)		
Boat. (See Diving-boat.)		
Boat, Attachment to, for use as a sail or advertiser. H. Thatcher	15317	28 Aug.
Boat, &c., Propelling and sustaining. J. A. Fiddes	15432	23 Sept.
Boiler. (See Steam-boiler.)		
Boiler, Feed-water heater for. H. Thomas and A. C. Mitchell	14831	2 May.
Boiler furnace, Steam-. E. Maslin	15079	3 July.
Boiler, Multitubular water-column. F. F., L. B., A. C., and H. W. Coulsell	15677	25 Nov.
Boiler, Oil-fuel. W. S. Kay	15489	3 Oct.
Boiler, Removing corrosive matter from steam-. R. B. Wight	15526	14 Oct.
Boiler, Water-gauge for. A. B. Masters	15585	31 Oct.
Boiler, Water-tube. J. Cowan	15148	23 July.
Boiler, Water-tube. J. Cowan	15569	30 Oct.
Boiling eggs. W. H. Gore and H. J. K. Massey-Lawless	15303	22 Aug.
Bolster. (See Truck-bolster.)		
Bombs, Carrying and mixing components of. H. R. Walker	15693	27 Nov.
Book-holder. J. H. Marple	14537	18 Feb.
Boot-cleaner. J. T. Whelan	15815	29 Dec.
Boot-fastener. E. Spray	15744	11 Dec.
Boot-fastener. W. Beamish	15533	16 Oct.
Boot-fastening. R. Snapper	15213	2 Aug.
Boot-finishing machine. G. H. Catt	15350	4 Sept.
Boot-heel. A. F. Davis	15336	30 Aug.
Boot-heel. W. Steer	14469	22 Jan.
Boot, Insole for. A. Taylor	14890	20 May.
Boot-laces. K. Raymond	14906	19 May.
Boot-lacing. G. Turner	15360	5 Sept.
Boot-nail. F. Jones	15618	12 Nov.
Boot-polisher, or brush. F. H. Killingsworth and P. Rawson	15305	25 Aug.
Boot-polishing machine. T. Napier	15580	30 Oct.
Boot-sole. J. F. Mackley	14658	21 March.
Boot-sole. E. Dimant	15101	10 July.
Boot-sole. T. Burrell and E. C. Perdriau	15279	21 Aug.
Boot-stiffener. H. Whittaker	15534	18 Oct.
Boot-tread. E. Dimant	15101	10 July.
Boot, Trimming sole of. United Shoe Machinery Company	15650	19 Nov.
Boot, &c., Turning apparatus. United Shoe Machinery Company	15103	10 July.
Boots. (See also Gum-boots.)		
Boots, Fastener for. C. D. Brent	15018	20 June.
Boots, Shoes, &c., Sole for. J. F. Mackley	14658	21 March.
Boots, Ventilating. L. Staples and W. Taylor	15399	12 Sept.
Boring and artesian-well driving. G. L. Pearson	14904	23 May.
Boring, &c., Earth-. J. Cox	15426	16 Sept.
Boss for fastening machinery to a shaft. W. H. Gordon	14761	17 April.
Bottle. G. George	15192	28 July.
Bottle. (See Non-refillable bottle, Drenching-bottle.)		
Bottle and stopper. H. R. Bell	14743	15 April.
Bottle, Brand-protector. K. Young	15765	16 Dec.
Bottle-closures. F. Recht and C. L. Curtis	14655	21 March.
Bottle, Corking. W. D. R. McCurdie	15793	17 Dec.
Bottle, Forming neck of. Universal Seal and Stopper Company	14886	20 May.
Bottle-holder. C. Bills	15020	17 June.
Bottle-opener. S. White	15697	26 Nov.
Bottle-stopper. L. Caselberg	14476	27 Jan.
Bottles, Machine for sealing. Universal Seal and Stopper Company	14690	1 April.
Bottles, Preventing refilling of. F. McLeod and F. A. Vaughan	14723	8 April.
Bottling and aeration of liquids. Automatic Aerator Patents (Limited)	15134	16 July.
Bottling liquids, Aerating and. T. Sutcliffe	15824	31 Dec.
Bottling, Treating beer for. J. L. Dewar and E. J. Tripp	14833	1 May.
Bowden mechanism. G. W. Basley	15724	1 Dec.
Bowl. (See Cooking-bowl.)		
Bowls, Table-game of. T. Ussher	14911	21 May.
Box. (See also Butter-box, Cigarette-box, Collapsible-box, Egg-carrying box, Match-box, Newspaper-box, Seed-drill box, Sluice-box, Tobacco-transporting box.)		
Box for packing rabbits. W. Moore and C. T. Kiernan	14778	17 April.
Box-making machinery. W. T. L. Travers	15164	24 July.
Braces. E. O'Connor	14839	5 May.
Braces. H. G. MacWilliam	15823	30 Dec.
Braces, Clothing-grip for. H. C. Peters	15502	10 Oct.
Bracket. (See Grip-bracket, Lamp-bracket, Piano-bracket.)		
Bradawl, &c., to handle, Securing. G. Beaumont	15257	12 Aug.
Brake. (See Air-brake, Cycle-brake, Electric brake or Railway-brake, Hydraulic duplex oil-brake, Traction-engine brake, Vehicle-brake.)		
Brake-shoe. J. P. Campbell	14887	20 May.
Braking-mechanism for wheels. Barwest Coaster-brake Company	14437	16 Jan.
Brand for cattle, Fire-heated. A. McLeod	15512	9 Oct.
Brand-protector bottle. K. Young	15765	16 Dec.
Branding. A. McLeod	14432	13 Jan.
Branding and marking appliance. A. McLeod	14796	25 April.
Branding cheese. J. H. R. Taylor	14497	6 Feb.
Branding-fluid. T. H. Brown and J. E. Staples	14668	24 March.
Branding-fluid. T. H. Brown and J. E. Staples	14694	3 April.
Bread-toaster. G. J. Sellars, jun., and A. V. Coxhead	14742	14 April.

ALPHABETICAL LIST OF TITLES OF INVENTIONS - *continued*.

Invention, and Name of Inventor.	No.	Date.
Breaking stone, &c., Machine for. F. E. Whitham	14615	13 March.
Breaking up ground, Implement for. J. Brasting	15364	5 Sept.
Brick. L. Jaubert	14898	22 May.
Brick, Building-. W. Juriss	15411	18 Sept.
Brickmaking. E. J. Parrott	14866	7 May.
Brick, Perforated. J. Clark	15459	1 Oct.
Brick, Plug-. C. W. Langstone	15272	20 Aug.
Brick, Plug-, and hæmatite concrete. R. Harrison	15673	24 Nov.
Brickwork, Rendering, impervious to water. J. J. Collins and R. D. Harman	14930	29 May.
Bridge, Tension-. F. Lambert	15238	8 Aug.
Briquette, Artificial fuel-. International Fuel Company	15576	30 Oct.
Brooch-pin, Safety-catch for. A. M. Legge	14912	24 May.
Brooder. (See Poultry-brooder.)		
Broom-handle to broom, Attaching. N., J. S., J. F., and M. Jepsen and J. Bomford	15594	4 Nov.
Broom or brush. R. Wales and W. H. Fahey	14416	8 Jan.
Broom or brush. W. J. Pallant	15733	9 Dec.
Broom, Rack for. J. Rugg	15401	11 Sept.
Brush. (See Boot-brush, Hat and clothes brush, Paint-brush.)		
Brush, Dustless sweeping-. J. P. Wiens	15515	16 Oct.
Brush or broom. R. Wales and W. H. Fahey	14416	8 Jan.
Brush or broom. W. J. Pallant	15733	9 Dec.
Bucket. (See Dredge-bucket.)		
Bucket carrier or wagon. H. W. Lovegrove	14928	24 May.
Buckle. J. H. Bell and F. J. J. Butler	15258	12 Aug.
Buckle-attachment to hook. A. Douglas	14454	21 Jan.
Buckle for mail-bags. G. H. Longdin	15054	27 June.
Buffer-coupler. A. D. Smith	15248	14 Aug.
Building, Heating. M. Arragon	15436	24 Sept.
Building, Portable. D. Brummer	15651	19 Nov.
Buildings, Insulating. F. de J. Clere	15273	20 Aug.
Bulk butter, Cutting. G. T. Allnutt and W. E. Lake	14980	10 June.
Bulkhead-doors, Closing. P. Hoppe	15039	27 June.
Burner. M. L. Ross	15347	3 Sept.
Burner. (See also Gas-burner, Hydrocarbon-vapour burner, Incandescent gas-burner.)		
Burner and heater. A. McLeod	15498	6 Oct.
Bush, and securing same on shaft. F. A. Cutton	15180	25 July.
Bush for dredge-tumbler. J. Murison	14683	25 March.
Bush, Removable shaft-. T. Stevenson	15419	17 Sept.
Bushfelling, Stage for. C. Cross	15450	26 Sept.
Butter, Apparatus for canning. E. S. Burman	15456	1 Oct.
Butter-box. J. Ellis	14985	7 June.
Butter-box. A. McFarlane	15063	30 June.
Butter, &c., box, Collapsible. H. Donkin	15186	29 July.
Butter canister or package. J. Dingwall	14486	30 Jan.
Butter cooler and filter. A. Lyell	14960	6 June.
Butter-cutting machine. G. T. Allnutt and W. E. Lake	14980	10 June.
Butter, Cutting, weighing, &c. J. Robb	15713	3 Dec.
Butter dish. A. Lyell	14964	6 June.
Butter-lifter. W. Riddell	14474	23 Jan.
Butter-mould. C. Dahl	15035	24 June.
Butter-moulder. J. F. Steenberg	14919	21 May.
Butter-preservative. F. M. Hunt	15295	25 Aug.
Butter-printer. W. Riddell	14473	23 Jan.
Butter, Tinning and printing. R. Boxall and A. A. Robinson	15543	23 Oct.
Button. J. P. Brown	15088	7 July.
Button-holes. J. J. Macky	14843	2 May.
Button-holes. G. H. Bigelow	14844	1 May.
Button-holes for collar, &c. W. Beamish	15797	18 Dec.
Buttons, Securing to garment. A. H. Brownley and T. B. Jacobsen	14856	8 May.
Cabinet. (See Hairdressers' cabinet, Music-cabinet.)		
Cable system of cash-carrier. Lamson Store-service Company (Limited)	14549	20 Feb.
Calculating altitude. (See Range-finder.)		
Calculating-apparatus. G. P. Pierce	14865	9 May.
Calculating-apparatus. J. C. McBride	15510	9 Oct.
Camp-bed, saddle-cloth, and ambulance stretcher combined. F. R. Young	14570	3 Mar.
Cams, &c., Locking-device for securing. F. M. Canda	15125	17 July.
Can. (See also Milk-can, Oil-feeding can.)		
Can-body making machine. G. S. Duncan	15491	9 Oct.
Can-body, Soldering seam of. G. W. Berry	14933	29 May.
Can capping machine. H. Peck	14763	18 April.
Can-ends, Die for forming. H. Peck	14764	18 April.
Can-handle. A. C. Murray	14445	15 Jan.
Can-joint. M. B. L. Ehrmann and Queensland Meat Export and Agency Company (Limited)	14614	13 March.
Can, Sealed. American Tobacco Company	15246	14 Aug.
Can-soldering machine. H. Peck	14544	20 Feb.
Can-washing machine. H. Peck	14762	18 April.
Canal for harbour-bar removal. F. Lambert	15240	8 Aug.
Candle-holder. S. J. Heffer	15154	23 July.
Candlestick. A. Lyell	14961	6 June.
Candlestick. J. H. Stewart and W. Nicol	15119	11 July.
Candlestick. J. H. Stewart and W. Nicol	15179	24 July.
Candlestick. A. Douglas	15227	7 Aug.
Candlestick. W. Nicol and J. H. Stewart	15308	22 Aug.
Canister. (See Butter-canister.)		
Canister for turnip and other seeds. E. Bowmar	15604	5 Nov.
Canning butter, Apparatus for. E. S. Burman	15456	1 Oct.
Canoe. C. D. Lightband and H. W. C. Lanauze	14481	27 Jan.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention, and Name of Inventor.	No.	Date.
Cans, Delivering milk into. W. Barton	15460	1 Oct.
Caps, Applying, to cans. H. Peck	14763	18 April.
Car. (See Aerial car.)		
Car-coupling. J. Hanley	15289	19 Aug.
Carbide-feeder for acetylene generator. W. Webster	15752	10 Dec.
Carbonaceous liquid as fuel, Using. F. Cotton.. .. .	15318	28 Aug.
Carbon-dioxide, Treating substances with nascent. Smethurst Furnace and Ore-treatment Syndicate (Limited)	14868	7 May.
Carbonic-acid gas, Saving. H. J. Ballin	15555	25 Oct.
Carbon-paper, Machine for making. Crown Paper Company	14553	19 Feb.
Carburetted water-gas. H. W. G. Henderson	14654	20 March.
Carburetter, Air and gas. S. Perrin	14853	3 May.
Carburetter, Air and gas. S. Perrin	15034	20 June.
Carcase, Branding-fluid for. T. H. Brown and J. E. Staples	14694	3 April.
Carcase-meat, Distribution of. A. Wilkie	15331	30 Aug.
Cargo from vessel, Unloading. Economic Hoisting and Ballast Company	15749	11 Dec.
Carpet-fastener. C. D. Pike	14524	13 Feb.
Carpets, Extraction of dust from. The Vacuum Cleaner Company (Limited)	15150	23 July.
Carriage, Connecting bicycle with trailed. A. R. Wilkins and J. W. Odering	15177	26 July.
Carriage-lamp. N. March and A. Thompson	14756	17 April.
Carriage-lamp, Holding in position. S. J. Holland	14797	22 April.
Carriage-spring. T. C. Hatton	15561	25 Oct.
Cars, street-, Truck for. A. J. Park	14986	7 June.
Cars, street-, Truck-bolster for. A. J. Park	14988	7 June.
Cart-tailboard fastener. H. Anstice	15754	12 Dec.
Cart, Water-sprinkling. H. Anscombe and G. Russell	15473	30 Sept.
Carving wood. A. McLeod	14432	13 Jan.
Case. (See Glass-case, Packing-case.)		
Casements, Securing. J. D. Tripe	15244	11 Aug.
Cash-carrier. M. J. Robertson	15277	21 Aug.
Cash-carrier, Cable system of. Lamson Store-service Company (Limited)	14549	20 Feb.
Cash-carrier system. Lamson Store-service Company (Limited)	15573	30 Oct.
Cash-carrier, Wire-track. Lamson Store-service Company (Limited)	15574	30 Oct.
Cash-railway, Single-wire system of. G. W. Basley	15547	20 Oct.
Cashier, Mechanical. W. E. Hughes	14809	1 May.
Castor. D. E. Amesbury	14397	4 Jan.
Castor. D. E. Amesbury	14691	1 April
Castor. W. Bain	15764	15 Dec.
Castor, Attachment to. R. S. Smith	15378	8 Sept.
Castrating, &c., lambs. E. H. Wilhelm	15117	14 July.
Catch. (See Brooch-pin catch, Door-catch.)		
Catch-pit drainage. R. R. Donaldson	14640	19 March.
Cattle-drenching bottle. N. G. McKay	14531	13 Feb.
Cell. (See Dental suction-cell.)		
Cement. (See Portland cement.)		
Centrifugal machine, Bearings for. O. Prollius	14918	21 May.
Centrifugal separator. C. A. E. Andersen	14775	18 April.
Certificate for co-operative trading. W. Lorigan	15671	22 Nov.
Chaff-cutter and corn-crusher. J. O'Donoghue	14601	10 March.
Chain, Elevator-. R. H. Flemington	15024	23 June.
Chains. (See Draught-chains.)		
Chair, Adjustable-seat for. H. Salomo	15469	3 Oct.
Chair, Adult's and child's. A. J. Park	15361	5 Sept.
Chair and step-ladder. J. M. Armour	15067	28 June.
Chair, &c., Collapsible. J. M. Armour	15304	23 Aug.
Chair, Punkah for. F. W. Hayes	15568	30 Oct.
Chair, Safety-attachment to. I. M. Clark	14520	13 Feb.
Chair-silencer. H. Tas	14585	6 March.
Chair, step-ladder, desk, &c. J. M. Armour	15287	20 Aug.
Chalk, Carrying, for billiard-cue. T. R. Porter.. .. .	14982	11 June.
Chamber-utensil. P. H. Dando	15356	4 Sept.
Chart for dresscutting. L. Roberts	15241	6 Aug.
Checking-markers of games. J. F. McIvor, F. Finlay, and C. J. Hebblewhite	14820	2 May.
Cheese, Branding. J. H. R. Taylor	14497	6 Feb.
Chemical, Packing semi-solid. T. Baker	15699	26 Nov.
Chemical reaction, Producing. The Smethurst Furnace and Ore-treatment Syndicate (Ltd.)	14868	7 May.
Children, Device for carrying. T. O. Turnbull	14716	7 April.
Children falling from bed, Preventing. C. E. Bamford	14451	20 Jan.
Child's high chair, Safety-attachment to. I. M. Clark	14520	13 Feb.
Cigar and cigarette holder. B. Benkel	14503	7 Feb.
Cigar and cigarette holder. C. Peterson	15016	19 June.
Cigar-cutter, &c. P. J. Gossling	15256	12 Aug.
Cigarette-box, Match-striker for. J. H. S. Brown	15663	18 Nov.
Cigarette-machine. United Cigarette-machine Company (Limited)	15249	14 Aug.
Cigarette-machine. American Tobacco Company	15603	5 Nov.
Cigarette packing and wrapping machine. A. Godfrey	15540	22 Oct.
Cigarette-wrapper machine. The American Tobacco Company	15071	2 July.
Cigarette-wrapper tube machine. The American Tobacco Company	15072	2 July.
Cigarette-wrapper tube machine. The American Tobacco Company	15073	2 July.
Cigarettes, Machine for packing. W. E. Hughes	14733	10 April.
Cigarettes, Manufacturing. L. B. Baron	14811	1 May.
Cistern, Flushing-. H. W. Ward	15363	5 Sept.
Cistern, Flushing-. T. Smith and G. Boardman	15694	27 Nov.
Claw-hammer. S. J. Ensor and F. Tanner	14478	24 Jan.
Claw-hammer and staple-drawer. A. Gray	15265	15 Aug.
Clay, Breaking, in sluice-boxes. C. T. Swannell and W. Lee	15182	24 July.
Clay, Manufacture of hollow ware from. G. Sweet	14411	10 Jan.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention, and Name of Inventor.	No.	Date.
Clay, Treating, for road-making. J. T. Steele	15131	18 July.
Cleaner. (See Boot-cleaner, Drill-roller cleaner, Knife-cleaner, Pot-cleaner, Tobacco-pipe cleaner, Tram-rail cleaner.)		
Cleaning and watering streets. H. Ashworth	15772	17 Dec.
Cleaning bicycle-tire. B. I. Hayward and R. A. Gibson	14877	15 May.
Cleaning corrosive matter from boilers, steamers, &c. R. B. Wight	15526	14 Oct.
Cleansing fat from wool. A. Born	14989	12 June.
Cleansing painted surfaces. M. Peryer	14441	16 Jan.
Cleansing painted surfaces. M. Peryer	14606	10 March.
Clip. (See also Trouser-clip.)		
Clip for broken umbrella-rib. T. Rice	15513	14 Oct.
Clip for securing wires. A. S. Band	15013	19 June.
Clipping. (See Hair-clipping, Hedge-clipping.)		
Clock, Electric. J. A. Carruthers	15646	19 Nov.
Clock, Electric. J. A. Carruthers	15647	19 Nov.
Clod crusher and pulveriser. F. Cooper	15738	24 Nov.
Closet. J. P. Vibert and G. Cozens	15395	13 Sept.
Closet. (See also Earth-closet, Water-closet.)		
Closet-seat. H. August	14680	25 March.
Closet-seat lid. H. August	15142	22 July.
Closet-seat, Self-sealing. T. D'A. C. Maxted	15409	15 Sept.
Closure. (See Bottle-closure, Jar-closure.)		
Cloth. (See Saddle-cloth.)		
Cloth, Apparatus for shrinking. M. B. Silk	15166	24 July.
Clothes brush, Hat and. C. Lashlie	15365	5 Sept.
Clothes line and peg. J. Murray	14465	24 Jan.
Clothes-pocket. P. Patten	14555	21 Feb.
Clothes-wringer, Drainer for. J. Paterson and A. J. Pool	15474	1 Oct.
Clothing-grip. H. C. Peters	15502	10 Oct.
Clutches for pulleys. F. Wiggins	14522	13 Feb.
Coal-handling, Lighter for. J. Campbell	14798	24 April.
Coal, Removing, from ships' holds. F. P. Evans and D. McDougall	14861	9 May.
Coal, Shipping and transferring. Sir W. G. Armstrong, Whitworth, and Co. (Limited)	15139	17 July.
Coal-scuttle. A. C. Murray	14444	15 Jan.
Coal-scuttle. E. B. Arthur	15126	17 July.
Cock. C. M. Cruickshank	14946	29 May.
Cock, Automatic stop-. R. S. Houghton	15730	8 Dec.
Coiler. (See Wire-coiler.)		
Coin-controlled mechanism for producing photograph. G. N. Pifer	15731	13 Dec., '01*
Coke, Manufacture of. T. S. C. Lowe	15494	9 Oct.
Colander and cooking-utensil. E. Bowles	14557	24 Feb.
Cold air, Creating and circulating. J. B. Norris and T. M. Baldwin	14502	4 Feb.
Collapsible butter, &c., box. H. Donkin	15186	29 July.
Collapsible chair, crib, &c. J. M. Armour	15304	23 Aug.
Collar. (See Horse-collar.)		
Collar and hames and traces. J. Benson	15366	3 Sept.
Collar-fastener, Shirt-neck and. J. J. Macky	14542	17 Feb.
Collar, Fastening-device for dress-. M. L. Humm	14968	5 June.
Collar-stud holder for shirt. J. J. Macky	14482	24 Jan.
Collars, Button-hole for. W. Beamish	15797	19 Dec.
Collector-rings for electrical machines. W. T. L. Travers	14620	13 March.
Combustion-engine. (See Internal-combustion engine.)		
Commode, &c. H. August	15294	21 Aug.
Compass. (See Divider-compass.)		
Composition, Waterproofing. A. F. Roy	15263	15 Aug.
Compounded steam-engine. R. P. Gibbons	15537	18 Oct.
Compressed air, Elevating liquids by. T. Taplin	14939	30 May.
Compressed-fluid engine. J. E. Howard	14448	15 Jan.
Compressed fuel. J. E. Langstone, F. McLeod, and T. J. Broome	14651	20 March.
Compressing air. A. A. Humphrey	15521	16 Oct.
Compressing ensilage. J. K. McNeill and W. E. Collins	15376	10 Sept.
Compressing forage, &c., into bales. P. J. Whitfield	15773	17 Dec.
Compressing wheel-tires. J. M. Chambers	15078	3 July.
Compression, Elastic-fluid. H. Bland	15581	31 Oct.
Compressor. (See Air or gas compressor, Ammonia-gas compressor.)		
Concentrating-apparatus. E. Richardson	15000	13 June.
Concentrating littoral deposits. J. Nelson and D. Reid, jun.	15003	11 June.
Concentrating-table. J. B. Mason	14420	6 Jan.
Concentrating-table. J. B. Mason	15372	6 Sept.
Concentrating, &c., table. J. A. Hamilton	15421	19 Sept.
Concentrating washdirt containing gold. J. Thomson	15799	17 Dec.
Concentrating washdirt containing gold. J. Thomson	15800	18 Dec.
Concentrator. (See Ore-concentrator.)		
Concrete, Brick and hæmatite. R. Harrison	15673	24 Nov.
Concrete tank. J. R. Sigley	15301	22 Aug.
Condenser. F. J. Maindonald	14848	6 May.
Condenser. C. A. Parsons	15601	5 Nov.
Condenser. (See Steam-condenser.)		
Condenser, Exhaust for motor-. R. Whitson	14425	9 Jan.
Conductor, Electric-. E. L. E. Barton	15804	23 Dec.
Confectionery, Moulding. P. A. Harkin	15665	21 Nov.
Consumer. (See Smoke-consumer.)		
Control system, Railway-traffic-. W. Rowe	15316	28 Aug.
Controller for electric motor. J. T. Hunter	14790	24 April.
Controller for electric motor. J. P. Campbell	15785	18 Dec.
Controlling admission of steam, Valve-gear for. W. Mayne	15583	31 Oct.
Controlling electric switch. W. Kingsland	14993	12 June.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention, and Name of Inventor.	No.	Date.
Controlling-gear for steering engine. J. McLean	15802	22 Dec.
Controlling horses, Purchase-gear for. J. H. Grattan	14874	8 May.
Controlling steamboat-propeller. H. McCormick	15548	16 Oct.
Converter. (See Electrolytic converter, Waste-converter.)		
Conveyer for lowering cases and merchandise. J. B. Waters and G. F. S. MacLean ..	14561	24 Feb.
Cooking-bowl. J. Pomeroy	14741	9 April.
Cooking-range attachment. S. Williams and J. Perks	15136	15 July.
Cooking-range grating. H. Nichol	14681	27 March.
Cooking utensil and colander. E. Bowles	14557	24 Feb.
Cooking-utensil support. F. Pegler	14847	28 April.
Cooler. (See Butter-cooler, Cream-cooling, Milk-cooler.)		
Cooling-tower. C. H. Wheeler	14574	3 March.
Co-operative-trading certificate. W. Lorigan	15671	22 Nov.
Co-ordinates of right-angled triangles, Ascertaining. T. McFarlane	14500	6 Feb.
Copper. (See Washing copper.)		
Copper-ores, Treating. G. Westinghouse	14494	4 Feb.
Copper-ores, Treating. W. Payne and J. L. Taylor	15014	19 June.
Copying-ink. W. Stewart	14525	11 Feb.
Copying-ink for typewriter. W. Stewart	15530	15 Oct.
Copying letters, Damping-apparatus for. F. H. W. Cowper	15431	23 Sept.
Cords to window-sashes, Securing. J. Armstrong	15449	26 Sept.
Corking bottle. W. D. R. McCurdie	15793	17 Dec.
Corn-crusher and chaff-cutter. J. O'Donoghue	14601	10 March.
Corrugated iron, Glazing. A. Jewiss and G. Inglis	15637	15 Nov.
Corrugated iron, Nail for. C. F. Dunn	15774	17 Dec.
Couch. A. Nightingale	15156	22 July.
Couch-head. A. W. Memory and F. G. Hind	14512	11 Feb.
Cough-mixture. F. Ross	15270	18 Aug.
Coulter-centre. J. Cormack	15680	22 Nov.
Coupler. (See Buffer-coupler.)		
Coupling. (See Car-coupling, Pipe-coupling.)		
Coupling hook for plough-chain. N. Ross	15011	17 June.
Coupling railway-trucks. J. T. Woods	15104	10 July.
Couplings, Electro-magnetic. O. Imray	14992	12 June.
Coupon. (See Trade coupon.)		
Course-recorder for ship. W. C. Forbes	15541	22 Oct.
Cover. (See Frying-pan cover, Horse-cover, Liquid-seal cover, Tire-cover, Wheel-tire cover.)		
Coverings for the feet. H. W. Buff	14735	9 April.
Cow-bail. W. V. Hosking	15700	29 Nov.
Cow-bailing appliance. W. V. Hosking	14566	28 Feb.
Cow-leg holder. F. Gough	14635	7 March.
Cow-leg holder. W. A. Collins	15425	19 Sept.
Cow-legs, Securing. F. H. Aussel	14826	3 May.
Cow-rug. J. Burge	15624	13 Nov.
Cramp, Flooring-. G. E. Pruden	14948	30 May.
Cramp for match-boarding. J. Francis	15108	11 July.
Cramping-tool for building. W. J. Pallant	15734	9 Dec.
Crank. (See Bicycle-crank, Cycle-crank.)		
Cranks of bicycles. G. Percival	14562	27 Feb.
Crate. (See Rabbit-crate.)		
Crate and cramp for rabbit-packing. J. Lindsay	15367	8 Sept.
Cream, &c., Cooling. W. M. Wishaw and W. E. Chamberlain	15825	31 Dec.
Crib, &c., Collapsible. J. M. Armour	15304	23 Aug.
Cricketer, Table-. H. Banks	15477	6 Oct.
Cricketer, Table-game of. C. E. Nicholas	14819	2 May.
Croquet, Table-, Apparatus for. M. L. Humm	14974	9 June.
Crossing. (See Railway-crossing.)		
Cross-tie, Cutting railroad. C. Hege	15691	27 Nov.
Crusher. (See Corn-crusher.)		
Crusher and pulveriser, Clod. F. Cooper	15738	24 Nov.
Crushing. (See Pulverising.)		
Cue. (See Billiard-cue.)		
Cuff or sleeve protector. H. E. McDonald	15448	26 Sept.
Culinary instrument. V. Thompson	14692	2 April.
Cultivating, &c., land. T. C., T. A., and S. C. Darby	15314	27 Aug.
Cultivator. R. W. Ayson	15723	2 Dec.
Cultivator for drill. S. R. Stedman	15438	22 Sept.
Cultivator, Spring-tine. F. Cooper	14677	22 March.
Cup. (See Egg-cup.)		
Curler. (See Hair-curler.)		
Current-meter, Prepayment and recording. G. L. Gowlland	15100	10 July.
Curtain. (See Window-curtain.)		
Cutter. (See Butter-cutter, Chaff-cutter, Cigar-cutter, Ham-cutter, Hedge-cutter, Mitre-cutter, Nail-cutter, Rock-cutter, Stone-cutter, Tobacco-cutter.)		
Cutter of shearing-machine, Transmitting motion to. J. K. Stewart	15091	10 July.
Cutting hair or wool. Wolsley Sheep-shearing Machine Company (Limited)	15644	19 Nov.
Cutting, weighing, and parcelling butter. J. Robb	15713	3 Dec.
Cycle. (See Bicycle.)		
Cycle-brake. A. W. Humphreys	15215	2 Aug.
Cycle-crank. F. Soper	15118	14 July.
Cycle-driving gear. C. G. Garrard	15149	23 July.
Cycle-driving mechanism. R. A. C. Laidlaw	14760	15 April.
Cycle-driving mechanism. C. R. Wilson and J. F. Best	14799	26 April.
Cycle-gauntlet. E. Saxton	15028	23 June.
Cycle hub-brake and free wheel. S. Priest, jun.	15042	27 June.
Cycle, Parcel-carrier for. T. R. Ellison	14779	22 April.
Cycle-propelling mechanism. F. L. Summerton and F. J. Amos	15433	23 Sept.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention, and Name of Inventor.	No.	Date.
Cycle-tire cleaner. B. I. Hayward and R. A. Gibson	14877	15 May.
Cycles, Propulsion of. H. G. Grizlinton	14972	7 June.
Cyclist's trouser-clip. W. Beamish	15668	19 Nov.
Damper-regulator. F. Bonnington	15025	23 June.
Damping-apparatus for letter-copying. F. H. W. Cowper	15431	23 Sept.
Date and score indicator. G. F. Dale	15009	16 June.
Decorating picture-frames, &c. J. C. Corbett	14806	28 April.
Decorating woodwork. H. Smith	14648	20 May, '01*
Dental suction-cell. E. A. Slack	14521	5 Feb.
Destroying blight. W. J. Botting	15538	22 Oct.
Detergent. G. Bamberg	15045	27 June.
Detritus and sewage treating tank. J. T. N. Anderson	15679	22 Nov.
Diaphragm for transmitting sound. H. G. A. I. Wieder and S. S. Bromhead	14572	3 March.
Die for forming can-ends. H. Peck	14764	18 April.
Digger. (See Dredge-digger, Potato-digger.)		
Digging and cultivating land. T. C., T. A., and S. C. Darby	15314	27 Aug.
Dining-table, Convertible. H. U. Alcock	15259	12 Aug.
Dinner-plate. J. W. McCarthy	15008	16 June.
Diseases, Medicated sweetmeat for chest-, &c. M. Bjornstad and J. Stacey	15808	20 Dec.
Dish. (See Butter-dish, Pie-dish.)		
Disinfectant, Delivering. M. Neustadt	15210	2 Aug.
Displaying advertising-matter. A. E. Warrington	14855	6 May.
Distance, Ascertaining. (See Range-finder.)		
Distance-indicator for train. J. McKinnon	15816	29 Dec.
Distance-recorder for ship. W. C. Forbes	15541	22 Oct.
Distributor. (See Feed-water heater and distributor.)		
Distribution of carcase-meat. A. Wilkie	15331	20 Aug.
Ditch-plough. C. C. Kidd	15052	25 June.
Ditch-plough. J. Robertson	15588	29 Oct.
Ditching-plough. E. T. R. and J. G. Coates and W. K. Elder	15251	12 Aug.
Divided sole for boot, &c. E. Dimant	15101	10 July.
Divider-compass. V. G. Swinbourne	14490	31 Jan.
Diving-boat for pearl-fishing. C. W. Penny	15275	20 Aug.
Docking lambs. E. H. Wilhelm	15117	14 July.
Door. (See Bulkhead-door.)		
Door, Alarm-attachment for. C. H. Greenhead	14973	7 June.
Door-catch. J. S. Henderson and W. Robinson	14751	17 April.
Door, Draught-preventer for. A. Thompson and J. Roussell	14836	5 May.
Door-fastener. A. Buckland	14737	9 April.
Door for freezing-room, &c. J. R. Watt	15589	3 Nov.
Door-handle, Attaching. T. B. Jacobsen	14652	20 March.
Door-hinge. J. E. Waygood	14858	8 May.
Door-knob, Securing to spindles. T. B. Jacobsen	14851	6 May.
Door-knob, Spindle-attachment to. J. E. A. Frost	14927	23 May.
Door-lock, Attaching handle of. T. B. Jacobsen	14652	20 March.
Door-mat fastener. C. D. Pike	14524	13 Feb.
Door-retainer. N. B. McLennan	15428	19 Sept.
Door, Securing. J. D. Tripe	15244	11 Aug.
Drafting garments. I. A. Plummer	14487	30 Jan.
Drain-excavator and road-grader. D. L. Cochrane	14526	14 Feb.
Drain-trap. H. H. Twemlow	14897	16 May.
Drainage-trap and catch-pit. R. R. Donaldson	14640	19 March.
Draining-apparatus for clothes-wringer. J. Paterson and A. J. Pool	15474	1 Oct.
Draught-chains of vehicles, Spreader for. W. S. Ayson	15190	29 July.
Draught-controlling apparatus and spark-arrester. J. C. Bowring	15715	4 Dec.
Draught-excluder for door. E. R. Ludbrook, A. B. and G. C. Jackson	15222	5 Aug.
Draught-increaser, &c. W. H. Atkin	15219	2 Aug.
Draught-preventing attachment to door. A. Thompson and J. Roussell	14836	5 May.
Draught-producer, &c. C. Rillstone	15112	8 July.
Draught-promoter for locomotive. H. S. Wainwright	15617	7 Nov.
Draught-regulator for grate. J. Mackie	15480	3 Oct.
Draw-gear. A. D. Smith	15248	14 Aug.
Draw-gear, Outtrigger vehicle. R. D. Kelly	15254	15 Aug.
Drawing instrument. (See Set square.)		
Dray. (See Flax-dray, Tip-dray.)		
Dray and scoop combined. D. L. Cochrane	14578	6 March.
Dray-scoop. D. L. Cochrane	15676	19 Nov.
Dray-scoop. D. L. Cochrane	15712	3 Dec.
Dredge-bucket. A. Cederman	15390	12 Sept.
Dredge-bucket. W. J. Evans and J. D. Campbell	15437	24 Sept.
Dredge-bucket, Checking descent of. J. F. McIvor	15082	2 July.
Dredge-bucket link, Rebushing. W. Beamish	15544	21 Oct.
Dredge-bucket, Removing clay from. T. F. Quilter and G. W. Gare	15175	23 July.
Dredge-digger. J. E. Friend	14724	9 April.
Dredge-ladder, Checking descent of buckets down a. J. F. McIvor	15082	2 July.
Dredge machinery, Driving. J. B. Mason and C. L. Watt	14421	6 Jan.
Dredge machinery, Driving. J. T. Johnson	15086	3 July.
Dredge, Pick or grab for. W. Wylie	14940	28 May.
Dredge screen and elevator. R. D. Tosswill and T. M. O'Rourke	15153	23 July.
Dredge-screen, Gold. R. H. Sinnet	15325	29 Aug.
Dredge-tumbler, Bush for. J. Murison	14683	25 March.
Dredge-tumbler sleeve. J. Murison and C. L. Watt	14808	26 April.
Dredges, Delivering tailings from. J. Macpherson and L. Phillips	14460	22 Jan.
Dredging. (See also Gold-dredging.)		
Dredging appliance, Gold-. F. Marisco	14409	10 Jan.
Dredging-ladder. T. Shale	14711	..
Dredging machinery. J. Shepherd	14657	21 March.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention, and Name of Inventor.	No.	Date.
Dredging machinery. J. Shepherd	15097	10 July.
Dredging, Valve for suction-. J. Shepherd	15503	10 Oct.
Drenching-bottle for cattle. N. G. McKay	14531	13 Feb.
Dresscutting chart. L. Roberts	15241	6 Aug.
Drill. (See also Grain-drill, Rock-drill.)		
Drill. R. D. Harris	14575	3 March.
Drill. R. W. Ayson	15723	2 Dec.
Drill. S. White	15796	19 Dec.
Drill, Cultivator for. S. R. Stedman	15438	22 Sept.
Drill, Grain-, &c. J. Macalister	14824	30 April.
Drill-roller, Cleaner for. W. Gardiner	15605	3 Nov.
Drill, Seed-, and fertiliser. H. V. McKay	14746	14 April.
Drilling machine, Rock-. C. W. Thompson	15771	17 Dec.
Driving and braking mechanism. The Barwest Coaster-brake Company	14437	16 Jan.
Driving-belt tightener. A. S. Pike	15747	11 Dec.
Driving-gear. C. G. Garrard	15149	23 July.
Driving-mechanism for bicycle, &c. W. G. Jesson	15348	2 Sept.
Driving-mechanism for cycle. R. A. C. Laidlaw	14760	15 April.
Driving-mechanism for cycle. C. R. Wilson and J. F. Best	14799	26 April.
Dropper. (See Fencing dropper.)		
Dropper for pastry material. H. Grass	14758	17 April.
Dropper for wire-fencing. T. D. Cummins and W. T. Nuttall	15755	13 Dec.
Dropper to wire, Securing. J. Harris	15557	27 Oct.
Dumb-bell, Converting ordinary, into spring-grip. J. Payne	15639	14 Nov.
Dumb-bell, Spring-grip. E. N. Keamy	15271	19 Aug.
Dust, &c, excluder for door. E. R. Ludbrook and A. B. and G. C. Jackson	15222	5 Aug.
Dust from carpets, Extraction of. The Vacuum Cleaner Company (Limited)	15150	23 July.
Dust into fuel, Converting floor-. E. R. Jennings and "Pyrojim" Syndicate (Limited)	15653	19 Nov.
Dusting floors, walls, &c. H. H. Henderson	14955	5 June.
Dustless sweeping-brush. J. P. Wiens	15515	16 Oct.
Dust-preventing attachment for door. A. Thompson and J. Russell	14836	5 May.
Dynamo electrical machinery. J. P. Campbell	15822	30 Dec.
Dynamo electric generator. J. P. Campbell	14644	20 March.
Ear-trumpet. T. W. Messenger	14721	8 April.
Earth-auger. W. L. and J. H. Iwan	15790	16 Dec.
Earth-boring. (See Boring.)		
Earth-closet. T. Ballinger	15445	25 Sept.
Earth-closet. J. W. Henderson	15686	27 Nov.
Easel. (See Blackboard-easel.)		
Edged tools. R. McKenzie	15722	2 Dec.
Educational device for children. F. Hornby	14407	8 Jan.
Egg-beater. W. Herdman	15400	12 Sept.
Egg-cup. A. Lyell	14963	6 June.
Eggs, Box for carriage of. T. W. Coulthard	15404	12 Sept.
Eggs, Boiling-apparatus for. W. H. Gore and H. J. K. Massey-Lawless	15303	22 Aug.
Eggs, Preserving. A. Pfaff	15322	28 Aug.
Elastic-fluid compression. H. Bland	15581	31 Oct.
Electric-alarm thermometer. A. Johnston	15332	28 Aug.
Electric arc-lamp. J. P. Campbell	15310	27 Aug.
Electric arc-lamp. J. P. Campbell	15786	18 Dec.
Electric belt, Medical. G. W. Basley	15001	11 June.
Electric blast-furnace. C. A. Keller	14729	10 April.
Electric clock. J. A. Carruthers	15646	19 Nov.
Electric clock. J. A. Carruthers	15647	19 Nov.
Electric conductor. E. L. E. Barton	15804	23 Dec.
Electric-current circuits, Phase-relation indicator for polyphase. J. T. Hunter	14611	13 March.
Electric fan. W. E. Coleman	14903	23 May.
Electric fan. W. E. Coleman	15602	5 Nov.
Electric generator. (See Dynamo electric generator.)		
Electric ignition for oil-engine. F. Henderson	15525	15 Oct.
Electric lamp, Fittings for. H. McGowan	15410	18 Sept.
Electric machine, Windings for. W. T. L. Travers	14404	7 Jan.
Electric motor. J. T. Hunter	15070	2 July.
Electric-motor controller. J. T. Hunter	14790	24 April.
Electric motor, Controller for. J. P. Campbell	15785	18 Dec.
Electric railway. W. E. Hughes	15781	18 Dec.
Electric railway, Three-wire overhead-system for. A. W. Parker	15446	20 Sept.
Electric railway, Track-construction for. J. T. Hunter	14879	15 May.
Electric switches, Communicating step-by-step motions for controlling. W. Kingsland	14993	12 June.
Electric telegraphy, Audible. R. Oxlade and W. J. W. Richardson	14731	10 April.
Electric-traction system, Surface-contact. The Dolter Electric Traction (Limited)	15768	15 Dec.
Electric-tramcar brake. J. T. Hunter	15579	30 Oct.
Electrical amalgamating-apparatus. E. Richardson	15000	13 June.
Electrical distribution. W. T. L. Travers	14430	14 Jan.
Electrical distribution. W. E. Hughes	14649	20 March.
Electrical fire-alarm. J. P. Robertson	15165	24 July.
Electrical machine, Collector-rings for. W. T. L. Travers	14620	13 March.
Electrical machinery, Dynamo. J. P. Campbell	15822	30 Dec.
Electro-deposition of metals. R. D. Sanders	14813	1 May.
Electrolytic converter. E. Waters, jun.	14662	19 March.
Electro-magnetic couplings. O. Imray	14992	12 June.
Electro-magnetic waves, Signalling by. E. Waters, jun.	15375	6 Sept.
Electro-magnetic waves, Signalling by. E. Waters, jun.	15394	10 Sept.
Electro-magnetic waves, Transmission of power by. E. Waters, jun.	15374	6 Sept.
Elevator. (See Dredge screen and elevator, Goods-elevator, Tailings-elevator.)		
Elevator-chain. R. Holland	15024	23 June.
Emulsion, Separating fats from. J. A. Dahlqvist and C. L. Holm	15038	27 June.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—continued.

Invention, and Name of Inventor.	No.	Date.
Engine. F. H. Sleeper and A. E. Mahon	14768	16 April.
Engine. (See Compressed-fluid engine, Explosive engine, Gas-engine, Internal-combustion engine, Marine-engine, Oil-engine, Rotary engine, Traction-engine.)		
Engine-governor. A. Tornaghi	14563	27 Feb.
Engine-shaft bearing. W. E. Hughes	14501	6 Feb.
Engine-valve gear. W. Mayne	15583	31 Oct.
Ensilage, Compressing. J. K. McNeill and W. E. Collins	15376	10 Sept.
Envelope. J. N. Hancock	15269	18 Aug.
Envelope, Stationery. Elliot's Patent Lock Envelope Company (Limited)	14931	29 May.
Escape. (See Fire-escape.)		
Excavating, &c., gravel. H. Quertier	15501	10 Oct.
Excavating, &c., gravel. H. Quertier	15586	31 Oct.
Excavator. O. B. H. Hanneborg	14536	18 Feb.
Excavator. (See Drain-excavator.)		
Exchange, Automatic telephone. Strowger Automatic Telephone Exchange	15422	19 Sept.
Exchange, Operating telephone. L. E. De Mole	15353	4 Sept.
Exhaust-condenser for explosive motor. R. Whitson	14425	9 Jan.
Exhaust from oil and gas engine, Utilising. H. J. Topliss and N. Andrew	15339	1 Sept.
Exhausting air, Hydraulic apparatus for. W. G. Goss	15324	29 Aug.
Exhibition purposes, Stand for. T. Mutton and H. E. Hupton	15613	4 Nov.
Explosive. E. Phillips	14160	24 Oct.
Explosive. A. McCracken	14757	17 April.
Explosive compound. W. C. Quinby and J. J. Moore	15048	27 June.
Explosive compound of shell, Carrying, &c. H. R. Walker	15693	27 Nov.
Explosive engine. E. F. Colborn	14427	14 Jan.
Explosion-motor. J. A. Secor	14571	3 March.
Explosive motor, Condenser for exhaust from	14425	9 Jan.
Extension-table. L. Kortlang, sen., and A. Kortlang	15775	17 Dec.
Exterminating rabbits. T. G. Russell and A. H. P. Noble	15057	28 June.
Extinguisher. (See Fire-extinguisher, Gas-lamp lighting and extinguishing, Lamp-extinguisher.)		
Extract. (See Meat-extract.)		
Extractor. (See Nail-extractor, Stump-extractor.)		
Fabric. (See Wood-block fabric.)		
Fan, Electric. W. E. Coleman	14903	23 May.
Fan, Electric. W. E. Coleman	15602	5 Nov.
Fanlight, Pivoting-arrangement for. W. Turnbull	14978	9 June.
Fastener. J. Roussel and A. Thompson	14765	18 April.
Fastener. (See Belt-fastener, Boot-fastener, Carpet-fastener, Cart-tailboard fastener, Collar-fastener, Door-fastener, Door-mat fastener, Hat-fastener, Horse-cover fastener, Mat-fastener, Sack-mouth fastener, Sash-fastener, Shirt-neck fastener, Umbrella-fastener, Window-fastener, Window-sash fastener, Wire-rod fastener.)		
Fastening. (See Boot-fastening, Leggings-fastening, Mail-bag fastening.)		
Fastening for glass show-case, &c. J. Mead	15559	23 Oct.
Fastenings, Machine for inserting. United Shoe Machinery Company	14647	20 March.
Fastenings, Machine for inserting. United Shoe Machinery Company	15205	2 Aug.
Fatty substances from emulsions, Separating. J. A. Dahlqvist and C. L. Holm	15038	27 June.
Feed-mechanism for seed-drill. H. V. McKay	14746	14 April.
Feed-water heater. H. Thomas and A. C. Mitchell	14831	2 May.
Feed-water heater and distributor. A. Dunbar	15157	24 July.
Feeding attachment to typewriting-machine, Paper-. D. W. McArthur	15430	23 Sept.
Feet, Coverings for the. H. W. Buff	14735	9 April.
Fence. (See Wire fence.)		
Fence, Clip for securing crossed wires in. A. S. Band	15013	19 June.
Fencing-dropper. E. A. Derrett	14439	17 Jan.
Fencing-staple. H. A. Hudson	14593	7 March.
Fencing-wire, Uncoiling of. Q. A. McIlwraith	15065	27 June.
Ferrule for pipe, &c. T. J. Gilfedder and J. McKinna	14840	5 May.
Fertilisation, Artificial. P. Sivertsen	14784	12 April.
Fertiliser-drill. H. V. McKay	14746	14 April.
Fertiliser, Sowing seed with. P. F. A. and J. Robertson	15550	16 Oct.
Fibre from New Zealand flax, Spinning. I. Jacob and W. Pritzkow	15711	29 Nov.
Fibre-scouring machinery. F. L. Whitney	15490	9 Oct.
Fibre-washing machine. W. Toogood	14715	7 April.
Fibres, Extracting gum from. V. S. Aston	14718	4 April.
Figure for advertising purposes. T. Mutton and H. E. Hupton	15613	4 Nov.
Filament, Incandescent. J. T. Hunter	15312	27 Aug.
File or clip for documents. H. M. Inglis	14936	28 May.
File, wire-twister, and rule. A. Gray	15267	15 Aug.
Filter. (See Metallurgic filter.)		
Filter and butter-cooler. A. Lyell	14960	6 June.
Filter-press, High-pressure tap for. R. F. Bradshaw and W. E. Harding	15769	17 Dec.
Filter, Rain-water. F. J. Tonkin	15340	1 Sept.
Filter-trap for sewage. P. Patten	14713	5 April.
Filter, Water-. J. T. N. Anderson	15756	11 Dec.
Fire-alarm. T. S. Philpott and R. Hutchinson	14599	10 March.
Fire-alarm. P. A. Vaile	14719	7 June, '01.
Fire-alarm. R. H. Bedford	15017	17 June.
Fire-alarm. J. M. Graham	15407	17 Sept.
Fire alarm and escape. T. S. Philpott and R. Hutchinson	14889	20 May.
Fire-alarm, Electrical. J. P. Robertson	15165	24 July.
Fire-escape. W. Stewart	14418	6 Jan.
Fire-escape. C. J. Cooze	14594	7 March.
Fire-escape. A. McFarlane	14597	6 March.
Fire-escape. T. S. Philpott and R. Hutchinson	14598	10 March.
Fire-escape. I. Harrison and E. L. Kirkland	14650	20 March.
Fire-escape. C. J. Cooze	14700	3 April.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued*.

Invention, and Name of Inventor.	No.	Date.
Fire-escape. H. G. Escher	14709	7 April.
Fire-escape. G. Newman	14717	5 April.
Fire-escape. J. W. Rooney	15037	23 June.
Fire-escape. W. H. Keon and W. O. Millar	15261	15 Aug.
Fire-escape. N. H. Whisker, A. Smart, jun., J. Wilson, and T. G. Peek	15387	8 Sept.
Fire-escape. A. E. Cleaver	15532	18 Oct.
Fire escape and extinguisher. F. Montague and J. Laffey	15116	14 July.
Fire escape, extinguisher, and alarm. F. Montague and J. Laffey	15155	21 July.
Fire-escape ladder. S. Barningham, T. O'Connell, and T. McCormack	15146	19 July.
Fire-extinguisher. J. Mackie and T. J. Drumm	14538	18 Feb.
Fire-grate. A. H. Porter and C. J. A. Graham	14971	7 June.
Fire-grate. J. T. and C. H. Metters	15098	10 July.
Fire-heated brand for cattle, Continuously. A. McLeod	15512	9 Oct.
Fireproof floor. R. W. De Montalk	14752	17 April.
Fish-plate, Preventing nuts loosening on. R. E. Pennington and J. Bellett	15623	13 Nov.
Flap-attachment to vehicles. R. Caldwell	14941	28 May.
Flax-dray. L. Coogan	15742	10 Dec.
Flax, Dressing and washing. G. Stafford and A. C. S. French	14872	13 May.
Flax-drum, Selvedge-stripping. W. Fairweather, J. Fairweather, and W. Fairweather, jun.	15795	18 Dec.
Flax, Extracting gum from. H. A. Alexander	14496	27 Jan.
Flax, Extracting gum from. V. S. Aston	14718	4 April.
Flax, Feeding, to a scutcher. W. B. Arlidge	14923	26 May.
Flax, Scutching-machine for. A. E. Reeves	15710	29 Nov.
Flax, Spinning fibre from New Zealand. I. Jacob and W. Pritzkow	15711	29 Nov.
Flax-stripper drum, Truseing-up surface of. J. Anderson	15185	29 July.
Flax-stripper, Plummer-block for. D. Murphy	14891	19 May.
Float in body of water as motor. T. W. Mayson	15685	22 Nov.
Floor. (See Fireproof floor.)		
Floor washing and scrubbing apparatus. J. E. Gee	14656	21 March.
Flooring-crap. G. E. Pruden	14948	30 May.
Floors, walls, &c., Dusting. H. H. Henderson	14955	5 June.
Flue, Stove. H. W. Campbell	15216	1 Aug.
Fluid. (See Washing-fluid.)		
Fluid compression, Elastic. H. Bland	15581	31 Oct.
Fluid-engine, Rotary. Cooley Development Company	15784	18 Dec.
Fluid-heater. J. H. S. Brown	15741	22 July.
Fluid-register. N. Bidstrup	14540	19 Feb.
Flush-conductor for water-closet. W. M. Bartle	14468	22 Jan.
Flush for water-closet. W. M. Bartle	14625	14 March.
Flushing-cistern. H. W. Ward	15363	5 Sept.
Flushing-cistern. T. Smith and G. Boardman	15694	27 Nov.
Flushing-tank, Syphon. A. Burt, jun.	15562	25 Oct.
Flushing urinals. J. L. Williams	14687	1 April.
Fly-trap. A. Butler	15015	19 June.
Flying-machine. R. Whittingham	15787	18 Dec.
Food. (See Malted food, Milk-food.)		
Food-plate. J. D. Smith	15612	4 Nov.
Food, Preservation of. C. Beale	15212	2 Aug.
Foot, Pneumatic. J. Johnson	15199	30 July.
Forage, &c., into bales, Compressing. P. J. Whitfield	15773	17 Dec.
Forage-press. The Victorian Forage-pressing Company Proprietary (Limited)	14991	12 June.
Force-pump. W. H. Boyens	15242	11 Aug.
Foster-mother and incubator. C. L. Bridges	15476	6 Oct.
Foul gas in mine, Detecting. J. Hylard	15320	28 Aug.
Foul gas in mine, Testing. J. Hylard	15321	28 Aug.
Fountain-pen. J. Pomeroy	15087	3 July.
Frame. (See Picture-frame.)		
Frame for slipper bed-pan. E. A. Conyers	15416	18 Sept.
Free wheel and hub-brake, Cycle. S. Priest, jun.	15042	27 June.
Free wheel for velocipede, &c. J. H. Braithwaite	15770	17 Dec.
Freezing-room, Door for. J. R. Watt	15589	3 Nov.
Fretwork. A. McLeod	14432	13 Jan.
Fruit-preserving pan. J. T. Johns	14504	7 Feb.
Fruit-trees, Destroying blight on. W. J. Botting	15538	22 Oct.
Frying-pan, Enclosing. W. Kibblewhite	15607	6 Nov.
Fuel. (See Artificial fuel, Compressed fuel.)		
Fuel-briquette. International Fuel Company	15576	30 Oct.
Fuel, Combustion of. T. D. Kyle	14693	3 April.
Fuel, Converting floor-dust into. E. R. Jennings and "Pyrojim" Syndicate (Limited)	15653	19 Nov.
Fuel-economizer and spark-arrester. E. A. Cameron	15019	16 June.
Fuel-economizer, &c. W. H. Atkin	15219	2 Aug.
Fuel, Using carbonaceous liquid as. F. Cotton	15318	28 Aug.
Fumes from ore, Producing and depositing. The Metallic Compounds Separation Syndicate (Limited)	15572	30 Oct.
Furnace. J. Jay	14632	13 March.
Furnace. A. Grönberg	15268	15 Aug.
Furnace. (See Electric blast-furnace, Ore-roasting furnace, Roasting-furnace, Steam-boiler furnace.)		
Furnace, Supplying steam and air to. G. Claydon	15061	30 June.
Furniture. A. Nightingale	15156	22 July.
Furniture-leg, Attachment to. R. S. Smith	15378	8 Sept.
Furrow-opener for seeding-machine. Bickford and Huffman Company	15683	26 Nov.
Gaiter. J. Wiseman	14616	13 March.
Galley. (See Printers' galley.)		
Game. A. McLeod	14450	16 Jan.
Game. A. Underwood	15193	30 July.
Game. (See Bowls, Ping-pong, Table-cricket, Table-croquet, Table-tennis.)		

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention, and Name of Inventor.	No.	Date.
Game, Indoor. A. J. Massey	15107	11 July.
Game, Indoor. J. H. Powell	15224	4 Aug.
Game, Indoor. D. Gwillim	15341	2 Sept.
Game-apparatus. S. White	15629	11 Nov.
Game-marker. F. Finlay and C. J. Hebblewhite	14820	2 May.
Game, New table. W. Dawson	15458	1 Oct.
Games, Memory-apparatus for. A. G. Floyed	14864	9 May.
Garbage, Converting, into marketable substances. A. E. Niccolls	15033	24 June.
Garment, Securing button to. A. H. Brownley and T. B. Jacobsen	14856	8 May.
Garment-suspender. R. H. Iggo	14834	1 May.
Garments, Patterns for drafting. I. A. Plummer	14487	30 Jan.
Gas. (See Acetylene-gas, Air-gas, Ammonia-gas, Hydrocarbon-gas, Illuminating-gas, Water-gas.)		
Gas and oil motor. H. A. Nicholson	15290	19 Aug.
Gas-burner. S. Shaw	14899	22 May.
Gas burner and mantle. (See Incandescent-gas burner and mantle.)		
Gas-burner, Inverted. Incandescent Gas-lamp Syndicate (Limit d)	14612	13 March.
Gas, Carburetted water. H. W. G. Henderson	14654	20 March.
Gas-carburetter. S. Perrin	14853	3 May.
Gas-carburetter. S. Perrin	15034	20 June.
Gas-compressor, Valve for. W. H. Humble	15286	20 Aug.
Gas, Detecting foul. J. Hylard	15320	28 Aug.
Gas-engine and gas-producer. M. Taylor	15748	11 Dec.
Gas-engine, Electric ignition for. F. Henderson	15525	15 Oct.
Gas from volatile hydrocarbon, Inflammable. G. H. Clapham	15745	11 Dec.
Gas-generator. Fairbanks, Morse, and Co.	15442	25 Sept.
Gas-lamp. (See also Acetylene-gas lamp, Incandescent gas-lamp.)		
Gas-lamp, Lighting and extinguishing. H. M. Levinge	14667	24 March.
Gas-lighting. (See Incandescent gas-lighting.)		
Gas lighting and heating. W. H. Gaze	15565	29 Oct.
Gas-manufacture. W. J. Dibdin and H. C. Woltereck	14957	5 June.
Gas of low calorific power, Obtaining light from. J. Chamberlain	15234	6 Aug.
Gas or air compressor. L. C. Auldjo	14753	17 April.
Gas-pressure regulator. F. Baertl	15645	19 Nov.
Gas, Producing. E. F. Colborn	14428	14 Jan.
Gas, Testing. J. Hylard	15321	28 Aug.
Gas under pressure, Receptacle for. L. J. Bizet	15043	27 June.
Gases, Saturating liquids with. A. C. J. Charlier	14862	9 May.
Gate. G. C. Clarke	15434	23 Sept.
Gate. (See also Race-starting gate.)		
Gate, Automatically operating. O. Hansen	15483	4 Oct.
Gate, Farm and stock. H. F. Band	14990	12 June.
Gate-hinge. A. S. Duncan	14628	11 March.
Gate-hinge. J. E. Waygood	14858	8 May.
Gathering and shaping glass. Toledo Glass Company	15522	16 Oct.
Gauge for steam-boiler, Water. A. B. Masters	15585	31 Oct.
Gauge-glass for steam-boiler. R. P. Gibbons	14770	14 April.
Gauntlet. (See Cycle-gauntlet.)		
Gear. (See Draw-gear, Driving-gear.)		
Gearing, Velocipede. J. Archer	14916	21 May.
Gelatine, Manufacture of. W. Cormack and J. G. F. Lowson	15767	17 Dec.
Generating. (See Steam-generating.)		
Generator. (See Acetylene-gas generator, Dynamo electric generator, Gas-generator, Hydro-carbon-gas generator, Steam-generator.)		
Gig, &c., Movable mudguard for. W. H. Diddams	15297	25 Aug.
Girth and surcingle. J. Moroney	14629	15 March.
Glass articles, Hollow. H. Severin	15690	27 Nov.
Glass articles, Manufacturing. J. A. Chambers	14429	14 Jan.
Glass-case fastening. J. Mead	15559	23 Oct.
Glass, Gathering and shaping. Toledo Glass Company	15522	16 Oct.
Glazing corrugated iron. A. Jewiss and G. Inglis	15637	15 Nov.
Globe for illuminating purposes. E. Bohm	15076	3 July.
Gold and silver, Extraction of. M. Zobel	14627	15 March.
Gold-dredge screen. R. H. Sinnet	15325	29 Aug.
Gold-dredging. H. N. McLeod and G. A. Hurley	14401	6 Jan.
Gold-dredging. F. Marisco	14409	10 Jan.
Gold-dredging machinery. H. H. Rayward and E. S. Baldwin	14463	22 Jan.
Gold, Extraction of. E. Richardson	15000	13 June.
Gold extractor and separator. M. Bate	15405	13 Sept.
Gold-ores, Vessel for treating. F. C. Brown and S. D. McMiken	14883	12 May.
Gold, Raising, from crevices in rock below water. J. D. Coomber	15529	14 Oct.
Gold, Recovering, from refractory ores. T. H. Hicks	15093	10 July.
Gold-saving. H. G. Hankin	14564	27 Feb.
Gold-saving. G. J. Perotti	14676	26 March.
Gold-saving. H. G. Hankin	14907	23 May.
Gold-saving apparatus. R. and J. H. Millis	14457	18 Jan.
Gold-saving apparatus. T. M. Baldwin	14505	6 Feb.
Gold-saving apparatus. H. N. McLeod and G. A. Hurley	15220	5 Aug.
Gold-saving apparatus. J. Sigley	15358	5 Sept.
Gold-saving apparatus. J. S. Weston, H. F. Chaffey, and F. E. Smith	15396	13 Sept.
Gold-saving dredge-screen. G. T. Heppell	14608	12 March.
Gold-saving mat. R. W. Parkinson and H. Neilsen	14422	11 Jan.
Gold-saving screen. F. J. Foot and C. J. Swann	15563	25 Oct.
Gold-saving table. J. Ramsay	15656	17 Nov.
Gold-saving table. J. Ramsay	15726	5 Dec.
Gold-screen. F. Henderson	15197	29 July.
Gold-separator. E. Waters, jun.	14984	7 June.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention, and Name of Inventor.	No.	Date.
Gold, Treating tailings for. M. Gargurevich	15468	3 Oct.
Golf-bag. D. Donald	14835	5 May.
Golf-practice apparatus. J. H. Anderson	14706	3 April.
Goods-elevator. M. W. Fleming	15335	30 Aug.
Gout cure. J. Fraser	15371	9 Sept.
Governor, Engine. A. Tornaghi	14563	27 Feb.
Governor, Marine. W. G. Hood, R. Williams, and J. Reilly	15633	15 Nov.
Grab-hook for dredge. W. Wylie	14940	28 May.
Grader. (See Road-grader.)		
Grading and concentrating table. J. B. Mason	14420	6 Jan.
Grading and concentrating table. J. B. Mason	15372	6 Sept.
Grading auriferous spoil. H. G. Hankin	14907	23 May.
Grain-drill. J. Macalister	14824	30 April.
Grain-drill, Feed for. J. M. Falconer	14489	27 Jan.
Grain, Poisoning. J. W. Arthur	15549	16 Oct.
Grain-reel for reaping-machine. J. Kelly	15667	19 Nov.
Graphophone. W. C. Runge	15047	27 June.
Grate. (See Fire-grate.)		
Grate, Draught-regulator for. J. Mackie	15480	3 Oct.
Grating. (See cooking-range grating.)		
Gravel, &c., Excavating, &c. H. Quertier	15501	10 Oct.
Gravel, &c., Excavating, &c. H. Quertier	15586	31 Oct.
Gravity and automatic concentrating-table. J. B. Mason	15372	6 Sept.
Grease and oil separator. F. Moore	15762	12 Dec.
Grinding. (See Pulverising.)		
Grinding lime, stone, &c., Machine for. F. E. Whitham	14615	13 March.
Grip. (See Clothing-grip, Hat-grip, Parcel-grip, Rope-grip.)		
Grip-bracket and rowlock. D. Urquhart	15457	1 Oct.
Grubber. (See stump-grubber.)		
Guard. (See Moustache-guard.)		
Gum. (See Kauri-gum.)		
Gum-boots, Closing leaking holes in. P. H. Brown	15135	16 July.
Gum, Extracting, from flax. H. A. Alexander	14496	27 Jan.
Gum, Extracting, from flax. V. S. Aston	14718	4 April.
Gun. (See Alarm-gun, Magazine-gun.)		
Guttapercha substitute. A. Gentzsch	14410	10 Jan.
Guttering for building. C. G. Lee	14910	21 May.
Hair. (See Shearing hair.)		
Hair-bristles, Removing oil from. A. Born	14989	12 June.
Hair-clipping machine. H. Leadbeater, jun.	15757	11 Dec.
Hair-curler. J. D. Smith	14663	21 March.
Hair-curler. K. Raymond	15111	8 July.
Hair-curler. W. Nicol	15288	18 Aug.
Hair, Preparation for the. C. M. Robertson	15194	31 July.
Hair, Preparation for the. J. F. Donnelly	15531	18 Oct.
Hair-restorer. J. F. Donnelly	14592	19 March.
Hairdressers' cabinet. G. Dent	14449	18 Jan.
Hairdressers' rack and advertising-device. P. J. Gossling	15217	1 Aug.
Hairpin. G. H. Bigelow	14532	14 Feb.
Hairpin. G. H. Bigelow	14539	15 Feb.
Hairpin. G. H. Bigelow	14818	28 April.
Hairpin. W. H. Fahey and W. Wardrop	14828	2 May.
Halls, &c., Ventilating. J. D. Kelly, D. P. Fisher, and N. V. G. Wix	14952	4 June.
Ham and bacon slicer. G. Carrington	14701	2 April.
Ham and bacon slicer. G. Carrington	15012	18 June.
Hames and collar and traces. J. Benson	15366	3 Sept.
Hammer. (See Claw-hammer.)		
Handle. (See Bicycle-handle, Broom-handle, Can-handle, Door-handle, Knife-handle, Receptacle-handle.)		
Hanging pictures, Means for. A. H. Brownley	14878	15 May.
Harbour-bar removal, Canal for. F. Lambert	15240	8 Aug.
Harness for horse. J. T. Murphy	15658	20 Nov.
Harrow, Stump-jumping. E. J. and W. R. Hume	14816	1 May.
Harvester, Sheaf-binding. I. Trolley	15600	5 Nov.
Harvester, Sheaf-carrier for. J. V. Fahey	14637	15 March.
Harvesting-appliance. M. Saunders	15022	18 June.
Hat and clothes brush. C. Lashlie	15365	5 Sept.
Hat-fastener. J. Pomeroy	14414	8 Jan.
Hat-fastener. F. Kettle	14461	22 Jan.
Hat-fastener. F. Kettle	14470	22 Jan.
Hat-fastener. C. Bristow	14534	15 Feb.
Hat-fastener. J. H. Seymour and W. Wardrop	14702	4 April.
Hat-fastener. J. H. Seymour and W. Wardrop	14740	11 April.
Hat-fastener. W. Borlase	14967	4 June.
Hat-fastener. K. Raymond	14994	6 June.
Hat-fastener. W. H. Fahey	15628	11 Nov.
Hat-grip. R. D. Harris	14695	3 April.
Hat-pin and fastening. W. H. Fahey and W. Wardrop	14828	2 May.
Hat, Securing to wearer's head. W. A. Thomsen	15461	10 Oct.
Hats, Securing. T. W. North, E. Jennings, W. Reece, and H. Forwood	15464	29 Sept.
Hauling logs, Tripping-block for. G. Davidson	14510	10 Feb.
Hauling logs, Tripping-block for. G. Davidson	14558	24 Feb.
Heat from lamp, Utilising waste. E. J. Kee	15517	13 Oct.
Heat from slag, Utilising. G. Mitchell and L. D. Copeland	15424	19 Sept.
Heater. (See Feed-water heater, Fluid-heater, Water-heater.)		
Heater and burner. A. McLeod	15498	6 Oct.
Heater, Laundry-iron. F. Pegler	14847	28 April.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention, and Name of Inventor.	No.	Date.
Heating, Gas for. W. H. Gaze	15565	29 Oct.
Heating of schoolrooms, &c. M. Arragon	15436	24 Sept.
Heating water by steam. H. Baux	15524	14 Oct.
Heavy oil, Using, in gas-engine. W. B. and E. Brain	15823	26 Aug.
Hedge-clipping machine. E. Collins	15231	7 Aug.
Hedge-cutter. J. H. Thomas	14736	9 April.
Heel. (See Boot-heel.)		
Heel, Detachable boot-. A. F. Davis	15336	30 Aug.
Heel-nailing machine. United Shoe Machinery Company	14697	3 April.
Heel-nailing machine, Jack for. United Shoe Machinery Company	14789	24 April.
Heel, Resilient leather. C. D. Lightband	15621	7 Nov.
Heel to boot, Attaching. W. H. Bowick	15137	18 July.
High-pressure gauge-glass for steam-boiler. R. P. Gibbons	14770	14 April.
Hilling and breaking up ground, Implement for. J. Brasting	15364	5 Sept.
Hinge. R. Dunne	15138	17 July.
Hinge, Face-pivot. T. Roberts	15763	16 Dec.
Hinge for gate, &c. A. S. Duncan	14628	11 March.
Hinge, Gate and door. J. E. Waygood	14858	8 May.
Hoist and truck, Portable. M. W. Fleming	15408	13 Sept.
Hold-all or kit-valise. D. W. Healy	15482	7 Oct.
Holder. (See Bicycle-holder, Book-holder, Bottle-holder, Candle-holder, Cigar and cigarette holder, Cow-leg holder, Newspaper-holder, Pen-holder, Wire-strainer holder.)		
Holding bag for filling. J. Orr, jun.	15120	14 July.
Hollow-glass article. H. Severin	15690	27 Nov.
Hollow ware, Manufacture of. G. Sweet	14411	10 Jan.
Hook. (See Coupling-hook, Spring-hook.)		
Horse collar. H. O. Cassels and H. Preston	14568	28 Feb.
Horse-collar. T. W. North	15380	11 Sept.
Horse-controlling gear. J. H. Grattan	14874	8 May.
Horse cover. C. W. Wycherley	14623	14 March.
Horse-cover. T. McNaught	14685	27 March.
Horse-cover. A. Hodge and W. Jones	14966	2 June.
Horse-cover fastening. P. S. Brodie	14896	16 May.
Horse-cover fastening. A. F. Roy	15021	17 June.
Horse-cover fastening. T. Anderson and W. Nichols	15766	15 Dec.
Horse-cover, Securing. F. Ketteg	14708	4 April.
Horse-cover, Securing. C. W. Wycherley	14623	14 March.
Horse cover, Securing front of. J. Murphy	15500	10 Oct.
Horse-cover, Strapping for. J. Neagle	14854	7 May.
Horse-race, Lead-bag for. J. Neagle	14398	4 Jan.
Horse-race starting-machine. H. C. Stortenbeker and S. J. Cowan	15716	4 Dec.
Horse-rug. J. Burge	15624	13 Nov.
Horse-rug, Securing. J. Ellis	15811	24 Dec.
Horse-stopper. T. Firth	15758	15 Dec.
Horse-stopper and wheel-lock. F. Matthews	14953	4 June.
Horses, Releasing from stables. S. O. Keoghan	14673	25 March.
Horses running away, Preventing. F. Matthews	14913	24 May.
Horses, Yoking. W. H. Cochrane	15189	29 July.
Horseshoe, Rubber pad for. W. Waters	15440	20 Sept.
Hose, Closing holes in. P. H. Brown	15135	16 July.
Hot-house. J. Black, J. A. Stringer, and A. W. Clayden	14435	15 Jan.
Hub-brake and free wheel. S. Priest, jun.	15042	27 June.
Hub for fastening machinery to a shaft. W. H. Gordon	14761	17 April.
Hub, Pneumatic, for vehicle. J. R. Hayne	14850	3 May.
Hurdle, Racing-. H. P. Knutzen	15805	20 Dec.
Hydraulic apparatus for exhausting air. W. G. Goss	15324	29 Aug.
Hydraulic duplex oil-brake. G. W. Blanks	15352	4 Sept.
Hydrocarbon, Gas from. G. H. Clapham	15745	11 Dec.
Hydrocarbon-gas generator. J. and B. Watt	15330	1 Sept.
Hydrocarbon-gas, Production of. W. B. Walters	15260	16 Aug.
Hydrocarbon-vapour burner, Liquid. E. Waters, jun.	15718	4 Dec.
Igniting lamps. H. M. Levinge	14667	24 March.
Illuminant. J. G. Massie	15233	4 Aug.
Illuminating-gas. W. H. Gaze	15565	29 Oct.
Illuminating-gas. W. H. Gaze	15706	2 Dec.
Incandescence-gas or vapour lighting. Flameless Gaslight Company (Limited)	15124	17 July.
Incandescence-mantle. Kern Burner Company (Limited)	14546	20 Feb.
Incandescent filament and mantle. J. T. Hunter	15312	27 Aug.
Incandescent gas-burner. Flameless Gaslight Company (Limited)	15578	30 Oct.
Incandescent gas-lamp. Allgemeine Beleuchtungs und Heiz-Industrie Actien-Gesellschaft	14759	17 April.
Incandescent gas-lamp, Reflector for. R. Lockhead	15709	29 Nov.
Incandescent lamp, Advertising-attachment to. C. E. Thies and L. E. Lowrey	15090	10 July.
Incandescent mantle. G. Buhlmann	15160	24 July.
Incubator. E. A. Temperley	15211	2 Aug.
Incubator and foster-mother. C. L. Bridges	15476	6 Oct.
Indestructible lamp-wick. R. L. Suckling	15307	25 Aug.
Index file for documents. H. M. Inglis	14936	28 May.
Indicating and calculating apparatus. J. C. McBride	15510	9 Oct.
Indicating length of textile rolls. T. S. Philpott and T. Herd	15471	3 Oct.
Indicator. (See Date-indicator, Distance-indicator, Phase-relation indicator, Score-indicator, Table-tennis score indicator, Target-score indicator.)		
Indoor game. (See Game.)		
Injector. J. L. Wilson	15296	25 Aug.
Ink. (See Copying-ink.)		
Ink, Printer's varnish and. A. G. Wass	15169	22 July.
Inlet of suction-pipe. J. Smaill	15334	30 Aug.
Inserting fastenings. United Shoe Machinery Company	15205	2 Aug.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued*.

Invention, and Name of Inventor.	No.	Date.
Insole for boot and shoe. A. Taylor.. ..	14890	20 May.
Insulating walls, &c. F. De J. Clere	15273	20 Aug.
Internal-combustion engine. G. Westinghouse	14434	15 Jan.
Invalid's table. F. A. Miller	14600	10 March.
Iron. (See Corrugated iron, Plane-iron.)		
Iron-heater and cooking-utensil support. F. Pegler	14847	28 April.
Iron, Oxides, Treatment of. D. R. S. Galbraith	14769	16 April.
Iron plates, Jointing. J. Couston and W. Porritt	14587	6 March.
Ironing-board, Stand for. W. Swinnerton	15558	24 Oct.
Ironsand, &c., Reduction of. D. R. S. Galbraith and W. Stewart	15661	18 Nov.
Ironsand, &c., Reduction of. D. R. S. Galbraith and W. Stewart	15662	18 Nov.
Jack. (See Lifting-jack, Timber-jack.)		
Jack for heel-nailing machine. United Shoe Machinery Company	14789	24 April.
Jacket, Inflatable life-saving. G. Nuttall	15761	15 Dec.
Jar-closure. J. A. Landsberger	15739	10 Dec.
Joint for locking-bar type of pipe. G. J. Hoskins	15386	8 Sept.
Joint for railway-crossing, Pivot-blade. W. Watts	15493	9 Oct.
Joint for tin or can. M. B. L. Ehrmann and Queensland Meat Export and Agency Company (Limited)	14614	13 March.
Jointing iron plates. J. Couston and W. Porritt	14587	6 March.
Kauri-gum dirt, Utilising deposits of. D. R. S. Galbraith	14492	31 Jan.
Keeper, Saddlery-. W. E. Searle	14777	19 April.
Kerosene in oil-engine, Use of. W. B. and E. Brain	15323	26 Aug.
Kerosene-pump. F. Watson	14895	19 May.
Kerosene-siphon. G. F. Hutchinson and G. W. Symmans	14951	4 June.
Kerosene-tap. R. Simmonds	14803	29 April.
Kettle. J. J. Macky	14424	9 Jan.
Kettle, Bottom and sides for. R. P. Gibbons	15632	11 Nov.
Kit valise or hold-all. D. W. Healy	15482	7 Oct.
Kneading and mixing machine. E. F. W. Wieda	15746	11 Dec.
Knife-cleaner. F. A. Miller	14924	26 May.
Knife-cleaner. M. Earle	15235	2 Aug.
Knife-cleaner. J. A. Boyd	15729	8 Dec.
Knife cleaner and sharpener. S. Nicolson	15276	20 Aug.
Knife-handle. J. Durey	15695	25 Nov.
Laces and lacing stays. K. Raymond	14976	4 June.
Laces, Boot-. K. Raymond	14906	19 May.
Lacing articles, Means for. J. Pomeroy	14947	29 May.
Lacing of boots, belts, &c. G. Turner	15360	5 Sept.
Ladder. E. Langford	15596	8 Nov.
Ladder, Step-, and chair. J. M. Armour	15067	28 June.
Ladder. (See Dredging-ladder, Fire-escape, Step-ladder, Telescope ladder.)		
Ladies' skirts, Measuring. C. M. Brophy	15392	10 Sept.
Lamb-docking, &c. E. H. Wilhelm	15117	14 July.
Lamp. (See Acetylene-gas lamp, Arc-lamp, Carriage-lamp, Electric lamp, Gas-lamp, Incandescent gas-lamp, Nernst-lamp, Oil-lamp.)		
Lamp-bracket. W. Desmond	15278	21 Aug.
Lamp-extinguisher. T. McDonough	15496	9 Oct.
Lamp, Piano bracket-. L. Fagan	15472	4 Oct.
Lamp, Utilising waste heat from. E. J. Kee	15517	13 Oct.
Lamp-wick. R. L. Suckling	15307	25 Aug.
Lamp-wick. D. Gascoyne	15743	10 Dec.
Lasting-machine. United Shoe Machinery Company	14547	20 Feb.
Lasting-machine. United Shoe Machinery Company	14548	20 Feb.
Lasting-machine. United Shoe Machinery Company	14882	16 May.
Lathe, Screw-cutting, Attachment to. F. Simpson	15187	29 July.
Latrines, Automatic flushing urinals and. J. L. Williams	14687	1 April.
Lavatory-requisite. S. McDougall	15807	22 Dec.
Lawn-weeding tool. W. Harrison	15714	3 Dec.
Lead. (See White-lead.)		
Lead-bag for horse-race. J. Neagle	14398	4 Jan.
Lead-headed nail. G. Croxford	15214	31 July.
Lead-pigments, &c., Manufacture of. A. C. J. Charlier	14862	9 May.
Lead-sulphide from their ore, Extracting. E. S. Baldwin and H. H. Rayward	15687	27 Nov.
Leather and rubber composite. C. D. Lightband and F. A. Webster	15721	3 Dec.
Leather-skiving machine. United Shoe Machinery Company	15207	2 Aug.
Leg-holder for cows. F. Gough	14635	7 March.
Leg of cow, Holding. W. A. Collins	15425	19 Sept.
Leggings. A. Findlay, jun., J. B. and J. J. Salmon, and W. J. Ashton	14506	7 Feb.
Leggings, Fastening for. C. D. Brent	15018	20 June.
Leggings, Puttie-. J. T. Allinson and W. T. S. Robertson	14788	24 April.
Legs, Securing cow-. F. H. Aussel	14826	3 May.
Letter-copying, Damping-apparatus for. F. H. W. Cowper	15431	23 Sept.
Letter-tracing, Textile. G. Pulman	14909	21 May.
Letters, Preventing extraction of, from box. W. L. Davidson	15105	10 July.
Lever lifting-jack. W. McKenzie and J. R. Bell	15760	15 Dec.
Lid. (See Closet-seat lid, Milk-can lid, Saucepan-lid.)		
Life-preserver, Marine. J. Ewing, jun.	15809	24 Dec.
Life-saving appliance. P. Peterson	15338	1 Sept.
Life-saving jacket, Inflatable. G. Nuttall	15761	15 Dec.
Life-saving raft. G. Croll	15672	22 Nov.
Lifting-jack. F. A. Miller	15388	12 Sept.
Lifting-jack, Lever. W. McKenzie and J. R. Bell	15760	15 Dec.
Lifting-jack, Shoe for. J. B. Jackson	14599	6 Jan.
Light from gas of low calorific power, Obtaining. J. Chamberlain	15234	6 Aug.
Lighters for handling coal. J. Campbell	14798	24 April.
Lighting, Incandescence gas-. Flameless Gaslight Company (Limited)	15124	17 July.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention, and Name of Inventor.	No.	Date.
Lime, manure, and seed sower. A. B. Todd	14417	8 Jan.
Lime, sand, bricks, &c., Making. E. J. Parrott.. .. .	14866	7 May.
Limestone-working machine. J. J. and W. G. Jamieson	14639	19 March.
Line. (See Clothes-line.)		
Line, Attaching articles to. C. H. Osmond	14785	21 April.
Line, Carrying running, over standing. W. Beamish	15630	11 Nov.
Lining for tunnel, &c. G. H. Dunlop	15819	30 Dec.
Lining of vessel for metallurgical work. G. Westinghouse	15479	7 Oct.
Linotype machine. H. McGowan	15717	4 Dec.
Liquid, Determining, in refrigerating-apparatus. J. Smaill	14830	2 May.
Liquid seal-cover. H. J. Jones	14749	17 April.
Liquid, Siphon pump for drawing off. W. H. Boyens	14396	3 Jan.
Liquid under pressure, Receptacle for. L. J. Bizet	15043	27 June.
Liquids. (See also Aerated liquids, Sweetening liquids.)		
Liquids, Measuring predetermined quantities of. E. T. Towgood	14815	1 May.
Liquids, Raising. T. Taplin	14939	30 May.
Littoral alluvial deposits, Concentrating. J. Nelson and D. Reid, jun.	15003	11 June.
Loading and unloading vessels. G. H. Airey	15609	5 Nov.
Loading photographic apparatus. G. N. Pifer	15527	25 Oct., '01*
Lock. H. Roberts and J. Bannister	15183	24 July.
Lock. (See Door-lock, Mail-bag lock, Nut-lock, Seal-lock, Vehicle-wheel lock, Wheel-lock, Window-lock.)		
Lock-nut. C. J. Cooze	14699	3 April.
Lock-nut. G. H. Bigelow	14844	1 May.
Lock-nut. G. H. Bigelow	14845	1 May.
Lock-nut plate. R. E. Pennington and J. Bellett	15623	13 Nov.
Locking and signalling at facing-points. J. S. Kirkpatrick	14995	9 June.
Locking-bar joint of pipe. G. J. Hoskins	15751	9 Dec.
Locking-bar type of pipe, Joint for. G. J. Hoskins	15386	8 Sept.
Locking brake of vehicle. F. Matthews	15792	19 Dec.
Locking-device for cams, &c. F. M. Canda	15125	17 July.
Locking nuts, Means for. J. Austin	14969	6 June.
Logs down a river, Rafting. A. M. Grainger	15465	2 Oct.
Logs, Machine for sawing. J. Greenacre	14514	11 Feb.
Logs, Tripping-block for hauling. G. Davidson	14558	24 Feb.
Loom, Straw-matting. W. Wattie	15040	27 June.
Loop, Boxed. W. E. Searle	14777	19 April.
Magazine-gun. J. Hylard and E. G. H. Bingham	14405	8 Jan.
Magnetic from non-magnetic materials, Separating. J. H. A. McPhee	14849	3 May.
Magnetic ore-separator. F. J. King	14810	1 May.
Mail-bag, Buckle for. G. H. Longdin	15054	27 June.
Mail-bag, Fastening. R. H. Easdown	15077	3 July.
Mail-bag seal-lock. A. A. S. Smith	15162	24 July.
Mail-bag, Seal-lock for strap of. J. Channon	15678	25 Nov.
Mail-marking machine. D. Robertson	14686	1 April.
Malted food. J. M. Pinnock	15114	11 July.
Mantle. (See Incandescent mantle, Incandescence mantle.)		
Manure and seed sower. W. A. Land	15007	16 June.
Manure and seed sower. O. Tipton	15041	27 June.
Manure-distributing attachment to plough. F. W. Sudholz	15398	13 Sept.
Manure-drill. J. Macalister	14824	30 April.
Manure from waste products, Manufacture of. W. H. Metcalfe	15313	27 Aug.
Manure, lime, and seed sower. A. B. Todd	14417	8 Jan.
Manure-planter. J. A. Thrumm	14488	30 Jan.
Manure, Preparing yeast as a. W. Wardle	14573	3 March.
Manure-sower. R. W. Ayson	15723	2 Dec.
Marine composition. T. S. Mullay and W. Sievwright	14881	13 May.
Marine engine, Preventing racing of. E. Hope	14511	10 Feb.
Marine governor. W. G. Hood, R. Williams, and J. Reilly	15633	15 Nov.
Marine life-preserver. J. Ewing, jun.	15809	24 Dec.
Marine oil-engine discharge. R. Arthur	14669	22 March.
Marine screw-propeller. E. Conroy	15444	25 Sept.
Marine steam-turbine. Hon. C. A. Parsons	15351	4 Sept.
Mark. (See Stock-mark.)		
Marker. (See Checking-marker.)		
Marking. (See Mail-marking.)		
Marking and branding appliances. A. McLeod	14796	25 April.
Marking survey-pegs, &c. W. D. R. McCurdie	15794	17 Dec.
Martingale. W. G. Geary	14664	24 March.
Martingale. W. G. Geary	14943	31 May.
Mat. (See Gold-saving mat.)		
Mat-fastener. A. O. Bridgman	14822	30 April.
Match-boarding, Cramp for. J. Francis	15108	11 July.
Match-box. J. Purkiss	14621	14 March.
Match-box and candlestick. A. Lyell	14961	6 June.
Match-holder, &c. P. J. Gossling	15256	12 Aug.
Match-striker. W. Marriott and E. Benham	14442	17 Jan.
Match-striker for cigarette-box. J. H. S. Brown	15663	18 Nov.
Matrices for printing-plates. E. Waters, jun.	14807	26 April.
Matting, Straw. W. Wattie	15040	27 June.
Mattress. F. Klaer and A. Law	14419	6 Jan.
Mattress. (See also Wire mattress.)		
Mattress and bedstead. G. S. Heatley	15283	22 Aug.
Mattress, bed, and bolster. E. H. Luxford	15355	4 Sept.
Mattress-filling machine. K. Wessel	15298	26 Aug.
Measuring ladies' skirts. C. M. Brophy	15392	10 Sept.
Measuring out liquids. E. T. Towgood	14815	1 May.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention, and Name of Inventor.	No.	Date.
Meat, Distribution of. A. Wilkie	15331	30 Aug.
Meat, Soluble extract of. A. G. Kidston-Hunter	15798	19 Dec.
Mechanical milking. D. T. Sharples	15309	27 Aug.
Medicated biscuit. J. S. Rutherford	15074	2 July.
Medicated sweetmeat for consumption, &c. M. Bjornstad and J. Stacey	15808	20 Dec.
Medicinal compound. J. Fraser	15371	9 Sept.
Medicines for cuts, bruises, &c. W. Dawson	14771	16 April.
Memory-game, Apparatus for. A. G. Floyed	14864	9 May.
Mercury, &c., from ore-pulp, Separating. T. H. Hicks	15092	10 July.
Mercury from amalgam, Separating. T. H. Hicks	15094	10 July.
Merry-go-round. A. Coucill	14869	7 May.
Metal for pipe-making, Bending. T. Danks	15382	9 Sept.
Metal tubes, Manufacture of. B. F. McTear	14403	6 Jan.
Metallurgic filter. E. Waters, jun.	14661	19 March.
Metallurgical work, Lining of vessels for. G. Westinghouse	15479	7 Oct.
Metals, Deposition of. Sherard, Cowper, Coles, and Co. (Limited)	14932	1 May.
Metals, Electro-deposition of. R. D. Sanders	14813	1 May.
Metals, Extraction of. H. R. Cassel	14814	1 May.
Metals, Process for obtaining. C. A. Keller	14729	10 April.
Meter. (See Current-meter.)		
Military kit valise. D. W. Healy	15482	7 Oct.
Milk-aerator. J. Lemire	14634	18 March.
Milk-can lid. J. T. Love	15250	14 Aug.
Milk-cooler. J. Kerr	15293	23 Aug.
Milk cooler, aerator, and strainer. D. Harris	15619	12 Nov.
Milk cooler and aerator. H. Pennington and M. T. West	14556	24 Feb.
Milk cooler and filler. W. S. Davey	15539	22 Oct.
Milk, Cooling and aerating. R. Chambers	14885	19 May.
Milk-food. D. R. S. Galbraith	15368	6 Sept.
Milk into cans, Delivering. W. Barton	15460	1 Oct.
Milk, Measuring out. E. T. Towgood	14815	1 May.
Milk, Mixing. A. Gaulin	15750	11 Dec.
Milk-strainer. J. Kerr	15292	23 Aug.
Milk, Straining. G. Adcock	15506	13 Oct.
Milk-straining pan. W. Harvey	15299	22 Aug.
Milk, Transporting. F. H. Aussel	14981	10 June.
Milking-apparatus. W. H. Lawrence and R. Kennedy	15151	23 July.
Milking-apparatus. A. Gillies	15652	19 Nov.
Milking-apparatus, Mechanical. D. T. Sharples	15309	27 Aug.
Milking-machine. W. E. Hughes	15564	29 Oct.
Milking-machine. A. Gillies and E. J. Kelly	15597	5 Nov.
Milking-machine. A. Gillies and E. J. Kelly	15598	5 Nov.
Milking-machine. D. R. Ross	15626	13 Nov.
Mill. (See Stamp-mill.)		
Mineral substances by oil, Separating. A. S. Elmore	14518	13 Feb.
Mines, Detecting foul gas in. J. Hyland	15320	28 Aug.
Mines, Testing foul gas in. J. Hyland	15321	28 Aug.
Minnow, Artificial. C. H. Osmond	14684	26 March.
Mirror. A. J. Park	14472	23 Jan.
Mitre-cutting machine. R. Dunne	15176	23 July.
Mitre-cutting machine. R. Dunne	15243	8 Aug.
Mixing-machine. E. F. W. Wieda	15746	11 Dec.
Moths, Capturing, at night-time. D. Thompson	15195	31 July.
Motion, Mechanism for converting. J. M. Rauhoff	14641	20 March.
Motion of steam-engine, Reversing. A. I. Senior	15285	22 Aug.
Motion-transmitting mechanism, Bowden. G. W. Basley	15724	1 Dec.
Motive power. J. G. Massie	15233	4 Aug.
Motor. (See Electric motor, Explosive motor, Oil and gas motor, Reciprocatory motor, Rotary motor, Water-motor.)		
Motor-attachment to bicycle. A. R. Wilkins and J. W. Odering	15306	25 Aug.
Motor car, Free wheel for. J. H. Braithwaite	15770	17 Dec.
Motor, Using float in water as a. T. W. Mayson	15685	22 Nov.
Moulder. (See Butter-moulder.)		
Moulding confectionery. P. A. Harkin	15665	21 Nov.
Moulding soap. K. Schnetzer	15727	3 Dec.
Moustache-guard. A. Rountree	14624	11 March.
Mud-guard for gig, &c., Movable. W. H. Diddams	15297	25 Aug.
Multitubular water-column boiler. F. F., L. B., A. C., and H. W. Coulsell	15677	25 Nov.
Music-books, Attachment to piano for holding. R. Chambers	15188	29 July.
Mustard-pot. A. H. Cotton	14871	10 May.
Nail. P. Patten	14712	5 April.
Nail. (See Boot-nail, Roofing-nail.)		
Nail extractor and cutter. J. A. McPhee	14997	10 June.
Nail for corrugated iron. C. F. Dunn	15774	17 Dec.
Nail, Lead-headed. G. Croxford	15214	31 July.
Nail, spike, bolt, &c. O. M. J. Olsen	15518	13 Oct.
Nails, Assorting. United Shoe Machinery Company	15413	18 Sept.
Nascent carbon-dioxide, Treating substances with. Smethurst Furnace and Ore-treatment Syndicate (Limited)	14868	7 May.
Neck of bottle, Tool for forming. Universal Seal and Stopper Company	14886	20 May.
Neckties, Means for securing. T. R. Porter	14983	11 June.
Nernst lamp. Nernst Electric Light (Limited)	14732	10 April.
Net apparatus, Ping-pong. C. McIntyre, F. C. Palethorpe, and J. S. Schwartz	15344	3 Sept.
Net, Table-tennis. W. N. Smith	15608	6 Nov.
Newspaper-delivery box, Weatherproof. J. Sigley	15236	2 Aug.
Newspaper-holder. J. H. Marple	14537	18 Feb.
Nicotine-trap for tobacco-pipe. W. A. Ede-Clendinnen	15384	11 Sept.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued*

Invention, and Name of Inventor.	No.	Date.
Nightsoil-box seat. H. August	14680	25 March.
Nightsoil-receptacle. H. Ham	15648	19 Nov.
Nitro-cellulose compounds. J. B. G. Bonnaud	14642	20 March.
Non-refillable bottle. W. L. Davidson	15554	27 Oct.
Non-refillable bottle. R. Garnham	14750	17 April.
Non-refillable bottle. T. A. Garratt	15326	26 Aug.
Non-refillable bottle. J. Hancock and G. Ramage	14596	6 March.
Non-refillable bottle. W. E. and A. J. Mason	14782	22 April.
Non-refillable bottle. T. C. McLennan and J. W. Pepperell	15085	5 July.
Non-refillable bottle. T. C. McLennan and J. W. Pepperell	15106	9 July.
Non-refillable bottle. F. McLeod	15030	23 June.
Non-refillable bottle. R. A. Morgan and C. S. Johnston	15053	27 June.
Non-refillable bottle. T. S. Philpott	15475	6 Oct.
Non-refillable bottle. W. J. Sellars	14710	7 April.
Non-refillable bottle. A. Soutter	15346	3 Sept.
Non-refillable bottle. E. Walker	15023	18 June.
Nozzle-appliance for cleaning grooves of tramways, &c. F. A. Jones, O. Bowman, G. McMullen, and A. Rankin	14863	9 May.
Nurse for children, Mechanical. J. M. Moison	15484	6 Oct.
Nut. (See Lock-nut.)		
Nut-lock. G. J. Bertinshaw	15055	30 June.
Nut-lock. G. H. Bigelow	14845	1 May.
Nut-lock. J. J. Macky and G. H. Bigelow	14626	12 March.
Nut-lock. J. J. Macky	15280	19 Aug.
Oil and gas engine, Use of heavy oils in. W. B. and E. Brain	15323	26 Aug.
Oil and gas engine, Utilising exhaust from. H. J. Topliss and N. Andrew	15339	1 Sept.
Oil and gas motor. H. A. Nicholson	15290	19 Aug.
Oil and grease separator. F. Moore	15762	12 Dec.
Oil-brake, Hydraulic duplex. G. W. Blanks	15352	4 Sept.
Oil-engine. (See Marine oil-engine.)		
Oil-engine, Discharging waste products of. R. Arthur	14669	22 March.
Oil-engine, Electric ignition for. F. Henderson	15525	15 Oct.
Oil-feeding can. W. Beamish	15631	11 Nov.
Oil-fuel boiler. W. S. Kay	15489	3 Oct.
Oil-lamp. J. F. C. Farquhar	14688	1 April.
Oil, Removing, from wool, &c. A. Born	14989	12 June.
Oil-separator. J. Chambers and Son (Limited)	14670	25 March.
Oiling axle of vehicle. T. S. Philpott	14609	12 March.
Oiling axle of vehicle. R. L. Suttie	15818	30 Dec.
Oiling carriage-axes. A. Thompson and J. Roussell	14766	18 April.
Opening oysters. M. J. Cherrie	15705	2 Dec.
Opening oysters. J. Winepress	15467	2 Oct.
Opening soda-water, &c., bottle. S. White	15697	26 Nov.
Ore, Agglomerating finely divided. A. and W. J. Malden	15514	16 Oct.
Ore-concentrator. W. G. Dodd	14485	30 Jan.
Ore-concentrator. A. A. Francis	14545	20 Feb.
Ore-concentrator, &c. J. R. Harrison	15462	1 Oct.
Ore-concentrator. T. H. Hicks	15095	10 July.
Ore-concentrator. O. Sorensen	14458	25 Feb.
Ore-concentrator. Wilfley Ore-concentrator Syndicate (Limited)	14479	11 Mar., '01*
Ore-concentrator. Wilfley Ore-concentrator Syndicate (Limited)	14480	29 Jan.
Ore-concentrator. G. W. Wright	15593	31 Oct.
Ore, Producing and depositing fumes from. Metallic Compounds Separation Syndicate (Ltd.)	15572	30 Oct.
Ore-pulp, Separating. International Ore-separating Company	15099	10 July.
Ore-roasting furnace. W. A. Maddern	15516	16 Oct.
Ore-pulveriser, Single-ball. T. H. Hicks	15096	10 July.
Ore-separator. F. J. King	14810	1 May.
Ore, Treating copper-. G. Westinghouse	14494	4 Feb.
Ore, Treating copper-. W. Payne and J. L. Taylor	15014	19 June.
Ore, Treating refractory. W. E. Hughes	15780	18 Dec.
Ores, Extracting metals from. H. R. Cassel	14814	1 May.
Ottoman scroll. A. W. Memory and F. G. Hind	14512	11 Feb.
Outrigger vehicle draw-gear. R. D. Kelly	15254	15 Aug.
Overhead system of electric railway. A. W. Parker	15446	20 Sept.
Oxide of antimony, Manufacturing. A. S. Plews	14643	20 March.
Oysters, Opening. M. J. Cherrie	15705	2 Dec.
Oysters, Opening. J. Winepress	15467	2 Oct.
Packing-case. A. C. Wolff	14433	13 Jan.
Packing-cases applied to roofing, &c. E. L. Pease	15740	10 Dec.
Packing-rings. G. Huhn	14412	10 Jan.
Packing semi-solid chemicals in small quantities. T. Baker	15699	26 Nov.
Packing tea, &c. T. Deane	15173	24 July.
Packing tea, &c. A. H. Nathan	15403	16 Sept.
Pad. (See Rubber pad.)		
Paint-brush binder. C. Sawyer	15319	28 Aug.
Painted surfaces, Cleansing. M. Peryer	14441	16 Jan.
Painted surfaces, Cleansing. M. Peryer	14606	10 March.
Palm, Sewing-. J. Pomeroy	15060	22 June.
Pan. (See Bed-pan, Frying-pan, Fruit-preserving pan, Milk-straining pan, Patty-pan, Stewing-pan.)		
Paper, Binding sheets of. H. E. Dade	15225	4 Aug.
Paper, Binding sheets of. J. T. Steele	15741	10 Dec.
Paper-feeding attachment to typewriter. D. W. McArthur	15430	23 Sept.
Paraffine in oil-engines, Using. W. and E. Brain	15323	26 Aug.
Parallel ruler. C. L. Watt	14471	22 Jan.
Parcel-carrier for cycle. T. R. Ellison	14779	22 April.
Parcel-carrier system, Pneumatic. Lamson Store-service Company (Limited)	15573	30 Oct.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention, and Name of Inventor.	No.	Date.
Parcel-carrier, Wire-track. Lamson Store-service Company (Limited)	15574	30 Oct.
Parcel-grip, Advertising. A. H. Brownley	15570	30 Oct.
Parlour billiards. W. McLean	15649	19 Nov.
Partition-wall block or plate. W. A. C. Waller	14447	15 Jan.
Pattern. (See Garment-pattern.)		
Patty-pan. R. J. Keys	15342	2 Sept.
Pearl-fishing, Diving-boat for. C. W. Penny	15275	20 Aug.
Pedal. (See Bicycle-pedal.)		
Peg. (See Clothes-peg, Survey-peg.)		
Pen. (See Fountain-pen.)		
Penholder, Finger-guide for. D. McKenzie	15817	30 Dec.
Perambulator. J. Ford and A. C. Murray	14870	9 May.
Perambulator. L. Adamson	15478	6 Oct.
Perforated brick. J. Clark	15459	1 Oct.
Perishable products, Preserving. D. R. Jones and P. A. Larritt	14586	6 March.
Phase-relation indicator for polyphase electric-current circuits. J. T. Hunter	14611	13 March.
<i>Phormium tenax</i> . (See Flax.)		
Photographic apparatus, Loading. G. N. Pifer	15527	25 Oct., '01*
Photographic likeness, Mechanism for automatically producing a. G. N. Pifer	15731	13 Dec., '01*
Photographic plate. G. N. Pifer	15528	25 Oct., '01*
Physical exercise, Rowing-machine for. L. W. Grayson and C. S. Cunningham	15439	20 Sept.
Piano bracket-lamp. L. Fagan	15472	4 Oct.
Pianoforte, Music-holder attachment to. R. Chambers	15188	29 July.
Picks for dredges. W. Wylie	14940	28 May.
Picture-frame. J. C. Corbett	14527	14 Feb.
Picture-frame. A. W. Jones and S. M. McFarland	14696	1 April.
Picture-frame, Decorating. J. C. Corbett	14806	28 April.
Pictures, Hanging. A. H. Brownley	14878	15 May.
Pie-dish. E. B. Arthur	15127	17 July.
Pigeon-trap. J. Rose	15044	13 June.
Pigments, Lead. A. C. J. Charlier	14862	9 May.
Pin. (See Brooch-pin, Hair-pin, Hat-pin.)		
Pin. Elliot's Patent Improved Domestic Pin Company (Limited)	14589	6 March.
Ping-pong. F. H. W. Cowper	14631	14 March.
Ping-pong apparatus. K. S. Ramsay	14795	22 April.
Ping-pong apparatus. F. L. Ryan	14949	30 May.
Ping-pong bat. T. Herbert	15032	19 June.
Ping-pong net-apparatus. C. McIntyre, F. C. Palethorpe, and J. S. Schwartz	15344	3 Sept.
Ping-pong racquet. H. H. Rayward	14793	22 April.
Ping-pong scoring-apparatus. G. F. Dale	14945	31 May.
Ping-pong, Standards used in. Australian Manufacturing and Importing Company	14725	8 April.
Pipe. (See Artesian-well pipe, Suction-pipe, Tobacco-pipe.)		
Pipe, Closing locking-bar joint of. G. J. Hoskins	15751	9 Dec.
Pipe-coupling. W. H. Keon	15349	4 Sept.
Pipe-joint. G. J. Hoskins	15386	8 Sept.
Pipe-making, Bending metal for. T. Danks	15382	9 Sept.
Pivoting-arrangement for fanlights, &c. W. Turnbull	14978	9 June.
Plane-iron. J. Creamer	15415	18 Sept.
Plant-setter. R. J. L. Witty	15311	27 Aug.
Planter. (See Manure-planter, Potato-planter.)		
Planting potatoes. C. J. Jervis	15453	25 Sept.
Plastic material, Reinforcement of. W. J. Baltzer	14900	22 May.
Plate. G. F. F. Davis and F. C. Williams	15130	18 July.
Plate. (See Dinner-plate, Food-plate, Lock-nut plate, Photographic plate, Printing-plate.)		
Plate for separating fine from coarse washdirt. J. Thomson	15801	18 Dec.
Plates, Connecting iron. J. Couston and W. Porritt	14587	6 March.
Plough. G. Barney	14508	10 Feb.
Plough. J. Anderson	15170	25 July.
Plough. (See Ditch-plough, Road-plough, Trenching-plough.)		
Plough-attachment. H. G. Williams	15466	2 Oct.
Plough, Attachment to. F. W. Sudholz	15398	13 Sept.
Plough-chain, Coupling-hook for. N. Ross	15011	17 June.
Plough for breaking subsoil, Attachment to. H. Coe	15642	17 Nov.
Ploughshare. A. M. White	14827	25 April.
Plug-brick. C. W. Langstone	15272	20 Aug.
Plug-brick and hæmatite concrete. R. Harrison	15673	24 Nov.
Plummer-block. D. Murphy	14891	19 May.
Pneumatic cash-and-parcel-carrier system. Lamson Store-service Company (Limited)	15573	3 Oct.
Pneumatic cushion-appliance. W. Stewart	14418	6 Jan.
Pneumatic foot. J. Johnson	15199	30 July.
Pneumatic hub for vehicles. J. R. Hayne	14850	3 May.
Pneumatic inner tube of tire. E. E. A. Esse	15121	17 July.
Pneumatic railway-signalling. M. Corrington	14618	13 March.
Pneumatic tire. C. Ray	14395	3 Jan.
Pneumatic tire. J. R. Brunt and R. C. Pitt	14408	8 Jan.
Pneumatic-tire covering. C. D. Lightband	15495	7 Oct.
Pneumatic-tire covering. G. F. Brown	15615	7 Nov.
Pocket. (See Clothes-pocket, Watch-pocket.)		
Points. (See Railway and tramway points.)		
Points, Appliance for operating. W. Taylor	14499	6 Feb.
Poisoning grain. J. W. Arthur	15549	16 Oct.
Poisoning rabbits. T. Robertson	15778	18 Dec.
Polishing-appliance for boot, &c. F. H. Killingsworth and P. Rawson	15305	25 Aug.
Polishing-machine. (See Boot-polishing machine.)		
Pollard, Dropper for phosphorized. H. Grass	14758	17 April.
Portable building. D. Brummer	15651	19 Nov.
Portland cement. F. Oakden	14605	8 March.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention, and Name of Inventor.	No.	Date.
Pot. (See Mustard-pot.)		
Pot-cleaner. W. Borlase ..	14517	10 Feb.
Pot-stick and washing-tongs. W. J. McLean ..	14860	9 May.
Potato-carrier. E. Walker ..	15571	30 Oct.
Potato-chipping machine. J. Whitelaw and J. Munro ..	15402	16 Sept.
Potato-digger. J. Vorbach ..	14734	2 April.
Potato-planter. C. L. Jervis ..	15453	25 Sept.
Potato-planter. F. Cooper ..	15737	24 Nov.
Potato-planting attachment to plough. F. W. Sudholz ..	15398	13 Sept.
Poultry-brooder. S. R. Johnson ..	15492	9 Oct.
Power by electro-magnetic waves, Transmission of. E. Waters, jun. ..	15374	6 Sept.
Power from waves of sea. C. P. De Lajard ..	15654	19 Nov.
Preparation for the hair. C. M. Robertson ..	15194	31 July.
Prepayment and recording current-meter. G. L. Gowlland ..	15100	10 July.
Preservation of food. C. Beale ..	15212	2 Aug.
Preservative composition. C. W. Langstone and J. C. McKerrow ..	14781	22 April.
Preservative for butter. F. M. Hunt ..	15295	25 Aug.
Preservative for eggs. A. Pfaff ..	15322	28 Aug.
Preserving. (See Wood-preserving.)		
Preserving and stewing pan. W. A. Knight ..	14591	4 March.
Preserving-composition. T. S. Mullan and W. Sievwright ..	14881	13 May.
Preserving-pan. (See Fruit-preserving pan.)		
Preserving perishable products. D. R. Jones and P. A. Larritt ..	14586	6 March.
Preserving skin, Preparation for. K. Cooper ..	15520	15 Oct.
Press. (See Forage-press, Stamping and marking press.)		
Pressure-regulator. P. H. Reardon ..	14638	15 March.
Printer. (See Butter-printer.)		
Printers' galley and chase. F. P. Wilson ..	15635	17 Nov.
Printers' varnish and ink. A. G. Wass ..	15169	22 July.
Printing in gold, &c., powders. The Linotype Company (Limited) ..	15414	18 Sept.
Printing-machine. T. Cossar ..	15575	30 Oct.
Printing-machine for butter, &c. R. Boxall and A. A. Robinson ..	15543	23 Oct.
Printing-plates and matrices for same. E. Waters, jun. ..	14807	26 April.
Printing-roller, Removable. J. Anderson ..	15486	4 Oct.
Printing-surface, Production of. W. Thomas ..	14607	10 March.
Privy-receptacle. J. Walker ..	15084	4 July.
Propeller, Auxiliary. R. P. Gibbons ..	15640	13 Nov.
Propeller, Controlling steamboat. M. McCormick ..	15548	16 Oct.
Propeller-hood attachment. M. W. Lane ..	15560	28 Oct.
Propeller, Marine screw-. E. Conroy ..	15444	25 Sept.
Propelling and sustaining boats. J. A. Fiddes ..	15432	23 Sept.
Protecting bank of river, &c. J. F. Rose ..	15113	12 July.
Protecting clothes from dust on wheels. R. Caldwell ..	14941	28 May.
Protector, Cuff or sleeve. H. E. McDonald ..	15448	26 Sept.
Pulley, Clutch for. F. Wiggins ..	14522	13 Feb.
Pulling-over machine. United Shoe Machinery Company ..	14698	3 April.
Pulveriser and clod-crusher. F. Cooper ..	15737	24 Nov.
Pulveriser, Single-ball ore-. T. H. Hicks ..	15096	10 July.
Pulverising-apparatus. W. A. Kōneman ..	15577	30 Oct.
Pulverising-machine. D. S. S. Steuart ..	14776	18 April.
Pump. J. S. C. Bonham ..	14467	24 Jan.
Pump. W. H. Madill ..	14509	10 Feb.
Pump. F. Wiggins ..	14522	13 Feb.
Pump. (See Forcé-pump, Kerosene-pump, Siphon pump.)		
Pump for drawing off liquids. W. H. Boyens ..	14396	3 Jan.
Pump for low lifts. J. Tyrrell, jun. ..	15451	26 Sept.
Pumping smoke or fumes. D. Hanna ..	15643	17 Nov.
Punching-machine, Hand-power. D. Donald ..	14559	25 Feb.
Punkah for chair, &c. F. W. Hayes ..	15568	30 Oct.
Purchase-gear, Single and multi, for controlling horses. J. W. Grattan ..	14874	8 May.
Puttie-legging. J. T. Allinson and W. T. S. Robertson ..	14788	24 April.
Rabbit-crate. W. Burrell and J. P. McMeekin ..	14466	24 Jan.
Rabbit-crate. W. Moore and C. T. Kiernan ..	14778	17 April.
Rabbit destruction, Dropper for pasty material for. H. Grass ..	14758	17 April.
Rabbit-packing, Crate and cramp for. J. Lindsay ..	15367	8 Sept.
Rabbit-poisoning. T. Robertson ..	15778	18 Dec.
Rabbit-trap. C. C. Forno ..	14794	22 April.
Rabbit-trap. W. Rodier ..	14934	29 May.
Rabbit-trap. J. Campbell ..	15370	9 Sept.
Rabbit-trap. C. W. Constable ..	15675	19 Nov.
Rabbit-trap, Attachment to. J. T. Good ..	14747	14 April.
Rabbits, Exterminating. T. G. Russell and A. H. P. Noble ..	15057	28 June.
Race. (See Horse-race.)		
Racehorse, Head-bag for. J. Neagle ..	14398	4 Jan.
Race-starting gate. A. Lyell ..	14744	15 April.
Race-starting gate. A. Lyell ..	14962	6 June.
Racing-hurdle. H. P. Knutzen ..	15805	20 Dec.
Racing of marine engine, Preventing. E. Hope ..	14511	10 Feb.
Rack. (See Broom-rack, Hairdressers' rack, Towel-rack.)		
Racquet for ping-pong. H. H. Rayward ..	14793	22 April.
Racquet for table games. J. W. Jones ..	14653	19 March.
Raft. G. Croll ..	15672	22 Nov.
Rafting logs, &c., down a river. A. M. Grainger ..	15465	2 Oct.
Rail-cleaner. (See Tram-rail cleaner.)		
Railroad cross-tie, Cutting. C. A. Hege ..	15691	27 Nov.
Rails. (See Railway-rails, Tramway-rails.)		
Railway. (See Cash-carrier railway, Electric railway.)		

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention, and Name of Inventor.	No.	Date.
Railway air-brake, Adjusting. R. E. Robertson	15708	2 Dec.
Railway and tramway points, Shifting. G. D. Ross	14588	6 March.
Railway-brake. S. Cheney, jun.	15566	29 Oct.
Railway-car bicycle-carrier. A. Lyell	14513	11 Feb.
Railway-crossing, Pivot blade-joint for. W. Watts	15493	9 Oct.
Railway-rails, Fixing. W. J. Foot	14426	14 Jan.
Railway-signalling, Pneumatic. M. Corrington and F. L. Dodgson	14618	13 March.
Railway signals and points, Operating. W. Taylor	14499	6 Feb.
Railway, Three-wire overhead system of electric. A. W. Parker	15446	20 Sept.
Railway-traffic-control system. W. Rowe	15316	28 Aug.
Railway-truck coupling. J. T. Woods	15104	10 July.
Rain-excluder for door. E. R. Ludbrook, A. B. and G. C. Jackson	15222	5 Aug.
Rain-water, Collecting. L. Adamson	15657	20 Nov.
Rain-water strainer. F. J. Tonkin	15340	1 Sept.
Raising gold from crevices in rock below water. J. D. Coomber	15529	14 Oct.
Range. (See Cooking-range.)		
Range-finder. C. A. Trotter	14773	19 April.
Range-finder. L. O. Beal, jun.	14787	19 April.
Rat-trap. E. T. Towgood and F. H. Hazelden	15031	23 June.
Rat-trap. H. Dixon	15812	23 Dec.
Rat-trap. H. Dixon	15813	23 Dec.
Ratchet nut-lock. G. J. Bertinshaw	15055	30 June.
Razor-strop. R. B. Jackson and J. Sharp, jun.	15732	9 Dec.
Reading-desk. J. H. Marple	14537	18 Feb.
Reaping-machine, Grain-reel for. J. Kelly	15667	19 Nov.
Receiver for wireless telegraphy. G. Marconi and Marconi's Wireless Telegraph Company (Limited)	15689	3 May.
Receptacle. (See Nightsoil-receptacle, Privy-receptacle.)		
Receptacle for liquid under pressure. L. J. Bizet	15043	27 June.
Receptacle-handle. A. R. Ayson	15110	11 July.
Reciprocatory motor. F. T. H. M. J. Marcard	15582	31 Oct.
Recorder. (See Billiard-score recorder, Course-recorder, Distance-recorder, Vote-recorder.)		
Reducing stone, lime, &c. F. E. Whittham	14615	13 March.
Reduction of ironsand, &c. D. R. S. Galbraith and W. Steuart	15661	18 Nov.
Reduction of ironsand, &c. D. R. S. Galbraith and W. Steuart	15662	18 Nov.
Reflector for incandescent gas-lamp. R. Lockhead	15709	29 Nov.
Refractory ores, Extracting gold, &c., from. E. Richardson	15000	13 June.
Refractory ores, Recovering gold from. T. H. Hicks	15093	10 July.
Refractory ores, Treating. W. E. Hughes	15780	18 Dec.
Refrigerating-apparatus, Determining quantity of liquid in. J. Smaill	14830	2 May.
Register. (See Fluid-register.)		
Register and recorder. W. E. Hughes	14809	1 May.
Registering and recording machine. H. Drouleage	14772	17 April.
Registering-machine, &c. H. Drouleage	15814	22 Dec.
Regulating intermittent squeeze and feed for closing joints of pipes. G. J. Hoskins	15751	9 Dec.
Regulator. (See Damper-regulator, Draught-regulator, Gas-pressure regulator, Pressure-regulator, Saw stripper and regulator, Shear-regulator.)		
Reinforcement of plastic material. W. J. Baltzer	14900	22 May.
Relief valve, Automatic. P. E. Sagnol and T. Tonks	15719	4 Dec.
Remedy for cuts, &c. W. Dawson	14771	16 April.
Removing coal from hold of ship. F. P. Evans and D. McDougall	14861	9 May.
Removing tire of bicycle. S. Nicolson	15659	20 Nov.
Renewing window-cords. A. Smith and R. Ewing	15499	10 Oct.
Repairing-patch for bicycle-tire. C. W. Stephenson	15109	11 July.
Repairing rib of umbrella, Clip for. T. Rice	15513	14 Oct.
Reservoir-attachment to washstand. S. Soffe	14965	6 June.
Reshaping rolled products. Foreign McKenna Process Company	15327	26 Aug.
Restoring overworked sponge. R. Todd	15470	3 Oct.
Retainer. (See Door-retainer.)		
Reversing motion of steam-engine. A. I. Senior	15285	22 Aug.
Reversing rotation of shafting. W. A. Gamman	15684	26 Nov.
Revolving or stationary canvas target. C. H. Shattky	14902	17 May.
Rheumatism, Medicinal compound for. J. Fraser	15371	9 Sept.
Ridges for roofing. P. Patten	14714	5 April.
Rifle-shooting at short range. A. C. Whitney	15029	23 June.
Rims of wheels, Tightening. J. Winters	15584	31 Oct.
Rings. (See Packing-rings.)		
River-bank protection. J. F. Rose	14484	21 Jan.
River-banks, Protecting. J. F. Rose	15113	12 July.
River-bar removal, Canal for. F. Lambert	15240	8 Aug.
River, Rafting logs down a. A. M. Grainger	15465	2 Oct.
Road-grader. D. L. Cochrane	14526	14 Feb.
Road-making, Treating clay for. J. T. Steele	15131	18 July.
Road-plough. E. H. Grey	14738	12 April.
Road-sweeper. F. W. Paterson	14823	30 April.
Roasting. (See Ore-roasting.)		
Roasting-furnace. F. Klepetko and W. J. Evans	14888	20 May.
Rock-cutting apparatus. F. Lobnitz	14950	30 May.
Rock-drill. W. Brady	15329	26 Aug.
Rock-drill. J. Cox	15426	16 Sept.
Rock-drilling machine. C. W. Thompson	15771	17 Dec.
Rod for wire fencing. A. T. De Bary	14730	10 April.
Rolled-iron pipe, Joint for. G. J. Hoskins	15386	8 Sept.
Rolled products, Reshaping. Foreign McKenna Process Company	15327	26 Aug.
Roller. (See Drill-roller, Printing-roller.)		
Roller for swampy, &c., ground. T. Fennessy	15075	3 July.
Rolling-vat, Agitation. M. Zobel	14627	15 March.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention, and Name of Inventor	No	Date.
Roofing nail and screw. F. Giles	15247	14 Aug.
Roofing, Ridges for. P. Patten	14714	5 April.
Roofing, Structural arrangement applicable to. E. L. Pease	15740	10 Dec.
Root-grubbing machine. S. H. Manners	15759	15 Dec.
Rope-grip. J. F. Smith	14477	25 Jan.
Rope-making, Extracting gum from fibres for. V. S. Aston	14718	4 April.
Rope-tightener. S. W. Bradbury	14431	14 Jan.
Rope-tightener. A. S. Pike	15747	11 Dec.
Rotary engine. J. L. McMillan	14935	29 May.
Rotary engine. W. Buckingham	15044	27 June.
Rotary engine. St. C. N. H. Macdonald	15132	18 July.
Rotary engine. P. Ellis	15274	20 Aug.
Rotary engine. J. L. McMillan	15610	6 Nov.
Rotary fluid-engine. Cooley Development Company	15784	18 Dec.
Rotary motor. E. Moss	14552	20 Feb.
Rotary steam-engine. E. L. Wickins	15625	13 Nov.
Rotation of shafting, Reversing. W. A. Gamman	15684	26 Nov.
"Roulette" billiards. E. Hasselbach	15736	6 Dec.
Rowing-machine for exercise, &c. L. W. Grayson and C. S. Cunningham	15439	20 Sept.
Rowlock and grip-bracket. D. Urquhart	15457	1 Oct.
Rubber composite, Leather and. C. D. Lightband and F. A. Webster	15721	3 Dec.
Rubber heel, Attaching, to boot. W. H. Bowick	15137	18 July.
Rubber pad for horseshoe. W. Waters	15440	20 Sept.
Rug for cows, &c. J. Burge	15624	13 Nov.
Rug, Securing horse-. J. Ellis	15811	24 Dec.
Rule, file, and wire-twister. A. Gray	15266	15 Aug.
Ruler. F. Pegler	14926	27 May.
Ruler. (See Parallel ruler.)		
Ruler and blotting-pad. C. N. Hodder and J. Rogers	15128	14 July.
Sack-mouth fastener. W. Beamish	15508	11 Oct.
Sack-mouth fastener. W. Beamish	15669	19 Nov.
Saddle. H. W. Downing	15556	27 Oct.
Saddle-cloth, ambulance stretcher, or camp-bed. F. R. Young	14570	3 March.
Saddle tool-bag. A. Gray	15266	15 Aug.
Saddlery-keeper. W. E. Searle	14777	19 April.
Sandal. S. and H. R. Smith	15178	25 July.
Sash. (See Window-sash.)		
Sash adjuster, Window-. J. H. Pledger	15081	30 June.
Sash-fastener. Fresh Air and Safety Sash-fastener Company (Limited)	14493	4 Feb.
Sash-fastener. A. F. W. Lorie	14529	12 Feb.
Sash-fastener. A. F. W. Lorie	14554	20 Feb.
Sash-fastener. A. F. W. Lorie	15050	24 June.
Sash-fastener. R. F. Smith	15027	19 June.
Sash-fastener. A. F. W. Lorie	15145	19 July.
Sash-fastener. G. Simpson	15337	30 Aug.
Sash-fastener. J. G. Reilly	15441	25 Sept.
Sash, Safety. H. Mayr	15591	30 Oct.
Sash, Securing cord to. J. Armstrong	15449	26 Sept.
Saucepan-lid. S. S. Stretton	15666	21 Nov.
Saving. (See Life-saving appliance, Gold-saving.)		
Saw-set. C. O. Andersson	15115	14 July.
Saw stripper and regulator. J. H. Grattan	14630	13 March.
Saw stripper and regulator. J. H. Grattan	14873	8 May.
Sawing logs, Machine for. J. Greenacre	14514	11 Feb.
Sawing-machine, Vertical. J. Robson	15655	19 Nov.
Scarifier. J. Traves	15379	8 Sept.
School-bag, Shoulder-strap for. G. Goosman	15196	28 July.
Schoolrooms, &c., Heating. M. Arragon	15436	24 Sept.
Scoop and dray combined. D. L. Cochrane	14578	6 March.
Scoop, Dray-. D. L. Cochrane	15676	19 Nov.
Scoop, Dray-. D. L. Cochrane	15712	3 Dec.
Score and date indicator. G. F. Dale	15009	16 June.
Score-indicator for table-tennis, &c. A. K. Smith	15393	10 Sept.
Score indicator, Target-. J. McKay	15354	4 Sept.
Score, Recording billiard-. R. Williams	15237	8 Aug.
Scoring-apparatus for tennis, &c. G. F. Dale	14945	31 May.
Scouring. (See Wood-scouring.)		
Screen. (See Dredge-screen, Gold-saving screen, Gold-screen.)		
Screw. G. C. Smith	15201	30 July.
Screw. C. F. Dunn	15774	17 Dec.
Screw. (See Roofing-screw.)		
Screw-cutting attachment to lathe. F. Simpson	15187	29 July.
Screw-propelled vessel, Propeller-hood for. M. W. Lane	15560	28 Oct.
Screw-propeller. E. Conroy	15444	25 Sept.
Scrubber. T. M. Higgle	15454	25 Oct.
Scrubbing. (See Floor washing and scrubbing.)		
Scutching-machine, Feeding flax-fibre to. W. B. Arlidge	14923	26 May.
Scutching machine, Flax-. A. E. Reeves	15710	29 Nov.
Scuttle. (See Coal-scuttle.)		
Sea, Utilising power of waves of. C. P. De Lajard	15654	19 Nov.
Seal-cover, Liquid. H. J. Jones	14749	17 April.
Seal-lock for mail-bag. A. A. S. Smith	15162	24 July.
Seal-lock for mail-bag. J. Channon	15678	25 Nov.
Sealed can. American Tobacco Company	15246	14 Aug.
Sealing tins. Valves (Limited)	14682	26 March.
Seams of can-bodies, Soldering. G. W. Berry	14933	29 May.
Searing lambs. E. H. Wilhelm	15117	14 July.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention, and Name of Inventor.	No.	Date.
Seat. (See Chair-seat, Closet-seat, Vehicle-seat, Water-closet seat.)		
Secateur. A. W. A. Barnard and W. G. Reid	15200	30 July.
Seed and manure sower. W. A. Land	15007	16 June.
Seed broadcast, Drill for sowing. R. W. Ayson.. .. .	15723	2 Dec.
Seed-drill box and feed-mechanism. H. V. McKay	14746	14 April.
Seed, lime, and manure sower. A. B. Todd	14417	8 Jan.
Seed-setter. R. J. L. Witty	15311	27 Aug.
Seed-sower. J. Macalister	14495	1 Feb.
Seed-sower. J. Green	14543	19 Feb.
Seed-sower. J. F. McNeill	14567	27 Feb.
Seed-sower. J. Macalister	14704	2 April.
Seed-sower. J. Macalister	14705	2 April.
Seed-sower. J. Macalister	14977	31 May.
Seed-sower. O. Tipton	15041	27 June.
Seed-sower. W. E. Chamberlain	15806	23 Dec.
Seed sower and hopper, Agricultural. A. Storrie	14423	8 Jan.
Seed-sowing apparatus. M. McCormick	14727	7 April.
Seed-sowing canister. E. Bowmar	15604	5 Nov.
Seed with fertiliser, Sowing. P. F. A. and J. Robertson	15550	16 Oct.
Seeding-machine, Furrow-opener. Bickford and Huffman Company	15683	26 Nov.
Selvedge-stripping flax-drum. W. Fairweather, J. Fairweather, and W. Fairweather, jun... .. .	15795	18 Dec.
Separating black sand from gold in littoral deposits. D. Reid, jun., and J. Nelson	15003	11 June.
Separating fatty substances from emulsions. J. Dahlqvist and C. L. Holm	15038	27 June.
Separating fine from coarse washdirt. J. Thomson	15801	19 Dec.
Separating gold from alluvial wash. F. Hendersen	15197	29 July.
Separating magnetic materials. J. H. A. McPhee	14849	3 May.
Separating mercury, &c., from ore-pulp. T. H. Hicks	15092	10 July.
Separating mercury from amalgam. T. H. Hicks	15094	10 July.
Separating ore-pulp. International Ore-separating Company	15099	10 July.
Separator. (See Gold-separator, Oil-separator.)		
Separator, Centrifugal. C. A. E. Andersen	14775	18 April.
Separator, Magnetic ore-. F. J. King	14810	1 May.
Separator, Oil and grease. F. Moore	15762	12 Dec.
Set. (See Saw-set.)		
Set-square. H. H. Murdoch	15660	19 Nov.
Settee, Adjusting. A. W. Memory and F. G. Hind	14512	11 Feb.
Settee and billiard-table. H. U. Alcock	15373	6 Sept.
Setter. (See Seed and plant setter.)		
Sewage distribution, Self-flushing time-valve for. E. S. Baldwin and H. H. Rayward	15418	18 Sept.
Sewage, Filter-trap for. P. Patten	14713	5 April.
Sewage on to filter-bed, Distributing. E. S. Baldwin and H. H. Rayward	15417	18 Sept.
Sewage-treating tank, &c. J. T. N. Anderson	15679	22 Nov.
Sewage treatment. R. R. Donaldson	14660	21 March.
Sewing-machine. J. C. Moore	14456	21 Jan.
Sewing-machine, Vertical. J. Robson	15655	19 Nov.
Sewing-machine, Welt. United Shoe Machinery Company	15206	2 Aug.
Sewing-palm. J. Pomeroy	15060	27 June.
Sewing-thimble. J. Pomeroy	15059	27 June.
Shackle and sling. W. Beamish	15507	11 Oct.
Shaft bearing, Engine-. W. E. Hughes	14501	6 Feb.
Shaft-brush, Removable. T. Stevenson	15419	17 Sept.
Shaft, Fastening machinery to. W. H. Gordon	14761	17 April.
Shaft, Support-bearing for. J. A. Moyes and J. Hopkirk	15147	23 July.
Shafting, Reversing. W. A. Gamman	15684	26 Nov.
Shank-attachment for door-knobs. J. E. A. Frost	14927	23 May.
Sharpener, Knife-. W. Borlase	15172	22 July.
Sheaf-binding harvester, &c. I. Trolley	15600	5 Nov.
Sheaf-carrier. J. V. Fahey	14637	15 March.
Shear-regulator. W. Borlase	15172	22 July.
Shearing hair or wool. Wolseley Sheep-shearing Machine Company (Limited)	15644	19 Nov.
Shearing-machine, Hand-power. D. Donald	14559	25 Feb.
Shearing-tool, Transmitting motion to cutter of. J. K. Stewart	15091	10 July.
Shears. H. Nichol	14938	26 May.
Shears. (See Sheep-shears.)		
Sheep-shears. R. F. Wells	14551	18 Feb.
Sheep-shears. J. Pomeroy	14590	1 March.
Sheep-shears. J. Pomeroy	14829	2 May.
Sheep-shears. C. J. Shipway and H. May	14932	29 May.
Sheep-shears. W. Nicol	15002	11 June.
Sheep-shears. T. McGee	15066	1 July.
Sheep-shears. H. Burgon	15122	17 July.
Sheep-shears. C. J. Shipway and H. May	15161	24 July.
Sheep-shears. R. Wells	15282	22 Aug.
Sheep-shears. O. Börs	15420	19 Sept.
Sheep-shears. J. A. Boreham	15553	23 Oct.
Sheep-shears. H. Burgon	15682	15 Feb.*
Sheet-metal, Bending. T. Danks	15382	9 Sept.
Shell, Carrying and mixing components of. H. R. Walker	15693	27 Nov.
Shield for end of stay-busk. A. F. Wall	14703	4 April.
Shipping and transferring coal. Sir W. G. Armstrong, Whitworth, and Company (Limited)	15139	17 July.
Ship's bottom, Composition for. T. S. Mullay and W. Sievwright	14881	13 May.
Ships, Distance and course recorder for. W. C. Forbes	15541	22 Oct.
Ships, Removing coal from. F. P. Evans and D. McDougall	14861	9 May.
Shirt-neck and collar fastening. J. J. Macky	14542	17 Feb.
Shirts, Collar stud-holder for. J. J. Macky	14482	24 Jan.
Shoulder-strap for school-bag, &c. G. Goosman	15196	28 July.
Shovel. J. Arthur, jun.	15810	23 Dec.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention, and Name of Inventor.	No.	Date.
Show-case, Axe. E. O. Risstrom	15385	11 Sept.
Shrinking cloth, &c. M. B. Silk	15166	24 July.
Shunting-appliances. W. Taylor	14499	6 Feb.
Shutter. (See Window-shutter.)		
Signalling. (See Railway-signalling.)		
Signalling at facing-points. J. S. Kirkpatrick	14995	9 June.
Signalling by electro-magnetic waves. E. Waters, jun.	15374	6 Sept.
Signalling by electro-magnetic waves. E. Waters, jun.	15375	6 Sept.
Signalling by electro-magnetic waves. E. Waters, jun.	15394	10 Sept.
Signalling state of tide. G. Allman	15611	6 Nov.
Signalling state of tide. G. Allman, F. Clennell, and H. L. Moffatt	15776	17 Dec.
Silt from tanks, Automatically ejecting. R. H. Coltman	15281	22 Aug.
Silver-sulphide, Extracting, from ore. E. S. Baldwin and H. H. Rayward	15687	27 Nov.
Single-ball ore-pulveriser. T. H. Hicks	15096	10 July.
Siphon. J. H. S. Brown	14678	27 March.
Siphon. J. H. S. Brown	14838	5 May.
Siphon. D. Seymour	15302	26 Aug.
Siphon. R. Williams	15698	26 Nov.
Siphon. W. Waters	15702	27 Nov.
Siphon flushing-tank. A. Burt, jun.	15562	25 Oct.
Siphon for water-closet. J. Constable	15670	22 Nov.
Siphon pump for drawing off liquids. W. H. Boyens	14396	3 Jan.
Siphon, Kerosene-. G. F. Hutchinson and G. W. Symmans	14951	4 June.
Skin, Preparation for. K. Cooper	15520	15 Oct.
Skirt. S. Hutchins	14892	21 May.
Skirt. (See also Ladies' skirt.)		
Skiving-machine. United Shoe Machinery Company	15203	2 Aug.
Skiving-machine. United Shoe Machinery Company	15204	2 Aug.
Skiving machine, Leather-. United Shoe Machinery Company	15207	2 Aug.
Skylight. T. Ballinger	14491	3 Feb.
Skylight. T. Ballinger	14604	11 March.
Slag, Utilising heat of. G. Mitchell and L. D. Copeland	15424	19 Sept.
Sleeve and means of securing to tumbler-shaft. J. Murison	14683	25 March.
Sleeve of lower tumbler-shaft, Attaching. J. Murison and C. L. Watt	14808	26 April.
Slicer. (See Bacon-slicer. Ham and bacon slicer.)		
Sliding-rod vehicle-wheel lock. T. Firth	15369	9 Sept.
Sling and shackle. W. Beamish	15507	11 Oct.
Sluice-box, Breaking clay in. C. T. Swanell and W. Lee	15182	24 July.
Smoke-cooling attachment, &c., to tobacco-pipe. W. A. Ede-Clendinnen	15384	11 Sept.
Smoke-consumer. W. H. Atkin	15219	2 Aug.
Smoke-consumer. R. D. Brett and T. P. Wood	15229	7 Aug.
Smoke or fumes, Pumping. D. Hanna	15643	19 Nov.
Smoke-stack, Spark-stopper for. H. Gunn	14859	6 May.
Snatch-block. E. Smyth and F. Currie	15252	12 Aug.
Snatch-block for steel ropes, &c. W. S. Hutcheson	14800	28 April.
Soap-manufacturing. E. Waters	14584	6 March.
Soap-moulding machine. K. Schnetzer	15727	3 Dec.
Soda-water bottle, Opening. S. White	15697	26 Nov.
Soldering. (See Can-soldering.)		
Soldering seams of can-bodies. G. W. Berry	14933	29 May.
Sole. (See Boot-sole.)		
Sole-laying machine, Pressing-form for. United Shoe Machinery Company	15228	7 Aug.
Sound reproducing and transmitting diaphragm. H. G. A. I. Wieder and S. S. Bromhead	14572	3 March.
Sound-trumpet of graphophone. W. C. Runge	15047	27 June.
Sower. (See Seed-sower.)		
Sowing seed with fertiliser. P. F. A. and J. Robertson	15550	16 Oct.
Spanner-attachment. P. Rayson	15159	24 July.
Spark-arrester. G. Claydon	14528	14 Feb.
Spark-arrester. C. E. Hodge	14633	18 March.
Spark-arrester. F. E. Rogers and E. Hosking	14958	5 June.
Spark-arrester. E. A. Cameron	15019	16 June.
Spark-arrester. R. Hollis, J. A. Cockburn, and C. E. Grindrod	15167	24 July.
Spark-arrester. J. Mallett	15315	27 Aug.
Spark-arrester. N. Watt	15362	5 Sept.
Spark-arrester. J. Whitehouse	15429	22 Sept.
Spark-arrester and draught-controlling apparatus. J. C. Bowring	15715	4 Dec.
Spark-arrester for locomotive. H. S. Wainwright	15617	7 Nov.
Spark-arrester for locomotive. J. Baird	15638	15 Nov.
Spark-catcher. H. A. Cooper	14530	15 Feb.
Spark-catcher. C. W. Constable	15485	1 Oct.
Spark-extinguisher. C. W. Haines.. .. .	14857	8 May.
Spark-preventer. C. Rillstone	15112	8 July.
Spark-stopper. H. Gunn	14859	6 May.
Spindle attachment for door-knob. J. E. A. Frost	14927	23 May.
Spindle, Securing door-knob to. T. B. Jacobsen	14851	6 May.
Sponge, Restoring overworked. R. Todd	15470	3 Oct.
Spotting-disc for canvas target, Fixing. C. H. Shattky	14901	17 May.
Spouting. J. P. Evans	14942	24 May.
Sprayer. F. and T. Mercer and G. D. J. Duck	14707	5 April.
Spreader for draught-chains. W. H. Reynolds	14722	8 April.
Spreader for draught-chains. W. S. Ayson	15190	29 July.
Spreading liquid over given areas. E. S. Baldwin and H. H. Rayward	15417	18 Sept.
Spring-grip dumb-bell. E. N. Keamy	15271	19 Aug.
Spring-grip dumb-bell, Converting an ordinary into. J. Payne	15639	14 Nov.
Spring-hook. W. Borlase and A. Taylor	14998	9 June.
Spring-hook. L. D. Robertson	15328	26 Aug.
Spring-hook, Buckle attachment to. A. Douglas	14454	21 Jan.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention, and Name of Inventor.	No.	Date.
Springs. (See Carriage-springs, Vehicle-springs.)		
Spur. L. D. Robertson	14975	5 June.
Square. (See Set-square.)		
Stacker. (See Tailings-stacker.)		
Stage for bushfelling. C. Cross	15450	26 Sept.
Stamp-mill. C. E. Billin	14728	10 April.
Stamping and marking press. A. Lion and M. E. Moseley	14438	16 Jan.
Stamping-machine, Hand-power. D. Donald	14559	25 Feb.
Stand for exhibition purposes. T. Mutton and H. E. Hupton	15613	4 Nov.
Stand for ironing-board. W. Swinnerton	15558	24 Oct.
Stand for ping-pong apparatus. K. S. Ramsay	14795	22 April.
Standard for use in table-tennis. J. Burns	14915	23 May.
Standard, Ping-pong. Australian Manufacturing and Importing Company	14725	8 April.
Staple. (See Fencing-staple.)		
Staple-drawer and claw-hammer. A. Gray	15265	15 Aug.
Staple-drawer, &c. E. Gifford and R. R. Holmes	15253	15 Aug.
Staples for wire fences. T. A. Trumble	15036	23 June.
Staples, Making. P. H. McConachy	15641	18 Nov.
Starter. (See Race-starter.)		
Starting gate. A. Lyell	14744	15 April.
Starting-gate. A. Lyell	14962	6 June.
Starting-machine. (See Horse-race starting-machine.)		
Starting-machine, Horse-race. H. C. Stortenbeker and S. J. Cowan	15716	4 Dec.
Stationery envelope. Elliot's Patent Lock Envelope Company (Limited)	14931	29 May.
Stay-busk, Shield for ends of. A. F. Wall	14703	4 April.
Stays, Lacing. K. Raymond	14976	4 June.
Steam-boiler. L. C. Auldjo	15102	10 July.
Steam-boiler. R. P. Gibbons	15497	7 Oct.
Steam-boiler fittings. E. Richardson	14581	6 March.
Steam-boiler furnace. E. Maslin	15079	3 July.
Steam-boiler, High-pressure gauge-glass for. R. P. Gibbons	14770	14 April.
Steam-boiler, Vertical. R. P. Gibbons	15614	5 Nov.
Steam-condenser. C. E. Nicholas	14583	6 March.
Steam-engine, Compound. R. P. Gibbons	15537	18 Oct.
Steam-engine, Reversing motion of. A. I. Senior	15285	22 Aug.
Steam-engine, Rotary. E. L. Wickins	15625	13 Nov.
Steam-generating, Utilising heat of slag for. G. Mitchell and L. D. Copeland	15424	19 Sept.
Steam, Generation and utilisation of. P. C. Louat	14821	2 May.
Steam-generator. E. C. Newcomb and P. Van Volkenburgh	14436	7 June, '01*
Steam-heating appliances, Delivering steam into. A. J. Park	14452	21 Jan.
Steam, Heating water by. H. Baux	15524	14 Oct.
Steam to furnace, Supplying. G. Claydon	15061	30 June.
Steam-turbine blade, Marine. Hon. C. A. Parsons	15351	4 Sept.
Steam-turbine blades. Hon. C. A. Parsons	14905	23 May.
Steamer, Cleaning corrosive matter from. R. B. Wight	15526	14 Oct.
Steel tubes, Manufacture of. B. F. McTear	14403	6 Jan.
Steering engine, Controlling-gear for. J. McLean	15802	22 Dec.
Step-by-step motions, Communicating. W. Kingsland	14993	12 June.
Step-ladder and chair. J. M. Armour	15067	28 June.
Step-ladder, desk, &c. J. M. Armour	15287	20 Aug.
Stewing and preserving pan. W. A. Knight	14591	4 March.
Stiffener for boot. H. Whittaker	15534	18 Oct.
Stitch-separating machine. United Shoe Machinery Company	15208	2 Aug.
Stock mark. K. C. and N. E. Jackson	14666	22 March.
Stoker, Chain grate-, Mechanical. J. Chambers and Son (Limited)	14671	25 March.
Stoker, Chain grate-, Mechanical. J. Chambers and Son (Limited)	14672	25 March.
Stoker, Mechanical. J. W. Kincaid	15783	18 Dec.
Stone. (See Artificial stone, Limestone.)		
Stone cutting and shaping machine. P. Lanigan	14925	22 May.
Stop-cock, Automatic. R. S. Haughton	15730	8 Dec.
Stopper. (See Bottle-stopper, Horse stopper, Spark-stopper, Vehicle-wheel stop.)		
Stopper, Bottle and. H. R. Bell	14743	15 April.
Stopping and restarting windmill. J. M. Phillippis	15551	25 Oct.
Stove. E. R. Cahoon	14956	5 June.
Stove, Removable flue for. H. W. Campbell	15216	1 Aug.
Strainer. F. H. Porter	14979	9 June.
Strainer. (See Milk-strainer, Rain-water strainer, Wire-strainer.)		
Straining milk. (See Milk.)		
Straining-pan. (See Milk-straining pan.)		
Strappings for horse-cover. J. Neagle	14854	7 May.
Straw-matting and looms for same. W. Wattie	15040	27 June.
Straw-trusser, &c. I. Trolley	15600	5 Nov.
Streets, Cleaning and watering. H. Ashworth	15772	17 Dec.
Street-sweeper. T. Russell	14921	26 May.
Street-sweeper. G. W. Bell	15397	13 Sept.
Street-sweeping machine. W. Waters	15143	17 July.
Stretchers. (See Trouser-stretcher.)		
Striker. (See Match-striker.)		
Stripper. (See Flax-stripper, Saw-stripper.)		
Strop. (See Razor-strop.)		
Structural arrangement applicable to roofing, &c. E. L. Pease	15740	10 Dec.
Stud. (See Collar-stud.)		
Stump-extractor. G. C. Challis	14415	8 Jan.
Stump-grubbing machine. S. H. Manners	15759	15 Dec.
Stump-jumping harrow. E. J. and W. R. Hume	14816	1 May.
Subsoil, Plough for breaking. H. Coe	15642	17 Nov.
Suction cell, Dental. E. A. Slack	14521	5 Feb.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—continued.

Invention and Name of Inventor.	No.	Date.
Suction dredging, Valve for. J. Shepherd	15503	10 Oct.
Suction pipe, Inlet of. J. Smaill	15334	30 Aug.
Sugar, Sugar-liquor, Treating. Federal Refining Company	14739	11 April.
Sulphides, Extracting. E. S. Baldwin and H. H. Rayward	15681	26 Nov.
Sulphides, Extracting. E. S. Baldwin and H. H. Rayward	15687	27 Nov.
Support-bearing for shaft. J. A. Moyes and J. Hopkirk	15147	23 July.
Support, Bicycle. G. and T. Gubbins	14893	16 May.
Supporting window-curtain. V. H. L. Wood	15636	17 Nov.
Surcingle and girth. J. Moroney	14629	15 March.
Survey pegs, Marking. W. D. R. McCurdie	15794	17 Dec.
Suspender. R. Curtis	15083	1 July.
Suspender. (See Binocular-suspender, Garment-suspender, Trouser suspender.)		
Sweeper. (See Road-sweeper, Street-sweeper.)		
Sweeping. (See Street-sweeping.)		
Sweeping-brush, Dustless. J. P. Wiens	15515	16 Oct.
Sweepings-carrying machine. W. Waters	15143	17 July.
Sweetening liquids. Porcherine (Limited)	14402	6 Jan.
Sweetmeat for consumption, &c., Medicated. M. Bjornstad and J. Stacey	15808	20 Dec.
Sweetmeats, Manufacture of. W. Leitch	15158	24 July.
Switches, Controlling electric. W. Kingsland	14993	12 June.
Syphon. (See Siphon)		
Table. (See Amalgamating-table, Billiard-table, Concentrating-table, Dining-table, Gold-saving table, Grading-table, Invalid's table.)		
Table-cricket. H. Banks	15477	6 Oct.
Table croquet. M. L. Humm	14974	9 June.
Table, desk, &c. J. M. Armour	15287	20 Aug.
Table, Extensible. C. E. Page	15006	16 June.
Table, Extension-. L. Kortlang, sen., and A. Kortlang	15775	17 Dec.
Table for invalid. F. A. Miller	14600	10 March.
Table-game. J. H. Powell	15224	4 Aug.
Table-game, New. W. Dawson	15458	1 Oct.
Table-game of bowls. T. Ussher	14911	21 May.
Table-game of cricket. C. E. Nicholas	14819	2 May.
Table-tennis. E. G. Rawnsley	14610	11 March.
Table-tennis, Apparatus for. F. L. Ryan	14937	28 May.
Table-tennis, Apparatus for. F. L. Ryan	14949	30 May.
Table-tennis, Bat for. T. W. Witt	14852	6 May.
Table-tennis net. W. N. Smith	15608	6 Nov.
Table-tennis, &c., Score-indicator for. A. K. Smith	15393	10 Sept.
Table tennis, Scoring-apparatus for. G. F. Dale	14945	21 May.
Table-tennis, Standard for. J. Burns	14915	23 May.
Table-tennis, Upright and extension for. P. R. Williamson and D. Sinclair	14783	21 April.
Tacking-tool, Hand. H. B. Newton	14523	13 Feb.
Tailboard and seat for vehicle, Adjustable. W. Jenkinson	15509	9 Oct.
Tailboard of cart, Fastening. H. Anstice	15754	12 Dec.
Tailings, Delivering, from dredges. J. Macpherson and L. Philips	14460	22 Jan.
Tailings, Elevating. J. Scott and H. F. Nees	15005	13 June.
Tailings-elevator. F. W. Payne	15343	30 Aug.
Tailings for gold, &c., Treating. M. Gargurevich	15468	3 Oct.
Tailings-stacker. F. W. Payne	14636	15 March.
Tank. J. Smethurst	14754	17 April.
Tank, Concrete. J. R. Sigley	15301	22 Aug.
Tank, Ejecting silt from. R. H. Coltman	15281	22 Aug.
Tank, elevator, and cleanser, Sewage-treating. J. T. N. Anderson	15679	22 Nov.
Tank, Preventing refuse passing into. H. Hammond	15129	18 July.
Tank, Siphon flushing. A. Burt, jun.	15562	25 Oct.
Tank, Water-. J. J. Austin	15171	25 July.
Tap. H. Allan	14579	3 March.
Tap. J. Ford	14560	24 Feb.
Tap. A. C. Murray	14622	10 March.
Tap. C. M. Cruickshank	14946	29 May.
Tap. R. Cosslett	15202	30 July.
Tap. (See Kerosene-tap.)		
Tap for filter-press, High-pressure. R. F. Bradshaw and W. E. Harding	15769	17 Dec.
Tap, Telescopic. W. J. Dalton	15592	30 Oct.
Target. M. J. Lister	14413	9 Jan.
Target. T. Goucher	14565	28 Feb.
Target. C. H. Shattky	14902	17 May.
Target. M. J. Lister	14908	23 May.
Target. N. E. and K. C. Jackson	14914	24 May.
Target. F. M. Gaudet	15068	2 July.
Target, Holding and plumbing. W. Hatton	15725	8 Dec.
Target, Operating moving. J. W. Porter	15230	7 Aug.
Target-score indicator. J. McKay	15354	4 Sept.
Targets, Securing spotting-discs to. C. H. Shattky	14901	17 May.
Tea. (See Packing tea, &c.)		
Tea, Soluble extract of. J. Roger and M. K. Bamber	15664	18 Nov.
Team, Yoking horse-. W. H. Cochrane	15189	29 July.
Telegraph wire, Uncoiling of. Q. A. McIlwraith	15065	27 June.
Telegraphy. (See Electric telegraphy, Wireless telegraphy.)		
Telephone exchange, Alarm-call connection to. P. Rabbidge	14498	6 Feb.
Telephone exchange, Automatic. American Machine-telephone Company (Limited)	14550	21 Feb.
Telephone exchange, Automatic. Strowger Automatic Telephone Exchange	15422	19 Sept.
Telephone exchange, Operating. L. E. De Mole	15353	4 Sept.
Telescope ladder, Lock for. C. Tandy	14841	5 May.
Telescopic tap. W. J. Dalton	15592	30 Oct.
Temperature of condensing water, Reducing. C. H. Wheeler	14574	3 March.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention and Name of Inventor.	No.	Date.
Tennis. (See Table-tennis.)		
Tension bridge. F. Lambert	15238	8 Aug.
Tent. E. T. and Y. S. Towgood and J. Allison	14603	10 March.
Tents and valise accessories. W. Y. Hunter	15707	2 Dec.
Testing foul gas of mines. J. Hylard	15321	28 Aug.
Textile letter-tracing. G. Pulman	14909	21 May.
Textile material in roll, Indicating length of. T. S. Philpott and T. Herd	15471	3 Oct.
Thermometer, Electric-alarm. A. Johnston	15332	28 Aug.
Thimble, Sewing-. J. Pomeroy	15059	27 June.
Three-wire system of overhead construction. A. W. Parker	15446	20 Sept.
Tide, Signalling state of. G. Allman	15611	6 Nov.
Tide, Signalling state of. G. Allman, F. Clennell, and H. L. Moffatt	15776	17 Dec.
Tightener. (See Wire-tightener.)		
Tightener, Belt and rope. A. S. Pike	15747	11 Dec.
Tightening rim of wooden wheel. J. Winters	15584	31 Oct.
Tightening wire fencing. C. E. Hayward, jun.	15590	3 Nov.
Timber-jack, Shoe for. J. B. Jackson	14399	6 Jan.
Time-recorder. (See Clock.)		
Time cultivator, Spring. F. Cooper	14677	22 March.
Tinning machine, Butter-. R. Boxall and A. A. Robinson	15543	23 Oct.
Tins, Sealing. Valves (Limited)	14682	26 March.
Tip-draw. G. Burren	15455	30 Sept.
Tire. G. W. Pitt and E. Martin	14619	13 March.
Tire. (See Bicycle-tire, Pneumatic tire, Wheel-tire.)		
Tire-cover. G. F. Brown	15615	7 Nov.
Tire, Cover for pneumatic. C. D. Lightband	15495	7 Oct.
Tire of bicycle, Removing. S. Nicholson	15659	20 Nov.
Tires, Cleaning mud from. B. I. Hayward and R. A. Gibson	14877	15 May.
Tires, Shaping covers of. F. S. Ornstien	15704	29 Nov.
Tires, Sustaining air-pressure in. P. J. Darling, F. L. Summerton, and F. J. Amos	15567	28 Oct.
Tires, Vehicle-wheel. C. Tandy	14842	5 May.
Toaster. (See Bread-toaster.)		
Tobacco-box, Transporting. W. E. Shaw	15209	2 Aug.
Tobacco-cutter. H. Jones	14617	13 March.
Tobacco-pipe. E. T. and Y. S. Towgood and J. Allison	14774	19 April.
Tobacco-pipe. C. Peterson	15016	19 June.
Tobacco-pipe cleaner. A. Williamson	15587	29 Oct.
Tobacco-pipe, Ferrule for. T. J. Gilfedder and J. McKinna	14840	5 May.
Tobacco-pipe, Nicotine-trap, &c., for. W. A. Ede-Clendinnen	15384	11 Sept.
Tongs. W. Borlase	15488	3 Oct.
Tool. (See Cramping-tool, Lawn-weeding Tool, Tacking-tool.)		
Tool-bag, Saddle. A. Gray	15266	15 Aug.
Tool, Combination. C. Henry and W. Giesler	14786	21 April.
Tool, Edged. R. McKenzie	15722	2 Dec.
Tool for forming necks of bottles. Universal Seal and Stopper Company	14886	20 May.
Totalisator. H. Droutledge	15814	22 Dec.
Totalisator, Registering and recording machine for use with. H. Droutledge	14772	17 April.
Towel-rack. A. Le B. F. Struthers	14659	21 March.
Toy. F. Hornby	14407	8 Jan.
Toy. R. W. Duke	15599	5 Nov.
Track-construction for electric railway. J. T. Hunter	14879	15 May.
Traction. (See Electric traction.)		
Traction-engine brake. J. Warring, jun.	14646	20 March.
Traction machinery. N. Hiss	15782	18 Dec.
Traction on wooden tramways. W. L. Luxford	15056	30 June.
Trade coupon. Mutual Benefit Bonus Company (Limited)	14580	6 March.
Trailed carriage, Connecting bicycle with. A. R. Wilkins and J. W. Odering	15177	26 July.
Train, Distance-indicator for. J. McKinnon	15816	29 Dec.
Trains and trams, Communication on. E. A. Angus	14406	8 Jan.
Tramcar brake, Electric-. J. T. Hunter	15579	30 Oct.
Tram-lines, Cleaning grooves of. F. A. Jones, O. Bowman, G. McMullen, and A. Rankin	14863	9 May.
Tram-rail clearer. K. C. Jackson	14459	22 Jan.
Tramway-rails, Fixing. W. J. Foot	14426	14 Jan.
Transmission of power, &c., by electro-magnetic waves. E. Waters, jun.	15375	6 Sept.
Transmitting motion to cutter of shearing-machine. J. K. Stewart	15091	10 July.
Transporting milk, Means for. F. H. Aussel	14981	10 June.
Trap. (See Animal-trap Bird-trap, Drain-trap, Drainage-trap, Filter-trap, Fly-trap, Nicotine-trap, Rabbit-trap, Rat-trap.)		
Trap for liberating pigeons. J. Rose	15004	13 June.
Tread, Divided, for boot, &c. E. Dimant	15101	13 July.
Trenching-plough. E. T. R. and J. G. Coates and W. K. Elder	15251	12 Aug.
Triangles, Ascertaining co-ordinates of right-angled. T. McFarlane	14500	6 Feb.
Trimming soles of boots. United Shoe Machinery Company	15650	19 Nov.
Tripping-block for use in hauling logs. G. Davidson	14558	24 Feb.
Trough. (See Animal-feeding trough, Watering-trough.)		
Trouser-clip. P. Scoringe	15359	4 Sept.
Trouser-clip, Cyclists'. W. Beamish	15668	19 Nov.
Trouser-suspender. H. G. MacWilliam	15823	30 Dec.
Trousers, Stretching. C. Bristow	14805	29 April.
Truck. A. J. Park	14987	7 June.
Truck and hoist, Portable. M. W. Fleming	15408	13 Sept.
Truck-bolster for street-car. A. J. Park	14988	7 June.
Truck-coupling. (See Railway-truck coupling.)		
Truck for street-cars. A. J. Park	14986	7 June.
Trueing up surface of flax-stripper drum. J. Anderson	15185	29 July.
Trumpet. (See Ear-trumpet, Sound-trumpet.)		
Truss. E. O'Connor	14839	5 May.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention and Name of Inventor.	No.	Date.
Truss for rupture. R. W. Gibbs and T. H. Manson	15381	8 Sept.
Tub. (See Wash-tub.)		
Tube of tire, Inner pneumatic. C. E. A. Esse	15121	17 July.
Tubes and pipes, Bending sheet metal for. T. Danks	15382	9 Sept.
Tubes, Manufacture of metal. B. F. McTear	14403	6 Jan.
Tumbler, Securing sleeve to. J. Murison and C. L. Watt	14808	26 April.
Tumbler-shaft, Securing bush on. F. A. Cutten	15180	25 July.
Tumbler-shaft, Sleeve for. J. Murison	14683	25 March.
Tunnel, Wall or lining for. G. H. Dunlop	15819	30 Dec.
Turbine. E. Moss	14552	20 Feb.
Turbine. (See Steam-turbine.)		
Turning boots, &c., Machine for. United Shoe Machinery Company	15103	10 July.
Turnip-sowing attachment to machine. J. F. McNeill	14567	27 Feb.
Typewriter, Copying-ink for. W. Stewart	15530	15 Oct.
Typewriter, Paper-feeding attachment to. D. W. McArthur	15430	23 Sept.
Umbrella. J. Clegg	14802	28 April.
Umbrella. K. Davy	15300	16 Aug.
Umbrella. K. Davy	15545	22 Oct.
Umbrella-fastener. R. N. Adams	15789	16 Dec.
Umbrella-rib, Clip for broken. T. Rice	15513	14 Oct.
Urinals, Automatic flushing latrines and. J. L. Williams	14687	1 April.
Valise. (See Kit valise.)		
Valise accessories, Tents and. W. Y. Hunter	15707	2 Dec.
Valve. H. L. Wallace	15423	19 Sept.
Valve-arrangement for suction dredging. J. Shepherd	15503	10 Oct.
Valve for ammonia-gas compressor. W. H. Humble	15286	20 Aug.
Valve-gear, Engine. W. Mayne	15583	31 Oct.
Valve, Relief. P. E. Sagnol and T. Tonks	15719	4 Dec.
Valve, Safety. M. Corrington	15820	30 Dec.
Valve, Self-flushing time-, for sewage-distribution. E. S. Baldwin and H. H. Rayward	15418	18 Sept.
Valves, Water-closet. J. Cook	14880	15 May.
Vaporising water. F. J. Maindonald	14848	6 May.
Vapour-burner. E. Waters, jun.	15718	4 Dec.
Variable gearing for velocipedes. J. Archer	14916	21 May.
Variable speed-gearing for velocipedes. J. H. Braithwaite	15770	17 Dec.
Varnish, Printers' ink and. A. G. Wass	15169	22 July.
Vat. J. Smethurst	14754	17 April.
Vat. (See Rolling-vat.)		
Vehicle, Adjustable seat and tailboard for. W. Jenkinson	15509	9 Oct.
Vehicle, Attachment to, for use as a sail and advertiser. H. Thatcher	15317	28 Aug.
Vehicle-brake. H. P. Brassel	14602	10 March.
Vehicle-brake. J. McIntosh and P. Scoringe	14894	20 May.
Vehicle, Flap-attachment to. R. Caldwell	14941	28 May.
Vehicle, Lock for wheel of. F. Matthews	14953	4 June.
Vehicle, Oiling axles of. T. S. Philpott	14609	12 March.
Vehicle, Outrigger draw-gear for. R. D. Kelly	15254	15 Aug.
Vehicle, Preventing horse running away with. F. Matthews	14913	24 May.
Vehicle, Spreader for draught-chains of. W. H. Reynolds	14722	8 April.
Vehicle, Spreader for draught-chains of. W. S. Ayson	15190	29 July.
Vehicle-spring. F. S. Potter	15144	17 July.
Vehicle, Tire for wheel of. C. Tandy	14842	5 May.
Vehicle, Under-frame of. F. H. Aussel	14780	22 April.
Vehicle-wheel. H. E. McDonald	15389	12 Sept.
Vehicle wheel and tire. G. W. Pitt and E. Martin	14619	13 March.
Vehicle-wheel brake. F. Matthews	15792	19 Dec.
Vehicle-wheel lock. J. R. and W. H. Jewell	14645	20 March.
Vehicle-wheel lock. T. Firth	15758	15 Dec.
Vehicle-wheel stop. F. Hatton	15720	4 Dec.
Veil, Securing. E. Milsom and J. Stewart	15062	30 June.
Velocipede, Free wheel, &c., for. J. H. Braithwaite	15770	17 Dec.
Velocipede-gearing. J. Archer	14916	21 May.
Venetian-blind. E. Milsom and J. Stewart	14944	31 May.
Venetian-blind. R. Barrett	15523	16 Oct.
Ventilating boots, &c. L. Staples and W. Taylor	15399	12 Sept.
Ventilating halls, &c. J. D. Kelly, D. P. Fisher, and N. V. G. Wix	14952	4 June.
Ventilating, Window for. F. Roberts	15546	21 Oct.
Ventilator. W. Craig	14875	10 May.
Ventilator. H. I. M. Ross	14884	14 May.
Ventilator. The Shedd Electric and Manufacturing Company	15443	25 Sept.
Ventilator. R. Tudhope and B. Crawford	15481	3 Oct.
Ventilator. W. F. Slack	15552	25 Oct.
Vermis, Destruction of. C. Robinson	15046	27 June.
Vessel for metallurgical work, Lining of. G. Westinghouse	15479	7 Oct.
Vessel for treating gold-ores in. F. C. Brown and S. D. McMiken	14883	12 May.
Vessel, Loading, &c. G. H. Airey	15609	6 Nov.
Vessels, Unloading. Economic Hoisting and Ballast Company	15749	11 Dec.
Vote-recorder. F. W. Paterson	15174	23 July.
Voting-apparatus, Registering and recording machine for use with. H. Droutledge	14772	17 April.
Voting-machine. F. A. Bardwell	14791	24 April.
Voting-machine. H. B. Cary	14576	4 March.
Wad. (See Ammunition-wad.)		
Wad for ammunition-loading. Colonial Ammunition Company (Limited)	15435	24 Sept.
Wagon for carrying bucket. H. W. Lovegrove	14928	24 May.
Walking-stick, Ferrule for. T. J. Giffedder and J. McKenna	14840	5 May.
Wall. (See Partition-wall.)		
Wall or lining for tunnel, &c. G. H. Dunlop	15819	30 Dec.
Walling. E. L. Pease	15740	10 Dec.

ALPHABETICAL LIST OF TITLES OF INVENTIONS.

Invention and Name of Inventor.	No.	Date.
Walls, J. G. F. Lund	15779	18 Dec.
Walls, &c., Deadening or insulating. F. de J. Clere	15273	20 Aug.
Walls, Dusting and cleaning. H. H. Henderson	14955	5 June
Wardrobe. E. K. C. Chalmers	14453	21 Jan.
Washdirt, Plate for separating. J. Thomson	15801	18 Dec.
Washdirt, Treating auriferous. J. Thomson	15799	17 Dec.
Washdirt, Treating auriferous. J. Thomson	15800	18 Dec.
Washing. (See Can-washing, Fibre-washing, Flax-washing, Wool-washing.)		
Washing-board. W. S. Ayson	14970	7 June.
Washing copper. C. Slemitz	15064	30 June.
Washing copper. J. Bates and W. G. Trudgeon	15692	27 Nov.
Washing floors. J. E. Gee	14656	21 March.
Washing-fluid. M. Kennedy	14954	4 June.
Washing-machine. W. C. Wall	14755	17 April.
Washing-tongs and pot-stick. W. J. McLean	14860	9 May.
Washstand, Reservoir attachment to. S. Soffe	14965	6 June.
Washtub. J. J. Mason	15181	28 July
Waste animal product, Manure from. W. H. Metcalfe	15313	27 Aug.
Waste-converter. A. E. Niccolls	15033	24 June.
Waste heat from lamp, Utilising. E. J. Kee	15517	13 Oct.
Waste products of oil-engine, Discharging. R. Arthur	14669	22 March.
Watch-pocket. E. T. Matthews	14475	23 Jan.
Water-closet, &c. H. August	15294	21 Aug.
Water-closet cistern. W. H. Keon and W. O. Millar	15262	15 Aug.
Water-closet cistern, Valve for. J. Cook	14880	15 May.
Water closet flush-conductor. W. M. Bartle	14468	22 Jan.
Water-closet, Flush for. W. M. Bartle	14625	14 March.
Water-closet seat. T. D'A. C. Maxted	15409	15 Sept.
Water-closet, Siphon for. J. Constable	15670	22 Nov.
Water-column boiler, Multitubular. A. C., H. W., F. F., and L. B. Coulsell	15677	25 Nov.
Water-filter. J. T. N. Anderson	15756	11 Dec.
Water-gas, Carburetted. H. W. G. Henderson	14654	20 March.
Water-gauge for steam-boiler. A. B. Masters	15585	31 Oct.
Water-heater. A. A. Campbell	15391	10 Sept.
Water-heater. R. L. H. Murray	15536	16 Oct.
Water-heater. C. H. Verity	15777	30 Dec.
Water-heater. (See Feed-water heater.)		
Water, Heating, by steam. H. Baux	15524	14 Oct.
Water-motor. W. W. Gundrie	15504	10 Oct.
Water-pipe, Artesian. J. Free	15701	28 Nov.
Water-power utiliser. C. P. De Lajard	15654	19 Nov.
Water-sprinkling cart. H. Anscombe and G. Russell	15473	30 Sept.
Water-tube boiler. J. Cowan	15148	23 July.
Water-tube boiler. J. Cowan	15569	30 Oct.
Water-wheel. W. Aitken	15080	1 July.
Watercourse protection. J. F. Rose	14484	21 Jan.
Watering-trough, Animal. N. W. Griswold	15089	5 July.
Waterproofing-composition. C. W. Langstone and T. J. Broome	14440	17 Jan.
Waterproofing-composition. A. F. Roy	15263	15 Aug.
Waterproofing-composition. G. F. Newman	15634	17 Nov.
Weatherboard. W. J. Prouse	14922	26 May.
Weatherproof newspaper-delivery box. J. Sigley	15236	2 Aug.
Weeding-tool, Farm. W. Harrison	15714	3 Dec.
Well-driving. G. L. Pearson	14904	23 May.
Welt-sewing machine. United Shoe Machinery Company	15206	2 Aug.
Wharf-pile composition. T. S. Mulla and W. Sievwright	14881	13 May.
Wheel. (See Free wheel, Vehicle-wheel, Water-wheel.)		
Wheel and tire. G. W. Pitt and E. Martin	14619	13 March.
Wheel driving and braking mechanism. Barwest Coaster-brake Company	14437	16 Jan.
Wheel-hub. J. R. Hayne	14850	3 May.
Wheel-lock. A. Cooper	14920	26 May.
Wheel-lock. F. Matthews	14953	4 June.
Wheel-lock. T. Firth	15223	6 Aug.
Wheel-lock. T. Firth	15369	9 Sept.
Wheel lock, Vehicle-. J. R. and W. H. Jewell	14645	20 March.
Wheel lock, Vehicle-. A. Cooper	15232	7 Aug.
Wheel of boot-finishing machine. G. H. Catt	15350	4 Sept.
Wheel of vehicles, Locking. J. R. and W. H. Jewell	14645	20 March.
Wheel-rim, Tightening. J. Winters	15584	31 Oct.
Wheel stop, Vehicle-. F. Hutton	15720	4 Dec.
Wheel-tire compressing-apparatus. J. M. Chambers	15078	3 July.
Wheel-tire cover. F. S. Ornstien	15703	29 Nov.
Wheel-tire cover, Shaping. F. S. Ornstien	15704	29 Nov.
White-lead, Manufacture of. Clancy White-lead Company Proprietary (Limited)	15542	23 Oct.
Wick, Lamp-. R. L. Suckling	15307	25 Aug.
Wick, Lamp-. D. Gascoyne	15743	10 Dec.
Windings for electrical machine. W. T. L. Travers	14404	7 Jan.
Windmill. J. Bedford and T. F. Longland	14541	20 Feb.
Windmill, Mechanism for. R. Nicholas	14929	27 May.
Windmill, Starting and stopping. J. M. Phillips	15551	25 Oct.
Windmill, Stopping and restarting. J. M. Phillips	14516	12 Feb.
Window. R. S. Reid	14867	10 May.
Window-blind. T. McMillan	15427	20 Sept.
Window-cord, Renewing. A. Smith and R. Ewing	15499	10 Oct.
Window-curtain, Supporting. V. H. L. Wood	15636	17 Nov.
Window-fastener. F. W. Preddy	15026	20 June.
Window-fastening. W. T. Michelli	15010	17 June.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention and Name of Inventor.	No.	Date.
Window for ventilating. T. Roberts	15546	21 Oct.
Window-lock. J. H. S. Brown	15696	25 Nov.
Window-sash, &c. J. Moss	15821	30 Dec.
Window-sash adjuster. J. H. Pledger	15081	30 June.
Window-sash balance. S. O. Keoghan	14675	25 March.
Window-sash fastener. R. F. Smith	15027	19 June.
Window-sash fastener. G. Simpson	15337	30 Aug.
Window-sash fastener. J. G. Reilly	15441	25 Sept.*
Window-sashes, Operating. A. J. Park	14455	21 Jan.
Window-sashes, Operating. M. A. Johnson	14535	17 Feb.
Window-sashes, Securing cords to. J. Armstrong	15449	26 Sept.
Window, Securing. J. D. Tripe	15244	11 Aug.
Window-swinging, Pivoting-arrangement for. W. Turnbull	14978	9 June.
Wire, Attaching, to bedsteads. E. J. Restorek	15168	24 Feb.*
Wire bars, Manufacture of compound. R. D. Sanders	14813	1 May.
Wire clip. A. S. Band	15013	19 June.
Wire coiler and uncoiler. Q. A. McIlwraith	15065	27 June.
Wire coiler, Plain and barb. E. J. Church	15463	1 Oct.
Wire-cutter, &c. E. Gifford and R. R. Holmes	15253	15 Aug.
Wire fence. E. J. and W. R. Hume	14817	1 May.
Wire-fence dropper. T. D. Cummins and W. T. Nuttall	15755	13 Dec.
Wire-fence staple. T. A. Trumble	15036	23 June.
Wire-fence strainer. J. F. Kilburn	15123	17 July.
Wire-fencing, Rod for. A. T. De Bary	14730	10 April.
Wire-fencing, Securing dropper to. J. Harris	15557	27 Oct.
Wire-joining. D. Harris	15620	12 Nov.
Wire mattress. F. Klaerr and A. Law	14419	6 Jan.
Wire mattress. J. J. Austin	14679	1 April.
Wire mattress. W. A. Garrett	15357	3 Sept.
Wire mattress. H. J. Brundell	15452	26 Sept.
Wire mattress and bedstead. H. A. and S. Robinson	15333	30 Aug.
Wire-rod fastener. J. Irvine	14745	14 April.
Wire, Running out barb. N. C. Innes	15191	29 July.
Wire, Securing dropper to. J. Harris	15557	27 Oct.
Wire-strainer. S. W. Bradbury	14431	14 Jan.
Wire-strainer. W. Borlase	14443	15 Jan.
Wire-strainer. W. F. Kennedy	14446	15 Jan.
Wire-strainer. J. Webb	14438	27 Jan.
Wire-strainer. A. Sutherland	14569	28 Feb.
Wire-strainer. F. H. Porter	14979	9 June.
Wire-strainer. J. McNarry	14996	10 June.
Wire-strainer. A. Williams	15051	27 June.
Wire-strainer. H. F. Stewart	15198	29 July.
Wire-strainer. J. Sadlier	15264	15 Aug.
Wire-strainer. C. A. Bergersen	15406	16 Sept.
Wire-strainer, &c. E. Gifford and R. R. Holmes	15253	15 Aug.
Wire strainer, holder, and cutter. N. E. Jackson	14582	6 March.
Wire-tightener. W. Borlase	14876	10 May.
Wire-tightening appliance. C. E. Hayward, jun.	15590	3 Nov.
Wire-track cash, &c., carrier. Lamson Store-service Company (Limited)	15574	30 Oct.
Wire-twister, file, and rule. A. Gray	15267	15 Aug.
Wireless telegraphy, Receiver for. Sir O. J. Lodge, A. Muirhead, and E. E. Robinson	15383	11 Sept.
Wireless telegraphy, Receiver for. G. Marconi and Marconi's Wireless Telegraph Company (Limited)	15689	3 May.
Wire, Uncoiling of. Q. A. McIlwraith	15065	27 June.
Writing-desk, &c. J. M. Armour	15237	20 Aug.
Wood-block fabric. Fabrik für Mechanische Hirnholzmosaik Gesellschaft mit Beschränkter Haftung	14577	3 March.
Wood-preserving. J. L. Ferrell	14519	13 Feb.
Wood-preserving. J. L. Ferrell	14726	7 April.
Wood-preserving. J. L. Ferrell	14792	24 April.
Wooden tramways, Traction on. W. L. Luxford	15056	30 June.
Woodwork, Decorating. H. Smith	14648	20 May, '01*
Wool (See Shearing wool.)		
Wool, Removing oil and fat from. A. Born	14989	12 June.
Wool-scouring machinery. F. L. Whitney	15490	9 Oct.
Wool-washing. A. Weaver	15519	14 Oct.
Wool-washing and saving wool-grease. J. H. Gardiner	15803	22 Dec.
Wounds, Antiseptic dressing for. W. Over	14533	13 Feb.
Wrench. W. Borlase and A. Taylor	14999	9 June.
Wringer. (See Clothes-wringer.)		
Yeast, Preparing, for food or manure. W. Wardle	14573	3 March.
Yoking horse-team. W. H. Cochrane	15189	29 July.
Zinc, Process for obtaining. E. H. Hopkins	15728	5 June.
Zinc-sulphide, Extracting. E. S. Baldwin and H. H. Rayward	15681	26 Nov.
Zinc-sulphides from their ore, Extracting. E. S. Baldwin and H. H. Rayward	15687	27 Nov.

M.—ALPHABETICAL LIST OF APPLICANTS FOR REGISTRATION OF DESIGNS DURING THE YEAR 1902.

Name and Address.	Number of Class.	Number of Design.	Date.
Bacon, R. H., Brisbane, Queensland	4	163	11 Jan.
Ballantyne and Co., J., Christchurch, N.Z.	5	147	10 March.
Barry, S., Palmerston North, N.Z.	5	150	26 March.
Barry, S., Palmerston North, N.Z.	5	154	18 April.
Carolyn, J. P., Melbourne, Vic.	12	155	13 March.
Devlin, A., South Dunedin, N.Z.	2	152	7 March.
Devlin, A., South Dunedin, N.Z.	2	153	24 March.
Eller and Son, Wellington, N.Z.	3	170	23 Sept.
Iceberg Butter-box Syndicate, Wellington, Eng.	3	171	16 Oct.
Jupp, W. J., Wellington, N.Z.	3	151	26 March.
Kirkman and Denison, Auckland, N.Z.	2	161	23 July.
Lever Bros. (Limited), Balmain, N.S.W.	3	172	18 Dec.
Lewis, J., Greytown North, N.Z.	1	159	15 July.
Nicholas, R., Christchurch, N.Z.	1	156	29 May.
Ranger, H. J., Christchurch, N.Z.	1	162	28 July.
Ritchie, E. J., and another, Christchurch, N.Z.	1	146	7 Feb.
Robinson, J., Christchurch, N.Z.	3	160	21 July.
Ryan, F. L., Christchurch, N.Z.	1	149	24 March.
Schatz and Co., L., Wellington, N.Z.	2	145	4 Feb.
Schatz and Co., L., Wellington, N.Z.	1	148	22 March.
Spreckley and Co., Auckland, N.Z.	5	164-9	9 Oct.
Tait, J., Wellington, N.Z.	5	158	24 June.
Townshend, N., and another, Christchurch, N.Z.	1	146	7 Feb.
Turnbull, Hickson, and Gooder, Wellington, N.Z.	5	157	6 June.

N.—ALPHABETICAL LIST OF APPLICANTS FOR REGISTRATION OF TRADE MARKS DURING THE YEAR 1902.

Name and Address.	No. of Class.	No. of Application.	Date.
Abraham and Co., F., London	42	3889	19 Aug.
Adams and Co., J. (See J. Adams.)	38	3741	10 April.
Adams, J., Auckland	40	3796	27 May.
Adams Star Cycle Company, Christchurch	43	3650	16 Jan.
Ainslie and Co. (See J. Ainslie.)	42	3897	22 Aug.
Ainslie, J., Leith	42	3968-73	16 Oct.
Alaska Packers' Association, San Francisco	44	3692	5 March.
Alaska Packers' Association, San Francisco	2	4029	17 Dec.
Alexander and Co., Kaiapoi	13	3806, 9, 3810	4 June.
Allan, M., Mosgiel, N.Z.	42	3807, 11	4 June.
Allen and Hanburys (Limited), London	50	3808	4 June.
Allen and Hanburys (Limited), London	45	3764	17 April.
American Tobacco Company, New York	45	3997, 8	13 Nov.
American Tobacco Company, New York	43	3722	21 March.
Anderson and Shaw, Glasgow	42	3780	2 May.
Anglo-Indian Importing Company, Christchurch	42	3993	11 Nov.
Aramoho Meat Company, Wanganui	47	3866	30 July.
Armour, A. B., and another, Blackstone Hill, N.Z.	3	3691	3 March.
Ashton and Parsons (Limited), London	37	3783	9 May.
Ashton (Limited), T. A., Sheffield	42	3915	1 Sept.
Ashwin, M. M. B., Waiheke Island, Auckland	42	3979	22 Oct.
Auckland Butter Company. (See G. Campbell.)	2	3995	13 Nov.
Aulsebrook and Co., Christchurch	20	3996	13 Nov.
Australian Explosives and Chemical Company (Limited), Melbourne	50	3712	14 March.
Australian Explosives and Chemical Company (Limited), Melbourne	49	3713	18 March.
Australian Manufacturing and Importing Company, Christchurch	49	3778	1 May.
Australian Manufacturing and Importing Company, Christchurch	49	3785	10 May.
Australian Manufacturing and Importing Company, Christchurch	50	3721	21 March.
Badham, C. J., Christchurch	38	3697	7 March.
Ballantyne and Co., J., Christchurch	38	3864	26 July.
Ballantyne and Co., J., Christchurch	50	3886	16 Aug.
Bamford, C. E., Hautapu, N.Z.	43	3888	18 Aug.
Barker, G. H., Wellington	42	3982	27 Oct.
Bartram and Son, J., Melbourne	7	3710	14 March.
Bassett, T., Christchurch, Ashburton, and Dunedin	43	3655	21 Jan.
Baxter and Co., C. R., Dundee	38	3832-4	24 June.
Bayer and Co., C., London	38	3950	25 Sept.
Beath, Schiess, and Co., Melbourne	42	4016	28 Nov.
Beatty, J., Dunedin	42	3690	28 Feb.
Bell, A. G., Wantwood, N.Z.	3	3860	24 July.
Bell, C. S., and another, Christchurch	50	3885	16 Aug.
Bennett, E. W., San Francisco	50	3984	28 Oct.
Bennett, E. W., San Francisco	42	3788	9 May.
Berry and Co., H., Christchurch			

ALPHABETICAL LIST OF APPLICANTS FOR REGISTRATION OF TRADE MARKS—continued.

Name and Address.	No. of Class.	No. of Application.	Date.
Bickerton, R. T., Christchurch	20	3990	6 Nov.
Bickmore Gall Cure Company, Old Town, U.S.A.	2	3837	27 June.
Birks, W. H., Adelaide	48	3735	1 April.
Black, I. (See I. Tchernegovski.)			
Blackie, H. G., Auckland	42	3699	8 March.
Blackmore, F., Greymouth	44	3985	28 Oct.
Blyth and Platt, Watford, Eng.	50	4033	18 Dec.
Borax Consolidated (Limited), London	1, 2, 3	3850, 1, 2	10 July.
Breeze, E. G., and another, Christchurch	3	3930	12 Sept.
Briasco, J. D., Wanganui	50	3684	21 Feb.
Brothwood, H. S., Petersham, N.S.W.	3	4020	4 Dec.
Brown, Barrett, and Co. (See J. M. Geddes.)			
Brown, I., Hokitika	6	3760	14 April.
Brown, W. W., Portsmouth	38	3758	12 April.
Brunt, Pitt, and Co., Christchurch	38	3668	31 Jan.
Buchanan and Co., J. (See J. Buchanan.)			
Buchanan, J., London, Glasgow, and Glentauchers, Scotland	43	3717, 8	20 March.
Burgess, Fraser, and Co., New Plymouth	42	3686	24 Feb.
Cameron and Co., R. W., Sydney	42	4050	30 Dec.
Campbell, G., Auckland	42	3821, 2	12 June.
Campbell, W., Wellington	42	3946	24 Sept.
Canterbury Dairy Company (Limited), The South. (See under South.)			
Carr Bros. and Ash (Limited), London	42	3878	14 Aug.
Castle Tea Company, Wellington	42	3861	25 July.
Cave's Solid Beer Syndicate (Limited), London	42	3740	7 April.
Chapman, J. R., Christchurch	39	3908	28 Aug.
Chapman, J. R., Christchurch	39	3949	25 Sept.
Cholmondeley and Bosanquet, Adelaide	43	3687	26 Feb.
Cholmondeley and Bosanquet, Adelaide	43	3688	26 Feb.
Claridge, E., Papanui	50	3779	1 May.
Clark and Co. (Limited), R. I., London and Sydney	1	3792	22 May.
Clark and Sons (Limited), A., Auckland	50	4034	19 Dec.
Clark and Sons (Limited), A., Auckland	38	4035	19 Dec.
Clarke and Co., I. P., Leicester	23	3797-3801	28 May.
Clarke and Co., I. P., Leicester	23	4002	20 Nov.
Clayton, E. M., Auckland	42	3825	14 June.
Clements, F. M., Petersham, N.S.W.	3	3966	14 Oct.
Clipper Pneumatic Tire Company (Limited), Coventry	2	4030	17 Dec.
Colegrove, G., and another, Wellington	42	3802	29 May.
Colegrove, G. H., Wellington	42	3898	23 Aug.
Colegrove Tea Company. (See G. H. Colegrove.)			
Commonwealth Portland Cement Company (Limited), London, and Portland, N.S.W.	17	1695	6 March.
Connell and Co. Proprietary (Limited), J., Sydney	42	3698	8 March.
Connell and Co. Proprietary (Limited), J., Sydney	42	3876	18 Aug.
Connell and Co. Proprietary (Limited), J., Melbourne and Sydney	42	3901	26 Aug.
Cook, J. F. W., Auckland	3	3884	16 Aug.
Cox (Limited), J. and G., Edinburgh	42	3856, 7	23 July.
Cremers, G. G. G. C., and another, Culemborg, Holland	43	3869	2 Aug.
Crichton and Newman. (See J. Crichton.)			
Crichton, J., Wanganui	50	3817	9 June.
Crosfield and Sons (Limited), J., Warrington, Eng.	1	3673	6 Feb.
Crosfield and Sons (Limited), J., Warrington, Eng.	47	3920	4 Sept.
Crucible Steel Company of America, Pittsburg	5	3786	9 May.
Crucible Steel Company of America, Jersey City	5	3787	16 May.
Cunningham, W., Auckland	3	4019	2 Dec.
Curtis, F., Christchurch	3	3715	18 March
Curtis, S., and Harvey (Limited), London	20	3755	12 April.
Curtis, S., and Harvey (Limited), London	20	3928	8 Sept.
Davis, E., and another, London and Sydney	13	3683	17 Feb.
Dawson, P., Dufftown and Glasgow	43	3674	6 Feb.
Dawson, W., Auckland	2	3959	4 Oct.
Dawson, W., Auckland	3	3960-2	4 Oct.
Dent and Co., C. S., London	3	3708	13 March.
Dickenson and Co. (See F. Wolfgang.)			
Dobbs, J., Mangapuaka, N.Z.	42	3986	30 Oct.
Donnelly, J. F., Feilding	48	3696	7 March.
Downer, W. H., Christchurch	47	3931	12 Sept.
Dresden Pianoforte Manufacturing and Agency Company (Limited), Dunedin	9	3896	20 Aug.
Driver, H., Thames, N.Z.	42	3848	8 July.
Duerdin and Sainsbury. (See R. P. Francis.)			
Dunedin Operative Bootmakers' Co-operative Society, Dunedin	38	3759	14 April.
Dutton, P., Dunedin	3	3774	25 April.
Dutton, P., Dunedin	3	3855	17 July.
Dutton, P., Dunedin	3	3914	1 Sept.
Dutton, P., Dunedin	3	3929	11 Sept.
Dutton, R. A., Auckland	3	3828	17 June.
Eltham Co-operative Dairy Factory Company (Limited), Eltham, N.Z.	42	3814	6 June.
Ferguson, A. G., Dunedin	22	3868	2 Aug.
Ferguson and Co., J., Glasgow and Melbourne	43	4023	5 Dec.
Ferguson and Co., J., Glasgow and Melbourne	43	3975	16 Oct.
Force Food Company, Buffalo, U.S.A.	42	3772, 3	24 April.
Francis, R. P., Melbourne	43, 44	3859	24 July.
Fresh Food and Frozen Storage Company (Limited), Melbourne	42		
Frossard, Levic, and Co. (See F. Levic.)			
Fulford and Co., C. E. (See C. E. Fulford.)			

ALPHABETICAL LIST OF APPLICANTS FOR REGISTRATION OF TRADE MARKS—*continued.*

Name and Address.	No. of Class.	No. of Application.	Date.
Fulford, C. E., Sydney	3	3791	22 May.
Geddes, J. M., Auckland	42	3932	13 Sept.
Geddes, J. M., Auckland	42	4017	29 Nov.
Germinal Sociedad Anonima, El Admor Gerente, Manila	45	3858	24 July.
Gerstendorfer Bros., New York	1	3823	12 June.
Gilberd and Sons, J. B., Wanganui	47	3846	3 July.
Gilbertson and Co. (Limited), W., Pontardawe, Wales	5	3752	10 April.
Gilbey (Limited), W. and A., London	43	3838	27 June.
Gill, P., Wellington	3	4044	30 Dec.
Gillman and Co., Dunedin	38	3653	20 Jan.
Gillman and Co., Dunedin	38	3682	14 Feb.
Golden Bay Co-operative Dairy Factory Company (Limited), Takaka, Nelson, N.Z.	42	4001	20 Nov.
Gollin and Co. Proprietary (Limited), Melbourne	43	3733	1 April.
Gollin and Co. Proprietary (Limited), Melbourne, Sydney, Adelaide, and Wellington	42	3789	22 May.
Goodley, H., and another, Tolaga Bay, N.Z.	3	3734	1 April.
Grapes and Co., G. H., Paraparaumu, N.Z.	42	3793	22 May.
Greening and Sons (Limited), N., Warrington, Eng.	13	4032	18 Dec.
Griffiths Bros. and Co., London	1	4048, 9	30 Dec.
Hall and Sons, G., Norwood, S. Aust.	43	3867	2 Aug.
Hamley Bros., London	49	3795	24 May.
Hardy, T. M., Wellington	1	3720	2 March.
Hartman, S. B., Columbus, U.S.A.	3	4039	24 Dec.
Harvey and Sons, A., Auckland	13	3927	6 Sept.
Hayward Bros. (Limited), Christchurch	42	3724	24 March.
Hayward Bros. (Limited), Christchurch	42	3761-3	14 April.
Hayward Bros. (Limited), Christchurch	42	3769	24 April.
Hean, G. W., Wanganui	3	3658	24 Jan.
Hean, G. W., Wanganui	3	3989	6 Nov.
Hearne, W. G., Geelong	3	3853	17 July.
Heather, Robertson, and Co., Auckland	43, 44	3742, 3	10 April.
Hertzberg and Co., A. M., Brisbane	3	4004	22 Nov.
Hofnung and Co. (1902), (Limited), S., London and Sydney	8	4036, 7	19 Dec.
Holdenson, P. J., and another, Melbourne	42	4024	11 Dec.
Hollins and Co. (Limited), W., Nottingham and London	34	3646	14 Jan.
Horrockses, Crewdson, and Co. (Limited), London	24	3872	7 Aug.
Hoytema, Van. (See under V.)			
Hudson, G. I., Ipswich, Queensland	3	3847	3 July.
Hudson, R. S. (See R. W. Hudson.)			
Hudson, R. W., Liverpool	47	3943, 4	19 Sept.
Iceberg Butter-box Syndicate, Wellington, Eng.	50	3976	16 Oct.
Imperial Tobacco Company (Limited), Bristol	45	3873	7 Aug.
Ingley, J., and another, Waiparaki, N.Z.	42	3956	2 Oct.
Inglis Bros. (See T. Inglis.)			
Inglis, T., Wellington	22	3716	19 March
Jansen, H., Langehaven, Holland	43	3877	14 Aug.
Jenkinson and Co. (Limited), Wellington	22	3667	30 Jan.
Jewell, Davis, and Co. (See E. Davis and S. H. Jewell.)			
Jewell, S. H., and another, Sydney and London	13	3683	17 Feb.
Johnson and Nephew (Limited), R., Manchester	5	3729	27 March.
Johnson and Nephew (Limited), R., Manchester	5	3776	29 April.
Kempthorne, Prosser, and Co.'s New Zealand Drug Company (Limited), Christchurch, Wellington, Dunedin, Auckland	3	4043	29 Dec.
Kincaid, T., and another, Christchurch	42	3802	29 May.
Lane, D. G., Waikare, N.Z.	42	3766	15 April.
Lanson, Père, and Fils, Reims	43	3656	21 Jan.
Laurie and Co., W. S. (See W. S. Laurie.)			
Laurie, W. S., Auckland	2	3813	6 June.
Leman, A., Auckland	50	4038	23 Dec.
Lever Bros. (Limited), Balmain, N.S.W.	47	4012, 4, 5	27 Nov.
Lever Bros. (Limited), Balmain, N.S.W.	48	4013	27 Nov.
Levic, F., Sydney	45	3824	12 June.
Liebig's Extract of Meat Company (Limited), London and Antwerp	42	3765	17 April.
Lightband, C. D., Christchurch	..	4022	4 Dec.
Lightband, H., and another, Christchurch	3	3860	24 July.
Linotype Company (Limited), The, London	5, 6, 13	3923, 4, 5	4 Sept.
Little and Co., A. E., Lynn, Massachusetts	40	3669, 70	4 Feb.
Little and Co., A. E., Lynn, Massachusetts	50	3671, 2	4 Feb.
Lloyd and Co., E. (See E. Lloyd.)			
Lloyd, E., Gore	42	3862	25 July.
Locke, W., Dunedin	3	3936	15 Sept.
Lubriphite Company, The, New York	47	3922	4 Sept.
Lucas and Co., W. F., London	38	3790	22 May.
Luke, J. P., Wellington	3	3738	3 April.
Lysnar, W. D., Gisborne	42	3947, 8	24 Sept.
Mackenzie Bros., Allness, Scotland	43	3756, 7	12 April.
Maori Remedies Company. (See W. Dawson.)			
Marriner and Co., Christchurch	50	3958	3 Oct.
Marriner, H. J., Christchurch	25	3662	29 Jan.
Mazawattee Tea Company (Limited), The, London	42	3661	28 Jan.
McConnochie, W., and another, St. Bathans, N.Z.	47	3866	30 July.
McDougall, R. E. (See Aulsebrook and Co.)			
McIntyre and Co., D. C., Christchurch	42	3863	25 July.
McLean, D., Greymouth	42	3794	23 May.
McLeod Bros. (Limited), Dunedin	48	3883	15 Aug.
Meadows, F. N. R., Wellington	42	3663	29 Jan.

ALPHABETICAL LIST OF APPLICANTS FOR REGISTRATION OF TRADE MARKS—continued.

Name and Address.	No. of Class.	No. of Application.	Date.
Meadows, F. N. R., Wellington	42	3994	13 Nov.
Melbourne Chilled Butter and Produce Company Proprietary (Limited), Melbourne	42	3665	30 Jan.
Melbourne Chilled Butter and Produce Company Proprietary (Limited), Melbourne	42	3666	30 Jan.
Molassine Company (Limited), London	42	3843	2 July.
Mollet, D., Killara, Sydney	3	3651	16 Jan.
Morris, H., and another, Birmingham	13	3645	14 Jan.
Morris, Thomas and Ellis. (See H. Morris and B. Thomas.)			
Morrow, Bassett, and Co. (See T. Bassett.)			
Muntz's Metal Company (Limited), Smethwick, Eng.	5	3879	14 Aug.
Muralo Company, The, New Brighton, U.S.A.	17	3676	6 Feb.
Muralo Company, The, New York	1	3841	2 July.
Mutual Co-operative Stores. (See J. Beatty.)			
Myers and Co., J., Wellington	45	3839-40	30 June.
Nathan and Co. (Limited), J., Wellington	5	3926	5 Sept.
Nathan and Co. (Limited), J., Wellington	47	3991	8 Nov.
Nathan and Co. (Limited), J., Wellington	50	3992	8 Nov.
Neill and Co. (Limited), Dunedin	42	3981	24 Oct.
Nelson Bros. (Limited), Tomoana, Hawke's Bay, N.Z.	42	3999-4000	14 Nov.
Nelson Bros. (Limited), Tomoana, Hawke's Bay, N.Z.	42	4007, 8	26 Nov.
New South Wales Creamery Butter Company (Limited), Sydney	42	3664	29 Jan.
New South Wales Creamery Butter Company (Limited), Sydney	42	3675	6 Feb.
New Sunlight Incandescent Company (1900), (Limited), London	18	3767	19 April.
Nicol, R., Auckland	50	3874	13 Aug.
Nield, D., Wellington	50	3980	24 Oct.
Nielsen, A. J., and another, Melbourne	42	4024	11 Dec.
Nimmo and Blair, Dunedin	2	3805	23 June.
North New Zealand Packing Syndicate, Auckland	42	3775	29 April.
Norton and Co., J. T., Lyttelton	3	3957	3 Oct.
Oakes and Co. (Limited), Madras and London	45	3987	30 Oct.
Ogden's (Limited), Liverpool	45	3719	20 March.
Ogden's (Limited), Liverpool	45	3770	24 April.
Ogden's (Limited), Liverpool and Sydney	45	3784	9 May.
Ogden's (Limited), Liverpool and Sydney	45	3812	5 June.
Ogden's (Limited), Liverpool	45	3921	4 Sept.
Oppenheimer and Co., A., London	50, 40, 39	3880, 1, 2	14 Aug.
Oruru-Fairburn Co-operative Dairy Factory Company (Limited), Peria, N.Z.	42	3654	20 Jan.
Osborne, H., Ashburton	42	3900	22 July.
Pacific Polish and Compound Company (Incorporated), San Francisco	50	4031	17 Dec.
Paraffine Paint Company, San Francisco	17	3739	3 April.
Paris Medicine Company, St. Louis and London	3	4045, 6, 7	30 Dec.
Parker, W., Wellington	48	3642	6 Jan.
Partridge, H. E., Auckland	45	3890-95	21 Aug.
Partridge, H. E., Auckland	45	3945	24 Sept.
Patea Co-operative Poultry Company (Limited), Patea	42	3643	10 Jan.
Paterson, Laing, and Bruce (1901), (Limited), Patea	38	3657	22 Jan.
Patterson, J. J., and another, Waipatiki, N.Z.	42	3956	2 Oct.
Pears (Limited), A. and F., London and Isleworth	48	3652	16 Jan.
Peryer, M., Christchurch	50	3899	23 Aug.
Pettifer and Sons, F., Malmesbury, Eng.	2	3649	15 Jan.
Pidgeon and Co. (Limited), E. W., Christchurch	45	3870	4 Aug.
Pilkington Bros. (Limited), St. Helens, Eng.	15	4009	26 Nov.
Porter and Co. (Limited), R., London	42	3751	10 April.
Porter and Co. (Limited), R., London	43	4027	17 Dec.
Powley and Keast, Dunedin	43	3911	29 Aug.
Preservaline Manufacturing Company, The, New York	2	4025, 6	11 Dec.
Prestwick, S. and J., Manchester	24	3753	10 April.
Pretty and Sons (Limited), W., Ipswich, Eng.	13	3933, 4	13 Sept.
Pretty and Sons (Limited), W., Ipswich, Eng.	38	3935	13 Sept.
Ramsbottom, Lyons, and Co. (Limited), London, Manchester, and Rochdale	39	3835	24 June.
Rattray and Son, J., Dunedin	42	3804	2 June.
Rawnsley, E. G., Christchurch	49	3709	14 March.
Rawnsley, E. G., Christchurch	49	3728	26 March.
Reid and Reid, Wellington	47	3988	1 Nov.
Rice, W. S., New York	3	3842	2 July.
Rigby, Battock, and Co., London	50	3768	21 April.
Rimmer, S. L. P., Auckland	42	3678	10 Feb.
Rimmer, S. L. P., Auckland	42	3693	6 March.
Rodier, W., Cobar, N.S.W.	13	3803	29 May.
Ross and Ansenne, Auckland	50	3711	14 March.
Ross Antidote Company (Limited), Hampden, N.Z.	2 and 3	3909-10	29 Aug.
Rudge, Whitworth (Limited), Coventry	22	3916, 8	4 Sept.
Rudge, Whitworth (Limited), Coventry	40	3917, 9	4 Sept.
Salmon and Gluckstein (Limited), London	45	3983	27 Oct.
Salmon Bros., Dunedin	38	3700	10 March.
Sandow's Grip Dumb-bell Company, London	49	4042	24 Dec.
Sargood, Son, and Ewen, Auckland	38	3826, 7	14 June.
Sargood, Son, and Ewen, Wellington	38	3951	26 Sept.
Sargood, Son, and Ewen, Wellington	38	3952	29 Sept.
Sargood, Son, and Ewen, New Zealand	38	3967	14 Oct.
Scott and Co. (Limited), P., Hawick, N.B.	38	3737	3 April.
Sefton Mutual Dairy Produce Association (Limited), Sefton, N.Z.	42	4006	26 Nov.
Sharland and Co. (Limited), Auckland and Wellington	50	3942	18 Sept.
Sharland and Co. (Limited), Wellington	50	3978	21 Oct.

ALPHABETICAL LIST OF APPLICANTS FOR REGISTRATION OF TRADE MARKS—*continued.*

Name and Address.	No. of Class.	No. of Application.	Date.
Singer, I., Petone	1	3644	14 Jan.
Slee, Slee, and Co. (Limited), London	42	3831	19 June.
Smidth and Co., F. L., Copenhagen	6	3875	13 Aug.
Smith and Goodley. (See C. E. Smith and H. Goodley.)			
Smith and Smith. (See R. F. Smith.)			
Smith, C. E., and another, Tolaga Bay, N.Z.	3	3734	1 April.
Smith, R. F., Dunedin	1	3714	18 March.
Snowdon, Sons, and Co. (Limited), London	47	3723	21 March.
South Canterbury Dairy Company (Limited), Timaru	42	3660	28 Jan.
Stratford Farmers' Co-operative Association (Limited), Stratford, N.Z.	42	3941	18 Sept.
Stratford Farmers' Co-operative Association (Limited), Stratford, N.Z.	42	3955	1 Oct.
Subritzky, J. A., Awanui, N.Z.	3	4021	4 Dec.
Sydney Soap and Candle Company (Limited), Sydney	47	3689	27 Feb.
Sykes, A. E., New Plymouth	3	4005	22 Nov.
Taylor, T. E., Akaroa, N.Z.	42	3940	16 Sept.
Tehernegovski, I., Wellington	48	4028	17 Dec.
Tetlow, J., Philadelphia	48	3707	13 March.
Thomas, B., and another, Birmingham	13	3645	14 Jan.
Thomson, Bridge, and Co., Dunedin	47	3659	24 Jan.
Tooth and Co. (Limited), Sydney	43, 44	4010, 1	27 Nov.
Tracker Company. (See M. D. Wreathall and E. G. Breeze.)			
Tucker, W. F., Auckland	3	3954	30 Sept.
Tucker, W. F., Auckland	42	3965	14 Oct.
Tullis and Son (Limited), J., Glasgow	37	3902, 3, 4, 5	26 Aug.
Tullis and Son (Limited), J., Glasgow	40	3906	26 Aug.
Turnbull and Co., W. and G., Wellington	47	3844	2 July.
Turnbull and Co., W. and G., Wellington	48	3845	2 July.
Turnbull and Co., W. and G., Wellington	42	3937, 8, 9	16 Sept.
Turner, D. L., Wellington	3	3815	7 June.
Tyree and Co., A., Christchurch	38	3640	3 Jan.
Tyree and Co., A., Christchurch	18	3647, 8	14 Jan.
Union Bag and Paper Company, Jersey City	39	3725, 6	24 March.
Union Bag and Paper Company, Jersey City	39	3782	8 May.
Union Oil, Soap, and Candle Company (Limited), Auckland	47	3754	12 April.
Union Oil, Soap, and Candle Company (Limited), Auckland	..	4003	21 Nov.
United Farmers' Co-operative Association (Limited), Palmerston North	42	3836	24 June.
United Farmers' Co-operative Association (Limited), Palmerston North	42	4051	30 Dec.
United States Rubber Company, London	38	3974	16 Oct.
Vacuum Oil Company, Rochester, Melbourne, Wellington, &c.	47	3701, 2, 3, 5	13 March.
Vacuum Oil Company, Rochester, Melbourne, Wellington, &c.	4	3704	13 March.
Vacuum Oil Company, Rochester, U.S.A.	47	3964	10 Oct.
Van Hoytema and Co. (See D. Van Hoytema and G. G. C. Cremers.)			
Van Hoytema, D., and another, Culemborg, Holland	43	3869	2 Aug.
Waldberg and Co., Berlin	8	4040, 1	24 Dec.
Walker, E. E., Waihi, N.Z.	47	3829	17 June.
Ward and Co., J. G., Invercargill	42	3887	18 Aug.
Warnock Bros., Auckland	47	3865	25 July.
Watson and Co. (Limited), J., Dundee	43	3732	1 April.
Watson and Co. (Limited), J., Dundee	43	3771	24 April.
Watson and Co. (Limited), J., Dundee	43	3830	19 June.
Watson, Laidlaw, and Co., Glasgow	7	3694	6 March.
Webendorfer Bros., Sydney	19	3736	2 April.
Weingarten Bros., New York	38	3677	8 Feb.
Weingarten Bros., New York	38	3679, 81	13 Feb.
Weingarten Bros., New York	38	3706	13 March.
Weingarten Bros., New York	38	3907	27 Aug.
Wellington Fresh Food and Ice Company (Limited), Wellington	42	3913	1 Sept.
Wells, I., Thames, N.Z.	48	3816	7 June.
Welsbach Light Company of Australasia (Limited), The, London	18	4018	2 Dec.
Wharton, G. E., Gore, N.Z.	3	3963	9 Oct.
Whittome, Stevenson, and Co. (Limited), Auckland	42	3953	29 Sept.
Wilcock and Co., J., Manchester	50	3685	21 Feb.
Wiles, H. O., Auckland	1	3727	25 March.
Wiles, H. O., Auckland	1	3781	6 May.
Williams Company, T. C., Richmond, U.S.A.	45	3854	21 July.
Wilson, Balk, and Co., Dunedin	42	3730	1 April.
Winjernia Proprietary (Limited), Melbourne	3	3641	6 Jan.
Winterbottom Book-cloth Company (Limited), Manchester	39	3744-50	10 April.
Wiseman and Son, J., Auckland	37	3818-20	10 June.
Wolfgang, F., Wellington	42	3977	16 Oct.
Woodhouse, A., Dunedin	3	3777	30 April.
Woodyatt and Co., A. R., Guelph, Canada	7	3849	10 July.
Wormald Bros. (See J. D. Wormald.)			
Wormald, J. D., Sydney	6	3871	5 Aug.
Worrall (Limited), J. and J. M., Salford, England	24	3731	1 April.
Wreathall, W. D., and another, Christchurch	3	3930	12 Sept.
Wylie, W., Wellington	42	3912	1 Sept.

Approximate Cost of Paper.—Preparation, not given; printing (1,435 copies), £80 7s. 6d.