

1895.
NEW ZEALAND.

PATENTS, DESIGNS, AND TRADE-MARKS.

(SIXTH 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."

In compliance with the provisions of "The Patents, Designs, and Trade-marks Act, 1889," I have the honour to report as follows on the business of the Patent Office during the year ended 31st December, 1894:—

2. The Appendix to this report contains the following returns:—

- A. Balance-sheet of revenue and expenditure, with particulars thereof. It will be observed that the revenue continues to increase.
- B. List of the staff and salaries.
- C. Return of applications for patents, &c., in each year from 1861 to 1889, under Acts now repealed, showing numbers lapsed and numbers in force.
- D. Return of provisional and complete specifications received in 1890, 1891, 1892, 1893, and 1894, under the Act of 1889.
- E. Classified return of applications to register trade-marks during 1892, 1893, and 1894.
- F. Total number of applications relative to patents, designs, and trade-marks during 1890, 1891, 1892, 1893, and 1894. This return shows concisely the steady increase of the work of the office.
- G. Return showing the countries and colonies from which applications for letters patent have been received during 1892, 1893, and 1894. New Zealand shows the greatest increase in number, and the United Kingdom the next.
- H. Return showing the countries and colonies from which applications for registration of trade-marks have been received during 1892, 1893, and 1894. In these the United Kingdom is next to New Zealand in number.
- I. List of countries and colonies which have joined the International Convention for the Protection of Patentees' Rights and other purposes.
- J. Alphabetical list of applicants for letters patent in 1894.
- K. Alphabetical list of inventions for which letters patent have been applied for during 1894.

3. For much valuable information relative to the various applications made to the office, I beg leave to refer to the Patent Office Supplement to the *New Zealand Gazette*, published fortnightly, and which should be obtained regularly by every business man.

4. Attention is invited to the remarks and suggestions made in my report of 1892, which still hold good, and especially to the desirableness of printing in a handy and cheap form the specifications of inventions.

5. As stated in last year's report, the Museum is no longer able to accommodate the rapidly-increasing Patent Office library, and consequently several cases of British specifications are, for want of a lodging-place, still unpacked. Many complaints have been made of the inconvenience to the public caused by this want of room, and serious difficulties may be the result of non-publication in this colony of important inventions. I am glad, however, that in the additions now being made to the Government Printing Office suitable rooms for the Patent Office, including one for its valuable and useful library, and for models, will be provided. They are greatly needed.

6. It gives me pleasure to be able to speak in the highest terms of the diligence, ability, and carefulness of the clerks in the office. They are now overworked, and it will soon be necessary to increase the staff of the office.

C. J. A. HASELDEN,

Registrar of Patents, Designs, and Trade-marks.

Patent Office, Wellington, 10th July, 1895.

A.—BALANCE-SHEET of INCOME and EXPENDITURE for the Year ending 31st December, 1894.

<i>Income.</i>				<i>Expenditure.</i>			
	£	s.	d.		£	s.	d.
Patent fees	2,055	14	6	Salaries	305	0	0
Design fees	7	10	0	Incidental expenses	168	1	10
Trade Mark fees	411	5	6	Value of printing and stationery	63	5	1
Sale of Acts... ..	2	17	0	from Government Printing Office			
				Surplus for the year 1894 ...	1,941	0	1
	<u>£2,477</u>	<u>7</u>	<u>0</u>		<u>£2,477</u>	<u>7</u>	<u>0</u>

PARTICULARS of FEES received, from the 1st JANUARY to the 31st DECEMBER, 1894.

	Number.	Fees. — Each.	Amount received.
PATENTS.			
Applications for patents, with provisional specifications	309	£ s. 0 10	£ s. d. 154 10 0
Applications for patents, with complete specifications	464	0 10	232 0 0
Complete specifications filed after provisional	76	0 10	38 0 0
Applications to amend specifications	5	1 0	5 0 0
Issue of patents	312	2 0	624 0 0
Issue of duplicate patents	1	2 0	2 0 0
Renewal fees on patents granted under Act of 1883	44	7 0	308 0 0
Renewal fees before the end of the fourth year from date of patent	90	5 0	450 0 0
Notices of opposition to applications for letters patents	3	0 10	1 10 0
Applications for extension of time for filing complete specifications	2	1 0	2 0 0
Grant of such extension	2	5 0	10 0 0
Applications for extension of time for issue of patent	5	1 0	5 0 0
Grant of such extension	5	3 0	15 0 0
Applications for extension of time for payment of renewal fees	14	1 0	14 0 0
Grant of such extension	14	3 0	42 0 0
Searches	469	0 1	23 9 0
Registration of assignments and licenses of patents	41	0 10	20 10 0
Certificates of such registration	26	0 10	13 0 0
Copies	..	..	83 12 0
Applications to correct clerical errors in specifications	4	0 5	1 0 0
Registration of Patent Agents	6	1 1	6 6 0
Miscellaneous	..	..	4 17 6
	..	..	<u>£2,055 14 6</u>

DESIGNS.

Applications for registration of designs	15	0 10	7 10 0
	..	..	<u>£7 10 0</u>

TRADE-MARKS.

Applications for registration of trade-marks	353	0 5	88 5 0
Registration of trade-marks	272	1 0	272 0 0
Registration of series of trade-marks	1	..	2 5 0
Notices of opposition to registration of trade-marks	6	1 0	6 0 0
Registration of subsequent proprietors of trade-marks	12	..	16 4 0
Certificates of registration	19	0 5	4 15 0
Notices of appeal to Supreme Court against Registrar's decision	1	1 0	1 0 0
Searches	107	0 1	5 7 0
Copies	..	..	2 2 6
Advertisements—Fees for additional space	..	..	11 12 0
Miscellaneous	..	..	1 15 0
	..	..	<u>£411 5 6</u>

B.—STAFF of OFFICERS and present SALARIES.

Registrar of Patents, Designs, and Trade-marks*	..	..	£ Nil.
Clerk ...	...	...	180
Clerk ...	...	...	130
Total salaries	...	...	£310

* Also Under-Secretary for Justice.

C.—NUMBER of APPLICATIONS for PATENTS and LETTERS of REGISTRATION under Acts now repealed.

Year and Act.	Number of Applications received.		Number of such Applications lapsed or refused.		Number of Patents and Letters of Registration sealed on such Applications.		Number of such Patents lapsed owing to Non-payment of Renewal Fees.		Number of such Patents and Letters of Registration in Force to End of Term.		
	N.Z.	Foreign.	N.Z.	Foreign.	N.Z.	Foreign.	N.Z.	Foreign.	N.Z.	Foreign.	
Under Act of 1860	1861	6	15	...	...	6	15	...	...	6	15
	1864										
	1865	1	5	...	...	1	5	...	...	1	5
	1866	4	5	...	...	4	5	...	...	4	5
	1867	3	4	...	...	3	4	...	...	3	4
	1868	5	6	...	...	5	6	...	...	5	6
	1869	9	8	...	...	9	8	...	...	9	8
	1870	19	19	...	...	19	19	...	...	19	19
	1871	19	10	5	...	14	10	...	...	14	10
	1872	19	17	8	...	11	17	10	...	1	17
Under Act of 1870	1873	14	19	8	...	6	19	4	...	2	19
	1874	4	10	2	...	2	10	2	...	...	10
	1875	16	22	7	...	9	22	8	...	1	22
	1876	19	5	6	...	13	5	12	...	1	5
	1877	15	23	6	...	9	23	7	...	2	23
	1878	27	23	4	...	23	23	20	...	3	23
	1879	22	25	9	...	13	25	13	...	...	25
	1880	34	46	10	...	24	46	16	...	8	46
	1881	34	43	10	...	24	43	23	...	1	43
	1882	89	93	34	...	55	93	48	2	7	91
Under Act of 1883	1883	159	74	85	...	74	74	57	...	17	74
	1884	260	98	127	8	133	90	116	49	17	41
	1885	240	83	141	14	99	69	90	40	9	29
	1886	380	123	216	16	164	107	141	62	23	45
	1887	402	143	242	11	160	132	138	95	22	37
	1888	489	256	300	40	189	216	165	152	24	64
	1889	460	236	266	32	194	204	174	137	*	*

NOTE.—By "N.Z." is meant those in which the applicants reside in the colony, and by "Foreign" those in which they are not so resident.

* These columns are not filled up, as necessarily the returns would be incomplete and of no value, the respective periods not having yet expired.

D.—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 and at Present in Force.	
	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
1891	187	207	126	69	29	25	191	50	122	226
1892	207	189	160	50	40	16	238	42	126	200
1893	198	178	197	52	50	23	263	28	135	199
1894	278	166	251	61	*	*	*	*	*	*

* These figures are necessarily incomplete, as the time for proceeding further with the applications has not yet expired. For total number of applications see Table G.

E.—NUMBER of Applications to register Trade-marks, the Number advertised, and the Number registered, in the Fifty different Classes in each of the Years 1892, 1893, and 1894.

Classes.	Classification of Goods.	1892.			1893.			1894.		
		Applied for.	Advertised.	Registered.	Applied for.	Advertised.	Registered.	Applied for.	Advertised.	Registered.
1	Chemical substances used in manufactures, photography, or philosophical research, and anti-corrosives	2	2	2	..	..	..	10	9	7
2	Chemical substances used for agricultural, horticultural, veterinary, and sanitary purposes	10	8	7	18	17	12	8	10	9
3	Chemical substances prepared for use in medicine and pharmacy ..	32	25	24	18	18	18	45	36	22
4	Raw or partly-prepared vegetable, animal, and mineral substances used in manufactures not included in other classes	2	2	1	4	4	2	4	3	6
5	Unwrought and partly-wrought metals used in manufacture ..	1	1	3	3	2	3	2	3	3
6	Machinery of all kinds, and parts of machinery, except agricultural and horticultural machines included in Class 7	3	2	1	2	1	1	5	5	3
7	Agricultural and horticultural machinery, and parts of such machinery	1	1	2	..	..	..	2	2	1
8	Philosophical instruments, scientific instruments, and apparatus for useful purposes; instruments and apparatus for teaching	..	..	1	1	..	..	..	..	..
9	Musical instruments	1	1	1	2	2	2	..	..	..
10	Horological instruments	2	2	..	..	..	..	..	..	..
11	Instruments, apparatus, and contrivances not medicated for surgical or curative purposes, or in relation to the health of men or animals	..	..	..	..	..	..	..	..	..
12	Cutlery and edge-tools	2	2	1	4	3	2	1	1	3
13	Metal goods not included in other classes.. .. .	4	4	7	5	4	3	5	5	6
14	Goods of precious metals (including aluminium, nickel, Britannia-metal, &c.) and jewellery, and imitations of such goods and jewellery	..	..	..	2	1	1	1	2	1
15	Glass	..	..	..	1	1	1	..	..	..
16	Porcelain and earthenware	..	..	..	..	..	..	..	..	..
17	Manufactures from mineral and other substances for building or decoration	1	1	..	..	..	..	..	..	..
18	Engineering, architectural, and building contrivances	..	..	..	2	2	..	3	3	1
19	Arms, ammunition, and stores not included in Class 20	..	..	..	..	..	..	..	..	..
20	Explosive substances	..	..	..	..	..	..	4	4	4
21	Naval architectural contrivances and naval equipments	..	..	..	..	..	..	..	..	..
22	Carriages	1	1	1	1	1	1	1	1	..
23	Cotton yarn and thread	8	8	6	1	1	1	1	..	..
24	Cotton piece-goods of all kinds	..	..	..	2	2	1	3	3	3
25	Cotton goods not included in Classes 23, 24, and 38	..	..	..	..	..	..	..	..	..
26	Linen and hemp yarn and thread	1	1	1	2	2	2	..	..	..
27	Linen and hemp piece-goods	..	..	..	..	..	..	..	..	..
28	Linen and hemp goods not included in Classes 26, 27, and 50	..	..	..	..	..	..	..	..	..
29	Jute yarns and tissues, and other articles made of jute not included in Class 50	..	..	..	..	..	..	..	..	..
30	Silk, spun, thrown, or sewing	1	1	2	..	..	..	..	..	..
31	Silk piece-goods	..	..	..	1	1	..	..	..	1
32	Other silk goods, not included in Classes 30 and 31	..	..	..	..	..	..	..	..	..
33	Yarns of wool, worsted, or hair	..	..	..	1	1	1	1	1	1
34	Cloth and stuffs of wool, worsted, or hair	1	1	1	1	1	..	1	1	1
35	Woollen and worsted and hair goods not included in Classes 33 and 34	..	..	..	..	..	..	..	..	..
36	Carpets, floorcloth, and oilcloth	..	..	..	2	2	..	..	..	2
37	Leather, skins, unwrought and wrought, and articles made of leather, not included in other classes	2	2	2	2	2	2	3	2	2
38	Articles of clothing	9	9	8	15	15	13	28	27	25
39	Paper (except paperhangings), stationery, and bookbinding.. ..	5	5	2	5	5	6	1	..	1
40	Goods manufactured from indiarubber and guttapercha, not included in other classes	..	..	..	1	..	..	..	1	1
41	Furniture and upholstery	1	..	..	1	1	1	..	..	..
42	Substances used as food or ingredients in food	97	82	36	128	132	108	123	112	90
43	Fermented liquors and spirits	22	29	29	23	20	19	12	11	12
44	Mineral and aerated waters, natural and artificial, including ginger-beer	7	5	6	5	6	6	5	5	4
45	Tobacco, whether manufactured or unmanufactured	22	22	16	32	29	21	33	23	21
46	Seeds for agricultural or horticultural purposes	..	..	..	1	1	1	2	2	1
47	Candles, common soap, detergents; illuminating, heating, or lubricating oils; matches; and starch, blue, and other preparations for laundry purposes	19	14	11	26	21	13	21	20	20
48	Perfumery (including toilet articles), preparations for the teeth and hair, and perfumed soap	9	10	12	2	2	4	5	5	2
49	Games of all kinds, and sporting articles not included in other classes	..	..	..	1	1	..	..	..	1
50	Miscellaneous	24	20	15	10	7	9	17	18	9

NOTE.—For the total number see Table G.

F.—TOTAL NUMBER of Applications for Patents, and Registration of Designs and Trade-marks, for the Years 1890, 1891, 1892, 1893, and 1894.

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

G.—NUMBER of APPLICATIONS for PATENTS from Persons residing in New Zealand and other Colonies and Countries in each of the Years 1892, 1893, and 1894.

	1892.	1893.	1894.		1892.	1893.	1894.
New Zealand	362	396	527	New South Wales	49	32	51
Belgium	..	..	1	Norway	..	1	1
Canada	3	4	1	Queensland	4	11	6
Denmark	1	1	..	South Africa	2	..	..
Finland	..	..	1	South Australia	7	6	12
France	1	2	..	Spain	..	..	1
Germany	2	10	3	Sweden	..	3	1
Holland	..	1	..	Tasmania	1	2	1
Hungary	..	..	1	United Kingdom	83	53	75
India	..	1	..	United States	37	39	17
Italy	1	1	..	Victoria	53	65	55
Japan	1	..	..	Western Australia	..	..	3

NOTE.—As some applications have been received from joint applicants resident in different countries, these figures will total more than the actual number of applications received.

H.—NUMBER of APPLICATIONS for REGISTRATION of TRADE-MARKS from Persons residing in New Zealand and other Colonies and Countries in each of the Years 1892, 1893, and 1894.

	1892.	1893.	1894.		1892.	1893.	1894.
New Zealand	178	216	219	Norway	..	..	1
Belgium	..	1	..	Russia	2	..	..
Canada	..	1	2	South Australia	1	..	..
Ceylon	..	..	1	Sweden	..	..	1
Denmark	..	..	1	Switzerland	1	1	..
France	9	6	3	Tasmania	1	..	..
Germany	2	2	..	United Kingdom	57	74	66
Holland	1	..	1	United States	10	22	30
India	..	3	..	Victoria	11	3	11
New South Wales	21	..	14				

NOTE.—As a few applications have been received from persons giving an address in more than one country, the columns will add to slightly more than the actual number of applications received.

I. COUNTRIES and COLONIES included in the International Convention for the Protection of Inventors and Others.

Greece*	Great Britain	Curaçoa & Surinam	Servia	Switzerland
Mexico	France	East India Colonies	Santo Domingo	Guatemala
Paraguay	Belgium	of Netherlands	New Zealand	Queensland
Roumania*	Norway	United States	Spain	Denmark
Uruguay	Tunis	Italy	Portugal	Ecuador.*
Tasmania	Brazil	Netherlands	Sweden	

* Designs and trade-marks only.

The Colony of Victoria has made separate arrangements with New Zealand.

J.—ALPHABETICAL LIST OF APPLICANTS FOR PATENTS FOR THE YEAR 1894.

Name, Residence, and Invention.	No.	Date.
à Beckett, M. E., and others, Sydney, N.S.W. Drying wool, skins, &c.	6749	4 April.
Adam, A. G., York, W. Australia. Rotary pump	7198	11 Oct.
Adams, F. N., and another, Christchurch, N.Z. Ball-bearing	7156	24 Sept.
Adams, R. N., Dunedin, N.Z. Trimming and stitching paper.. .. .	7332	10 Dec.
Adcock, G., and another, Christchurch, N.Z. Aërating and cooling milk, &c.	7320	7 Dec.
Affleck, T., Sydney, N.S.W. Curing meat, &c., by fumigation	7262	13 Nov.
A. H. Motley Company, Reidsville, N. Carolina, U.S.A. (See J. Ross, No. 7253.)		
Aitken, H., Darroch, North Britain. Manufacture of cyanogen, &c., from carbonaceous matter	6812	2 May.
Aitkens, G., Foxton, N.Z. Pumice burner for lamps and stoves	6829	9 May.
Alexander, A., and others, Wellington, N.Z. Advertising-ruler	6706	8 March.
Allan, T. A., S. Melbourne, Vic. Amalgamating precious metals	6991	23 July.
Allan, T. F., Christchurch, N.Z. Entrapping rabbits, &c.	7112	5 Sept.
Allen, G., Masterton, N.Z. Aërial torpedo	6756	6 April.
Allechin, A. F., and others, Ballarat W., Vic. Fasteners for leggings	7040	13 Aug.
Allechin, W. J., and others, Ballarat W., Vic. Fasteners for leggings	7040	13 Aug.
Altham, G. J., Swansea, Mass., U.S.A. Engine-governors	6843	15 May.
Altham, G. J., Swansea, Mass., U.S.A. Power-transmitting apparatus.. .. .	7290	27 Nov.
Ambler, A., N. Ipswich, Queensland. Washing wool, clothes, &c.	7090	25 Aug.
Anderson, A. H., and another, Christchurch, N.Z. Gorse-cutter attached to traction-engines	6871	25 May.
Anderson, F. W., Christchurch, N.Z. Clover-sheller	6882	30 May.
Anderson, G., Christchurch, N.Z. Switch for working points of rails	7199	11 Oct.
Anderson, J., Dunedin, N.Z. Ball-valve	6996	20 July.
Anderson, J., Dunedin, N.Z. Bottom-rim for cans, buckets, &c.	7267	12 Nov.
Anderson, J., jun., Manchester, Eng. Washing wool, &c.	6814	2 May.
Anderson, J. R., Ashurst, N.Z. Boot-fastener	7247	7 Nov.
Andrews, H. D., and another, Christchurch, N.Z. Treatment of ores and tailings	7295	26 Nov.
Andrews, J., and another, Coolgardie, W. Australia. Treatment of ores and tailings	7295	26 Nov.
Andrews, W., and another, Christchurch, N.Z. Seed-cleaning machines	6667	10 Feb.
Andrews, W., and others, Christchurch, N.Z. Combined grain-, clover-, and seed-threshing machinery	6754	4 April.
Andrews, W., and another, Christchurch, N.Z. Clover-threshing and -shelling machinery	6949	9 July.
Angus, W., Sydenham, N.Z. Pumps	6983	20 July.
Angus, W., Sydenham, N.Z. (See H. A. Atkinson, No. 7318.)		
Armitage, J., and others, N. Tonawanda, New York, U.S.A. Roundabouts	7351	27 Dec.
Armstrong, W., Wanganui, N.Z. Boiler-tube cleaner	7226	22 Oct.
Ashcroft, E. A., Broken Hill, N.S.W. Treating refractory ores	6914	20 June.
Ashley, W. A., and another, Invercargill, N.Z. Window-fastener	6835	10 May.
Atkin, E. R., Auckland, N.Z. Outside seats of 'buses	6728	17 March.
Atkin, E. R., Auckland, N.Z. Outside seats of 'buses	6729	17 March.
Atkin, E. R., Auckland, N.Z. Hind-seats of buggies, &c.	7134	11 Sept.
Atkinson, H. A., Christchurch, N.Z. Valve-seating for pumps. (W. Angus)	7318	8 Dec.
Auldjo, L. C., Sydney, N.S.W. Jointing metallic tubes	7041	13 Aug.
Auldjo, L. C., Sydney, N.S.W. Air- or gas-compressors	7042	13 Aug.
Austin, G. B. H., Camberwell, Vic. Velocipedes	7211	18 Oct.
Austin, H. A., and another, Narmbool, Elaine, Vic. Drain-cutting machine	7188	8 Oct.
Austin, R. H., Gore, N.Z. Hanging sashes	6681	24 Jan.
Austin, T. H., Dunedin, N.Z. Ball-valve	6962	11 July.
Avenarius, E. A. R., Gausalgesheim, Germany. (See O. A. Peters, No. 6731.)		
Bailey, E., Folkestone, Eng. Attaching animals to and detaching them from poles of vehicles	6676	16 Feb.
Bake, T. H. L., and another, Bayswater, Eng. Tanning skins and hides	7186	8 Oct.
Baker, W. J., and others, Scarborough, Eng. Separating grease, &c., from exhaust steam, and supplying feed-water to boilers	6982	18 July.
Balcombe, F. L., Ashburton, N.Z. Corset	7243	31 Oct.
Ball, R. T., Goulburn, N.S.W. Concentrating-machine	6766	14 April.
Baldwin, T. M., Dunedin, N.Z. Grading and concentrating gold-bearing wash	6793	24 April.
Barham, A. S., London, Eng. Estimating amount of fat in milk, &c. (R. W. Woosnam)	7213	17 Oct.
Barker, J. W., and another, Auckland, N.Z. Life-saving net and ladder	7302	28 Nov.
Barlow, J. L., Kilbirnie, Wellington, N.Z. Cistern-cock and high-pressure valve	6760	12 April.
Barnes, G., Invercargill, N.Z. Book-protector	6696	27 Feb.
Barningham, S., and others, Dunedin, N.Z. Range	6863	16 May.
Barron, E., Esmond Road, Middlesex, Eng. Tobacco-pipes	7312	6 Dec.
Barton, W. C., Meadowbank, N.S.W. Shares for ploughs, &c.	7176	4 Oct.
Bastings, W. F., Dunedin, N.Z. Removing wool from sheepskins	6881	28 May.
Batey, J. F., and another, Taitapu, Canterbury, N.Z. Milk-strainer, -cooler, and -aëratr	7002	26 July.
Bath, E., and another, Auckland, N.Z. Combined traverser and clinometer for surveyors	7300	28 Nov.
Bayldon, T. C., and another, Thames, N.Z. Diminution of surface-friction in floating bodies	6926	27 June.
Bayley, R., New Plymouth, N.Z. Making square links	7191	4 Oct.
Beamish, J. H., Auckland, N.Z. Window- or shopfront-shutters	7082	23 Aug.
Beaney, A., and others, Auckland, N.Z. Field-rollers	6693	27 Feb.
Beaney, A., and others, Auckland, N.Z. Field-rollers	6693	27 Feb.
Beaney, H., and others, Auckland, N.Z. Field-rollers	6693	27 Feb.
Beanovitch, M., Opotiki, N.Z. Horse-collars	6839	8 May.
Beanovitch, M., Opotiki, N.Z. Pack-saddle	6840	8 May.
Beer, J., Melbourne, Vic. Advertising and distributing the advertisements	6751	5 April.
Beer, J., Melbourne, Vic. Combined advertising booklet and envelope	6752	5 April.
Beard, A. W., N. Sydney, N.S.W. Fastening butter-box lids	7070	17 Aug.
Beaven, A. W., and another, Christchurch, N.Z. Seed-cleaning machines	6667	10 Feb.
Beaven, A. W., and others, Christchurch, N.Z. Combined grain-, clover-, and seed-threshing machinery	6754	4 April.
Beaven, A. W., and another, Christchurch, N.Z. Clover-threshing and -shelling machinery	6949	9 July.
Beckett, M. E. à. (See under A.)		
Beckwith, J. E., Christchurch, N.Z. Convertible tandem bicycle	7162	26 Sept.
Belk, J., and another, Feilding, N.Z. Joint for railway rails	6683	20 Feb.
Belk, J. A., Feilding, N.Z. Rolling-stock of railways, &c.	7016	31 July.
Belk, M., Palmerston N., N.Z. Brake for road vehicles	7227	25 Oct.
Bell, E., Ellerslie, Auckland, N.Z. Clutch suspender for garments	7314	4 Dec.
Bell, H., and another, St. Kilda, Vic. Roofing- and fencing-nails	7293	28 Nov.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS FOR THE YEAR 1894—continued.

Name, Residence, and Invention.	No.	Date.
Bement, F. G. (See E. J. Tobin, No. 6716.)		
Bennett, L., Auckland, N.Z. Advertising medium	6810	27 April.
Bennett, L., and another, Auckland, N.Z. Toy	6927	22 June.
Bennett, W., and another, Dungog, N.S.W. Method and apparatus for saving gold	7170	3 Oct.
Bentley, J. G., Balclutha, N.Z. Sheep ear-mark	6888	4 June.
Beswick, J. G., and another, Waiuku, Auckland, N.Z. Preparing kauri-gum and utilising kauri-gum dust	6611	11 Jan.
Beswick, J. G., and another, Waiuku, Auckland, N.Z. Preparing kauri-gum and utilising kauri-gum dust	6626	17 Jan.
Beswick, J. G., and another, Waiuku, Auckland, N.Z. Preparing kauri-gum	6649	2 Feb.
Bethell, C., Wellington, N.Z. Window-sashes	6727	19 March.
Billens, A., Christchurch, N.Z. Milking-pail	7251	7 Nov.
Billington, T., Three Kings, Auckland, N.Z. Discharging silt, &c., from punts, trucks, &c.	7219	19 Oct.
Binsted, J., Auckland, N.Z. Brake for road-vehicles	6689	21 Feb.
Birch, H., Caversham, N.Z. Attachment to reapers-and-binders	7335	20 Nov.
Birkin, W. A'C. G., Nottingham, Eng. Processes and solvents for separating precious metals from ores	6821	7 May.
Bish, G., Bombay, Auckland, N.Z. Harrows	6668	8 Feb.
Bishop, G., Fordell, Wanganui, N.Z. Ploughs	6906	18 June.
Bishop, H. A., and another, Auckland, N.Z. Dressing flax	6780	20 April.
Blacke, D. E., Invercargill, N.Z. Heat-economizer for steam-boilers	7172	29 Sept.
Blair, T. H., London, Eng. Manufacture of films for photographic purposes	7201	13 Oct.
Blanks, G. W., Sydney, N.S.W. Elevating and storing sea-water for use as a motive-power	7021	2 Aug.
Bodley, G., Wellington, N.Z. Water-tap	6690	26 Feb.
Boon, J. K., and another, Christchurch, N.Z. Tramcar life-guard	6790	20 April.
Booth, G. T., Sydenham, N.Z. Ploughs	6992	23 July.
Booth, G. T., and another, Christchurch, N.Z. Hedge-cutting machines	7003	27 July.
Boundy, J. H., Blenheim, N.Z. Automatic vote-recorder	6606	9 Jan.
Bowman, J. W., Christchurch, N.Z. Vamping-chart	6641	26 Jan.
Bowman, J. W., Christchurch, N.Z. Attachment to clothing on which to strike matches	7163	26 Sept.
Boyd, P., and another, Stirling, N.Z. Wire-strainer	7286	22 Nov.
Boyd, T., Christchurch, N.Z. Bicycles	6617	12 Jan.
Boyd, T., Christchurch, N.Z. Cycle-bearings	6919	22 June.
Boyd, T., Christchurch, N.Z. Cycle-bearings	7028	4 Aug.
Boyens, W. H., Kaikoura, N.Z. Cycles	6647	1 Feb.
Boyens, W. H., and another, Kaikoura, N.Z. Stirrups	7159	26 Sept.
Boyens, W. H., and another, Kaikoura, N.Z. Stirrup-bars	7182	8 Oct.
Boyens, W. H., Kaikoura, N.Z. Cycles	7203	15 Oct.
Boyens, W. H., and another, Kaikoura, N.Z. Printers' type-cases	7235	30 Oct.
Boyling, F., Sydney, N.S.W. (See E. J. Tobin, No. 6787.)		
Branson, C. B. M., Dunedin, N.Z. Heat-diffuser for grates, &c.	6628	16 Jan.
Bridgman, A. O., and another, Morningside, Otago, N.Z. Castor	7038	6 Aug.
Brigg, T. H., Bradford, Eng. Connecting animals to vehicles	6673	15 Feb.
Brigg, T. H., Bradford, Eng. Connecting animals to vehicles	6674	15 Feb.
Bristow, C., Marton, N.Z. Surveyor's adjustable centring-rod	6609	9 Jan.
Bristow, C., Marton, N.Z. Ventilating-fan	6746	3 April.
Bristow, C., Marton, N.Z. Harnessing horses to carriages	6859	18 May.
Brodrick, G. W., Invercargill, N.Z. Kerosene-tin holder	6905	12 June.
Brodrick, G. W., and others, Invercargill, N.Z. Machinery-belt fastener	6934	26 June.
Brodrick, G. W., and another, Invercargill, N.Z. Handles and levers for locks	6960	28 June.
Brokensha, J., Campbelltown, Otago, N.Z. Machinery-belt fastener	6688	19 Feb.
Brokensha, J., and others, Invercargill, N.Z. Machinery-belt fastener	6934	26 June.
Bromell, A. E. G., and others, Geelong, Vic. Boiler-tube- and pipe-cleaner	6909	19 June.
Brooker, E. H., Medbury, Canterbury, N.Z. Automatic voting-machine	7285	23 Nov.
Brougham, J. W., and another, Poolmacca, N.S.W. Vehicle wheels	6798	25 April.
Brown, D. A., Charters Towers, Queensland. Ore-roasting furnace	7222	22 Oct.
Brown, R., and others, Kaikoura, N.Z. Bronchial astringent	6980	20 July.
Browne, G. W., New Plymouth, N.Z. Bottle-stopper	7080	26 July.
Brownlee, G., Narracorte, S. Australia. Pin and clip for attaching poles to vehicles	7018	2 Aug.
Brünler, O., Euritzsch-Leipzig, Germany. Obtaining a compression in gas- and oil-engines	6600	4 Jan.
Buchan, J. E., Bendigo, Vic. Cuffs for shirt-sleeves	7106	6 Sept.
Burgon, C., and another, Malin Bridge, Sheffield, Eng. Shearing- and clipping-machines	6776	19 April.
Burgon, C., and another, Malin Bridge, Sheffield, Eng. Friction-gear for driving shearing-machines, &c.	6777	19 April.
Burgon, H., and another, Malin Bridge, Sheffield, Eng. Shearing- and clipping-machines	6776	19 April.
Burgon, H., and another, Malin Bridge, Sheffield, Eng. Friction-gear for driving shearing-machines, &c.	6777	19 April.
Burke, R., Eltham, N.Z. Lids of milk-cans, &c.	6828	7 May.
Burland, B., and others, Kaikoura, N.Z. Bronchial astringent	6980	20 July.
Burnard, T., Lyttelton, N.Z. Ventilator, specially for windows	7273	17 Nov.
Burroughs, W. S., St. Louis, U.S.A. (See E. Waters, No. 6732.)		
Burrows, T., and another, London, Eng. (See Fibre Machinery Company, Limited, Nos. 7152 and 7153.)		
Burslem, T., Masterton, N.Z. Machinery-belt fastener	7044	15 Aug.
Burton, R., Masterton, N.Z. Stumping-machine	7065	22 Aug.
Busek, A., Wellington, N.Z. Aërating, straining, and cooling milk	6908	18 June.
Büssing, C., and another, Gore, N.Z. Vehicle-lifting machines	6968	12 July.
Bust, W. B., Dunedin, N.Z. A game	6773	19 April.
Butler, W. J., Balmain, Sydney, N.S.W. Propelling and steering small boats	6702	1 March.
Butterworth Brothers, N.Z., Limited, Dunedin, N.Z. Cyclists' knitted knickers	7289	26 Nov.
Byers, C., Christchurch, N.Z. Making pie-shells	7004	27 July.
Cable, W., Wellington, N.Z. Cold-air machinery	6922	22 June.
Cairncross, D., and another, Tinwald, Canterbury, N.Z. Gorse-cutters attached to traction-engines	6871	25 May.
Callister, J., Matarawa, Wellington, N.Z. Milking-machines	6999	26 July.
Cameron, A., and another, Dunedin, N.Z. Anti-fouling paint	7011	26 July.
Campbell, C. H., and another, New York, U.S.A. Refining butter, lard, &c.	7241	2 Nov.
Campbell, J. H., and another, New York, U.S.A. Refining butter, lard, &c.	7241	2 Nov.
Campbell, M. S., Papanui, Canterbury, N.Z. Hanging and fastening gates for drafting-yards, &c.	6679	16 Feb.
Campbell, M. S., Papanui, Canterbury, N.Z. Silo	7179	5 Oct.

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Name, Residence and Invention.	No.	Date.
Carandini, V., Wellington, N.Z. Advertising portfolio tickets	6621	15 Jan.
Carder, J., Christchurch, N.Z. Whisk	7110	5 Sept.
Carlson, J. A., and others, Carlton, Vic. Machine for saving fine gold, &c.	7257	12 Nov.
Carson, A. A., Ashburton, N.Z. Kerosene-tank	6789	20 April.
Carter, J., and another, N. Sydney, N.S.W. Brake for railway vehicles	6972	18 July.
Caverhill, W. J., Auckland, N.Z. Stamping and branding frozen meat	6753	3 April.
Cerchi, L., Wellington, N.Z. Chain protector for cycles	6730	21 March.
Chapman, C. E., and another, Adelaide, S. Australia. Recovery of metals from ores	6748	4 April.
Chapman, C. J., and another, Dunedin, N.Z. Carrier for garden labels	7204	9 Oct.
Chapman, F. R., and another, Dunedin, N.Z. Carrier for garden labels	7204	9 Oct.
Chapman, J. A., and another, Dunedin, N.Z. Rabbit-poison	6817	28 April.
Chapman, J. A., and another, Dunedin, N.Z. Ascertaining amount of moisture in any substance	7010	26 July.
Chapman, W. P., Rangiora, N.Z. Baby fold	7124	7 Sept.
Chard, E. C., London, Eng. Scale weighing apparatus	6659	6 Feb.
Choate, P. C., New York, U.S.A. Preparing solutions carrying salts of zinc	6867	25 May.
Choate, P. C., New York, U.S.A. Producing metallic zinc	7063	18 Aug.
Christie, J., and another, Dunedin, N.Z. Disinfecter for closets, drains, &c.	6687	19 Feb.
Christie, J., and another, Dunedin, N.Z. Drain-traps	7136	12 Sept.
Christie, J., and another, Dunedin, N.Z. Kitchen-sinks	7166	28 Sept.
Christie, T., and another, Dunedin, N.Z. Drain-traps	7136	12 Sept.
Christie, T., and another, Dunedin, N.Z. Kitchen-sinks	7166	28 Sept.
Christie, T. R., and another, Dunedin, N.Z. Disinfecter for closets, drains, &c.	6687	19 Feb.
Christmas, J. J., Broken Hill, N.S.W. Treatment of ores	7084	27 Aug.
Clapham, H., Hawera, N.Z. Ship propeller	6664	10 Feb.
Clapham, L., Halcombe, N.Z. Toast-jack	6811	2 May.
Clapham, T. D., Ashurst, N.Z. Dressing flax	7037	11 Aug.
Clark, J., Gisborne, N.Z. Lung-worm cure and preventative	6644	26 Jan.
Clarkson, E. J., and another, Sydney, N.S.W. Machine sheep-shear	6989	23 July.
Clayforth, G., Dunedin, N.Z. Silicate insulator	7258	7 Nov.
Clegg, J., Christchurch, N.Z. Awning for perambulators, &c.	7233	27 Oct.
Clempson, E., Invercargill, N.Z. Steering-apparatus for steamships	7334	10 Dec.
Clifford, C. C., and another, Marrickville, N.S.W. Brake for railway vehicles	6972	18 July.
Climo, W., Sydney, N.S.W. Extracting silver, gold, and copper from ores	7045	11 Aug.
Climo, W., Sydney, N.S.W. Extracting gold from ores	7046	11 Aug.
Climo, W., Sydney, N.S.W. Extracting silver from ores	7047	11 Aug.
Coker, J. N., West Devonport, Tasmania. Potato-harvesters	7107	6 Sept.
Cockerell, R., Dunedin, N.Z. Horse-shoes	6738	30 March.
Cockerell, R., Dunedin, N.Z. Tree- and stump-extractor	6920	25 June.
Cockerell, R., Dunedin, N.Z. Combined drain-plough shares and mouldboards	6966	18 July.
Cockerell, R., Dunedin, N.Z. Combined eyeless adze and axe	7202	15 Oct.
Cockerell, R., Dunedin, N.Z. Cradle for gold-dredging, &c.	7333	17 Dec.
Cockerell, R., Dunedin, N.Z. Flexible picks for gold-dredging	7348	27 Dec.
Coghlan, R. T., Sydney, N.S.W. Washing and saving gold, tin, and gems	6976	19 July.
Cohen, A. and E., London, Eng. Incandescent gas-burners. (C. A. von Welsbach)	6765	14 April.
Cole, A., Palmerston N., N.Z. Levers	7205	16 Oct.
Collier, A. O., Manchester, Eng. Driving-mechanism for cycles	7288	26 Nov.
Collier, H., Wanganui, N.Z. Glove for washing-purposes	7098	3 Sept.
Colquhoun, J., Clevedon, Auckland, N.Z. Butter-printer	7218	18 Oct.
Compagnie Générale pour l'Exploitation des Machines à fabriquer les Cigares (Brevets J. Reuse), Société Anonyme, Brussels, Belgium. Machines for making cigars. (J. Reuse)	7237	30 Oct.
Condy, F., Sydney, N.S.W. Gold-saving machine. (R. B. Smith)	6971	18 July.
Cook, E., Hawthorne, Vic. Combined lock and safety drop-latch	6804	28 April.
Cook, T., Petone, N.Z. Stave-shaping machinery	7270	17 Nov.
Cook, W. G., Wellington, N.Z. Step-ladders	6803	2 May.
Cook, W. G., Wellington, N.Z. Washing-machine	6809	2 May.
Cooper, C. F., and another, Dalston, Eng. Disinfecting	6605	8 Jan.
Cooper, F., Christchurch, N.Z. (See P. and D. Duncan, Limited, No. 7024.)		
Cooze, C. J., Carterton, N.Z. Window-sashes	7164	28 Sept.
Copeland, J., Brunswick Line, Wanganui, N.Z. Cigarette or cigar	6642	29 Jan.
Copeland, J., Brunswick Line, Wanganui, N.Z. Cigarette- or cigar-grater	6643	29 Jan.
Copland, J. B., and another, Wellington, N.Z. Switchback railways	7115	7 Sept.
Copland, J. B., and another, Wellington, N.Z. Optical illusions	7161	27 Sept.
Cory, F. S., Invercargill, N.Z. Kerosene-tin bucket holder	6782	16 April.
Cory, F. S., Invercargill, N.Z. Tin holder	6937	27 June.
Cottrell, H. L., Invercargill, N.Z. Washing-machine	7064	13 Aug.
Coubrough, A., Dunedin, N.Z. Screw-propeller	7264	14 Nov.
Covey, J., Wellington, N.Z. Kerosene-pump	6856	18 May.
Cox, H. B., Hartford, U.S.A. Thermo-electric generators	6880	28 May.
Crabbe, J. B., Chatswood, N.S.W. Destroying parasitic life in cereals	7313	6 Dec.
Craggs, A. H., and others, Waterloo, N.S.W. Drying wool, skins, &c.,	6749	4 April.
Craggs, R. J., and others, Waterloo, N.S.W. Drying wool, skins, &c.,	6749	4 April.
Crawford, J., Wellington, N.Z. Race-starting machines	7327	13 Dec.
Crawford, W. W., Christchurch, N.Z. Heating, cooling, and mixing liquids	6858	17 May.
Crawley, J., Wanganui, N.Z. Wire-strainers	6703	6 March.
Crawley, J., Wanganui, N.Z. Wire-strainer	6707	8 March.
Crook, J., Auckland, N.Z. Bedstead	7208	13 Oct.
Crook, J., Auckland, N.Z. Wire-strainer	7266	13 Nov.
Crossley, A., Talywain, Monmouth, Eng. Manufacture of zinc oxides, sulphates, and sulphides	7352	27 Dec.
Crossley, W. G., Opua, Auckland, N.Z. Corrugated spring-steel tire	7322	6 Dec.
Crowe, W., and another, Whangarei, N.Z. Self-aërating flour	6650	30 Jan.
Croxford, C. L., Dunedin, N.Z. Water-heater for ranges	7058	13 Aug.
Crozier, W. R., and others, London, Eng. Extraction and preparation of fibre	6844	15 May.
Cruikshank, C. M., S. Invercargill, N.Z. Machinery-belt fastener	6627	15 Jan.
Cruikshank, A., jun., Waikaka Valley, N.Z. Ploughs	6655	30 Jan.
Cunninghame, A. D., Dunedin, N.Z. Plate-powder	6620	15 Jan.
Curtis, J., and others, Addington, N.Z. Dressing clover-seed	6946	5 July.
Cussen, A., Hamilton, N.Z. Carrying-attachment for umbrellas or walking-sticks	6759	11 April.

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Name, Residence, and Invention.	No.	Date.
Cussen, A., Hamilton, N.Z. Brooch-pin fastener	6866	23 May.
Cuthbert, E., Christchurch, N.Z. Gully-trap	6682	14 Feb.
Dalton, W., Stratford, N.Z. Bucket	6959	14 July.
Dalziel, J., Fernside, Canterbury, N.Z. Adjustable bearing	7221	20 Oct.
Dando, H. A., Lyttelton, N.Z. Hydro-electric indicator and alarm	7069	22 Aug.
Danks, T., Christchurch, N.Z. Windmills	6950	9 July.
Danks, T., Christchurch, N.Z. Siphon pumps	7173	2 Oct.
Danks, T., and another, Christchurch, N.Z. Aërating and cooling liquids	7320	7 Dec.
Dash, G., and another, Waimate, Canterbury, N.Z. Movable spring-cart shafts	6921	25 June.
Dash, J., and another, Waimate, Canterbury, N.Z. Movable spring-cart shafts	6921	25 June.
Davidson, T. W., Auckland, N.Z. Bicycle roundabout	7254	6 Nov.
Davies, J., S. Dunedin, N.Z. Churn	7034	7 Aug.
Davies, J., S. Dunedin, N.Z. Device for trueing-up motion-pins	7036	7 Aug.
Davies, M., Coromandel, N.Z. Marker for animals	6715	9 March.
Davis, F. H., Melbourne, Vic. Machine sheep-shears	7169	3 Oct.
Davis, F. H., Melbourne, Vic. Core-boring apparatus	7326	13 Dec.
Davis, H. F., and another, Wellington, N.Z. Rubbish-bin	6825	8 May.
Davis, S., Wellington, N.Z. Lubricant	6612	11 Jan.
Dawson, A., Mittagong, N.S.W. Candlesticks	6658	6 Feb.
Dawson, R. F., and another, Campbelltown, Invercargill, N.Z. Machine-belt fastener	7158	22 Sept.
Dawson, W. H., Balmain, N.S.W. Gold-saving machine	7091	31 Aug.
Dear, W., Wellington, N.Z. Building-construction	7052	15 Aug.
De Laval, C. G. P., Stockholm, Sweden. Milking apparatus	7294	28 Nov.
Dennison, T. C., Oamaru, N.Z. Cycles	6739	20 March.
Deverell, T. C., and others, Hawksburn, Vic. Race-starting machine	6870	25 May.
Diack, J., and another, Palmerston S., N.Z. Attachment to reapers-and-binders to prevent over-turning	7309	4 Dec.
Dinham, J. P., and another, S. Broken Hill, N.S.W. Vehicle-wheel	7077	23 Aug.
Dixon, H. (Dixon and Sons), Sydney, N.S.W. Crimping devices for cigarette-machines	6717	13 March.
Dixon and Sons. (See H. Dixon, No. 6717.)		
Doig, W., London, Eng. Vehicle-wheels	6785	21 April.
Donisthorpe, G. E., and another, London, Eng. (See Fibre Machinery Company, Limited; Nos. 7152 and 7153.)		
Doubleday, W., Kaiapoi, N.Z. Clover-sheller and seed-drawer	6939	30 June.
Doubleday, W., Kaiapoi, N.Z. Adjustable concave for conical clover-sheller	7192	9 Oct.
Douglas, D. A., Blenheim, N.Z. Ship-propellers	6616	13 Jan.
Douglas, D. A., Blenheim, N.Z. Spouting	6651	2 Feb.
Douglas, D. A., Blenheim, N.Z. Use of asbestos in buildings	6883	1 June.
Doulton, H., and another, Lambeth, Eng. Making metallic connections to vitreous substances	6625	17 Jan.
Dowell, A. P., N. Fitzroy, Vic. (See J. Maclellan, No. 6669.)		
Droeser, W., London, Eng. Mounting chair-bottoms, table-tops, &c.	6923	25 June.
Drummond, J., Kirwee, N.Z. Grubber-tooth	6857	18 May.
Drummond, J., and another, Danevirke, N.Z. Stump-extractor	6948	11 July.
Drummond, J., Danevirke, N.Z. Stump-extractor	7085	29 Aug.
Drummond, J., Danevirke, N.Z. Stump-extractor	7238	1 Nov.
Dryland, F., Christchurch, N.Z. Boots and shoes	6630	17 Jan.
Dudson, W. S., Carterton, N.Z. Vehicle-brake	6684	21 Feb.
Dudson, W. S., Carterton, N.Z. Wool-press	6801	26 April.
Dudson, W. S., Carterton, N.Z. Stump-extractor	6832	10 May.
Dudson, W. S., Carterton, N.Z. Stump-extractor	7030	8 Aug.
Dugins, J. A., and others, Evelyn, Vic. Machine for saving fine gold, &c.	7257	12 Nov.
Duly, W. A., and others, Hillgrove, N.S.W. Rocker ore-feeder	7349	27 Dec.
Dunbar, J., Invercargill, N.Z. Feeder for sowing-machines	7120	5 Sept.
Duncan, J., Adelaide, S. Australia. Fore-carriage of buggies, &c.	6910	19 June.
Duncan, J. H. H., London, Eng. Manufacture of butter	6671	13 Feb.
Duncan, P., Christchurch, N.Z. Force-feeder for manure-sowers	6614	11 Jan.
Duncan, P. and D. (Limited), Christchurch, N.Z. Ball-bearing plumber-block. (F. Cooper)	7024	1 Aug.
Duncan, P. and D. (Limited), Christchurch, N.Z. Cultivator (J. Keir)	7210	16 Oct.
Duncan, P. and D. (Limited), Christchurch, N.Z. Cultivator (J. Keir)	7346	21 Dec.
Duncan, W. H., Feilding, N.Z. Slide-valve	6796	25 April.
Dunn, D., Lincoln, N.Z. Automatic rocking-cradle	7216	18 Oct.
Earland, W. E., and another, Caversham Rise, Otago, N.Z. Castor	7038	6 Aug.
Edwards, H., and others, Sydney, N.S.W. Drying wool, skins, &c.	6749	4 April.
Elworthy, H. S., Stratford, Eng. Collection and purification of carbonic-acid gas given off during fermentation	6965	16 July.
Elworthy, H. S., Stratford, Eng. Aërating liquids with compressed gas, and bottling same	7130	13 Sept.
Elworthy, H. S., and others, Stratford, Eng. Cooling liquids	7183	8 Oct.
Elworthy, H. S., and others, Stratford, Eng. Automatic pressure-reducing valves	7184	8 Oct.
Elworthy, H. S., and others, Stratford, Eng. Regulating flow of compressed liquefiable gases to and from storage reservoirs	7185	8 Oct.
Entwistle, W. G., Wellington, N.Z. (See A. I. Littlejohn and P. Still, No. 7007.)		
Errington, W., and others, Melbourne, Vic. Race-starting machines	6870	25 May.
Evans, A., Gore, N.Z. Reversible concave for threshing-mills	7339	15 Dec.
Everden, R. E., North Coburg, Vic. Heating milk	6794	24 April.
Everett, J. D., Belfast, Ireland. Wheels for cycles, &c.	6784	21 April.
Fagan, D. W. O., and another, Whangarei, N.Z. Self-aërating flour	6650	30 Jan.
Fail, W. F. C., Dunedin, N.Z. Measuring and delivering materials	7283	20 Nov.
Fairweather, W., Blenheim, N.Z. Flax-scraping machine	7128	21 Sept.
Falconer, J., Invercargill, N.Z. Conductor-tube for sowing-machines	7307	1 Dec.
Fancourt, R. H., Waverley, N.S.W. (See M. Simmons, No. 7280.)		
Farm, W., and another, Melbourne, Vic. Lock-nut	7311	6 Dec.
Farmar, F. B., Wellington, N.Z. Butter-boxes	7116	8 Sept.
Farquhar, J. F. C., Parramatta, N.S.W. Saving metals, and concentrating and classifying ores	6915	20 June.
Featou, E. H., and another, Gisborne, N.Z. Automatic sheep-dipper	6666	9 Feb.
Fellowes, H. C., and others, London, Eng. Extraction and preparation of fibre	6844	15 May.
Ferguson, H., and others, Leytonstone, Eng. Extraction and preparation of fibre	6844	15 May.
Ferguson, J., Avondale, Auckland, N.Z. Weed-extractor	7114	7 Sept.
Ferguson, J., Avondale, Auckland, N.Z. Seed-sowing implements	7190	9 Oct.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS FOR THE YEAR 1894—*continued.*

Name, Residence, and Invention.	No.	Date.
Fergusson, M. W., Melbourne, Vic. Desk. (A. Mauchain)	6990	23 July.
Fibre Machinery Company (Limited), London, Eng. Breaking, scutching, and decortivating flax, &c. (G. E. Donisthorpe and T. Burrows)	7152	22 Sept.
Fibre Machinery Company (Limited), London, Eng. Scutching flax, &c. (G. E. Donisthorpe and T. Burrows)	7153	22 Sept.
Field, T. A. H., Wellington, N.Z. Milk-strainer	7249	7 Nov.
Firth, J. C., Auckland, N.Z. Drying pumice	6618	12 Jan.
Firth, J. C., Auckland, N.Z. Application of prepared pumice for insulation, sanitary purposes, &c.	7232	25 Oct.
Fisher, A. J., and another, Wanganui, N.Z. Pumice-soap	6964	13 July.
FitzGerald, C. D., Parnell, Auckland, N.Z. Tobacco-pipe	6615	8 Jan.
Fleming, C., Dunedin, N.Z. Ships' davits	7291	28 Nov.
Ford, A. S., Wanganui, N.Z. Steam-whistle for signalling, &c.	7354	27 Dec.
Ford, F., Wellington, N.Z. Milk-cooler	6997	25 July.
Fox, W. R. C., Wellington, N.Z. Ventilator for waterproof garments	7118	10 Sept.
Freeman, W. T., Invercargill, N.Z. Slate-pencil sharpener	7056	18 Aug.
Frith, E., Reigate, Eng. Covers for books, &c.	7148	21 Sept.
Fuchs, F. J., Christchurch, N.Z. Chiller for beer, &c.	7305	1 Dec.
Furlonge, F. A., Hawera, N.Z. Preparing and dressing flax	6724	15 March.
Furlonge, F. A., Hawera, N.Z. Preparing and dressing flax	6779	19 April.
Galbraith, G., and others, Kaikoura, N.Z. Bronchial astringent	6980	20 July.
Galt, J., and another, Mataura, N.Z. Drain-ploughs	7113	3 Sept.
Galt, J., and another, Mataura, N.Z. Drain-ploughs	7113	3 Sept.
Ganswindt, H., Schoeneberg, Germany. Supporting and bracing strips for aerial vehicles, propellers, &c.	6797	25 April.
Garrett, J. A., Thames, N.Z. Churn	7062	8 Aug.
Gee, W., Christchurch, N.Z. Venetian-blinds	7133	12 Sept.
Gell, E., and another, Wellington, N.Z. Letter-boxes	7200	13 Oct.
Gelly, J. C., Tanunda, S. Australia. Filling bottles and preparing and inserting corks	7225	22 Oct.
Gentles, H., and another, Auckland, N.Z. Saddles	6978	16 July.
Gibson, W., and others, Kaikoura, N.Z. Bronchial astringent	6980	20 July.
Giles, F., S. Yarra, Vic. Cooking-appliances	6930	28 June.
Glass, B. W., Belfast, Canterbury, N.Z. Wool-drying apparatus	7135	13 Sept.
Godecke, W., Wandong, Vic. Picket-heading machine	6898	11 June.
Godsiff, H., Manaroa, Marlborough, N.Z. Tanning flax or hemp	6699	3 March.
Godward, E. R., Invercargill, N.Z. Machinery-belt fastener	6985	19 July.
Gordon, A., Sydney, N.S.W. Utilising expansive force of gases for cooling, &c.	7054	15 Aug.
Gorrie, J., Stratford, N.Z. Measuring, unrolling, and re-rolling cloth, carpet, &c.	6783	21 April.
Gould, J. B., Wellington, N.Z. Wire-splicer	7140	19 Sept.
Goyder, A. W., and others, Hillgrove, N.S.W. Rocker ore-feeder	7349	27 Dec.
Grace, T., Darlington, N.S.W. Sheep-shearing machines	6977	19 July.
Grainger, M., Linwood, N.Z. Gear-case for cycles	6854	15 May.
Gray, A., Canterbury, N.S.W. Race-starting machines	6974	18 July.
Gray, J., Dunedin, N.Z. Manure-sower	7039	10 Aug.
Gray, J., Dunedin, N.Z. Plough shares	7061	14 Aug.
Greenslade, J., Prebbleton, Canterbury, N.Z. Combined grain and clover-seed threshing, shelling, and dressing machine	6638	25 Jan.
Greenslade, J., Prebbleton, Canterbury, N.Z. Totalisators, &c.	7271	15 Nov.
Greenslade, J., Prebbleton, Canterbury, N.Z. Combined grain and seed threshing, shelling, and dressing machines	7281	22 Nov.
Grigg, E. L., Dunedin, N.Z. Siphons	7139	14 Sept.
Grote, L., London, Eng. Manufacture of artificial stone, preservative paint, &c.	7089	30 Aug.
Gulleford, J. C. W., Christchurch, N.Z. Toe-stiffener for boots, &c.	7097	31 Aug.
Gwynne, J., Hammersmith, Eng. Dredging apparatus	6672	13 Feb.
Hakendorf, C. H., Port Augusta, S. Australia. (See C. Tucker, No. 7324.)		
Hallam, C., Dunedin, N.Z. Carriage-seats	6841	9 May.
Hannam, W. H., Sydney, N.S.W. Water-heaters	6823	7 May.
Hanneborg, O. B. H., Ulskou, Norway. Ditching and tile-laying machines	6813	2 May.
Hansen, A., Wellington, N.Z. Life-jacket	7275	19 Nov.
Hansmann, J. A., and another, Christchurch, N.Z. A composition to be used as yeast	7013	27 July.
Harman, W., and another, Dungog, N.S.W. Methods and apparatus for saving gold	7170	3 Oct.
Harper, J. H., Wanganui, N.Z. Flax-machines	6831	7 May.
Harriss, J. E., and another, Gisborne, N.Z. Automatic sheep-dipper	6666	9 Feb.
Harris, T., Oamaru, N.Z. Sheep feed-box	6924	18 June.
Harrod, W. H., Napier, N.Z. Belting and band clip	6850	16 May.
Harrow, E., Takapuna, Auckland, N.Z. Staple-extractor	6893	4 June.
Hartridge, W. B., Balham, Eng. Artificial-fuel blocks	6988	23 July.
Harvey, A., Auckland, N.Z. Preserve-can	6662	8 Feb.
Harvey, J., and another, Dunedin, N.Z. Wire-strainers	7105	6 Sept.
Haselden, W. R., and another, Wellington, N.Z. Joint for railway-rails	6683	20 Feb.
Haughton, R. S., Wellington, N.Z. Wire-strainer	7143	19 Sept.
Hausmann, G. P., Masterton, N.Z. Stumping-machine	7104	5 Sept.
Hay, W., Masterton, N.Z. Seed-cleaner	6770	18 April.
Hay, W., Masterton, N.Z. Winnowing and grass-seed-cleaning machine	6771	18 April.
Havcraft, J. H., Adelaide, S. Australia. Treatment of auriferous and argentiferous ores	7032	9 Aug.
Hayes, E., Rough Ridge, Otago, N.Z. Wire-tightener	7206	12 Oct.
Hecke, van. (See under V.)		
Helwitz, E. S., Melbourne, Vic. Waterproof garments	7250	8 Nov.
Hempstalk, J., Lyttelton, N.Z. Belt or band fastener	6718	12 March.
Henderson, D., and another, Thames, N.Z. Clog-boots	7093	25 Aug.
Henderson, H., and another, Thames, N.Z. Clog boots	7093	25 Aug.
Henderson, J., and another, Sandon, N.Z. Concrete fencing-post	6663	8 Feb.
Henderson, J. A., and another, Sandon, N.Z. Fencing-post	7057	15 Aug.
Henderson, T., Waverley, N.S.W. Steam-boiler	7006	28 July.
Henley, G., and another, Milawa, Vic. Watch-pockets of garments	7325	13 Dec.
Henley, J., sen., and another, Oxley, Vic. Watch-pockets of garments	7325	13 Dec.
Henton, J. M., Auckland, N.Z. Combined raft and deck chair	6872	26 May.
Hermite, E., and another, Dalston, Eng. Disinfecting	6605	8 Jan.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS FOR THE YEAR 1894—continued.

Name, Residence, and Invention.	No.	Date.
Herschell, A., and others, N. Tonawanda, U.S.A. Roundabouts	7351	27 Dec.
Herschell, G. C., and others, N. Tonawanda, U.S.A. Roundabouts	7351	27 Dec.
Herzog, A., Inglewood, N.Z. Sawdust furnace-box and feeding attachment for boilers ..	7096	6 Aug.
Hill, W. J., and others, Hillgrove, N.S.W. Rocker ore-feeder	7349	27 Dec.
Hilton, G. P., and another, Thames, N.Z. Diminution of surface friction in floating bodies ..	6926	27 June.
Hinrichs, W., Milwaukee, U.S.A. Crushing, pulverising, and mixing minerals, seeds, &c. (F. A. Wheeler)	7315	7 Dec.
Hinsch, C., Wellington, N.Z. Beverage	6610	11 Jan.
Hislop, A. B., and others, Wellington, N.Z. Advertising ruler	6706	8 March.
Holland, T. J., Tunbridge Wells, Eng. Decomposing chloride of sodium or potassium ..	7321	10 Dec.
Holliday, J., and another, Wellington, N.Z. Anti-fouling paint	7011	26 July.
Holloway, E. G., Wellington, N.Z. Marking carcasses, &c.	6781	20 April.
Holmes, A., Dunedin, N.Z. Landing-nets	6735	27 March.
Holroyd, A. G., and others, S. Melbourne, Vic. Concentrator and classifier	6601	4 Jan.
Hooker, B. H. H., Invercargill, N.Z. Combined reel and needle-case	6772	14 April.
Hopkirk, J., Shannon, N.Z. Hemp-dressing machine	6805	28 April.
Hormann, C. D., Waikiki, Otago, N.Z. Blight-destroyer	7338	13 Dec.
Horn, G. W., and another, Kuaotunu, Auckland, N.Z. Filtering-vat for ores, &c.	7154	15 Sept.
Hornsby, J., and others, Grantham, Eng. (See R. Hornsby and Sons, Limited, No. 7353.)		
Hornsby, and Sons (Limited), R., Grantham, Eng. Knotting mechanism for sheaf-binders and straw-trussers. (J. Hornsby, J. Innocent, I. Trolley, and J. H. Smith)	7353	27 Dec.
Horrocks, A., and others, Sydney, N.S.W. Drying wool, skins, &c.	6749	4 April.
Horvath, C. Méray-. (See under M.)		
Howlett, W. F., and another, Makaretu, Hawke's Bay, N.Z. Weighing apparatus	7083	27 Aug.
Hudson, G. E., and others, Scarborough, Eng. Separating grease, &c., from exhaust steam, and supplying feed-water to boilers	6982	18 July.
Hughes, E. and others, S. Melbourne, Vic. Concentrator and classifier	6601	4 Jan.
Hughes, H., and another, Wellington, N.Z. Collecting auriferous sand	6685	21 Feb.
Hunter, A. G., Kidston. (See under K.)		
Hunter, A. J., London, Eng. and Wellington, N.Z. Covering for driving-pulleys	6733	21 March.
Hurlstone, E., Wellington, N.Z. Fire-lighter	7234	29 Oct.
Hutton, R. W., Wellington, N.Z. Circular switchbacks	7194	11 Oct.
Innocent, J., and others, Grantham, Eng. (See R. Hornsby and Sons, Limited, No. 7353.)		
Isaacs, A. L., Dunedin, N.Z. Attachment to window to exclude insects, &c.	7103	31 Aug.
Jerger, J., Goulburn, N.S.W. Washing alluvial deposits to extract gold	6708	9 March.
Johnson, J. B., Te Aroha, N.Z. Milk-strainer, aerater, and cooler	7342	19 Dec.
Johnston, J., Invercargill, N.Z. Pillow-block	6851	11 May.
Jones, D., Auckland, N.Z. Milk-pail	6769	12 April.
Jones, E., Wayne's Town, Dunback, Otago, N.Z. Rabbit-trap	6834	8 May.
Jones, E. B., and another, Invercargill, N.Z. Window-fastener	6835	10 May.
Jones, J. W., Sumner, Canterbury, N.Z. Fire-grate	7072	21 Aug.
Jones, J. W., Sumner, Canterbury, N.Z. Necktie-fastener	7220	20 Oct.
Judell, M. W., Petersburg, S. Australia. Refrigerating cars	7197	11 Oct.
Karsten, J. C. M., Christchurch, N.Z. Boots, shoes, &c.	6818	2 May.
Karsten, J. C. M., Christchurch, N.Z. Boots, shoes, &c.	7005	26 July.
Kee, D. C., Pleasant Point, Canterbury, N.Z. Harrows	7279	21 Nov.
Keene, T., Birkenhead, Eng. Packing for piston-rods, &c.	6981	18 July.
Keiller, E., Bull's, N.Z. Wire-strainer	6895	6 June.
Keir, J., Ashburton, N.Z. (See P. and D. Duncan, Limited, Nos. 7210 and 7346.)		
Kemsley, G. V., and another, Wellington, N.Z. Drain-pipes	7099	3 Sept.
Kendall, E. D., Brooklyn, U.S.A. Treating gold and silver ores	6736	28 March.
Kennedy, K., Wellington, N.Z. Bot-fly destroying compound	6670	13 Feb.
Kenny, A. B. C., Wellington, N.Z. Apparatus for drawing compass-deviation curves	6952	13 July.
Kenny, A. B. C., Wellington, N.Z. Storm-compass	6953	13 July.
Kenny, A. B. C., Wellington, N.Z. Apparatus for correcting marine soundings	6954	13 July.
Kenny, A. B. C., Wellington, N.Z. Mechanical substitute for nautical traverse tables	6958	14 July.
Kenny, A. B. C., Wellington, N.Z. Lining for boats	7345	21 Dec.
Keyte, R., Whangarei, N.Z. Plug for water-tanks	7350	29 Dec.
Kidman, S., and another, Broken Hill, N.S.W. Vehicle wheel	7077	23 Aug.
Kidston-Hunter, A. G., Dunedin, N.Z. Deodorising and disinfecting, and manufacturing as a fertiliser, nightsoil, &c.	6819	3 May.
Kidston-Hunter, A. G., and another, Dunedin, N.Z. Kettles, &c.	6935	26 June.
Kilgour, J., Grey-mouth, N.Z. Berdan-drags, mullers, &c., used in amalgamating-pans, &c. ..	7067	18 Aug.
Kinniburgh, J. W., Wellington, N.Z. Ear-pieces of telephone receivers	6874	28 May.
Knight, C. A., and another, Glasgow, Scotland. Steam-boilers	7195	11 Oct.
Knight, J. F., Essendon, Vic. Gold-separator	6830	9 May.
Knight, J. I., and another, Auckland, N.Z. Saddle	6978	16 July.
Kofoed, J. T., Dunedin, N.Z. Ball-valves and straining-valves for bottling-machines	6902	11 June.
Krank, A., Taipale, Varkaus, Finland. Production of high-speed rotary motion	7261	13 Nov.
Kreissig, O. M., Wellington, N.Z. Preventing window-glass becoming "misty"	6853	17 May.
Krug, O., and another, Gore, N.Z. Vehicle-lifting machines	6968	12 July.
Lahey, J. W., and another, S. Brisbane, Queensland. Machine for making staves	7088	30 Aug.
Lahey, T. G., and another, S. Brisbane, Queensland. Machine for making staves	7088	30 Aug.
Lamont, N., Auckland, N.Z. Sofa-bed combination	6623	13 Jan.
Lane, H., and another, Birmingham, Eng. Producing carbonic-acid gas	6913	20 June.
Lane, H., and others, Birmingham, Eng. Cooling liquids	7183	8 Oct.
Lane, H., and others, Birmingham, Eng. Automatic pressure-reducing valves	7184	8 Oct.
Lane, H., and others, Birmingham, Eng. Regulating flow of compressed liquifiable gases to and from storage reservoirs	7185	8 Oct.
Langley, R. D., Brighton, S. Australia. Grinding and pulverising machine	7330	13 Dec.
Langstone, C. W., Greytown N., N.Z. Compound for destroying parasites in sheep, &c., and to be used as a tonic	6800	26 April.
Lanigan, E. P., Auckland, N.Z. Mode of binding rafts	7177	4 Oct.
Laurent, V. C., and others, Paris, France. (See Van Hecke's Fuel-Economizer Syndicate, Limited, No. 7196.)		
Laval, C. G. P. de. (See under D.)		
Lawrence, H. J., and others, Geelong, Vic. Boiler-tube- and pipe-cleaner	6909	19 June.
Laws, R. C., Napier, N.Z. Connecting hose-couplings to hose	6995	23 July.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS FOR THE YEAR 1894—*continued.*

Name, Residence, and Invention.	No.	Date.
Legg, A. W., Balclutha, N.Z. Furrow splitter	7181	8 Oct.
Leigh, J., Auckland, N.Z. Horse and cattle feed	7323	6 Dec.
Leman, A., Auckland, N.Z. Fire-lighter	6619	12 Jan.
Leman, A., Auckland, N.Z. Fire-lighter	6784	16 Mar.
Lenz, G. F. P., and another, Gawler, S. Australia. Crusher and pulveriser	7132	13 Sept.
Leverett, H. A., and another, London, Eng. Tanning skins and hides	7186	8 Oct.
Lichtwark, C. F., Normanby, Taranaki, N.Z. Harness	6634	23 Jan.
Light, A. H., Wellington, N.Z. Sewing-machine lamp-bracket	7292	28 Nov.
Little, D., West Melton, Canterbury, N.Z. Horse-clipping machine	6637	24 Jan.
Littlejohn, A. I., and another, Wellington, N.Z. Head for surveyors' instruments. (W. G. Entwistle)	7007	28 July.
Lochhead, J. A., and another, Melbourne, Vic. Extraction and recovery of cyanides from coal-gas	7193	11 Oct.
Lochhead, R., Dunedin, N.Z. Wringers and mangles	6631	17 Jan.
Lochhead, R., Dunedin, N.Z. Textile-fabric stretcher	6907	14 June.
Logie, F., Dunedin, N.Z. Life-line attachment to life-buoys and belts	7301	27 Nov.
Lones, J., and others, Smethwick, Eng. Primary voltaic batteries	7259	8 Nov.
Loudon, R., Balmain, N.S.W. Subdividing and imprinting butter	6861	19 May.
Louis, J., Auckland, N.Z. Ice-cream cake	7050	15 Aug.
Lowden, J., and another, Mataura, N.Z. Combined adze, hammer, and scoop	7068	22 Aug.
Lowden, J., Dunedin, N.Z. Detecting variations of temperature in bunkers, &c.	7125	6 Sept.
Ludlow, A. D., Napier, N.Z. Advertising writing-table and desk	7239	2 Nov.
Luick, F. W., and others, Thames, N.Z. Agitator, leaching-vat, and filter	6967	9 July.
Luick, F. W., and another, Thames, N.Z. Extracting gold and silver from ores	7094	23 Aug.
Luke, J. P., Wellington, N.Z. Locking lids of milk-cans, &c.	7043	14 Aug.
Luxford, W. L., and another, Palmerston North, N.Z. Racecourse register	6761	13 April.
Mail Horse-shoe Syndicate (Foreign Patents), Limited, London, Eng. Shoes for horses, &c. (M. E. Poupard)	7074	23 Aug.
Maleczek, E. F., and another, Broken Hill, N.S.W. Vehicle-wheels	6798	25 April.
Mander, G., Wellington, N.Z. Horse-shoe	6941	2 July.
Mantova, P. J., and another, Leichardt, N.S.W. Gold-saving machine	6940	2 July.
Maquay, S. W., Fulham, Eng. Primary batteries and their application to portable electric lamps	6654	5 Feb.
Marr, H. D. C., Stratford, N.Z. Ammonia or gas compressors	6865	23 May.
Marshall, E., Henfield, Eng. Fly-catchers	7242	2 Nov.
Marshall, G., and others, Windsor, Vic. Race-starting machines	6870	25 May.
Marshall, J., Springston, Canterbury, N.Z. Windmills	7252	7 Nov.
Marshall, R., Pahiatua, N.Z. Wire-fencing clip	7025	6 Aug.
Martin, J., and another, Christchurch. Gardening implement	7079	22 Aug.
Martin, M., and another, Wellington, N.Z. Dressmaking	7081	25 Aug.
Mason, D., and another, Dunedin, N.Z. Gold-saving machine	6963	12 July.
Mason, W. B., London, Eng. Vaporising apparatus	6846	15 May.
Mason, W. B., London, Eng. Composition for producing vapour for disinfecting, &c.	6947	15 May.
Matthews, R., Forest Hill, Kent, Eng. Manufacture of white-lead, &c.	7240	2 Nov.
Mauchain, A., Geneva, Switzerland. (See M. W. Fergusson, No. 6990.)		
Maw, J., and another, Mataura, N.Z. Combined adze, hammer, and scoop)	7068	22 Aug.
Mazure, E., Auldana, S. Australia. Corking-machines	6767	14 April.
Mence, L. W., Dunedin, N.Z. Photography	6855	15 May.
Méray-Horvath, C., Arad, Hungary. Producing type-matrices	6932	28 June.
Mergenthaler, O., Baltimore, U.S.A. (See E. Waters, No. 7001.)		
Merton, W., Hill End, N.S.W. Metal canisters and cases	7331	13 Dec.
Meyenberg, W. F., Ashburton, N.Z. Engine governor	7245	1 Nov.
Meyer, W. J., and another, Leichardt, N.S.W. Gold-saving machine	6940	2 July.
Middleton, J., St. Albans, Canterbury, N.Z. Tallying apparatus for double-bagger chaffcutters	6744	31 March.
Mitscherlich, P. J., Queenstown, N.Z. Sheep shears	6806	28 April.
Moderate, J., Cust, Canterbury, N.Z. Wool, &c., press	6955	13 July.
Moeller, J., Westminster, Eng. Manufacture of oil-gas	6768	14 April.
Moffett, J., and another, Invercargill, N.Z. Teacher and stand for bicycles	7207	13 Oct.
Moncrieff, R. W., Manchester, Eng. Paper-making machines	6933	28 June.
Montgomerie, J. C., Dalmore, Stair, Scotland. Extraction of gold and silver	6775	27 Oct., '93.*
Moonelis, A., New York, U.S.A. Cutting cigarette-wrappers from tobacco-leaves	7019	3 Aug.
Moonelis, A., New York, U.S.A. Cigarette-machines	7020	3 Aug.
Moore, J. W., Auckland, N.Z. Hair-dye	6677	12 Feb.
Morgan, J. A., Sydenham, N.Z. Life-saving and swimming belt	6969	16 July.
Morgan, J. A., and another, Sydenham, N.Z. Gardening implement	7079	22 Aug.
Morgan, T. H., Hawera, N.Z. Butter-mould	6629	19 Jan.
Morrell, S., and others, Ballarat W., Vic. Fasteners for leggings	7140	13 Aug.
Morris, T., Sawyers' Bay, Dunedin, N.Z. Healing lotion	6897	5 June.
Morrison, A., Dunedin, N.Z. Cheese-presses	7284	20 Nov.
Morriss, W. N., and another, Moonee Ponds, Vic. Feed-water heater and fuel-saver	6723	15 March.
Morrow, J., and another, Auckland, N.Z. Flax-dressing	6780	20 April.
Morton, J., Christchurch, N.Z. Station indicator	6938	28 June.
Motley Company, A. H. (See under A.)		
Murray, T., Wellington, N.Z. Kiln for burning bricks, &c.	7141	19 Sept.
Macalister, J., Invercargill, N.Z. Clip for attaching coulter-bars to drag-bars in sowing-machines, &c.	7121	5 Sept.
Macalister, J., Invercargill, N.Z. Manure-distributor	7122	5 Sept.
MacArthur, J. S., Pollokshields, Scotland. Precipitating precious metals from solutions	6987	23 July.
MacDonald, A., Taieri, N.Z. Preparing and dressing flax	6904	12 June.
MacDonald, A., Taieri, N.Z. Preparing and dressing flax	6944	28 June.
Macdonald, A. L., Brunswick, Wanganui, N.Z. Sheep-brand	6864	19 May.
Macdonald, A. L., Brunswick, Wanganui, N.Z. Ear-mark	6884	30 May.
Macdonald, R. M., Christchurch, N.Z. Tramcar-wheels	6714	10 March.
Macdonald, R. M., Christchurch, N.Z. Totalisators	6824	7 May.
Macdonald, R. M., Christchurch, N.Z. Switchbacks	6878	31 May.
Macdonald, R. M., Christchurch, N.Z. Totalisators	6928	27 June.
Macdonald, R. M., Christchurch, N.Z. Turnstiles	7071	20 Aug.
Macdonald, R. M., Christchurch, N.Z. Well-sinking	7126	6 Sept.
Macdonald, R. M., Christchurch, N.Z. Engine governor	7209	15 Oct.
Mackay, A. R., Marton, N.Z. Protecting stream- and river-banks	6929	27 June.
Mackey, W. T., East Hamilton, Canada. Tightening wheel-tires	6763	14 April.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS FOR THE YEAR 1894—continued.

Name, Residence, and Invention.	No.	Date.
Mackinnon, R., Kew, Invercargill, N.Z. Weed-eradicator	7248	1 Nov.
Mackintosh, J., Napier, N.Z. Boiler-fluid for removing and preventing incrustation	7265	14 Nov.
Macky, J. J., Auckland, N.Z. Straining milk, &c.	6791	20 April.
MacLellan, J., Collingwood, Vic. Clip for fastening stoppers in bottles, &c. (A. P. Dowell)	6669	12 Feb.
McBride, G., Auckland, N.Z. Advertising	6686	9 Feb.
McCormack, T., and others, Dunedin, N.Z. Range	6863	16 May.
McCoy, J. T., Kensington, Vic. Furnace-grates	6848	15 May.
McCrea, J. C., and another, Palmerston N. Clip for papers, &c.	7142	19 Sept.
McCulloch, G., and another, Broadford, Vic. Extraction and recovery of cyanides from coal-gas	7193	11 Oct.
McCullough, R. J., and another, Kaikoura, N.Z. Stirrups	7159	26 Sept.
McCullough, R. J., and another, Kaikoura, N.Z. Stirrup-bars	7182	8 Oct.
McDonald, F. J., and another, Invercargill, N.Z. Ditching and waterway plough	6862	14 May.
McDonald, H. E., and another, Invercargill, N.Z. Ditching and waterway plough	6862	14 May.
McGeoch, J. A., Melbourne, Vic. Ploughs	6704	7 March.
McGill, D., Petone, N.Z. Compressing air, &c.	6758	10 April.
McGill, E. S., Gore, N.Z. Wire-strainer	6802	23 April.
McGuire, W., and another, Auckland, N.Z. Life-saving net and ladder	7302	28 Nov.
McHattie, G., and another, Palmerston S., N.Z. Attachment to reapers-and-binders	7309	4 Dec.
McIvor, J. W., N. Invercargill, N.Z. Picnic billy-tray	7217	18 Oct.
McKay, D., Rangiora, N.Z. Milk-cooler	7189	5 Oct.
McKay, J., and another, Newmarket, Vic. Joint specially for connecting arms of stamper-battery wipers to bosses	6891	4 June.
McKenzie, D. H., Mahi, Bull's, N.Z. Racing or drafting animals	7310	6 Dec.
McKinnon, W., and another, Palmerston N., N.Z. Clip for letters, &c.	7142	19 Sept.
McLaren, D. B., and others, Christchurch, N.Z. Dressing seeds	6946	5 July.
McLaren, W. A., and others, Christchurch, N.Z. Grain-, clover-, and seed-threshing machinery	6754	4 April.
McLaughlin, W., Papatoitoti, Auckland, N.Z. Photographic race judge	7278	17 Nov.
McLean, D. D., Auckland, N.Z. Kindling fires	7276	20 Nov.
McLeod, A. M., Auckland, N.Z. Quartz-reducing machine	7048	13 Aug.
McLeod, H. N., Wellington, N.Z. Coating non-conducting substances with a film of electrically conducting substance	7165	1 Oct.
McMurray, J., Christchurch, N.Z. Easel	6837	12 May.
McPeake, J. W., and another, Thames, N.Z. Extracting gold and silver	7094	23 Aug.
Nankivell, W. J., Waikouaiti, N.Z. Wire-strainer	6740	30 March.
Nelson, C. P., Foxton, N.Z. Machine for clearing land	7277	20 Nov.
Nesbit, E. E., Adelaide, S. Australia. Intercepting slimes, and saving metals therein	6720	14 March.
Newall, J. W., Ongar, Eng. Grinding cutters and combs of shearing-machines	6822	7 May.
Newman, G. F., Rangitata, Canterbury, N.Z. Lubricant	6911	19 June.
Newton, J. R., Akaroa, N.Z. Wool-presses	6743	31 March.
Nicholas, J., Waterloo, Eng. Obtaining gold and silver from ores, &c.	6845	15 May.
Nicolson, D., Dunedin, N.Z. Wire mattress	6695	27 Feb.
Nicolson, D., Dunedin, N.Z. Wire-woven floor-cloths for kilns, &c.	6705	3 March.
Nicolson, D., Dunedin, N.Z. Wire-woven floor-cloths for kilns, &c.	6827	5 May.
Noakes, W. M., and another, Sydney, N.S.W. Machine sheep-shear	6989	23 July.
Noble, A., and another, Christchurch, N.Z. Billiard-cue	6945	5 July.
Nolan, P., Dunedin, N.Z. Appliance for deepening bars, &c.	7137	13 Sept.
Norton, G. J., Wellington, N.Z. Steering-gear for coxswainless boats	6680	19 Feb.
Nott, C. S., Melbourne, Vic. Shoes, slippers, &c.	6645	29 Jan.
Noy, E. M., and another, Wellington, N.Z. Dressmaking	7081	25 Aug.
Nugent, J. F., and another, Westminster, Eng. Electric lamps	6774	20 Nov. '93.
Nuttall, W. T., Danevirke, N.Z. Cooking-pot	7101	5 Sept.
Oates, N., Christchurch, N.Z. Ball bearing	7319	7 Dec.
O'Brien, J. H., Windsor, Vic. Washing-boards, &c.	6709	9 March.
O'Connell, E. T., and others, Dunedin, N.Z. Range	6863	16 May.
O'Donovan, R., Tarata, Taranaki, N.Z. Combined fencing-tool	6885	4 June.
Officer, W., Mount Talbot, Vic. Wire-strainer	6710	9 March.
Ogle, P. J., London, Eng. Wrappers, envelopes, &c.	6694	27 Feb.
O'Hara, H., and another, Melbourne, Vic. Arresting and extinguishing sparks, &c.	6795	24 April.
Oliver, J. W., Greenstreet, N.Z. Clover-threshing and -shelling machines	6998	23 July.
Orr, J., jun., Waitohi Flat, Canterbury, N.Z. Cycles	7180	5 Oct.
Osborne, J., Doyleston, Canterbury, N.Z. Sinking artesian wells	6602	4 Jan.
Osborne, J., Doyleston, Canterbury, N.Z. Sinking artesian wells	6604	6 Jan.
Osborne, J., Doyleston, Canterbury, N.Z. Combine threshing-machines	6792	20 April.
Osborne, W. E. C., Auckland, N.Z. Fiddle for adjusting blinds	7287	23 Nov.
O'Shea, P., and another, Wellington, N.Z. Knife-cleaner	7059	16 Aug.
Palamountain, R. A., and another, Invercargill, N.Z. Machine-belt fastener	7158	22 Sept.
Pallant, W. J., Palmerston North, N.Z. Seamless boot	6712	10 March.
Palmer, J., and another, Masterton, N.Z. Stump-extractor	6994	24 July.
Park, J., and others, Thames, N.Z. Agitator, leaching-vat, and filter	6967	9 July.
Park, J., and another, Thames, N.Z. Vat for filtering ores, &c.	7154	15 Sept.
Parkerson, W., Ormond, Auckland, N.Z. Sheep-drencher	6896	5 June.
Parsons, J. A., Kaikoura, N.Z. Vehicle-seats	6947	10 July.
Pattie, D. H., Blenheim, N.Z. Doors	6698	2 March.
Pattie, D. H., Blenheim, N.Z. Dressing flax	7228	23 Oct.
Patton, D., Mount Somers, Canterbury, N.Z. Wool-press	7023	2 Aug.
Payne, F. W., Dunedin, N.Z. Stud	6757	4 April.
Paynter, W., and another, Gawler, S. Australia. Crusher and pulveriser	7132	13 Sept.
Peache, A. E., Mount Somers, Canterbury, N.Z. Tipping hoppers	6624	15 Jan.
Pearson, W. E., Karori, Wellington, N.Z. Keeping butter, &c., cool	6660	6 Feb.
Pearson, W. E., Karori, Wellington, N.Z. Keeping butter, &c., cool	6661	6 Feb.
Pearson, W. H., and another, Dunedin, N.Z. Generating electricity	7282	13 Nov.
Peel, G., and others, Thames, N.Z. Agitator, leaching-vat, and filter	6967	9 July.
Peel, G., Thames, N.Z. Agitator, leaching-vat, and filter	7053	10 Sept.
Peers, E. C., and another, Wellington, N.Z. Switchbacks	7115	7 Sept.
Peers, E. C., and another, Wellington, N.Z. Optical illusions	7161	27 Sept.
Peez, O. K., Opawa, Christchurch, N.Z. Erratic circuit railway	7175	2 Oct.
Pellegrini, J. E., Barcelona, Spain. Manufacture of sugar	6691	26 Feb.
Percy, G., Wellington, N.Z. Bicycles, &c.	7060	15 Aug.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS FOR THE YEAR 1894—continued.

Name, Residence, and Invention.	No.	Date.
Percy, G., Wellington, N.Z. Ticket-delivering contrivance (H. H. Rayward)	7111	5 Sept.
Peters, C. A., London, Eng. Mould-boxes for artificial sandstone. (E. A. R. Arenarius) ..	6731	21 March.
Philpott, T. S., Kilbirnie, Wellington, N.Z. Horse-collar	6873	28 May.
Philpott, T. S., Kilbirnie, Wellington, N.Z. Horse-collar	7117	8 Sept.
Pike, C. F., Philadelphia, U.S.A. Washing, concentrating, and amalgamating ores ..	7344	20 Dec.
Pillans, W. S., Balclutha, N.Z. Sowing manure and seeds	7035	7 Aug.
Pillans, W. S., and another, Balclutha, N.Z. Wire-strainer	7286	22 Nov.
Pirrie, J. S., and others, S. Melbourne, Vic. Concentrator and classifier	6601	4 Jan.
Pitman, C. W., Ascot Vale, Vic. Sheep-shearing machine. (W. Wright)	7212	18 Oct.
Pledger, J. H., and another, Dunedin, N.Z. Kettles, &c.	6935	26 June.
Pomeroy, J., and another, Seville, Vic. Tree- and stump-extractor	7144	20 Sept.
Pontin, E., Williamstown, Vic. Butter-box. (G. Pontin)	7131	13 Sept.
Pontin, G., Williamstown, Vic. (See E. Pontin, No. 7131.)		
Poole, W. E., and others, Kew, Vic. Machine for saving fine gold	7257	12 Nov.
Poppelwell, S. G. A., Hastings, N.Z. Sheep and cattle drencher	6599	3 Jan.
Poppens, V. E., North Melbourne, Vic. Commode pails	7017	2 Aug.
Port, C. A., Riverton, N.Z. Combined boiler, steamer, and food-warmer	6975	14 July.
Porter, F. J., Auckland, N.Z. Pressing and ironing	7008	23 July.
Porter, J. H., and another, Wellington, N.Z. Knife-cleaner	7059	16 Aug.
Potts, E., Ashurst, N.Z. Candlestick	6737	30 March.
Potts, E., Ashurst, N.Z. Fire-lighter	6903	15 June.
Poupard, M. E., London, Eng. (See Mail Horse-shoe Syndicate (Foreign Patents), Limited, No. 7074.) ..		
Powell, R., Cleveland, U.S.A. Manufacture of nails, rivets, screw-blanks, &c.	6869	25 May.
Power, T., Sydney, N.S.W. Race-starting apparatus	6892	4 June.
Pratt, F., Sumner, Canterbury, N.Z. Counter fountains	7244	2 Nov.
Pratt, F., Sumner, Canterbury, N.Z. Aërating vessels used with counter fountains ..	7263	12 Nov.
Pratt, F., Sumner, Canterbury, N.Z. Counter fountains	7274	16 Nov.
Pratten, C., and another, Ultimo, Sydney, N.S.W. Operating and locking sliding-doors, &c. ..	6692	27 Feb.
Prentice, A. C., Masterton, N.Z. Stump-extractor	6807	1 May.
Pritchett, P. H., Kanieri, N.Z. Bicycles	6979	4 July.
Pritchett, P. H., Kanieri, N.Z. Cycles	7014	31 July.
Procter, J. R., Christchurch, N.Z. Card for obscuring the vision when sight-testing ..	6912	19 June.
Pruden, A., Foxton, N.Z. Lamp-wick	7127	11 Sept.
Pullman, J., and another, London, Eng. Producing carbonic-acid gas	6913	20 June.
Pullman, J., and others, London, Eng. Cooling liquids	7183	8 Oct.
Pullman, J., and others, London, Eng. Automatic pressure-reducing valves	7184	8 Oct.
Pullman, J., and others, London, Eng. Regulating flow of compressed liquefiable gases to and from storage reservoirs	7185	8 Oct.
Purser, E., Blenheim, N.Z. Making briquettes from ironsand	6860	19 May.
Quertier, H., Invercargill, N.Z. Seed-distributor	6816	30 April.
Ransom, T. P., Blenheim, N.Z. Rabbit-poison	6918	22 June.
Rawson, E., Wellington, N.Z. Plant-protector	6635	23 Jan.
Rayward, H. H., Christchurch, N.Z. (See G. Percy, No. 7111.)		
Reeve, D'A. W., N. Sydney, N.S.W. Brake-valves. (Soulerin)	6799	25 April.
Reeves, W., Masterton, N.Z. Vehicle-brakes	6711	10 March.
Reid, J., Auckland, N.Z. Rowing-scuil	6762	11 April.
Reid, N., and another, Wellington, N.Z. Painting cans, drums, &c.	7223	22 Oct.
Renner, G., and another, Kaikoura, N.Z. Printers' type-cases	7235	30 Oct.
Reuse, J., Englien, Belgium. (See Compagnie Générale pour l'Exploitation des Machines à fabriquer les Cigares (Brevets J. Rouse), Société Anonyme, No. 7237.)		
Richards, J., Richmond, Canterbury, N.Z. Weight-bar for hoofs of trotting-horses ..	6603	4 Jan.
Richardson, A. W. A., Owaka, Otago, N.Z. Straining and joining wires	7160	22 Sept.
Richardson, E., jun., Albury, Timaru, N.Z. Fertiliser	6648	1 Feb.
Richardson, E., jun., Albury, Timaru, N.Z. Determining whether wool, &c., are wet or dry ..	6742	30 March.
Richardson, E., jun., Albury, Timaru, N.Z. Fertiliser	7272	19 Nov.
Richardson, G. J. A., and others, Invercargill, N.Z. Machine-belt fastener	6934	26 June.
Richardson, G. J. A., and another, Invercargill, N.Z. Handles and levers for locks ..	6960	28 June.
Richardson, G. J. A., Invercargill, N.Z. Mortise-locks	6986	19 July.
Richardson, G. J. A., and another, Invercargill, N.Z. Teacher and stand for bicycles ..	7207	13 Oct.
Richardson, J. P., Christchurch, N.Z. Finger for reapers	6838	14 May.
Rigby, E. J., and others, South Melbourne, Vic. Concentrator and classifier	6601	4 Jan.
Robbie, J. B., New Plymouth, N.Z. Weatherboards	7269	13 Nov.
Roberts, W., and another, Sydney, N.S.W. Extraction of free gold	6815	2 May.
Roberts, W. F., and another, Sydney, N.S.W. Extraction of free gold	6815	2 May.
Robison, W. C., and another, Makaretu, Hawke's Bay, N.Z. Weighing-apparatus	7083	27 Aug.
Roget, E., Onehunga, N.Z. Medicinal iron water	6833	11 May.
Ross, J., Wellington, N.Z. Marking tobacco. (A. H. Motley and Co.)	7253	8 Nov.
Ross, W., Invercargill, N.Z. Dressing flax	6879	31 May.
Rowcliffe, F., Levenshulme, Eng. Woven-wire mattresses	6917	22 June.
Royds, C. J., St. Bathans, N.Z. Horse-collars and saddles	6803	27 April.
Russ, N. W., Kew, Eng. Draught-preventing apparatus	6657	5 Feb.
Ryding, F., Melbourne, Vic. Fastening for leggings	7109	6 Sept.
Samuelson, E., Banbury, Eng. Harvesters	7187	8 Oct.
Sanderson, G., and others, Scarborough, Eng. Purifying exhaust steam and supplying feed-water to boilers	6982	18 July.
Scales, C., Bull's, N.Z. Wool-presses	7214	19 Oct.
Seatts, R. W., Auckland, N.Z. Boot-uppers	7255	3 Nov.
Scherding, E., and others, Paris, France. (See Van Hecke's Fuel Economizer Syndicate, Limited, No. 7196.)		
Schwab, J. F. T. (Van Hecke), and others, Paris, France. (See Van Hecke's Fuel Economizer Syndicate, Limited, No. 7196.)		
Schwarz, A. W., Leipzig-Plagwitz, Germany. Blasting	6868	25 May.
Scott, J., Hughenden, Queensland, N.Z. Dump-cylinder and pump-shaft saver	6722	14 March.
Scott, J. B., Malvern, Vic. Race-starting contrivances	6675	15 Feb.
Scouler, J. D., Armidale, N.S.W. Sheep-shearing machines	6936	30 June.
Scoullar, A., Wellington, N.Z. Brake for railway and tramway vehicles	7029	8 Aug.
Seagar, E., Wellington, N.Z. Antimony cruding-furnace	6876	29 May.
Seebeck, C. A., and another, Sydney, N.S.W. Rotary engine	6852	16 May.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS FOR THE YEAR 1894—continued.

Name, Residence, and Invention.	No.	Date.
Sellar, R. J. D., Bobundara, Cooma, N.S.W. Wash-away flood-gate	7015	31 July.
Seymour, D. T., Brisbane, Queensland. Adjusting sashes in cars, &c.	6786	21 April.
Shann, M. H. C., Brisbane, Queensland. Water-tube boilers	6656	12 July, '93.*
Shannon, H. G., Umataoora, Hawke's Bay, N.Z. Stumper and logger	6984	23 July.
Shaw, T. T., Wooriwyrite, Vic. Gate actuating apparatus	7168	3 Oct.
Sheffield, E. D. T., and another, London, Eng. Local and medical dry-bath	7149	21 Sept.
Shekleton, R. E. K., Geelong, Vic. Arithmometer	6778	19 April.
Shelley, R. M., London, Eng. Combination garments	6875	28 May.
Shelmerdine, W. W., and another, Dunedin, N.Z. Rabbit-poison	6817	28 April.
Shelmerdine, W. W., and another, Dunedin, N.Z. Ascertaining amount of moisture in any substance	7010	26 July.
Shepherd, H. F., Maitauro, N.Z. Legging-fastener	7022	31 July.
Sheppard, J., Waitaki, Otago, N.Z. Machine-belt fastener	7174	1 Oct.
Sherer, F. G., Auckland, N.Z. Washing-machine	6665	8 Feb.
Shiels, A., Glasgow, Scotland. Milking-machines	6750	5 April.
Shiels, A., Glasgow, Scotland. Thermostats	6973	18 July.
Shotlander, H., and another, Christchurch, N.Z. Tray for packing fruit	6613	10 Jan.
Shulz, L., and another, Christchurch, N.Z. Composition to be used as yeast	7013	27 July.
Sides, F. E., and another, Mt. Mercer, Vic. Drain-cutting machine	7188	8 Oct.
Silk, T., Wellington, N.Z. Fumigating apparatus	7231	24 Oct.
Simmons, M., Sydney, N.S.W. Pocket-case for cigarettes, &c. (R. H. Fancourt)	7280	22 Nov.
Simpkin, J., sen., Mititai, Auckland, N.Z. Wire-strainer	6894	4 June.
Sincock, E. R., Dunedin, N.Z. Candle-holders	7336	13 Dec.
Slater, J., and another, Burslem, Eng. Making metallic connections to vitreous substances	6625	17 Jan.
Slater, J., and others, Wellington, N.Z. Advertising-ruler	6706	8 March.
Smith, D., and another, South Yarra, Vic. Potato-digger and separator	7087	30 Aug.
Smith, D. E., and another, Masterton, N.Z. Stump-extractor	6994	24 July.
Smith, F., and another, Sydney, N.S.W. Rotary engine	6852	16 May.
Smith, G., and others, Hillgrove, N.S.W. Rocker ore-feeder	7349	27 Dec.
Smith, J., and another, North Sydney, N.S.W. Operating and locking sliding doors, &c.	6692	27 Feb.
Smith, J. H., and others, Grantham, Eng. (See R. Hornsby and Sons (Limited), No. 7353.)		
Smith, M., Southbrook, Canterbury, N.Z. Ploughs	7230	23 Oct.
Smith, M., Whangarei, N.Z. Soap	7256	10 Nov.
Smith, P. G., New Plymouth, N.Z. Preventing rain blowing under doors	6886	4 June.
Smith, R. B., Waverley, N.S.W. (See F. Condy, No. 6971.)		
Smith, R. H., and another, South Yarra, Vic. Feed-water heater and fuel-saver	6723	15 March.
Smith, T. A., Baltimore, U.S.A. Fibre-cleaning machines	6890	29 May.
Smith, T. H., Maketu, Auckland, N.Z. Flax-dressing	7304	3 Dec.
Smith, W. H., Invercargill, N.Z. Sheep-hurdle	6608	5 Jan.
Smith, W. S., and another, Bradford, Eng. Electric lamps	6774	20 Nov., '93.*
Soltan, H., and another, Christchurch, N.Z. Tray for packing fruit	6613	10 Jan.
Sommerville, W. W., Dunedin, N.Z. Surgical truss	6842	10 May.
Sorley, J., Feilding, N.Z. Bottle-stopper	6622	16 Jan.
Soulerin, —, of —, France. (See D'A. W. Reeve, No. 6799.)		
Spinley, J. C., Devonport, Auckland, N.Z. Heating and ventilating apparatus	6725	14 March.
Sprey, E., St. Bathans, Otago, N.Z. Whiffletree	6639	25 Jan.
Sprey, E., St. Bathans, Otago, N.Z. Self-oiling axles	6640	25 Jan.
Sprey, E., St. Bathans, Otago, N.Z. Trap	7138	14 Sept.
Sprey, E., St. Bathans, Otago, N.Z. Securing chains, specially for harness	7340	17 Dec.
Squire, G., and another, St. Andrew's, Canterbury, N.Z. Foot-rot cure	6889	4 June.
Squire, J., London, Eng. Cooling and salting large masses of meat	7009	2 Aug.
Squire, M., and another, St. Andrew's, Canterbury, N.Z. Foot-rot cure	6889	4 June.
Stackhouse, T. H., Philadelphia, U.S.A. Printing from stencils	6700	5 March.
Stead, G. G., and others, Christchurch, N.Z. Dressing seeds, &c.	6946	5 July.
Stevens, W. J., and another, Christchurch, N.Z. Tramcar life-guard	6790	20 April.
Stevenson, T., Dunedin, N.Z. Hydraulic elevators	6741	30 March.
Still, P., and another, Wellington, N.Z. Head for surveyors' instruments. (W. G. Entwistle)	7007	28 July.
Storey, C. F., Maungatautari, Auckland, N.Z. Portable wheel-tires	6636	23 Jan.
Storrie, A., Invercargill, N.Z. Feed-regulating roller for sowing-machines	7119	5 Sept.
Storrie, A., Invercargill, N.Z. Speed device for regulating quantities of material delivered by sowing-machines	7123	5 Sept.
Stuckey, F. J., Levin, Wellington, N.Z. Machinery for tunneling, boring, and the like	7316	8 Dec.
Sturmer, S. N. von. (See under V.)		
Suckling, J., Christchurch, N.Z. Boots, shoes, &c.	7102	1 Sept.
Sulman, H. L., London, Eng. Treatment of precious ores	6820	7 May.
Sulman, H. L., London, Eng. Treatment of ores	6970	18 July.
Sulman, H. L., and another, London, Eng. Extraction of precious metals	7328	13 Dec.
Surplice, A. A., and another, North Melbourne, Vic. Lock-nut	7311	6 Dec.
Sutherland, A., Te Houka, Balclutha, N.Z. Wire-strainer	7303	3 Dec.
Suttie, A., and another, Wellington, N.Z. Rubbish-bin	6825	8 May.
Swale, R., sen., Limehills, Otago, N.Z. Turnip-thinner	7308	3 Dec.
Swinerton, J., Christchurch, N.Z. Rocking-horse	6755	5 April.
Tait, A. L. J., Dunedin, N.Z. Making butter, cheese, &c.	6849	11 May.
Tait, A. L. J., Dunedin, N.Z. Washing and drying currants, &c., and beating eggs	7092	28 Aug.
Tait, A. L. J., Dunedin, N.Z. Churn	7215	16 Oct.
Tait, A. L. J., and another, Dunedin, N.Z. Generating electricity	7282	13 Nov.
Tait, A. L. J., Dunedin, N.Z. Lighting lamps, gas, &c.	7317	6 Dec.
Tallerman, L. A., and another, London, Eng. Local and medical dry-bath	7149	21 Sept.
Tarran, F., and another, Mitcham, Vic. Tree- and stump-extractor	7144	20 Sept.
Tarrant, W., Petersham, N.S.W. Concentrator, usable as an amalgamator	7108	6 Sept.
Taylor, A., and another, Papanui, Canterbury, N.Z. Billiard-cue	6945	5 July.
Taylor, J. E., Mangere, Auckland, N.Z. Utilising ebb and flow of tide for motive-power	6788	17 April.
Taylor, J. J., Wellington, N.Z. Attaching handles to buckets, &c.	6877	30 May.
Taylor, T. E., Sydenham, N.Z. Candlestick	7055	13 Aug.
Teare, J. C., and another, Melbourne, Vic. Joint, specially for connecting arms of stamper-battery wipers to bosses	6891	4 June.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS FOR THE YEAR 1894—continued.

Name, Residence, and Invention.	No.	Date.
Teare, J. C., and others, Melbourne, Vic. Boiler-tube and -pipe cleaner	6909	19 June.
Teed, F. L., and another, London, Eng. Extraction of precious metals	7328	13 Dec.
Tellefsen, G., and another, Wellington, N.Z. Collecting auriferous sand	6685	21 Feb.
Thode, G. W., and another, Glasgow, Scotland. Steam-boilers	7195	11 Oct.
Thomson, E., Swampscott, U.S.A. Electric arc lamps	7086	31 Aug.
Thomson, H., Kew, Vic. Street-hydrants	6653	5 Feb.
Thomson, P., Feilding, N.Z. Milk aëerator and -cooler	7151	22 Sept.
Thomson, T. A., and another, Moreland, Vic. Roofing- and fencing-nails	7293	28 Nov.
Tiffen, G. W., Makaraka, Auckland, N.Z. Wire-tightener	6993	20 July.
Tilley, T. H., and another, Essendon, Vic. Potato-digger and -separator	7087	30 Aug.
Tinline, W., and another, Danevirke, N.Z. Stump-extractor	6948	11 July.
Tobin, E. J., Sydney, N.S.W. Actinic prints. (F. G. Bement)	6716	13 March.
Tobin, E. J., Sydney, N.S.W. Telescopic fire-grate. (F. Boyling)	6787	21 April.
Toogood, W., Featherston, N.Z. Fibre-scutching and -dressing	6899	12 June.
Train, J., Melbourne, Vic. Panoramic scenes	6713	10 March.
Tranter, J., Christchurch, N.Z. Medical battery	6836	10 May.
Trench, R. le P., Orange, N.S.W. Sulkies, &c.	7147	21 Sept.
Trendall, E. A., Auckland, N.Z. Mud-guards for cycles	7051	15 Aug.
Trengrove, W. H., and another, Christchurch, N.Z. Ball-bearing	7156	24 Sept.
Trevor, S., and another, Waiuku, Auckland, N.Z. Preparing kauri-gum, &c.	6611	11 Jan.
Trevor, S., and another, Waiuku, Auckland, N.Z. Preparing kauri-gum, &c.	6626	17 Jan.
Trevor, S., and another, Waiuku, Auckland, N.Z. Preparing kauri-gum	6649	2 Feb.
Trolley, I., and others, Grantham, Eng. (See R. Hornsby and Sons, Limited, No. 7353.)		
Troup, G. A., Wellington, N.Z. Nut specially for fangbolts	7100	5 Sept.
Troup, J., Christchurch, N.Z. Tap for kerosene-tins, &c.	7298	27 Nov.
Troutbeck, W., Stawell, Vic. Rock-drills	7224	22 Oct.
Truebridge, A. H., Wellington, N.Z. Fire-kindler	7083	10 Aug.
Tucker, C. N. Adelaide, S. Australia. Issuing tickets. (C. H. Hakendorf)	7324	13 Dec.
Tucker, G., Auckland, N.Z. Churn	6701	1 March
Tucker, G., Auckland, N.Z. Stand for boots, &c.	7095	29 Aug.
Tudehope, R., Thames, N.Z. Dust-catcher for stamper batteries	7027	9 Aug.
Tupper, E. du S., Birmingham, Eng. Advertising	6931	28 June.
Turnbull, A. H., and another, Wellington, N.Z. Painting cans, &c.	7223	22 Oct.
Turnbull, T. O., Kawhia, N.Z. Sheep-shearing machine	6745	3 April.
Turnbull, W., Wellington, N.Z. Window-sashes	6956	13 July.
Turney, F. N., Nottingham, Eng. Scouring, degreasing, and cleansing wool	6764	14 April.
Twyford, T. W., Hanley, Eng. Joints of water-closets, &c.	7129	13 Sept.
Tytherleigh, H., Wellington, N.Z. Key-plate for retaining nuts on bolts	6826	9 May.
Van Hecke. (See J. F. T. Schwalb, No. 7196.)		
Van Hecke's Fuel Economizer Syndicate (Limited), London, Eng. Regulating flow of heated gases in steam-boilers. (V. C. Laurent, J. F. T. Schwalb (Van Hecke), and E. Scherding)	7196	11 Oct.
Varley, M., Wellington, N.Z. Aërating and cooling milk and cream	7178	6 Oct.
Varley, R., Wellington, N.Z. Straining, aërating, and cooling milk and cream	6951	13 July.
Vaughan, J., South Yarra, Vic. Lock-nut	6916	20 June.
Voice, J., Templeton, Canterbury, N.Z. Twitch-harrow	7341	18 Dec.
Von Sturmer, S. N., and another, Wellington, N.Z. Letter-boxes	7200	13 Oct.
Von Welsbach, C. A., Vienna, Austria. (See A. and E. Cohen, No. 6765.)		
Vorbach, J., Renwicktown, Marlborough, N.Z. Potato-digger	6925	20 June.
Vorbach, J., Renwicktown, Marlborough, N.Z. Chain	6957	13 July.
Wakeman, E. A., and another, Wellington, N.Z. Plant-protector	7246	7 Nov.
Wakeman, H., Wellington, N.Z. Soldering-iron	6942	3 July.
Wakeman, H., and another, Wellington, N.Z. Plant-protector	7246	7 Nov.
Walkden, C., Christchurch. Road-cleaning machine	6719	12 March.
Walker, A. K., Auckland, N.Z. Water- and bath-heater	7260	13 Nov.
Walker, E., and another, Sandon, N.Z. Concrete fencing-post	6663	8 Feb.
Walker, E., and another, Sandon, N.Z. Fencing-post	7057	15 Aug.
Walker, F., and another, Parnell, Auckland, N.Z. Preparing kauri-gum	7049	13 Aug.
Walker, J. A., Kuaotunu, Auckland, N.Z. Extracting gold and silver	7337	17 Dec.
Walker, J. H., Christchurch, N.Z. Supplying water to boilers	7297	27 Nov.
Walker, J. T., Wanganui, N.Z. Wire-strainers	6646	29 Jan.
Walker, J. T., Wanganui, N.Z. Wire-strainers	6726	16 March.
Walker, T., Christchurch, N.Z. Sulky	7268	13 Nov.
Walker, W., jun., and others, Birmingham, Eng. Primary voltaic batteries	7259	8 Nov.
Wallace, J. A., and another, Melbourne, Vic. Arresting and extinguishing sparks, &c.	6795	24 April.
Wallace, J. A., and another, Melbourne, Vic. Lighting and extinguishing gas-lamps	7329	13 Dec.
Wallis, B., Dunedin, N.Z. Coffins	6901	6 June.
Walton, F., London, Eng. Manufacture of mosaic floor-cloth	7296	28 Nov.
Walworth, G., Tahuroa, Auckland, N.Z. Cow-bail	7171	3 Oct.
Warburton, G. E., Timaru, N.Z. Tonic	7236	25 Oct.
Ward, J. P., Auckland, N.Z. Filling for surface of wood	6943	4 July.
Ward, W., and another, Dunedin, N.Z. Wire-strainers	7105	6 Sept.
Warnock, J., Nelson, N.Z. Head-line machine for schools, &c.	7145	19 Sept.
Watson, D., Methven, Canterbury, N.Z. Twitch-grubber	7306	1 Dec.
Watson, W. H., St. Albans, Canterbury, N.Z. Combined clothes-horse, hat-rack, and umbrella-stand	7155	24 Sept.
Waters, E., Melbourne, Vic. Calculating-machines. (W. S. Burroughs)	6732	21 March.
Waters, E., Melbourne, Vic. Engines. (C. C. Worthington)	7000	26 July.
Waters, E., Melbourne, Vic. Producing linotypes, &c. (O. Mergenthaler)	7001	26 July.
Webber, J., Cambridge, Auckland, N.Z. Wheel-lifting jack	7167	28 Sept.
Webster, J. R., Summerhill, Canterbury, N.Z. Ploughs	7229	22 Oct.
Weeden, W. J., Sydney, N.S.W. Electrical apparatus for treating ores	7150	21 Sept.
Weingott, H., and another, Sydney, N.S.W. Waterproof garments	7078	23 Aug.
Weingott, S., jun., and another, Sydney, N.S.W. Waterproof garments	7078	23 Aug.
Welsbach, C. A. von. (See under V.)		
Welsby, J., Wellington, N.Z. Elevators	6607	9 Jan.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS FOR THE YEAR 1894—*continued.*

Name, Residence, and Invention.	No.	Date.
West, J. B., Rochester, New York, U.S.A. Machines for setting tires	7343	20 Dec.
Whall, J., and another, Darfield, Canterbury, N.Z. Hedge-cutting machines	7003	27 July.
Wheeler, F. A., Chicago, U.S.A. (See W. Hinrichs, No. 7315.)		
Wheeler, R. T., jun., and another, Dunedin, N.Z. Gold-saving machine	6963	12 July.
Whitburn, D., and another, Auckland, N.Z. Toy	6927	22 June.
Whitburn, D., and another, Auckland, N.Z. Traverser and clinometer for surveyors	7300	28 Nov.
White, J., and another, Epsom, Auckland, N.Z. Preparing kauri-gum	7049	13 Aug.
White Patent Rail-joint Company (Limited), The, Adelaide, S. Australia. Fastenings for rail-joints. (R. A. White)	7075	23 Aug.
White Patent Rail-joint Company (Limited), The, Adelaide, S. Australia. Rail-joints. (R. A. White)	7076	23 Aug.
White, R. A., Adelaide, S. Australia. (See the White Patent Rail-joint Company (Limited), Nos. 7075 and 7076.)		
White, W., and another, Brunswick, Vic. Lighting and extinguishing gas-lamps	7329	13 Dec.
Whitford, T. F., and another, Adelaide, S. Australia. Recovery of metals	6748	4 April
Whitham, B., Ohoka, Canterbury, N.Z. Ploughs	6678	16 Jan.
Whitney, A. N., Melbourne, Vic. Counterfeit pigeon-projector	6633	23 Jan.
Whittingham, R., Gore, N.Z. Water-pipes for sluicing, &c.	7012	25 July.
Widdy, C., and others, Hillgrove, N.S.W. Rocker ore-feeder	7349	27 Dec.
Wier, M. A., Kingston-on-Thames, Eng. Type-writers	7157	26 Sept.
Wilkins, F. R., and others, Handsworth, Eng. Primary voltaic batteries	7259	8 Nov.
Williams, J. T., Blenheim, N.Z. Telegraph insulator-protector	7299	1 Dec.
Williams, R. B., Invercargill, N.Z. Washing-board	7347	19 Dec.
Williamson, J., Hyde, Otago, N.Z. Traps	6900	9 June.
Wilshire, W. J., Summer Hill, N.S.W. Table	6887	4 June.
Wilson, D. A., Auckland, N.Z. Extracting gold and silver	6721	14 March.
Wilson, W., Dunedin, N.Z. Mount-cutter	6652	2 Feb.
Winans, W. L., London, Eng. Ocean steamers	6747	4 April.
Withell, R., and another, Brookside, Canterbury, N.Z. Milk-strainer, cooler, and aëerator	7002	26 July.
Woolcot, H. S., and another, Wellington, N.Z. Drain-pipes	7099	3 Sept.
Woonsam, R. W., London, Eng. (See A. S. Barham, No. 7213.)		
Worthington, C. C., Irvington, New York, U.S.A. (See E. Waters, No. 7000.)		
Wright, W., Essendon, Vic. (See C. W. Pitman, No. 7212.)		
Wrigley, F. H., Opaki, Wellington, N.Z. Stump-extractor	7066	22 Aug.
Wyett, R. W., Yarram Yarram, Vic. Billiard-tables	6632	23 Jan.
Wyett, R. W., Yarram Yarram, Vic. Bicycles	7073	23 Aug.
Wylde, A. H., and another, Palmerston North, N.Z. Racecourse register	6761	13 April.
Wylie, W., Invercargill, N.Z. Fencing standard	7146	17 Sept.
Yarrow, R., Wanganui, N.Z. Flushing apparatus	6697	27 Feb.
Yarrow, R., and another, Wanganui, N.Z. Soap	6964	13 July.
Yates, T. G., Dunedin, N.Z. Sheep feed-trough	7031	6 Aug.
Young, H., Cromwell, N.Z. Rabbit-trap	6961	16 July.
Youngman, H., Dunedin, N.Z. Gold-saving machine	7096	28 Aug.

ALPHABETICAL LIST OF TITLES OF INVENTIONS, FOR WHICH LETTERS PATENT HAVE BEEN APPLIED, DURING THE YEAR 1894.

Invention and Name of Inventor.	No.	Date.
Addition, Machine for performing. R. E. K. Shekleton	6778	19 April.
Advertisements, Method of and means for distributing. J. Bear	6751	5 April.
Advertising booklet and envelope. J. Bear	6752	5 April.
Advertising device. V. Carandini	6621	15 Jan.
Advertising device. E. du S. Tupper	6931	28 June.
Advertising medium. L. Bennett	6810	27 April.
Advertising method. G. McBride	6686	9 Feb.
Advertising method. J. Bear	6751	5 April.
Advertising ruler. A. R. Hislop, J. Slater, and A. Alexander	6706	8 March.
Advertising table and desk. A. D. Ludlow	7239	2 Nov.
Adze and axe, Combined. R. Cockerell	7202	15 Oct.
Adze, hammer, and scoop, Combined. J. Lowden and J. Maw	7068	22 Aug.
Aërated liquors, Fountains for discharge of. F. Pratt	7244	2 Nov.
Aërated liquors, Fountains for discharge of. F. Pratt	7274	16 Nov.
Aërating apparatus. H. S. Elworthy	7130	18 Sept.
Aërating vessels in connection with bar fountains. F. Pratt	7263	12 Nov.
Aëerator. (See also Milk aëerator.)		
Aërial vehicles, Strips for bracing. H. Ganswindt	6797	25 April.
Agitator, leaching-vat, and filter. J. Park, F. W. Luick, and G. Peel	6967	9 July.
Agitator, leaching-vat, and filter, Combined. G. Peel	7053	10 Sept.
Air-compressor. D. McGill	6758	10 April.
Air-compressor. L. C. Auldjo	7042	13 Aug.
Air machinery, Cold-. W. Cable	6922	22 June.
Alarm and indicator. H. A. Dando	7069	22 Aug.
Alluvial deposits, Apparatus for washing. J. Jerger	6708	9 March.
Amalgam in grinding-pans, Device for saving. J. Kilgour	7067	18 Aug.
Amalgamating apparatus. T. A. Allan	6991	23 July.
Amalgamating apparatus. W. J. Weedon	7150	21 Sept.
Amalgamating, Method of, and apparatus for. C. F. Pike	7344	20 Dec.
Amalgamator. W. Tarrant	7108	6 Sept.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention and Name of Inventor.	No.	Date.
Ammonia compressor. H. D. C. Marr	6865	23 May.
Animal- and bird-trap. E. Sprey	7138	14 Sept.
Animals. (See also Marker for animals).		
Animals, Apparatus for racing or drafting. D. H. McKenzie	7310	6 Dec.
Animals. (See also Shearing and clipping).		
Animals. (See also Drenching and medicines.)		
Antimony cruding-furnace. E. Seagar	6876	29 May.
Arithmometer. R. E. K. Shekleton	6778	19 April.
Artesian wells, Appliances for sinking. J. Osborne	6602	4 Jan.
Artesian wells, Appliances for sinking. J. Osborne	6604	6 Jan.
Artificial stone. L. Grote	7089	30 Aug.
Asbestos in buildings, Use of. D. A. Douglas,	6883	1 June.
Auriferous sand, Apparatus for collecting G. Tellefsen and H. Hughes	6685	21 Feb.
Awning for perambulators. J. Clegg	7233	27 Oct.
Axe and adze, Combined. R. Cockerell	7202	15 Oct.
Axle. E. Sprey	6640	25 Jan.
Axles, Composition for lubricating. G. F. Newman	6911	19 June.
Baby fold. W. P. Chapman	7124	7 Sept.
Baggers, Tallying apparatus for. J. Middleton	6744	31 March.
Bail, Cow. G. Walworth	7171	3 Oct.
Ball-bearing. W. H. Trengrove and F. N. Adams	7156	24 Sept.
Ball-bearing. N. Oates	7319	7 Dec.
Ball-bearing plummer-block. P. and D. Duncan (Limited)	7024	1 Aug.
Ball-valve. T. H. Austin	6962	11 July.
Ball-valve. J. Anderson	6996	20 July.
Bar fountain. F. Pratt	7274	16 Nov.
Bar fountain, Aërating vessels in connection with. F. Pratt	7263	12 Nov.
Bars, Appliance for deepening. P. Nolan	7137	13 Sept.
Barrels. J. W. and T. G. Lahey	7088	30 Aug.
Barrels. (See also Stave-jointing, &c.)		
Bath, Dry. L. A. Tallerman and E. D. T. Sheffield	7149	21 Sept.
Bath-heater. A. K. Walker	7260	13 Nov.
Batteries. (See Medical battery, Primary battery, Primary voltaic battery, Stamp battery wiper)		
Bearing. J. Dalziel	7221	20 Oct.
Bearing, Ball. W. H. Trengrove and F. N. Adams	7156	24 Sept.
Bearing, Ball. N. Oates	7319	7 Dec.
Bearing, Cycle. T. Boyd	6919	22 June.
Bearing, Cycle. T. Boyd	7028	4 Aug.
Beater, Egg. A. L. J. Tait	7092	28 Aug.
Beater. (See also Whisk.)		
Bed-sofa combination. N. Lamont	6623	13 Jan.
Bedstead. J. Crook	7208	13 Oct.
Bedstead bottom. F. Rowcliffe	6917	22 June.
Beer, Chiller for. F. J. Fuchs	7305	1 Dec.
Belt-clip. W. H. Harrod	6850	16 May.
Belt-fastener. C. M. Cruickshank	6627	15 Jan.
Belt-fastener. J. Brokensha	6888	19 Feb.
Belt-fastener. J. Hempstalk	6718	12 March.
Belt-fastener. J. Brokensha, G. W. Brodrick, and G. J. A. Richardson	6934	26 June.
Belt-fastener. E. R. Godward	6985	19 July.
Belt-fastener. T. Burslem	7044	15 Aug.
Belt-fastener. R. A. Palamountain and R. F. Dawson	7158	22 Sept.
Belt-fastener. J. Sheppard	7174	1 Oct.
Belts, Means for preventing slipping of driving-. A. J. Hunter	6733	21 March.
Berdan drag. J. Kilgour	7067	18 Aug.
Beverage. C. Hinsch	6610	11 Jan.
Bicycle. T. Boyd	6617	12 Jan.
Bicycle. W. H. Boyens	6647	1 Feb.
Bicycle. T. C. Dennison	6739	20 March.
Bicycle. P. H. Pritchett	6979	4 July.
Bicycle. R. W. Wyett	7073	23 Aug.
Bicycle. W. H. Boyens	7203	15 Oct.
Bicycle chain protector. L. Cerchi	6730	21 March.
Bicycle, Convertible. J. E. Beckwith	7162	26 Sept.
Bicycle gear-case. M. Grainger	6854	15 May.
Bicycle roundabout. T. W. Davidson	7254	6 Nov.
Bicycles. (See also Bearings, Cycles, Tricycles, and Velocipedes.)		
Bicycles, Adjustable handle-bar for. G. Percy	7060	15 Aug.
Bicycles, Driving mechanism for. A. O. Collier	7288	26 Nov.
Bicycles, Teacher and stand for. G. J. A. Richardson and J. Moffett	7207	13 Oct.
Billiard-cue. A. Taylor and A. Noble	6945	5 July.
Billiard-table. R. W. Wyett	6632	23 Jan.
Billy tray. J. W. McIvor	7217	18 Oct.
Bin. (See Rubbish-bin.)		
Binder and reaper, Attachment to. H. Birch	7335	20 Nov.
Binder safety, Reaper and. J. Diack and G. McHattie	7309	4 Dec.
Binding harvesters, Sheaf. E. Samuelson	7187	8 Oct.
Binding machines, Knotting mechanism for sheaf	7353	27 Dec.
Bird-trap. E. Sprey	7138	14 Sept.
Blasting method and apparatus. A. W. Schwarz	6868	25 May.
Blender for liquids. W. W. Crawford	6858	17 May.
Blight-specific. C. D. Hormann	7338	13 Dec.
Blinds, Venetian. W. Gee	7133	12 Sept.
Blinds, Fiddle for. W. E. C. Osborne	7287	23 Nov.
Block. (See Pillow-block; Plummer-block.)		
Blow-pipe. H. Wakeman	6942	3 July.
Board. (See Washing-board.)		

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention and Name of Inventor.	No.	Date.
Boat-lining. A. B. C. Kenny	7345	21 Dec.
Boats, Appliance for launching. C. Fleming	7291	28 Nov.
Boats, Steering-gear for. G. J. Norton	6680	19 Feb.
Boats, Steering-gear for. W. J. Butler	6702	1 March.
Boiler and furnace, Steam. C. A. Knight and G. W. Thode	7195	11 Oct.
Boiler-fluid, for removing and preventing incrustation. J. Mackintosh	7265	14 Nov.
Boiler, Steam. T. Henderson	7006	28 July.
Boiler, steamer, and food-warmer, Combined. C. A. Port	6975	14 July.
Boiler-tube and pipe cleaner. H. J. Lawrence, A. E. G. Bromell, and J. C. Teare	6909	19 June.
Boiler-tube cleaner. W. Armstrong	7226	22 Oct.
Boiler, Water-tube. M. H. C. Shann	6656	12 July, '93
Boilers, Apparatus for supplying feed-water to. G. E. Hudson, G. Sanderson, and W. J. Baker	6982	18 July.
Boilers. Van Hecke's Fuel Economizer Syndicate (Limited)	7196	11 Oct.
Boilers, Feed-water Heater, and Fuel-saver for. W. N. Morriss and R. H. Smith	6723	15 March.
Boilers, Furnace-box for. A. Herzog	7026	6 Aug.
Boilers, Heat economizer for. D. E. Blacke	7172	29 Sept.
Boilers, Means for supplying water to. J. H. Walker	7297	27 Nov.
Bolt-blanks. R. Powell	6869	25 May.
Bolt, Nut for fang-. G. A. Troup	7100	5 Sept.
Bolts, Means for securing nuts on. H. Tytherleigh	6826	9 May.
Book-cover. E. Frith	7148	21 Sept.
Booklet and envelope, Combined. J. Bear	6752	5 April.
Book-protector. G. Barnes	6696	27 Feb.
Boot. F. Dryland	6630	17 Jan.
Boot. J. C. M. Karsten	6818	2 May.
Boot. J. C. M. Karsten	7005	26 July.
Boot. J. Suckling	7102	1 Sept.
Boot and shoe stand. G. Tucker	7095	29 Aug.
Boot, Clog. D. and H. Henderson	7093	25 Aug.
Boot-fastener. J. R. Anderson	7247	7 Nov.
Boot-upper. W. J. Pallant	6712	10 March.
Boot-upper. R. W. Seats	7255	3 Nov.
Boots, Toe-stiffener for. J. C. W. Guileford	7097	31 Aug.
Boring apparatus. F. H. Davis	7326	13 Dec.
Boring machinery. F. J. Stuckey	7316	8 Dec.
Bot-fly destroyer. K. Kennedy	6670	13 Feb.
Bottle-stopper. J. Sorley	6622	16 Jan.
Bottle-stopper. G. W. Browne	7080	26 July.
Bottles, Clip for stoppers of. J. Maclellan	6669	12 Feb.
Bottles, Machine for filling. J. C. Gelly	7225	22 Oct.
Bottling apparatus for aerated liquids. H. S. Elworthy	7130	13 Sept.
Bottling-machine, Valve for. J. T. Kofoed	6902	11 June.
Box. (See also Butter-box, Furnace-box, Feed-box, Letter-box, Moulding-box, Sluice-box.)		
Box for cigarettes, cigars, &c. M. Simmons	7280	22 Nov.
Box for transporting edible substances. E. Pontin	7131	13 Sept.
Bracket, sewing-machine lamp. A. H. Light	7292	28 Nov.
Brake. (See also Railway-brake, Vehicle-brake.)		
Brake for lifts, &c. J. Welsby	6607	9 Jan.
Brake for railways, &c. A. Scoullar	7029	8 Aug.
Brake-valve. D'A. W. Reeve	6799	25 April.
Brand. (See Sheep-brand.)		
Bread, Manufacture of. J. A. Hansmann and L. Schulz	7013	27 July.
Briquettes of ironsand, Manufacturing. E. Purser	6860	19 May.
Brooch-pin fastener. A. Cussen	6866	23 May.
Bucket. W. Dalton	6959	14 July.
Bucket. (See also Pail.)		
Bucket-holder, Kerosene-tin. F. S. Cory	6782	16 April.
Bucket-holder, Kerosene-tin. G. W. Brodrick	6905	12 June.
Buggy. J. Duncan	6910	19 June.
Buildings, Method of constructing. W. Dear	7052	15 Aug.
Burners. (See Gas-burner, Lamp-burner, Stove-burner.)		
Butter-box, Fastener for lid of. A. W. Beard	7070	17 Aug.
Butter-box. E. Pontin	7131	13 Sept.
Butter-cooler. W. E. Pearson	6660	6 Feb.
Butter-cooler. W. E. Pearson	6661	6 Feb.
Butter, Manufacture of. J. H. H. Duncan	6671	13 Feb.
Butter, Manufacture of. A. L. J. Tait	6849	11 May.
Butter, Manufacture of. (See also Churns)		
Butter-mould. T. H. Morgan	6629	19 Jan.
Butter packing-case. F. B. Farmar	7116	8 Sept.
Butter-printer. J. Colquhoun	7218	18 Oct.
Butter-printer and divider. R. Loudon	6861	19 May.
Cake, Manufacture of. J. Louis	7050	15 Aug.
Cakes, Manufacture of. J. A. Hansman and L. Schulz	7013	27 July.
Calculating-machine. E. Waters	6732	21 March.
Calculating. (See also Arithmometer, Counting, and Tallying.)		
Can. (See also Milk-can, Tin-can.)		
Can, Rim for milk-. J. Anderson	7267	12 Nov.
Candle-holder. E. R. Sincock	7336	13 Dec.
Candlestick. A. Dawson	6658	6 Feb.
Candlestick. E. Potts	6737	30 March.
Candlestick. T. E. Taylor	7055	13 Aug.
Canister. W. F. C. Fail	7288	20 Nov.
Canopy for perambulators, &c. J. Clegg	7233	27 Oct.
Cans and canisters. W. Merton	7331	13 Dec.
Cans, Fastening device for lids of. J. P. Luke	7043	14 Aug.
Cans, Machine for painting. N. Reid and A. H. Turnbull	7223	22 Oct.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention and Name of Inventor.	No.	Date.
Carbonic-acid gas, Apparatus for collecting. H. S. Elworthy	6965	16 July.
Carbonic-acid gas, Method of an apparatus for producing. H. Lane and J. Pullman	6913	20 June.
Carbon, Means for collecting from funnels, &c. H. O'Hara and J. A. Wallace	6795	24 April.
Carcases. (See Marking carcases.)		
Carriage-seat. C. Hallam	6841	9 May.
Carriage-seats. J. A. Parsons	6947	10 July.
Cars, Refrigerating. M. W. Judell	7197	11 Oct.
Cart. (See also Go-cart.)		
Cart shafts. J. and G. Dash	6921	25 June.
Carrying-attachment for umbrellas. A. Cussen	6759	11 April.
Case. (See also Gear-case, Type-case, Needle- and reel-case.)		
Case, Butter packing-. F. B. Farmar	7116	8 Sept.
Case for cigarettes, cigars, &c. M. Simmons	7280	22 Nov.
Casks. J. W. and T. G. Lahey	7088	30 Aug.
Casks. (See also Stave-jointing Machines.)		
Castor, furniture. W. E. Earland and A. O. Bridgman	7088	6 Aug.
Centering-rod, Surveyors'. C. Bristow	6609	9 Jan.
Chaff-cutter, Tallying apparatus for baggers of. J. Middleton	6744	31 Mar.
Chain. J. Vorbach	6957	13 July.
Chain, Harness. E. Sprey	7340	17 Dec.
Chain harrow-forger. R. Bayley	7191	4 Oct.
Chain-protector for bicycles. L. Cerchi	6730	21 Mar.
Chair and raft combined. J. M. Henton	6872	26 May.
Chair. (See also Deck-chair.)		
Chair-bottoms, Method of and means for mounting. W. Droeser	6923	25 June.
Channels, Appliance for deepening. P. Nolan	7197	13 Sept.
Cheese-press. A. Morrison	7284	20 Nov.
Chiller for liquids. F. J. Fuchs	7305	1 Dec.
Chloride of sodium or potassium, Apparatus for decomposing. T. J. Holland	7321	10 Dec.
Churn. G. Tucker	6701	1 March.
Churn. A. L. J. Tait	6849	11 May.
Churn. J. Davies	7034	7 Aug.
Churn. J. A. Garrett	7062	8 Aug.
Churn. A. L. J. Tait	7215	16 Oct.
Cigar-case. M. Simmons	7280	22 Nov.
Cigarette-box. M. Simmons	7280	22 Nov.
Cigarette-machine. A. Moonelis	7020	3 Aug.
Cigarette-machine, Crimping device for. H. Dixon	6717	13 March.
Cigarettes, Machine for cutting wrappers of. A. Moonelis	7019	3 Aug.
Cigar or cigarette, Lighting-attachment to. J. Copeland	6642	29 Jan.
Cigar or cigarette, Lighting-attachment to. J. Copeland	6643	29 Jan.
Cigars, Machine for manufacture of. Compagnie Générale pour l'Exploitation des Machines à fabriquer les Cigares (Brevets J. Reuse) Société Anonyme	7237	30 Oct.
Circuit railway, Erratic. O. K. Peez	7175	2 Oct.
Cistern. (See also Water-closet cistern.)		
Cistern-cock. J. L. Barlow	6760	12 April
Clamp. (See Wire-clamp and gauge.)		
Classifying machine. A. G. Holroyd, E. Hughes, J. S. Pirrie, and E. J. Rigby	6601	4 Jan.
Classifying metals, Machine for. J. F. C. Farquhar	6915	20 June
Cleaner. (See Boiler-tube cleaner, Boiler-tube and pipe cleaner, Fibre cleaner, Grass-seed cleaner, Knife cleaner.)		
Cleanser. (See Wool cleanser.)		
Clearing flax, rushes, &c., Machine for. C. P. Nelson	7277	20 Nov.
Clinometer. E. Bath and D. Whitburn	7300	28 Nov.
Clip. (See Coulter-clip, Letter-clip, Wire-clip.)		
Clip for shafts and poles. G. Brownlees	7018	2 Aug.
Clip for stopper of bottles, jars, &c. J. Maclellan	6669	12 Feb.
Clipper, Horse. D. Little	6637	24 Jan.
Clipping animals, Machines for. C. and H. Burgon	6776	19 April
Clipping animals. (See also Shearing.)		
Clog boot. D. and H. Henderson	7093	25 Aug.
Closets. (See Water-closets.)		
Clothes-horse, hat-rack, and umbrella-stand Combined. W. H. Watson	7155	24 Sept.
Clothes-washing apparatus. A. Ambler	7090	25 Aug.
Clothes-washing-board. J. H. O'Brien	6709	9 March
Clothes-washing. (See also Washing.)		
Clothes-wringer. R. Lochhead	6631	17 Jan.
Clothing, Attachment for striking matches upon. J. W. Bowman	7163	26 Sept.
Clothing, Clutch suspender for. E. Bell	7314	4 Dec.
Cloth-presser. F. J. Porter	7008	23 July.
Clover-dressing machine. J. Greenslade	6638	25 Jan.
Clover-dressing machine. J. Osborne	6792	20 April.
Clover-dressing machine. G. G. Stead, D. B. McLaren, and J. Curtis	6946	5 July.
Clover-sheller. F. W. Anderson	6882	30 May.
Clover-sheller. W. Doubleday	6939	30 June.
Clover-sheller, Shell or concave for. W. Doubleday	7192	9 Oct.
Clover threshing and shelling machinery. W. Andrews and A. W. Beaven	6949	9 July.
Clover threshing and shelling machine. J. W. Oliver	6998	23 July.
Clover threshing machine. W. A. McLaren, W. Andrews, and A. W. Beaven	6754	4 April.
Clover. (See also Seeds.)		
Clutch suspender for clothing. E. Bell	7314	4 Dec.
Coal-bunkers, Apparatus for detecting variation of temperature in. J. Lowden	7125	6 Sept.
Cock. (See Cistern-cock.)		
Coffin. B. Wallis	6901	6 June.
Cold-air machinery. W. Cable	6922	22 June.
Collar. (See Horse-collar.)		
Combine threshing-machine. J. Osborne	6792	20 April.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention and Name of Investor.	No.	Date.
Combs of shearing-machines, Means for grinding. J. W. Newall	6822	7 May.
Commode pail. V. E. Poppens	7017	2 Aug.
Compass deviation curves, Appliance for drawing. A. B. C. Kenny	6952	13 July.
Compass, Storm. A. B. C. Kenny	6953	13 July.
Compressing machine, Air. D. McGill	6758	10 April.
Compressor, Ammonia or gas. H. D. C. Marr	6865	23 May.
Compressors, Air or gas. L. C. Auldjo	7042	13 Aug.
Concave for clover-shellers. W. Doubleday	7192	9 Oct.
Concave for threshing mills. A. Evans	7339	15 Dec.
Concentrating machine. E. E. Nesbit	6720	14 March.
Concentrating machine. R. T. Ball	6766	14 April.
Concentrating machine. T. M. Baldwin	6793	24 April.
Concentrating machine. J. F. C. Farquhar	6915	20 June.
Concentrating machine. W. Tarrant	7108	6 Sept.
Concentrating, Method of and apparatus for. C. F. Pike	7344	20 Dec.
Concentrator and classifier. A. G. Holroyd, E. Hughes, J. S. Pirrie, and E. J. Rigby	6601	4 Jan.
Cooking and heating range. S. Barningham, T. McCormack, and E. T. O'Connell	6863	16 May.
Cooking appliance. F. Giles	6930	28 June.
Cooking pot. W. T. Nuttall	7101	5 Sept.
Cooling. (See also Air-compressor, Ammonia-compressor, Beer-chiller, Butter-cooler, Cold-air machinery, Freezing, Gases, Meat-cooler, Milk-cooler, Refrigerating.)		
Cooling apparatus. A. Gordon	7054	15 Aug.
Cooling liquids, Apparatus for. H. Lane, J. Pullman, and H. S. Elworthy	7183	8 Oct.
Copper, Extracting. W. Climo	7045	11 Aug.
Core-boring apparatus. F. H. Davis	7326	13 Dec.
Corking machine. E. Mazure	6767	14 April.
Corks, Preparing and inserting in necks of bottles. J. C. Gelly	7225	22 Oct.
Correcting marine soundings, Apparatus for. A. B. C. Kenny	6954	13 July.
Corset. F. L. Balcombe	7243	31 Oct.
Coulter-clip for implements. J. Macalister	7121	5 Sept.
Coulter for digging-ploughs. G. Bishop	6906	18 June.
Coulter for ploughs. J. R. Webster	7229	22 Oct.
Counter fountain. F. Pratt	7244	2 Nov.
Counter fountain. F. Pratt	7274	16 Nov.
Counting machine. J. Greenslade	7271	15 Nov.
Counting. (See also Calculating, Tallying.)		
Cover. (See also Lid.)		
Covering electrically non-conducting substances. H. N. McLeod	7165	1 Oct.
Covers for books. E. Frith	7148	21 Sept.
Cow-bail. G. Walworth	7171	3 Oct.
Cradle for gold-dredging. R. Cockerell	7333	17 Dec.
Cradle, Rocking. D. Dunn	7216	18 Oct.
Cream-cooler, &c. R. Varley	6951	13 July.
Cream. (See also Milk.)		
Crimping device for cigarette-machine. H. Dixon	6717	13 March.
Cruding furnace. E. Seagar	6876	29 May.
Crusher. G. F. P. Lenz and W. Paynter	7132	13 Sept.
Crushing-machine. W. Hinrichs	7315	7 Dec.
Crushing. (See also Grinding, Pulverising, and Quartz-reducing.)		
Cue, Billiard. A. Taylor and A. Noble	6945	5 July.
Cuffs for shirt-sleeves. J. E. Buchan	7106	6 Sept.
Cultivator. P. and D. Duncan (Limited)	7210	16 Oct.
Cultivator. P. and D. Duncan (Limited)	7346	21 Dec.
Cultivator-share. W. C. Barton	7176	4 Oct.
Cure, Foot-rot. G. and M. Squire	6889	4 June.
Curing meat, Mode of. T. Affleck	7262	13 Nov.
Currants, Apparatus for washing and drying. A. L. J. Tait	7092	28 Aug.
Cutters. (See Mount-cutters, Chaff-cutters.)		
Cutters of shearing-machine, Grinding. J. W. Newall	6822	7 May.
Cutting (See also Gorse and Hedge-cutting.)		
Cutting flax, rushes, &c., Machine for. C. P. Nelson	7277	20 Nov.
Cyanide solutions, Precipitating precious metals from. J. S. MacArthur	6987	23 July.
Cyanides, Extraction and recovery of. G. McCulloch and J. A. Lochhead	7193	11 Oct.
Cyanides, Production of. H. Aitken	6812	2 May.
Cyanogen, Production of. H. Aitken	6812	2 May.
Cycle. P. H. Pritchett	7014	31 July.
Cycle. J. Orr, jun.	7180	5 Oct.
Cycle-bearing. T. Boyd	6919	22 June.
Cycle-bearing. T. Boyd	7028	4 Aug.
Cycle-wheel. J. D. Everett	6784	21 April.
Cycles. (See also Bicycles, Tricycles, and Velocipedes.)		
Cycles, Mud-guard for. E. A. Trendall	7051	15 Aug.
Cyclist's knickers. Butterworth Brothers, N.Z. (Limited)	7289	26 Nov.
Cylinder. (See Dump-cylinder.)		
Damper. C. B. M. Branson	6628	16 Jan.
Davits, Ships'. C. Fleming	7291	28 Nov.
Deck-chair and raft combined. J. M. Henton	6872	26 May.
Decomposing chloride of sodium, Electrolytic apparatus for. T. J. Holland	7321	10 Dec.
Deepening bars, Appliance for. P. Nolan	7137	13 Sept.
Delivering contrivance, Ticket-. G. Percy	7111	5 Sept.
Delivering material, Apparatus for. W. F. C. Fail	7283	20 Nov.
Deodorising waste matters, Compound for and process of. A. G. Kidston-Hunter	6819	3 May.
Departure of trains, &c., Appliance for indicating time of. J. Morton	6938	28 June.
Depilatory process. W. F. Bastings	6881	28 May.
Desk. M. W. Fergusson	6990	23 July.
Desk and Table, Advertising. A. D. Ludlow	7239	2 Nov.
Detecting variations of temperature in coal-bunkers, Apparatus for. J. Lowden	7125	6 Sept.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued*.

Invention and Name of Inventor.	No.	Date.
Diagram, Napier's, Apparatus for drawing curves. A. B. C. Kenny	6952	13 July.
Digger and separator, Potato. D. Smith and T. H. Tilley	7087	30 Aug.
Digger, Potato. J. Vorbach	6925	20 June.
Digging plough. G. Bishop	6906	18 June.
Dipper. (See Sheep-dipper.)		
Discharger, Silt. T. Billington	7219	19 Oct.
Disinfecting. (See also Fumigating.)		
Disinfecting, Composition for producing vapour for. W. B. Mason	6847	15 May.
Disinfecting, Method of and apparatus for. E. Hermite and C. F. Cooper	6605	8 Jan.
Disinfecting waste matters, Compound for and process of. A. G. Kidston-Hunter	6819	3 May.
Disinfector. J. and T. R. Christie	6687	19 Feb.
Distributor. (See also Seed-distributor.)		
Distributor, Manure. J. Macalister	7122	5 Sept.
Ditching-machine. O. B. H. Hanneborg	6813	2 May.
Ditching plough. H. E. and F. J. Macdonald	6862	14 May.
Ditching. (See also Draining.)		
Domestic utensil. A. G. Kidston-Hunter and J. H. Pledger	6935	26 June.
Door. D. H. Pattie	6698	2 March.
Door lock. J. Smith and C. Pratten	6692	27 Feb.
Doors, Appliance for preventing rain from blowing under. P. G. Smith	6886	4 June.
Drafting animals, Apparatus for. D. H. McKenzie	7310	6 Dec.
Drag, Berdan. J. Kilgour	7067	18 Aug.
Drain-cutting machine. F. E. Sides and H. A. Austin	7188	8 Oct.
Drain-pipe. H. S. Woolcot and G. V. Kemsley	7099	3 Sept.
Drain plough-shares and mould-boards, Combined. R. Cockerell	6966	18 July.
Drain-ploughs, Sock and plug for. J. and J. Gait	7113	3 Sept.
Drain-trap. J. and T. Christie	7136	12 Sept.
Draining. (See also Ditching.)		
Draught-preventing apparatus. N. W. Russ	6657	5 Feb.
Drawing compass deviation curves, Appliance for. A. B. C. Kenny	6952	13 July.
Dray-lifting machine. O. Krug and C. Bussing	6968	12 July.
Dredging apparatus. J. Gwynne	6672	13 Feb.
Dredging, Cradle for gold. R. Cockerell	7333	17 Dec.
Dredging pick, Gold. R. Cockerell	7348	27 Dec.
Drencher, Sheep. W. Parkerson	6896	5 June.
Drencher, Sheep. S. G. A. Poppelwell	6599	3 Jan.
Drench, Sheep. J. Clark	6644	26 Jan.
Dresser. (See Clover-dresser, Flax-dresser, Grain-dresser, Hemp-dresser, Seed-dresser.)		
Dressmaking mode. E. M. Noy and M. Martin	7081	25 Aug.
Drill, Rock. W. Troutbeck	7224	22 Oct.
Drilling machinery. F. J. Stuckey	7316	8 Dec.
Driving-gear of shearing-machines. C. and H. Burgon	6777	19 April.
Driving mechanism for bicycles, &c. A. O. Collier	7288	26 Nov.
Drums, Machine to facilitate painting. N. Reid and A. H. Turnbull	7223	22 Oct.
Dry bath. L. A. Tallerman and E. D. T. Sheffield	7149	21 Sept.
Dry, Determining whether materials are. E. Richardson, jun.	6742	30 March.
Dryer, Currant, &c. A. L. J. Tait	7092	28 Aug.
Drying. (See also Hemp, Pumice.)		
Drying apparatus, Wool. B. W. Glass	7135	13 Sept.
Drying-rooms, Floor-cloth for. D. Nicolson	6705	3 March.
Drying-rooms, Floor-cloth for. D. Nicolson	6827	5 May.
Drying wool, &c., Method of. R. J. Craggs, H. Edwards, M. E. A'Beckett, A. Horrocks, and A. H. Craggs	6749	4 April.
Dump-cylinder. J. Scott	6722	14 March.
Dust-catcher for crushed ores. R. Tudehope	7027	9 Aug.
Dye, Hair. J. W. Moore	6677	12 Feb.
Ear-mark. A. L. Macdonald	6884	30 May.
Ear-mark. J. G. Bentley	6888	4 June.
Ear-piece for telephone-receiver. J. W. Kinniburgh	6874	28 Oct. '93
Earthenware goods, Joints for. T. W. Twyford	7129	13 Sept.
Easel. J. McMurray	6827	12 May.
Egg-beater. A. L. J. Tait	7092	28 Aug.
Electrical apparatus for ores, Means of operating. W. J. Weeden	7150	21 Sept.
Electrically non-conducting substances, Covering. H. N. McLeod	7165	1 Oct.
Electric-arc lamp. E. Thomson	7086	31 Aug.
Electric-current generator. A. L. J. Tait and W. H. Pearson	7282	13 Nov.
Electric lamps, Application of batteries to portable. S. W. Maquay	6654	5 Feb.
Electric generator, Thermo. H. B. Cox	6880	28 May.
Electric lamps, Incandescent. W. S. Smith and J. F. Nugent	6774	20 Nov. '93
Electrolytic apparatus for decomposing chloride of sodium. T. J. Holland	7321	10 Dec.
Elevator, Brake for. J. H. Boundy	6607	9 Jan.
Elevator. (See also Lifts.)		
Engine. (See also Fluid motor-engine, Gas-engine, Multiple expansion-engine, Petroleum-engine, Rotary-engine.)		
Engines, Means for obtaining a compression in gas and petroleum. O. Brünler	6600	4 Jan.
Engines, Governor for. W. F. Meyenberg	7245	1 Nov.
Entrapping. (See Trapping.)		
Envelope. P. J. Ogle	6694	27 Feb.
Envelope and booklet, Combined. J. Bear	6752	5 April.
Erratic circuit railway. O. K. Peez	7175	2 Oct.
Escape, Life. W. McGuire and J. W. Barker	7302	2 Nov.
Excavating machinery. F. J. Stuckey	7316	8 Dec.
Extinguisher, Spark. H. O'Hara and J. A. Wallace	6795	24 April.
Extinguishing gas-lamps, Method of and apparatus for. W. White and J. A. Wallace	7329	13 Dec.
Extractor. (See Gold-extractor, Staple-extractor, Stump-extractor, Weed-extractor.)		
Fabric-stretcher. R. Lochhead	6907	14 June.
Fan. (See Ventilating fan.)		

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued*.

Invention, and Name of Inventor.	No.	Date.
Fang-bolts, Nut for. G. A. Troup	7100	5 Sept.
Fastener. (See Belt-fastener, Boot-fastener, Brooch-fastener, Gate-fastener, Legging-fastener, Necktie-fastener, Lid of butter-box fastener, Rail-joint fastener, Window-fastener.)		
Fastening device for covers of bottles, jars, &c. J. Maclellan	6669	12 Feb.
Fat in milk, Estimating amount of. A. S. Barham	7213	30 Nov.'93
Fatty matter, Extracting from wool. J. Anderson, jun.	6814	2 May.
Feed-box. T. Harris	6924	18 June.
Feeder and regulator for seed-sowing machines. J. Dunbar	7120	5 Sept.
Feeder, Ore. G. Smith, W. J. Hill, W. A. Duly, C. Widdy, and A. W. Goyder	7349	27 Dec.
Feeder, Sheep. T. G. Yates	7031	6 Aug.
Feed, Horse and cattle. J. Leigh	7323	6 Dec.
Feed, Manure P. Duncan	6614	11 Jan.
Feed-regulating roller for seed-sowing machines. A. Storrie	7119	5 Sept.
Feed-water apparatus for boilers. G. E. Hudson, G. Sanderson, and W. J. Baker	6982	18 July.
Feed-water heater. W. N. Morriss and R. H. Smith	6723	15 Mar.
Feed-water for boilers, Means for supplying. J. H. Walker	7297	27 Nov.
Fences. (See Gorse-cutting, Picket-heading machine, Wire-clamp and gauge, Wire-clip, Wire-strainers.)		
Fencing post. E. Walker and J. A. Henderson	6663	8 Feb.
Fencing post. E. Walker and J. A. Henderson	7057	15 Aug.
Fencing standard. W. Wylie	7146	17 Sept.
Fermentation, Apparatus for collecting carbonic-acid gas during. H. S. Elworthy	6965	16 July.
Fertiliser. A. G. Kidston-Hunter	6819	3 May.
Fertiliser. E. Richardson, jun.	7272	19 Nov.
Fertiliser. (See also Manures.)		
Fibres. (See also Flax.)		
Fibre-cleaning machine. T. A. Smith	6890	29 May.
Fibre-dressing machine. W. Toogood	6899	12 June.
Fibres, Extraction and preparation of. H. O. Fellowes, W. R. Crozier, and H. Ferguson	6844	15 May.
Field-roller. A., G., and H. Beaney	6693	27 Feb.
Fiddle for blinds. W. E. C. Osborne	7287	23 Nov.
Field instrument, Levelling-head for surveyors'. A. I. Littlejohn and P. Still	7007	28 July.
Filling bottles. (See Bottling.)		
Filling for surfaces of wood. J. P. Ward	6943	4 July.
Films for photographs. T. H. Blair	7201	13 Oct.
Filter agitator and leaching-vat, Combined. G. Peel	7053	10 Sept.
Filter, Ore. J. Park, F. W. Luick, and G. Peel	6967	9 July.
Filtering powdered ore, Vat for. J. Park and G. W. Horn	7154	15 Sept.
Fires, Apparatus for kindling. D. D. McLean	7276	20 Nov.
Fire-grate. E. J. Tobin	6787	21 April.
Fire-grate, J. W. Jones	7072	21 Aug.
Fire-kindler. A. H. Truebridge	7033	10 Aug.
Fire-lighter. A. Leman	6619	12 Jan.
Fire-lighter. A. Leman	6734	16 March.
Fire-lighter. E. Potts	6903	15 June.
Fire-lighter. E. Hurlstone	7234	29 Oct.
Fire-plug. H. Thomson	6653	5 Feb.
Fire, Protection against. D. A. Douglas	6883	1 June.
Flax-dresser. W. Ross	6879	31 May.
Flax-dresser. A. MacDonald	6904	12 June.
Flax-dresser. A. MacDonald	6944	28 June.
Flax-dresser. D. H. Pattie	7228	23 Oct.
Flax-dressing, Method of. F. A. Furlonge	6724	15 March.
Flax-dressing, Method of. F. A. Furlonge	6779	19 April.
Flax-dressing machine. J. Hopkirk	6805	28 April.
Flax-machine, Beater or drum for. J. H. Harper	6831	7 May.
Flax, Machine for cutting. C. P. Nelson	7277	20 Nov.
Flax-dressing, Process and apparatus for. T. D. Clapham	7037	11 Aug.
Flax, Method and process of dressing. J. Morrow and H. A. Bishop	6780	20 April.
Flax, Process of tanning. H. Godsiff	6699	3 March.
Flax-scraping machine. W. Fairweather	7128	21 Sept.
Flax-scutching machinery. Fibre Machinery Company (Limited)	7152	22 Sept.
Flax-scutching machinery. Fibre Machinery Company (Limited)	7153	22 Sept.
Flax-stripper, washer, and dryer. T. H. Smith	7304	3 Dec.
Flies, Apparatus for excluding from rooms. A. L. Isaacs	7103	31 Aug.
Flood-gate. R. J. D. Sellar	7015	31 July.
Floor-cloth for kilns, &c. D. Nicolson	6705	3 March.
Floor-cloth for kilns, &c. D. Nicolson	6827	5 May.
Floor-cloth, Mosaic. F. Walton	7296	28 Nov.
Flour, Manufacture of. W. Crowe and D. W. O. Fagan	6650	30 Jan.
Fluid-motor engine-governor. G. J. Altham	6843	15 May.
Flushing closets, Apparatus for. R. Yarrow	6697	27 Feb.
Fly-catchers. E. Marshall	7242	2 Nov.
Foggy, Means for preventing windows getting. O. M. Kreissig	6853	17 May.
Foghorn. A. S. Ford	7354	27 Dec.
Fold, Baby. W. P. Chapman	7124	7 Sept.
Food-warmer, boiler, and steamer, Combined. C. A. Port	6975	14 July.
Foot-rot cure. G. and M. Squire	6889	4 June.
Forger, Chain harrow. R. Bayley	7191	4 Oct.
Fountain, Counter. F. Pratt	7244	2 Nov.
Fountain, Counter or bar. F. Pratt	7274	16 Nov.
Fountains, Aërating vessels in connection with. F. Pratt	7263	12 Nov.
Freezing apparatus. A. Gordon	7054	15 Aug.
Freezing. (See also Air-compressor, Ammonia-compressor, Cold-air machinery, Cooling, Gases, Refrigerating.)		
Friction of vessels, Diminution of. T. C. Bayldon and G. P. Hilton	6926	27 June.
Fruit, Method of packing. H. Soltan and H. Shotlander	6613	10 Jan.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention and Name of Inventor.	No.	Date.
Fuel, Block. W. B. Hartridge	6988	23 July.
Fuel-saver. C. B. M. Branson	6628	16 Jan.
Fuel-saver. W. N. Morriss and R. H. Smith	6723	15 March.
Fumigating apparatus. T. Silk	7231	24 Oct.
Fumigation, Mode of curing meat, &c., by. T. Affleck	7262	13 Nov.
Furnace, Antimony cruding. E. Seagar	6876	29 May.
Furnace, Boiler. C. A. Knight and G. W. Thode	7195	11 Oct.
Furnace-box. A. Herzog	7026	6 Aug.
Furnace for ores. D. A. Brown	7222	22 Oct.
Furnace-grate. J. T. McCoy	6848	15 May.
Furniture castor. W. E. Earland and A. O. Bridgman	7038	6 Aug.
Furrow-splitter. A. W. Legg	7181	8 Oct.
Game. W. B. Bust	6773	19 April.
Gardening implement. J. Martin and J. A. Morgan	7079	22 Aug.
Garden labels, Standard for. F. R. and C. J. Chapman	7204	9 Oct.
Garments, Combination. R. M. Shelley	6875	28 May.
Gas-burner. A. and E. Cohen	6765	14 April.
Gas. (See also Carbonic-acid gas).		
Gas-compressor. H. D. C. Marr	6865	23 May.
Gas-compressor. L. C. Auldjo	7042	13 Aug.
Gas-engine. O. Brünler	6600	4 Jan.
Gases, Utilising expansive force of. A. Gordon	7054	15 Aug.
Gases in multitubular boilers, Apparatus for directing. Van Hecke's Fuel-economizer Syndicate (Limited)	7196	11 Oct.
Gases, Device for regulating flow of. H. Lane, J. Pullman, and H. S. Elworthy	7185	8 Oct.
Gas-jets, Apparatus for lighting. A. L. J. Tait	7317	6 Dec.
Gas-lamps, Method of and apparatus for lighting and extinguishing. W. White and J. A. Wallace	7329	13 Dec.
Gas, Oil. J. Moeller	6768	14 April.
Gate. (See also Flood-gate.)		
Gate actuating apparatus. T. T. Shaw	7168	3 Oct.
Gates, Method of hanging and fastening. M. S. Campbell	6679	16 Feb.
Gear-case for bicycles. M. Grainger	6854	15 May.
Gems, Apparatus for washing and saving. R. T. Coghlan	6976	19 July.
Generator. (See also Thermo-electric Generator.)		
Generator, Electric-current. A. L. J. Tait and W. H. Pearson	7282	13 Nov.
Germs in seed, Mode of and apparatus for destroying parasitic. J. B. Crabbe	7313	6 Dec.
Glove for washing purposes. H. Collier	7098	3 Sept.
Go-cart. J. Clegg	7233	27 Oct.
Gold- and silver-extractor. D. A. Wilson	6721	14 March.
Gold- and silver-ores, Method of and matter for treating. E. D. Kendall	6736	28 March.
Gold, Apparatus for extracting. J. Jerger	6708	9 March.
Gold, Apparatus for extracting. W. F. and W. Roberts	6815	2 May.
Gold-bearing wash, Process and apparatus for grading. T. M. Baldwin	6793	24 April.
Gold-dredging, Cradle for. R. Cockerell	7333	17 Dec.
Gold-dredging pick. R. Cockerell	7348	27 Dec.
Gold, Method of and apparatus for saving. W. Harman and W. Bennett	7170	3 Oct.
Gold, Method of extracting. W. Climo	7045	11 Aug.
Gold, Method of extracting. W. Climo	7046	11 Aug.
Gold, Method of extracting. F. W. Luick and J. W. McPeake	7094	23 Aug.
Gold, Process and apparatus for obtaining. J. Nicholas	6845	15 May.
Gold, Process of extracting. J. C. Montgomerie	6775	27 Oct., '93
Gold, Process of extracting. J. A. Walker	7337	17 Dec.
Gold-saver. D. Mason and R. T. Wheeler	6963	12 July.
Gold-saving machine. P. J. Mantova and W. J. Meyer	6940	2 July.
Gold-saving machine. F. Condy	6971	18 July.
Gold-saving machine. W. H. Dawson	7091	31 Aug.
Gold-saving machine. H. Youngman	7096	28 Aug.
Gold-saving machine. J. A. Dugins, J. A. Carlson, and W. E. Poole	7257	12 Nov.
Gold-separator. J. F. Knight	6830	9 May.
Gold-washing apparatus. R. T. Coghlan	6976	19 July.
Gold. (See also Agitator, Alluvial deposits, Amalgam, Amalgamating, Auriferous sand, Berdan Drag, Classifying, Concentrating, Cradle, Crushing, Cyanide, Cyanogen, Dredging, Dust-catcher, Filtering, Leaching, Ores, Precipitating, Pulverising, Quartz, Slimes, Sluice-box, Tailings, Vat, Washing.)		
Gorse-cutting machine. D. Cairncross and A. H. Anderson	6871	25 May.
Governor, Engine. W. F. Meyenberg	7245	1 Nov.
Governor, Machinery. R. M. Macdonald	7209	15 Oct.
Governor, Fluid motor-engine. G. J. Altham	6843	15 May.
Grading gold-bearing wash, Apparatus for. T. M. Baldwin	6793	24 April.
Grain, Means for determining whether moisture in. E. Richardson	6742	80 March.
Grain-threshing, &c., Machinery. J. Greenslade	6638	25 Jan.
Grain-threshing machinery. W. A. McLaren, W. Andrews, and A. W. Beaven	6754	4 April.
Grain-threshing, shelling-, and dressing-machine. J. Greenslade	7281	22 Nov.
Grass-mowers, Finger for. J. P. Richardson	6838	14 May.
Grass-seed cleaner. W. Hay	6770	18 April.
Grate. (See Fire-grate, Furnace-grate.)		
Gravitation railway. R. M. Macdonald	6878	31 May.
Grease from steam, Apparatus for separating. G. E. Hudson, G. Sanderson, and W. J. Baker	6982	18 July.
Greasy matter from wool, Means for extracting. J. Anderson, jun.	6814	2 May.
Grinding cutters and combs of shearing-machines. J. W. Newall	6822	7 May.
Grinding-machine. R. D. Langley	7330	13 Dec.
Grinding pans, Drag for. J. Kilgour	7067	18 Aug.
Grinding. (See also Crushing and Pulverising.)		
Grubber-tooth. J. Drummond	6857	18 May.
Grubber, Twitch-. D. Watson	7306	1 Dec.
Gauge. (See Wire clamp and gauge.)		
Guard. (See Mud-guard, Tram-car life-guard.)		

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention, and Name of Inventor.	No.	Date.
Gully-trap. E. Cuthbert	6682	14 Feb.
Hair-dye. J. W. Moore	6677	12 Feb.
Hammer, scoop, and adze, Combined. J. Lowden and J. Maw	7068	22 Aug.
Handle and lever for locks. G. J. A. Richardson and G. W. Brodrick	6960	28 June.
Handle-bar for bicycles, Adjustable. G. Percy	7060	15 Aug.
Handles of receptacles, Means of attaching. J. J. Taylor	6877	30 May.
Hanging devices. (See Gate-hanger, Window-sash-hanger.)		
Harness. C. F. Lichtwark	6634	23 Jan.
Harness, Chain-securing device for. E. Sprey	7340	17 Dec.
Harnessing horses to vehicles, Means for. C. Bristow	6859	18 May.
Harrow. G. Bish	6668	8 Feb.
Harrow. D. C. Kee	7279	21 Nov.
Harrow. J. Voice	7341	18 Dec.
Harrow-forger, Chain. R. Bayley	7191	4 Oct.
Harvester, Potato. J. N. Cocker	7107	6 Sept.
Harvesters. (See also Sheaf-binding harvesters.)		
Hat-rack, umbrella-stand, and clothes-horse, Combined. W. H. Watson	7155	24 Sept.
Head for surveying instruments, Levelling-. A. I. Littlejohn and P. Still	7007	28 July.
Heading machine, Picket-. W. Godecke	6898	11 June.
Headline machine. J. Warnock	7145	19 Sept.
Heater. (See also Bath-heater, Water-heater.)		
Heat-economizer for steam boilers. D. E. Blacke	7172	29 Sept.
Heating apparatus. H. Wakeman	6942	3 July.
Heating apparatus for rooms. J. C. Spinley	6725	14 March.
Heating appliance, Milk-. R. E. Evenden	6794	24 April.
Hedge-cutting machine. G. T. Booth and J. Whall	7003	27 July.
Hemp. (See Flax.)		
Hides, Means for tanning. T. H. L. Bake and H. A. Leverett	7186	8 Oct.
Holder. (See Kerosene-tin bucket.)		
Hopper, Tipping. A. E. Peache	6624	15 Jan.
Horse. (See Rocking-horse.)		
Horse-clipper. D. Little	6637	24 Jan.
Horse-collar. C. J. Royds	6803	27 April.
Horse-collar. M. Beanovitch	6839	8 May.
Horse-collar. T. S. Phillpott	6873	28 May.
Horse-collar. T. S. Phillpott	7117	8 Sept.
Horse-shoe. R. Cockerell	6738	30 March.
Horse-shoe. G. Mander	6941	2 July.
Horse-shoe. The Mail Horse-shoe Syndicate (Foreign Patents), Limited	7074	23 Aug.
Hose-coupler. R. C. Laws	6995	23 July.
Hurdle, Sheep. W. H. Smith	6608	5 Jan.
Hydrant. H. Thomson	6653	5 Feb.
Hydraulic lifts, Means for controlling water of. T. Stevenson	6741	30 March.
Illusions, Optical. J. B. Copland and E. C. Peers	7161	27 Sept.
Implement. (See Gardening)		
Incrustation of boilers, Means for preventing and removing. J. Mackintosh	7265	14 Nov.
Indicator and alarm. H. A. Dando	7069	22 Aug.
Insulating purposes, Application of pumice to. J. C. Firth	7232	25 Oct.
Insulator. G. Clayforth	7258	7 Nov.
Insulator protector, Telegraph. J. T. Williams	7299	1 Dec.
Iron. (See soldering-iron.)		
Ironsand briquettes. E. Purser	6860	19 May.
Iron-water. E. Roget	6833	11 May.
Jack. (See Toast-jack, Jack for vehicle wheels.)		
Jacket, Life. A. H. Hansen	7275	19 Nov.
Jet. (See Gas-jet.)		
Joining wires, Appliances for. A. W. A. Richardson	7160	22 Sept.
Joint. (See also Rail joint, Stamper-battery joint, Waterproof-garment joint.)		
Joint for metallic tubes. L. C. Auldjo	7041	13 Aug.
Joints of earthenware goods. T. W. Twyford	7129	13 Sept.
Judge of races. W. McLaughlin	7278	17 Nov.
Kauri gum, Apparatus for preparing. J. G. Beswick and S. Trevor	6611	11 Jan.
Kauri gum, Apparatus for preparing. J. G. Beswick and S. Trevor	6626	17 Jan.
Kauri gum, Apparatus for preparing. J. G. Beswick and S. Trevor	6649	2 Feb.
Kauri gum, Apparatus for preparing. F. Walker and J. White	7049	13 Aug.
Kerosene pump. J. Coventry	6856	18 May.
Kerosene tank. A. A. Carson	6789	20 April.
Kerosene tin bucket holder. F. S. Cory	6782	16 April.
Kerosene tin holder. G. W. Brodrick	6905	12 June.
Kerosene tins, Tap for. J. Troup	7298	27 Nov.
Kettle. A. G. Kidston-Hunter and J. H. Pledger	6935	26 June.
Kiln. T. Murray	7141	19 Sept.
Kilns, Floorcloth for. D. Nicolson	6705	8 March.
Kilns, Floorcloth for. D. Nicolson	6827	5 May.
Kindler. (See Fire-kindler.)		
Knickers, Cyclists'. Butterworth Bros., N.Z. (Limited.)	7289	26 Nov.
Knife-cleaner. J. H. Porter and P. O'Shea	7059	16 Aug.
Knottling mechanism for sheaf-binding straw-trussing machines. R. Hornsby and Sons (Limited)	7353	27 Dec.
Labels, Standard for garden. F. R. and C. J. Chapman	7206	9 Oct.
Lacquering cans, Machine for. N. Reid and A. H. Turnbull	7223	22 Oct.
Ladder, Life-escape. W. McGuire and J. W. Barker	7302	28 Nov.
Ladder, Step. W. G. Cook	6808	2 May.
Lamp-bracket, Sewing-machine. A. H. Light	7292	28 Nov.
Lamp-burner. G. Aitkens	6829	9 May.
Lamps. (See also Gas-lamps.)		
Lamps, Apparatus for lighting. A. L. J. Tait	7317	6 Dec.
Lamps, Electric-arc. E. Thompson	7036	31 Aug.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention, and Name of Inventor.	No.	Date.
Lamps, Incandescent electric. W. S. Smith and J. F. Nugent	6774	20 Nov. 93
Lamp-wick. A. Pruden	7127	11 Nov.
Landing-net. A. Holmes	6735	27 March.
Latch. E. Cock	6804	28 April.
Launching boats, Apparatus for. C. Fleming	7291	28 Nov.
Laundry work, Presser for. F. J. Porter	7008	23 July.
Leaching-process. F. W. Luick and J. W. McPeake	7094	23 Aug.
Leaching-vat. J. Park, F. W. Luick and G. Peel	6967	9 July.
Leaching-vat, filter, and agitator, Combined. G. Peel	7053	10 Sept.
Lead, Manufacture of white. R. Matthews	7240	2 Nov.
Legging-fastener. H. F. Shepherd	7022	31 July.
Legging-fastener. F. Ryding	7109	6 Sept.
Legging-fasteners. A. F. and W. J. Allechin and S. Morrell	7040	13 Aug.
Letter-boxes, Device for protecting contents of during removal. S. N. von Sturmer and E. Gell	7200	13 Oct.
Letter-clip. W. McKinnon and J. C. McCrea	7142	19 Sept.
Levelling-head for surveyors' instruments. A. I. Littlejohn and P. Still	7007	28 July.
Lever. A. Cole	7205	16 Oct.
Levers for locks. G. J. A. Richardson and G. W. Brodrick	6960	28 June.
Lid for can. R. Burke	6823	7 May.
Lid of butter-box. A. W. Beard	7070	17 Aug.
Lids of cans, Fastening device for. J. P. Luke	7043	14 Aug.
Life-buoy or -belt, Line attachment to. F. Logie	7301	27 Nov.
Life-jacket. A. H. Hansen	7275	19 Nov.
Life-saving apparatus. J. A. Morgan	6969	16 July.
Life-saving suspension-net and ladder. W. McGuire and J. W. Barker	7302	28 Nov.
Lift. (See also Elevators, Hydraulic-lift, Wagon or Dray-lift.)		
Lifts, Brake for. J. Welsby	6607	9 Jan.
Lighter. (See also Fire-lighter.)		
Lighting gas lamps, Method of and apparatus for. W. White and J. A. Wallace	7329	13 Dec.
Lighting lamps and gas jets, Apparatus for. A. L. J. Tait	7317	6 Dec.
Line-attachment to buoys or belts. F. Logie	7301	27 Nov.
Linen-presser. F. J. Porter	7008	23 July.
Links, Machine for making square. R. Bayley	7191	4 Oct.
Linotypes, Machine for producing. E. Waters	7001	26 July.
Liquid temperature regulator. W. W. Crawford	6858	17 May.
Liquids, Apparatus for cooling. H. Lane, J. Pullman, and H. S. Elworthy	7183	8 Oct.
Lock. E. Cook	6804	28 April.
Lock for doors and windows. J. Smith and C. Pratten	6692	27 Feb.
Lock, Mortise. G. J. A. Richardson	6986	19 July.
Lock-nut. J. Vaughan	6916	20 June.
Lock-nut. A. A. Surplice and W. Faram	7311	6 Dec.
Locks, Handles and levers for. G. J. A. Richardson and G. W. Brodrick	6960	28 June.
Logger. H. G. Shannon	6984	23 July.
Lotion. T. Morris	6897	5 June.
Lubricant. S. Davis	6612	11 Jan.
Lubricating compound. G. F. Newman	6911	19 June.
Lubricating device for wheels. E. Sprey	6640	25 Jan.
Lung-worm preventative. J. Clark	6644	26 Jan.
Magnetised wheel power generator. A. L. J. Tait and W. H. Pearson	7282	13 Nov.
Mangle. R. Lochhead	6631	17 Jan.
Manure. E. Richardson, jun.	6648	1 Feb.
Manure. (See also Fertiliser)		
Manure-distributor. J. Macalister	7122	5 Sept.
Manure force-feed. P. Duncan	6614	11 Jan.
Manure machine, Tube for. J. Falconer	7307	1 Dec.
Manure-sower. J. Gray	7039	10 Aug.
Manure-sowers, Regulator for. A. Storrie	7123	5 Sept.
Manuring-machine. W. S. Pillans	7035	7 Aug.
Marble, Artificial. L. Grote	7089	30 Aug.
Marine soundings, Apparatus for correcting. A. B. C. Kenny	6934	13 July.
Mark, Ear-. A. L. Macdonald	6884	30 May.
Mark, Ear-. J. G. Bentley	6888	4 June.
Marker for animals. M. Davies	6715	9 March.
Marker, Meat-. W. J. Caverhill	6753	3 April.
Marking carcasses, Appliance for. E. G. Holloway	6781	20 April.
Marking tobacco, Method of. J. Ross	7253	8 Nov.
Matches, Attachment to clothing for lighting. J. W. Bowman	7163	26 Sept.
Matrices, Machine for producing type. E. Waters	7001	26 July.
Matrices, Machine for producing type. C. Méray-Horvath	6932	28 June.
Mattress. D. Nicolson	6695	27 Feb.
Mattress. F. Rowcliffe	6917	22 June.
Measuring and rolling soft goods, Apparatus for. J. Gorrie	6783	21 April.
Measuring material, Apparatus for. W. F. C. Fail	7283	20 Nov.
Meat. (See also Marker, Meat-)		
Meat-cooling and -salting apparatus. J. Squire	7009	2 Aug.
Meat, Mode of curing. T. Affleck	7262	13 Nov.
Medical battery. J. Tranter	6836	10 May.
Medical dry bath. L. A. Tallerman and E. D. T. Sheffield	7149	21 Sept.
Medicine to sheep, Apparatus for administering. S. G. A. Poppelwell	6599	3 Jan.
Medicine, Sheep. J. Clark	6644	26 Jan.
Medicine, Sheep. R. Brown, B. Burland, W. Gibson, and G. Galbraith	6980	20 July.
Medicine, Sheep, &c. C. W. Langstone	6800	26 April.
Medicine. (See also Foot-rot cure, Iron-water, Lotion, Mineral-water, Tonic.)		
Metallic connections, Treating vitreous substances to make. H. Doulton and J. Slater	6625	17 Jan.
Metals, Extraction and recovery of. H. D. and J. Andrews	7295	26 Nov.
Metals, Extraction of precious. H. L. Sulman and F. L. Teed	7328	13 Dec.
Metals, Recovering, from ores. C. E. Chapman and T. F. Whitford	6748	4 April.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention, and Name of Inventor.	No.	Date.
Metals, Separating precious. W. A'C. G. Birkin	6821	7 May.
Metals, treating, Apparatus for. J. F. C. Farquhar	6915	20 June.
Metals. (See also Gold and Silver)		
Milk-aërating apparatus, &c. R. Varley	6951	13 July.
Milk aëerator and cooler. M. Varley	7178	6 Oct.
Milk aëerator and cooler. G. Adecock and T. Danks	7320	7 Dec.
Milk aëerator, strainer, and cooler. A. Busck	6908	18 June.
Milk-can lid. R. Burke	6828	7 May.
Milk-cans, buckets, &c., Rim for. J. Anderson	7267	12 Nov.
Milk-cans, Fastening device for lids of. J. P. Luke	7043	14 Aug.
Milk-cooler. R. Varley	6951	13 July.
Milk-cooler. F. Ford	6997	25 July.
Milk-cooler. D. McKay	7189	5 Oct.
Milk-cooler and -aëerator. P. Thomson	7151	22 Sept.
Milk, estimating amount of fat in, Apparatus for. A. S. Barham	7213	30 Nov.'93
Milk-heating appliance. R. E. Evenden	6794	24 April.
Milking apparatus. C. G. P. de Laval	7294	28 Nov.
Milking-machines. A. Shields	6750	5 April.
Milking-machines, Release for. J. Callister	6999	26 July.
Milking-pail. A. Billens	7251	7 Nov.
Milk-pail. D. Jones	6769	12 April.
Milk-strainer. J. J. Macky	6791	20 April.
Milk-strainer. T. A. H. Field	7249	7 Nov.
Milk-strainer, aëerator, and cooler. J. B. Johnson	7342	19 Dec.
Milk-strainer, cooler, and aëerator. R. Withell and J. F. Batey	7002	26 July.
Mills. (See Wind-mills, Threshing-mills.)		
Mineral water. E. Roget	6833	11 May.
Mining machinery. F. J. Stuckey	7316	8 Dec.
Mining. (See also Gold.)		
Mixing machine. W. Hinrichs	7315	7 Dec.
Moisture-testing apparatus. W. W. Shelmerdine and J. A. Chapman	7010	26 July.
Mortise lock. G. J. A. Richardson	6986	19 July.
Mosaic floorcloth. F. Walton	7296	28 Nov.
Mosquitoes, Apparatus for excluding from rooms. A. L. Isaacs	7103	31 Aug.
Moths, Apparatus for excluding from rooms. A. L. Isaacs	7103	31 Aug.
Motion, centrifugal, Apparatus for production of. A. Krank	7261	18 Nov.
Motion pins, Device for trueing up. J. Davies	7036	7 Aug.
Motive power, Sea water as. G. W. Blanks	7021	2 Aug.
Mould. (See also Butter-mould.)		
Mould board, Combined ploughshare and. R. Cockerell	6966	18 July.
Mould boards for ploughs. J. A. McGeoch	6704	7 March.
Moulding-box for sandstone. C. A. Peters	6731	21 March.
Mount-cutter. W. Wilson	6652	2 Feb.
Mowers, Finger for. J. P. Richardson	6838	14 May.
Mud-guard for cycles. E. A. Trendall	7051	15 Aug.
Muller. J. Kilgour	7067	18 Aug.
Multiple expansion engine. E. Waters	7000	26 July.
Multitubular boilers, Controlling flow of gases in. Van Hecke's Fuel Economizer Syndicate (Limited)	7196	11 Oct.
Nails. R. Powell	6369	25 May.
Nails, Roofing and fencing. T. A. Thomson and H. Bell	7293	28 Nov.
Napier's diagram, Apparatus for drawing deviation curves for. A. B. C. Kenny	6952	13 July.
Nautical traverse tables, Substitute for. A. B. C. Kenny	6958	14 July.
Necktie-fastener. J. W. Jones	7220	20 Oct.
Needle case and reel. B. H. H. Hooker	6772	14 April.
Net and ladder for life-saving. W. McGuire and J. W. Barker	7302	28 Nov.
Net. (See also Landing-net).		
Nightsoil, Manufacturing into fertiliser. A. G. Kidston-Hunter	6819	3 May.
Nut for fang-bolt. G. A. Troup	7100	5 Sept.
Nut-lock. J. Vaughan	6916	20 June.
Nut, lock. A. A. Surplice and W. Faram	7311	6 Dec.
Nuts on bolts. Securing. H. Tytherleigh	6826	9 May.
Oil matter, Extracting from wool. J. Anderson, jun.	6814	2 May.
Omnibus seat. E. R. Atkin	6728	17 March.
Omnibus seat. E. R. Atkin	6729	17 March.
Optical illusions. J. B. Copland and E. C. Peers	7161	27 Sept.
Ore-feeder. G. Smith, W. J. Hill, W. A. Duly, C. Widdy, and A. W. Goyden	7349	27 Dec.
Ore, Vat for powdered. J. Park and G. W. Horn	7154	15 Sept.
Ores. (See also Gold-, Silver-.)		
Ores, Catcher for dust of crushed. R. Tudehope	7027	9 Aug.
Ores, extracting metals from, Method of. W. Climo	7045	11 Aug.
Ores, extracting metals from, Method of. W. Climo	7046	11 Aug.
Ores, extracting metals from, Method of. W. Climo	7047	11 Aug.
Ores, extraction of precious metals from, Method of. H. L. Sulman and F. L. Teed	7328	13 Dec.
Ores, Furnace for. D. A. Brown	7222	22 Oct.
Ores, manufacture of oxides, &c., from certain, Process and apparatus for. A. Crossley	7352	27 Dec.
Ores, Method of and apparatus for washing and concentrating. C. T. Pike	7344	20 Dec.
Ores, Recovering metals from. C. E. Chapman and T. F. Whitford	6748	4 April
Ores, Treating refractory. E. A. Ashcroft	6914	20 June
Ores, Treatment of. H. L. Sulman	6820	7 May
Ores, Treatment of. H. L. Sulman	6970	18 July
Ores, Treatment of. J. H. Haycraft	7032	9 Aug.
Ores, Treatment of. J. J. Christmas	7084	27 Aug.
Ores, Treatment of. W. J. Weeden	7150	21 Sept.
Ores, Treatment of. H. D. and J. Andrews	7295	26 Nov.
Ova in seeds, destroying parasitic, Mode of and apparatus for. J. B. Crabbe	7313	6 Dec.
Oxides, manufacture of zinc, Process and apparatus for. A. Crossley	7352	27 Dec.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention and Name of Inventor.	No.	Date.
Packing-case, Butter. F. B. Farmar	7116	8 Sept.
Packing for piston-rods, &c. T. Keene	6981	18 July.
Packing fruit, Tray for. H. Soltan and H. Shotlander	6613	10 Jan.
Pack-saddle. M. Beanovitch	6840	8 May.
Pail, Commode. V. E. Poppens	7017	2 Aug.
Pail, Milk. D. Jones	6769	12 April.
Pail, Milking. A. Billens	7251	7 Nov.
Paint. L. Grote	7089	30 Aug.
Paint, Anti-fouling. J. Holliday and A. Cameron	7011	26 July.
Painting cans, Machine for. N. Reid and A. H. Turnbull	7223	22 Oct.
Panoramic scenes. J. Train	6713	10 March
Paper-making machine. R. W. Moncrieff	6933	28 June.
Paper, Trimming and stitching. R. N. Adams	7332	10 Dec.
Parasitic life in seeds, Mode of and apparatus for destroying. J. B. Crabbe	7313	6 Dec.
Pelts, Drying. R. J. Craggs, H. Edwards, M. E. A'Beckett, A. Horrocks, and A. H. Craggs	6749	4 April.
Pencil-sharpener. W. T. Freeman	7056	13 Aug.
Perambulators, Canopy or awning for. J. Clegg	7233	27 Oct.
Petroleum-engine. O. Brünler	6600	4 Jan.
Photographic purposes, Films for. T. H. Blair	7201	13 Oct.
Photography, Production of coloured effects in. L. W. Mence	6855	15 May.
Photography. (See also Prints.)		
Piano accompanist. J. W. Bowman	6641	26 Jan.
Picket-heading machine. W. Godecke	6898	11 June.
Pick, Gold-dredging. R. Cockerell	7348	27 Dec.
Pie-shells, Apparatus for making. C. Byers	7004	27 July.
Pigeon-projector, Counterfeit. A. N. Whitney	6633	23 Jan.
Pigments, Manufacture of coloured. R. Matthews	7240	2 Nov.
Pillow-block, J. Johnston	6851	11 May
Pins. (See also Motion-pins.)		
Pin, Shaft and pole. G. Brownlees	7018	2 Aug.
Pipe. (See also Blow-pipe, Drain-pipe, Water-pipe.)		
Pipe, Tobacco. C. D. Fitzgerald	6615	8 Jan.
Pipe, Tobacco. E. Barron	7312	6 Dec.
Piston-rods, Packing for. T. Keene	6981	18 July.
Plant-protector. E. Rawson	6635	23 Jan.
Plant-protector. E. A. and H. Wakeman	7246	7 Nov.
Plate powder. A. D. Cunningham	6620	15 Jan.
Plough. A. Cruickshank, junr.	6655	30 Jan.
Plough, Ditching. H. E. and F. J. McDonald	6862	14 May
Plough-coulter. G. Bishop	6906	18 June.
Plough-coulter. J. R. Webster	7229	22 Oct.
Ploughs. G. T. Booth	6992	23 July.
Ploughs. (See also Coulter-clip, Furrow-splitter.)		
Ploughs, Mould boards for. J. A. McGeoch	6704	7 March.
Ploughs, Pulverising attachment to. M. Smith	7230	23 Oct.
Ploughshares. W. C. Barton	7176	4 Oct.
Ploughshares and mould-boards, Combined. R. Cockerell	6966	18 July.
Ploughshares, Point for. J. Gray	7061	14 Aug.
Plough, Skeith-centre for. B. Whitham	6678	16 Feb.
Ploughs, Plug and sock for drain-. J. and J. Galt	7113	3 Sept.
Plug and sock for drain-ploughs. J. and J. Galt	7113	3 Sept.
Plug for water-tanks. R. Keyte	7350	29 Dec.
Plummer-block. P. and D. Duncan (Limited)	7024	1 Aug.
Pocket, Watch. G. Henley and J. Henley, sen.	7325	13 Dec.
Point for ploughshares. J. Gray	7061	14 Aug.
Poison, Rabbit. W. W. Sheldermine and J. A. Chapman	6817	28 April.
Poison, Rabbit. T. P. Ransom	6918	22 June.
Poles, Attachment to vehicles of. J. Duncan	6910	19 June.
Poles, Pin-clip for. G. Brownlees	7018	2 Aug.
Post. (See Fencing-post.)		
Potato-digger. J. Vorbach	6925	20 June.
Potato-digger and separator. D. Smith and T. H. Tilley	7087	30 Aug.
Potato-harvesters. J. N. Cocker	7107	6 Sept.
Pot, Cooking. W. T. Nuttall	7101	5 Sept.
Powder, Plate. A. D. Cunningham	6620	15 Jan.
Power-generator, Wheel. A. L. J. Tait and W. H. Pearson	7282	13 Nov.
Power-transmitting apparatus. G. J. Altham	7290	27 Nov.
Precious metals, Extraction of. H. D. and J. Andrews	7295	26 Nov.
Precious metals, Extraction of. H. L. Sulman and F. L. Teed	7328	13 Dec.
Precious metals, Precipitating from cyanide solutions. J. S. MacArthur	6987	23 July.
Precious metals, Separating from ores. W. A'C. G. Birkin	6821	7 May.
Precious Metals. (See also Gold.)		
Precipitating precious metals from cyanide solutions. J. S. MacArthur	6987	23 July.
Press. (See Wool-press, Cheese-press.)		
Presser for cloth, &c. F. J. Porter	7008	23 July.
Pressure-reducing valve. H. Lane, J. Pullman, and H. S. Elworthy	7184	8 Oct.
Primary batteries. S. W. Maquay	6654	5 Feb.
Primary voltaic batteries. W. Walker, jun., F. R. Wilkins, and J. Lones	7259	8 Nov.
Printer. (See Butter-printer.)		
Printers' type-cases. W. H. Boyens and G. Renner	7235	30 Oct.
Printing-machine. T. H. Stackhouse	6700	5 March.
Prints, Actinic. E. J. Tobin	6716	13 March.
Projector, Pigeon-. A. N. Whitney	6633	23 Jan.
Propelling-machine for boats. W. J. Butler	6702	1 Jan.
Propeller. H. Clapham	6664	10 Feb.
Propeller for steam vessels. D. A. Douglas	6616	13 Jan.
Propeller, Screw. A. Coubrough	7264	14 Nov.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued*.

Invention, and Name of Inventor.	No.	Date.
Propellers, Strips for bracing. H. Ganswindt	6797	25 April.
Protector. (See Bicycle-chain protector, Book-protector, Plant-protector, Stream- and river-bank protector, Telegraph-insulator protector).		
Puller. (See stump-puller.)		
Pulleys, preventing slipping of belts on, Covering for. A. J. Hunter	6733	21 March.
Pulverising-attachment to ploughs. M. Smith	7230	23 Oct.
Pulverising-machine. W. Hinrichs	7315	7 Dec.
Pulverising-machines. R. D. Langley	7330	13 Dec.
Pulverising. (See also Crushing, Grinding, and Quartz-reducing.)		
Pulveriser. G. F. P. Lenz and W. Paynter	7132	13 Sept.
Pumice, Application of, for insulating and sanitary purposes. J. C. Firth	7232	25 Oct.
Pumice-drying. J. C. Firth	6618	12 Jan.
Pump. (See also Kerosene-pump).		
Pump. W. Angus	6983	20 July.
Pump, Rotary-. A. G. Adam	7198	11 Oct.
Pumps, Valve-seating for. H. A. Atkinson	7318	8 Dec.
Pump shaft-saver. J. Scott	6722	14 March.
Pump, Syphon-. T. Danks	7173	2 Oct.
Punts, Apparatus for discharging silt from. T. Billington	7219	19 Oct.
Quartz-reducing machine. A. M. McLeod	7048	13 Aug.
Quartz-tailings, Apparatus for reduction of. J. Kilgour	7067	18 Aug.
Rabbit-poison. W. W. Sheldermine and J. A. Chapman	6817	23 April.
Rabbit-poison. T. P. Ransom	6918	22 June.
Rabbit-trap. J. Williamson	6900	9 June.
Rabbit-trap. H. Young	6961	16 July.
Rabbit-trap. T. F. Allan	7112	5 Sept.
Rabbit-trap, Means for preventing useless springing of. E. Jones	6834	8 May.
Racecourse register. W. L. Luxford and A. H. Wylde	6761	13 April.
Races, Device for starting. J. B. Scott	6675	15 Feb.
Races, Judge of. W. McLaughlin	7278	17 Nov.
Races, Machines for starting. J. Crawford	7327	13 Dec.
Race-starter. T. Power	6892	4 June.
Race-starting apparatus. A. Gray	6974	13 July.
Race-starting screen. W. Errington, T. C. Deverell, G. Marshall	6870	25 May.
Racing animals, Apparatus for. D. H. McKenzie	7310	6 Dec.
Raft and chair, Combined. J. M. Henton	6872	26 May.
Raft-binding mode. E. P. Lanigan	7177	4 Oct.
Rail-fastener. G. A. Troup	7100	5 Sept.
Rail-joint. J. Belk and W. R. Haselden	6683	20 Feb.
Rail-joints, Means of fastening. The White Patent Rail-joint Company (Limited)	7075	23 Aug.
Rail-joints, Means of fastening. The White Patent Rail-joint Company (Limited)	7076	23 Aug.
Rails, Switch for. G. Anderson	7199	11 Oct.
Railway. (See also Gravitation-railway).		
Railway brake. C. C. Clifford and J. Carter	6972	18 July.
Railway brake. A. Scoullar	7029	8 Aug.
Railway, Erratic circuit. O. K. Peez	7175	2 Oct.
Railways. J. Belk	7016	31 July.
Railway, Switchback. J. B. Copland and E. C. Peers	7115	7 Sept.
Railway, Switchback. R. W. Hutton	7194	11 Oct.
Rain blowing under doors, Preventing. P. G. Smith	6886	4 June.
Range. (See also cooking- and heating-range).		
Ranges, Water-heater for. C. L. Croxford	7058	13 Aug.
Reaper-and-binder, Attachment to. H. Birch	7335	20 Nov.
Reaper-and-binder safety. J. Diack and G. McHattie	7309	4 Dec.
Reapers, Finger for. J. P. Richardson	6838	14 May.
Receiver. (See Telephone-receiver).		
Recording votes, Apparatus for. J. H. Boundy	6606	9 Jan.
Reel and needle case, Combined. B. H. H. Hooker	6772	14 April.
Refining butter, lard, oils, &c., Process of. J. H. and C. H. Campbell	7241	2 Nov.
Refrigerating apparatus. A. Gordon	7054	15 Aug.
Refrigerating car. M. W. Judell	7197	11 Oct.
Refrigerating. (See also Air-compressor, Ammonia-compressor, Cold-air machinery, Cooling, Freezing, Gases.)		
Register. (See Racecourse register).		
Registering machine. C. H. Brooker	7285	23 Nov.
Regulating device for manure-sowers. A. Storrie	7123	5 Sept.
Regulating roller for seed-sowing machines. A. Storrie	7119	5 Sept.
Regulator. (See also Gas-flow regulator, Liquid regulator).		
Regulator for seed-sowing machines. J. Dunbar	7120	5 Sept.
Release for milking-machines. J. Callister	6999	26 July.
Resistance to vessels moving in water, Means for diminution of. T. C. Bayldon and G. P. Hilton	6926	27 June.
Riding-saddle. H. Gentles and J. I. Knight	6978	16 July.
Rim for milk-cans, buckets, &c. J. Anderson	7267	12 Nov.
River-bank protector. A. R. Mackay	6929	27 June.
Rivers, Appliance for deepening. P. Nolan	7137	13 Sept.
Rock-drill. W. Troutbeck	7224	22 Oct.
Rocking-cradle. D. Dunn	7216	18 Oct.
Rocking-horse. J. Swinnerton	6755	5 April.
Rod, Surveyors' centering. C. Bristow	6609	9 Jan.
Roller. (See Field-roller).		
Rolling and measuring soft goods, Apparatus for. J. Gorrie	6783	21 April.
Rolling-stock. J. A. Belk	7016	31 July.
Rooms, Apparatus for excluding insects from. A. L. Isaacs	7103	31 Aug.
Rotary engine. F. Smith, C. A. Seebeck	6852	16 May.
Rotary motion, Apparatus for producing. A. Krank	7261	13 Nov.
Rotary pump. A. G. Adam	7198	11 Oct.
Roundabout. J. Armitage and A. and G. C. Herschell	7351	27 Dec.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—continued.

Invention, and Name of Inventor.	No	Date.
Roundabout, Bicycle. T. W. Davidson	7254	6 Nov.
Rubbish bin. H. F. Davis and A. Suttie	6825	8 May.
Rule. R. O'Donovan	6885	4 June.
Ruler, Advertising. A. R. Hislop and J. Slater and A. Alexander	6706	8 March.
Rushes, Machine for cutting. C. P. Nelson	7277	20 Nov.
Saddle. C. J. Royds	6803	27 April.
Saddle, Pack. M. Beanovitch	6840	8 May.
Saddle, Riding. H. Gentles and J. I. Knight	6978	16 July.
Salting meat, Apparatus for. J. Squire	7009	2 Aug.
Salts of zinc, Art of preparing solutions carrying. P. C. Choate	6867	25 May.
Sand. (See Auriferous sand.)		
Sandstone, Moulding-box for. C. A. Peters	6731	21 March.
Sanitary appliances. V. E. Poppens	7017	2 Aug.
Sanitary purposes, Application of pumice to. J. C. Firth	7232	25 Oct.
Sashes. (See Window-sashes.)		
Saver. (See Fuel-saver, Gold-saver.)		
Saving, Net and ladder for life. W. McGuire and J. W. Barker	7302	28 Nov.
Scale-weighting apparatus. E. C. Chard	6659	6 Feb.
Scoop, adze, and hammer, Combined. J. Lowden and J. Maw	7068	22 Aug.
Scouring wool, Method of and apparatus for. F. N. Turney	6764	14 April.
Screens, Window. J. H. Beamish	7082	23 Aug.
Screw blanks. R. Powell	6869	25 May.
Screw-propellor. A. Coubrough	7264	14 Nov.
Scull for boats. J. Reid	6762	11 April.
Scutching machine, Flax. The Fibre Machinery Company (Limited)	7152	22 Sept.
Scutching machine, Flax. The Fibre Machinery Company (Limited)	7153	22 Sept.
Scutching machine. W. Toogood	6899	12 June.
Seat. (See Carriage-seat, Omnibus-seat, Vehicle-seat.)		
Seating for pumps, Valve. H. A. Atkinson	7318	8 Dec.
Sea water as a motive power. G. W. Blanks	7021	2 Aug.
Seed-cleaner. W. Hay	6770	18 April.
Seed-cleaner. W. Hay	6771	18 April.
Seed-cleaning machine. W. Andrews and A. W. Beaven	6667	10 Feb.
Seed-distributor. H. Quertier	6816	30 April.
Seed-drawer. W. Doubleday	6939	30 June.
Seed-sowing machine, Tube for. J. Falconer	7307	1 Dec.
Seeds, Method of and apparatus for destroying parasitical life in. J. B. Crabbe	7313	6 Dec.
Seed-separator. G. G. Stead, D. B. McLaren, and J. Curtis	6946	5 July.
Seed-sower, Coulter-clip for. J. Macalister	7121	5 Sept.
Seed-sowing implement. J. Ferguson	7190	9 Oct.
Seed-sowing machine. W. S. Pillans	7035	7 Aug.
Seed-sowing machine, Feeder and regulator for. J. Dunbar	7120	5 Sept.
Seed-sowing machine, Feed-regulating roller for. A. Storrie	7119	5 Sept.
Seed-sowing machine, Regulating device for. J. Storrie	7123	5 Sept.
Seed-threshing machine. W. A. McLaren, W. Andrews, and A. W. Beaven	6754	4 April.
Seed-threshing, shelling, and dressing-machine. J. Greenslade	7281	22 Nov.
Seeds. (See also Clover, Grain.)		
Separator. (See Gold-separator, Potato-separator)		
Sewing-machine lamp-bracket. A. H. Light	7292	28 Nov.
Shaft. (See also Pump-shaft.)		
Shaft-pin. G. Brownlees	7018	2 Aug.
Shaft tug. C. Bristow	6859	18 May.
Shafts, Cart. J. and G. Dash	6921	25 June.
Shafts, Attachment to vehicles of. J. Duncan	6910	19 June.
Share, Combined mould-board and plough. R. Cockerell	6966	18 July.
Shares, Plough. W. C. Barton	7176	4 Oct.
Shares, Point for plough. J. Gray	7061	14 Aug.
Sharpener, Pencil. W. T. Freeman	7056	13 Aug.
Sheaf-binding harvesters. E. Samuelson	7187	8 Oct.
Sheaf-binding machine, Knotting mechanism for. R. Hornsby and Sons (Limited)	7353	27 Dec.
Shearing. (See Sheep-shearing machine.)		
Sheep brand. A. L. Macdonald	6864	19 May.
Sheep, Cure of foot-rot in. G. and M. Squire	6889	4 June.
Sheep-dipper. J. E. Harries and E. H. Featon	6666	9 Feb.
Sheep-drencher. W. Parkerson	6896	5 June.
Sheep, &c., Drenching apparatus for. S. G. A. Poppelwell	6599	3 Jan.
Sheep-feed box. T. Harris	6924	18 June.
Sheep-feeding trough. T. G. Yates	7031	6 Aug.
Sheep-hurdle. W. H. Smith	6608	5 Jan.
Sheep medicine. J. Clark	6644	26 Jan.
Sheep medicine. C. W. Langstone	6800	26 April.
Sheep medicine. R. Brown, B. Burland, W. Gibson, and G. Galbraith	6930	20 July.
Sheep-shearing machine. T. O. Turnbull	6745	3 April.
Sheep-shearing machine. J. D. Scouler	6936	30 June.
Sheep-shearing machine. T. Grace	6977	19 July.
Sheep-shearing machine. W. M. Noakes and E. J. Clarkson	6989	23 July.
Sheep-shearing machine. C. W. Pitman	7212	18 Oct.
Sheep-shearing machine. C. and H. Burgon	6776	19 April.
Sheep-shearing machine, Gear for driving. C. and H. Burgon	6777	19 April.
Sheep-shearing machines. F. H. Davis	7169	3 Oct.
Sheep-shears. P. J. Mitscherlich	6806	28 April.
Sheller, Clover. J. Osborne	6792	20 April.
Sheller, Clover. F. W. Anderson	6882	30 May.
Sheller, Clover. W. Doubleday	6939	30 June.
Sheller, Shell or concave for clover. W. Doubleday	7192	9 Oct.
Shelling. (See also Clover-shelling, Grain-shelling, Seed-shelling.)		
Shelling-machine. J. Greenslade	6638	25 Jan.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—continued.

Invention, and Name of Inventor.	No.	Date
Ships' davits. C. Fleming	7291	28 Nov.
Shirt-sleeves, Cuffs for. J. E. Buchan	7106	6 Sept.
Shoe. (See also Horse-shoe.)		
Shoe. F. Dryland	6630	17 Jan.
Shoe. C. S. Nott	6645	29 Jan.
Shoe. J. C. M. Karsten	6818	2 May.
Shoe. J. C. M. Karsten	7005	26 July.
Shoe. J. Suckling	7102	1 Sept.
Shoe-stand. G. Tucker	7095	29 Aug.
Shoe, Toe-stiffener for. J. C. M. Gulleford	7097	31 Aug.
Shoe-upper. R. W. Sceats	7255	3 Nov.
Shop-shutters. J. H. Beamish	7082	23 Aug.
Shutters. J. H. Beamish	7082	23 Aug.
Sight-testing. J. R. Procter	6912	19 June.
Silo. M. S. Campbell	7179	5 Oct.
Silt-discharger. T. Billington	7219	19 Oct.
Silver. (See also Gold.)		
Silver, Method of extracting. W. Climo	7045	11 Aug.
Silver, Method of extracting. W. Climo	7047	11 Aug.
Silver, Method of extracting. F. W. Luick and J. W. McPeake	7094	23 Aug.
Silver, Method of extracting. J. A. Walker	7337	17 Dec.
Sink. J. and T. Christie	7166	28 Sept.
Siren. A. S. Ford	7354	27 Dec.
Skeith-centre for ploughs. B. Whitham	6678	16 Feb.
Skins, drying, Method of. R. J. Craggs, H. Edwards, M. E. A'Beckett, A. Horrocks, and A. H. Craggs	6749	4 April.
Skins, Removing wool from. W. F. Bastings	6881	28 May.
Skins, Tanning. T. H. L. Bake and H. A. Leverett	7186	8 Oct.
Slide-valve. W. H. Duncan	6796	25 April.
Slimes, Intercépting, and concentrating metal in. E. E. Nesbit	6720	14 Mar.
Slipper. J. C. M. Karsten	7005	26 July.
Slippers. C. S. Nott	6645	29 Jan.
Slippers. J. C. M. Karsten	6818	2 May.
Slippers. J. C. M. Karsten	7005	26 July.
Slippers. J. Suckling	7102	1 Sept.
Sluice-box. D. Mason and R. T. Wheeler	6963	12 July.
Sluice-boxes, Cloth for. D. Nicolson	6827	5 May.
Sluicing, Pipes for. R. Whittingham	7012	25 July.
Soap. R. Yarrow and A. J. Fisher	6964	13 July.
Soap. M. Smith	7256	10 Nov.
Sock and plug for drain-ploughs. J. and J. Galt	7113	8 Sept.
Sofa-bed combination. N. Lamont	6623	13 Jan.
Soft goods, Measuring, rolling, &c. J. Gorrie	6783	21 April.
Soldering-iron. H. Wakeman	6942	3 July.
Soundings, Apparatus for correcting. A. B. C. Kenny	6954	13 July.
Sower. (See Manure-sower, seed-sower.)		
Spark-extinguisher. H. O'Hara and J. A. Wallace	6795	24 April.
Speed-device for seed- and manure-sowers. A. Storrie	7123	5 Sept.
Splicer, Wire. J. B. Gould	7140	19 Sept.
Splitter, Furrow. A. W. Legg	7181	8 Oct.
Spouting. D. A. Douglas	6651	2 Feb.
Square. R. O'Donovan	6885	4 June.
Stamper-battery wiper joint. J. McKay and J. C. Teare	6891	4 June.
Stand. (See Boot and shoe-stand.)		
Standard, Fencing. W. Wylie	7146	17 Sept.
Stand for bicycles. G. J. A. Richardson and J. Moffett	7207	13 Oct.
Stand for boots, &c. G. Tucker	7095	29 Aug.
Stand, Umbrella. W. H. Watson	7155	24 Sept.
Standard for garden-labels. F. R. and C. J. Chapman	7204	9 Oct.
Staple-extractor. R. O'Donovan	6885	4 June.
Staple-extractor. E. Harrow	6893	4 June.
Starter, Race. J. B. Scott	6675	15 Feb.
Starter, Race. T. Power	6892	4 June.
Starter, Race. A. Gray	6974	18 July.
Starting races, Machines for. J. Crawford	7327	13 Dec.
Starting screen for races. W. Errington, T. C. Deverell, and G. Marshall	6870	25 May.
Staves, Machine for jointing, &c. J. W. and T. G. Lahey	7088	30 Aug.
Staves, Machine for shaping. T. Cook	7270	17 Nov.
Steam, Separating grease from exhaust. G. E. Hudson, G. Sanderson, and W. J. Baker	6982	18 July.
Steam. (See also Boilers.)		
Steamer, food-warmer, and boiler combined. C. A. Port	6975	14 July.
Steamers, Diminution of surface-friction of. T. C. Bayldon and G. P. Hilton	6926	27 June.
Steamers, Spindle-shaped ocean. W. L. Winans	6747	4 April.
Steamships, Steering apparatus for. E. Clempson	7334	10 Dec.
Steering apparatus for steamships. E. Clempson	7334	10 Dec.
Steering appliance for boats. W. J. Butler	6702	1 March.
Steering gear for boats. G. J. Norton	6680	19 Feb.
Stencils, Machines for printing from. T. H. Stackhouse	6700	5 March.
Sterilising parasitic ova in seeds. J. B. Crabbe	7313	6 Dec.
Stiffener for toes of boots, &c. J. C. W. Gulleford	7097	31 Aug.
Stirrup. W. H. Boyens and R. J. McCullough	7159	26 Sept.
Stirrup-bar. W. H. Boyens and R. J. McCullough	7182	8 Oct.
Stitching machine, Paper. R. N. Adams	7332	10 Dec.
Stone, Artificial. L. Grote	7089	30 Aug.
Stopper, Bottle. G. W. Browne	7080	26 July.
Stopper, Bottle. J. Sorley	6622	16 Jan.
Storm-compass. A. B. C. Kenny	6953	13 July.
Stove, Burner for. G. Aitkens	6829	9 May.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention, and Name of Inventor.	No.	Date.
Strainers. (See Milk-strainers, Wire-strainers.)	6829	9 May.
Straw-trussing machine, Knotting mechanism for. R. Hornsby and Sons (Limited)	7353	27 Dec.
Streams, Protector for banks of. A. R. Mackay	6929	27 June.
Street-sweeping machine. C. Walkden	6719	12 March.
Stretcher. (See Fabric-stretcher.)		
Stripper, Hemp-. T. H. Smith	7304	3 Dec.
Strips for bracing aerial vehicles, turbines, &c. H. Ganswindt	6797	25 April.
Stud for wearing apparel. F. W. Payne	6757	4 April.
Stumper. H. G. Shannon	6984	23 July.
Stump-extracting machine. J. Pomeroy and F. Tarran	7144	20 Sept.
Stump-extractor. A. C. Prentice	6807	1 May.
Stump-extractor. W. S. Dudson	6832	10 May.
Stump-extractor. R. Cockerell	6920	25 June.
Stump-extractor. D. E. Smith and J. Palmer	6994	24 July.
Stump-extractor. W. S. Dudson	7030	8 Aug.
Stump-extractor. F. H. Wrigley	7066	22 Aug.
Stump-extractor. J. Drummond	7085	29 Aug.
Stump-extractor. J. Drummond	7238	21 Nov.
Stumping-machine. R. Burton	7065	22 Aug.
Stumping-machine. G. P. Hausmann	7104	5 Sept.
Stump-puller. W. Tinline and J. Drummond	6948	11 July.
Substitute for nautical traverse tables. A. B. C. Kenny	6958	14 July.
Sugar manufacturing, Method and apparatus for. J. E. Pellegrini	6691	26 Sept.
Sulky. R. Le P. Trench	7147	21 Sept.
Sulky. T. Walker	7268	13 Nov.
Sulphates, Manufacture of. A. Crossley	7352	27 Dec.
Sulphides, Manufacture of. A. Crossley	7352	27 Dec.
Surgical truss. W. W. Sommerville	6842	10 May.
Surveying instruments, Levelling and traversing heads for certain. A. I. Littlejohn and P. Still	7007	28 July.
Surveying operations, Traverser and clinometer for use in. E. Bath and D. Whitburn	7300	28 Nov.
Surveyors' centreing-rod. C. Bristow	6609	9 Jan.
Suspender, Clothing. E. Bell	7314	4 Dec.
Sweeping-machine for streets. C. Walkden	6719	12 March.
Swimming apparatus. J. A. Morgan	6969	16 July.
Switchback railway. R. M. Macdonald	6878	31 May.
Switchback railway. J. B. Copland and E. C. Peers	7115	7 Sept.
Switchback railway. R. W. Hutton	7194	11 Oct.
Switch for rails or tracks. G. Anderson	7199	11 Oct.
Syphon. E. L. Grigg	7139	14 Sept.
Syphon pump. T. Danks	7173	2 Oct.
Table. W. J. Wilshire	6887	4 June.
Table and desk, Advertising. A. D. Ludlow	7239	2 Nov.
Tables. (See also Billiard-tables, Nautical traverse-tables.)		
Tabletop, Method and means for mounting. W. Droesser	6923	25 June.
Tailings, Treatment of. H. D. and J. Andrews	7295	26 Nov.
Tallying apparatus for bagging-machine. J. Middleton	6744	31 March.
Tallying-machine. J. Greenslade	7271	15 Nov.
Tallying. (See also Calculating and counting.)		
Tank. (See also Kerosene-tank.)		
Tank, Plug for water-. R. Keyte	7350	29 Dec.
Tanning. T. H. L. Bake and H. A. Leverett	7186	8 Oct.
Tanning process. H. Godsiff	6699	3 March.
Tap. J. Troup	7298	27 Nov.
Tap, Water-. G. Bodley	6690	26 Feb.
Teacher, Bicycle. G. J. A. Richardson and J. Moffett	7207	13 Oct.
Telegraph insulator protector. J. T. Williams	7299	1 Dec.
Telephone-receiver, Ear-piece for. J. W. Kinniburgh	6874	28 Oct. '93
Temperature, Apparatus for detecting variations in. J. Lowden	7125	6 Sept.
Testing. (See Sight-testing.)		
Therapeutic purposes, Producing vapour for. W. B. Mason	6847	15 May.
Thermo-electric generator. H. B. Cox	6880	23 May.
Thermostat. A. Shiels	6973	18 July.
Thinner, Turnip. R. Swale, senr.	7308	3 Dec.
Threshing. (See also Clover-threshing, Grain-threshing, Seed-threshing.)		
Threshing-machine. J. Greenslade	6638	25 Jan.
Threshing-machine. J. Osborne	6792	20 April.
Threshing-mill concave. A. Evans	7339	15 Dec.
Ticket, Advertising. V. Carandini	6621	15 Jan.
Ticket-delivering contrivance. G. Percy	7111	5 Sept.
Ticket-issuing apparatus. C. Tucker	7324	13 Dec.
Tide, Utilising for motive-power. J. E. Taylor	6788	17 April.
Tightening tires, Apparatus for. W. T. Mackey	6763	14 April.
Tile-laying machines. O. B. H. Hanneborg	6813	2 May.
Time-indicator for trains, trams, &c. J. Morton	6938	28 June.
Tin, Apparatus for washing and saving. R. T. Coghlan	6976	19 July.
Tin-can. A. Harvey	6662	8 Feb.
Tines, Cultivator with spring. P. and D. Duncan (Limited)	7210	16 Oct.
Tin-holder. F. S. Cory	6937	27 June.
Tin-holder, Kerosene. G. W. Brodrick	6905	12 June.
Tipping-hopper. A. E. Peache	6624	15 Jan.
Tire. W. G. Crossley	7322	6 Dec.
Tires, Machine for setting. J. B. West	7343	20 Dec.
Tires, tightening, Apparatus for. W. T. Mackey	6763	14 April.
Tire, Wheel-. C. F. Storey	6636	23 Jan.
Toast-jack. L. Clapham	6311	2 May.
Tobacco-leaf cigarette-wrappers, Machines for cutting. A. Moonelis	7019	3 Aug.
Tobacco, Process of marking. J. Ross	7253	8 Nov.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention, and Name of Inventor.	No.	Date.
Toe stiffener, Boot-. J. C. W. Gulleford	7097	31 Aug.
Tonic. G. E. Warburton	7236	25 Oct.
Tooth. (See Grubber-tooth.)		
Torpedo, Aërial. G. Allen	6756	6 April.
Totalisator. R. M. Macdonald	6824	7 May.
Totalisator. R. M. Macdonald	6928	27 June.
Totalisator. J. Greenslade	7271	15 Nov.
Toy. D. Whitburn and L. Bennett	6927	22 June.
Tracks, Switch for. G. Anderson	7199	11 Oct.
Tram-car wheels. R. M. Macdonald	6714	10 March.
Tram-car life-guard. J. K. Boon and W. J. Stevens	6790	20 April.
Tramway-brake. A. Scoullar	7029	8 Aug.
Tramways. J. A. Belk	7016	31 July.
Transmitting apparatus, Power-. G. J. Altham	7290	27 Nov.
Trap, Counterfeit Pigeon. A. N. Whitney	6633	23 Jan.
Trap. (See also Gully-trap, Rabbit-trap.)		
Trap, Animal- and bird-. E. Sprey	7138	14 Sept.
Trap-drain. J. and T. Christie	7136	12 Sept.
Trapping appliance for rabbits, &c. T. F. Allan	7112	5 Sept.
Traverser. E. Bath and D. Whitburn	7300	28 Nov.
Traverse-tables, Substitute for nautical. A. B. C. Kenny	6958	14 July.
Traversing-head for surveying instruments. A. I. Littlejohn and P. Still	7007	28 July.
Tray, Billy. J. W. McIvor	7217	18 Oct.
Tree-extracting machine. J. Pomeroy and F. Tarran	7144	20 Sept.
Tree-extractor. (See also Stump-extractor.)		
Tricycle. W. H. Boyens	6647	1 Feb.
Tricycle-chain protector. L. Cerchi	6730	21 March.
Tricycle-gear case. M. Grainger	6854	15 May.
Tricycles. (See also Bicycles, Cycles, and Velocipedes.)		
Tricycles. W. H. Boyens	7203	15 Oct.
Tricycles, Driving mechanism for. A. O. Collier	7288	26 Nov.
Trimming machine, Paper-. R. N. Adams	7332	10 Dec.
Trotting horses, Weight for hoofs of. J. Richards.	6603	4 Jan.
Trueing-up motion pins, Device for. J. Davies	7036	7 Aug.
Truss. (See Surgical truss.)		
Trussing-machine, Knotting mechanism for. R. Hornsby and Sons (Limited)	7353	27 Dec.
Tube cleaner, Boiler-. W. Armstrong	7226	22 Oct.
Tube for seed and manure machines. J. Falconer	7307	1 Dec.
Tubes, Method of joining metallic. L. C. Auldjo	7041	13 Aug.
Tug. (See Shaft-tug.)		
Tunnelling machinery. F. J. Stuckey	7316	8 Dec.
Turbines, Strips for bracing. H. Ganswindt	6797	25 April.
Turnip-thinner. R. Swale, sen.	7308	3 Dec.
Turnstiles, Attachment for regulating. R. M. Macdonald	7071	20 Aug.
Twitch-grubber. D. Watson	7306	1 Dec.
Twitch harrow. J. Voice	7341	18 Dec.
Type-cases, Printers'. W. H. Boyens and G. Renner	7235	30 Oct.
Type-matrices, Machine for producing. E. Waters	7001	26 July.
Type-matrices, Machines for producing. C. Méray-Horvath	6932	28 June.
Type-writing machine. M. A. Wier	7157	26 Sept.
Umbrellas, Carrying attachment for. A. Cussen	6759	11 April.
Umbrella-stand, clothes-horse, and hat-rack, Combined. W. H. Watson	7155	24 Sept.
Urinals, Joint for. T. W. Twyford	7129	13 Sept.
Utensil. (See Domestic utensil)		
Valve. (See also Ball valve, Bottling-machine valve, Brake valve, Pressure-reducing valve, Slide valve.)		
Valve, High-pressure. J. L. Barlow	6760	12 April.
Valve seating for pumps. H. A. Atkinson	7318	8 Dec.
Vamping appliance. J. W. Bowman	6641	26 Jan.
Vapourising apparatus. W. B. Mason	6846	15 May.
Vapour producing, Composition for. W. B. Mason	6847	15 May.
Variations in temperature, Apparatus for detecting. J. Lowden	7125	6 Sept.
Vat, Filter, agitator and leaching-, Combined. G. Peel	7053	10 Sept.
Vat for powdered ore. J. Park and G. W. Horn	7154	15 Sept.
Vat, Leaching-. J. Park, F. W. Luick, and G. Peel	6967	9 July.
Vehicle brake. W. S. Dudson	6684	21 Feb.
Vehicle brake. J. Binsted	6689	21 Feb.
Vehicle brake. W. Reeves	6711	10 March.
Vehicle brake. C. C. Clifford and J. Carter	6972	18 July.
Vehicle brake. M. Belk	7227	25 Oct.
Vehicle seat. E. R. Atkin	7134	11 Sept.
Vehicle wheel. J. P. Dinham and S. Kidman	7077	23 Aug.
Vehicle wheels, Jack for. J. Webber	7167	28 Sept.
Vehicles. (See also Aërial vehicles, Axles, Buggy, Carriage-seat, Drays, Dray-lifting machines, Go-cart, Omnibus-seat, Pole-clip, Shafts, Tires.)		
Vehicles, Attaching animals to. E. Bailey	6676	16 Feb.
Vehicles, Connecting animals to. T. H. Brigg	6673	15 Feb.
Vehicles, Connecting animals to. T. H. Brigg	6674	15 Feb.
Vehicles, Shaft-tug for. C. Bristow	6859	8 May.
Vehicles, Strips for bracing aërial. H. Ganswindt	6797	25 April.
Velocipedes. (See also Bicycles, Cycles, and Tricycles.)		
Velocipede. G. B. H. Austin	7211	18 Oct.
Velocipedes. P. A. Pritchett	7014	31 July.
Velocipedes, Driving mechanism for. A. O. Collier	7288	26 Nov.
Velocipede wheel. W. Doig	6785	21 April.
Venetian-blind. W. Gee	7133	12 Sept.
Ventilating apparatus. J. C. Spinley	6725	14 March.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention, and Name of Inventor.	No.	Date.
Ventilating-fan. C. Bristow	6746	3 April.
Ventilator. T. Burnard	7273	17 Nov.
Ventilator for waterproofs. W. R. C. Fox	7118	10 Sept.
Vessels. (See Steamers, &c.)		
Vitreous substances for metallic connections, Treating. H. Doulton and J. Slater	6625	17 Jan.
Volatilized portion of fumes, Collecting. H. O'Hara and J. A. Wallace	6795	24 April.
Vote-recording machine. J. H. Boundy	6606	9 Jan.
Voting-machine. E. H. Brooker	7285	23 Nov.
Wagon-lifting machine. O. Krug and C. Bussing	6968	12 July.
Wagon-wheels, Jack for. J. Webber	7167	28 Sept.
Walking-sticks, Carrying attachment for. A. Cussen	6759	11 April.
Warmer, Food-, boiler, and steamer combined. C. A. Port	6975	14 July.
Washing. (See also Clothes-washing, Currant-washing, Hemp-washing, Wool-washing.)		
Washing, Apparatus for gold-, &c. R. T. Coghlan	6976	19 July.
Washing apparatus for wool and clothes. A. Ambler	7090	25 Aug.
Washing-board. J. H. O'Brien	6709	9 March.
Washing-board. R. B. Williams	7347	19 Dec.
Washing-machine. F. G. Sherer	6665	8 Feb.
Washing-machine. W. G. Cook	6809	2 May.
Washing-machine. H. L. Cottrell	7064	13 Aug.
Washing-machine for alluvial deposits. J. Jerger	6708	9 March
Washing ores, Method of and apparatus for. C. F. Pike	7344	20 Dec.
Washing purposes, Gloves for. H. Collier	7098	3 Sept.
Washing wool, Method and means of. J. Anderson, jun.	6814	2 May.
Watch-pocket. G. Henley and J. Henley, sen.	7325	13 Dec.
Water. (See Iron water, Mineral water.)		
Water-closet cistern. R. Yarrow	6697	27 Feb.
Water-closets, Joint for. T. W. Twyford	7129	13 Sept.
Water-heater. W. N. Morriss and R. H. Smith	6723	15 March.
Water-heater. W. H. Hannam	6822	7 May.
Water-heater. A. K. Walker	7260	13 Nov.
Water-heater for ranges. C. L. Croxford	7058	13 Aug.
Water, Jacket for sustaining persons in. A. H. Hansen	7275	19 Nov.
Water-pipe. R. Whittingham	7012	25 July.
Waterproof garments. E. S. Helwitz	7250	8 Nov.
Waterproof garments, Joints for. S. and H. Weingott	7078	23 Aug.
Waterproof garments, Ventilator for. W. R. C. Fox	7118	10 Sept.
Water-tank, Plug for. R. Keyte	7350	29 Dec.
Water-tap. G. Bodley	6690	26 Feb.
Water to boilers, Means for supplying. J. H. Walker	7297	27 Nov.
Weather-board. J. B. Robbie	7269	13 Nov.
Weed-eradicator implement. R. Mackinnon	7248	1 Nov.
Weed extractor. J. Ferguson	7114	7 Sept.
Weighing apparatus. E. C. Chard	6659	6 Feb.
Weighing apparatus. W. C. Robison and W. F. Howlett	7083	27 Aug.
Weight-bar for hoofs of trotting horses. J. Richards	6603	4 Jan.
Well-sinking apparatus. R. M. Macdonald	7126	6 Sept.
Wells, Appliances for sinking artesian. J. Osborne	6602	4 Jan.
Wells, Appliances for sinking artesian. J. Osborne	6604	6 Jan.
Wet, Determining whether materials are. E. Richardson, jun.	6742	30 March.
Wheel. J. D. Everett	6784	21 April.
Wheel. W. Doig	6785	21 April.
Wheel. J. W. Brougham and E. F. Maleczek	6798	25 April.
Wheel-power generator. A. L. J. Tait and W. H. Pearson	7282	13 Nov.
Wheels. (See also Tram-car wheels.)		
Wheels of vehicles, Lifting. O. Krug and C. Bussing	6968	12 July.
Wheels of vehicles, Jack for. J. Webber	7162	28 Sept.
Wheels, Strips for bracing wind. H. Ganswindt	6797	25 April.
Wheel-tire. (See Tires.)		
Wheel, Vehiele. J. P. Dinham and S. Kidman	7077	23 Aug.
Whiffletree. E. Spray	6689	25 Jan.
Whisk. J. Carder	7110	5 Sept.
Whisk. (See also Beater.)		
Whistle. A. S. Ford	7354	27 Dec.
Wick, Lamp. A. Pruden	7127	11 Sept.
Windmills. T. Danks	6950	9 July.
Windmills. J. Marshall	7252	7 Nov.
Wind-wheels, Strips for bracing. H. Ganswindt	6797	25 April.
Window-fastener. E. B. Jones and W. A. Ashley	6835	10 May.
Window-glass, Preventing from becoming foggy. O. M. Kreissig	6853	17 May.
Window-lock. J. Smith and C. Pratten	6692	27 Feb.
Window-sash. W. Turnbull	6956	13 July.
Window-sashes. C. J. Cooze	7164	28 Sept.
Window-sashes, Adjusting position of vehicle. D. T. Seymour	6786	21 April.
Window-sashes, Reversible. C. Bethell	6727	19 March.
Window-sash hanger. R. H. Austin	6681	24 Jan.
Window-screen. J. H. Beamish	7082	23 Aug.
Winnowing-machine. W. Hay	6771	18 April.
Wiper-joint, Stamper-battery. J. McKay and J. C. Teare	6891	4 June.
Wire-clamp and gauge. R. O'Donovan	6885	4 June.
Wire-clip for fencing purposes. R. Marshall	7025	6 Aug.
Wire-splicer. J. B. Gould	7140	19 Sept.
Wire-strainer. J. T. Walker	6646	29 Jan.
Wire-strainer. J. Crawley	6703	6 March.
Wire-strainer. J. Crawley	6707	8 March.
Wire-strainer. W. Officer	6710	9 March.
Wire-strainer. W. J. Nankivell	6740	30 March.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued*.

Invention, and Name of Inventor.	No.	Date.
Wire-strainer. E. S. McGill	6802	23 April.
Wire-strainer. J. Simpkin	6894	4 June.
Wire-strainer. E. Keiller	6895	6 June.
Wire-strainer. W. Ward and J. Harvey	7105	6 Sept.
Wire-strainer. R. S. Haughton	7143	19 Sept.
Wire-strainer. A. W. A. Richardson	7160	22 Sept.
Wire-strainer. J. Crook	7266	13 Nov.
Wire-strainer. W. S. Pillans and P. Boyd	7286	22 Nov.
Wire-strainer. A. Sutherland	7303	3 Dec.
Wire-straining apparatus. J. T. Walker	6726	16 March.
Wire-tightener. G. W. Tiffen	6993	20 July.
Wire-tightener. E. Hayes	7206	12 Oct.
Wire-woven floorcloth for kilns, &c. D. Nicolson	6705	3 March.
Wood, Filling for surface of. J. P. Ward	6943	4 July.
Wool-cleansing, Method and apparatus for. F. N. Turney	6764	14 April.
Wool-cleansing apparatus. A. Ambler	7090	25 Aug.
Wool, Determining whether wet or dry. E. Richardson, jun.	6742	30 March.
Wool-drying, Method of. R. J. Craggs, H. Edwards, M. E. A'Beckett, A. Horrocks, and A. A. Craggs	6749	4 April.
Wool-drying apparatus. B. W. Glass	7135	13 Sept.
Wool-press. J. R. Newton	6743	31 March.
Wool-press. W. S. Dudson	6801	26 April.
Wool-press. J. Moderate	6955	13 July.
Wool-press. D. Patton	7023	2 Aug.
Wool-press. C. Scales	7214	19 Oct.
Wool, Removing from skins. W. F. Bastings	6881	28 May.
Wool washing, Method and means of. J. Anderson, jun.	6814	2 May.
Woven-wire floorcloth for kilns, &c. D. Nicolson	6705	3 March.
Wrapper. P. J. Ogle	6694	27 Feb.
Wrappers, Machine for cutting cigarette-. A. Moonelis	7019	3 Aug.
Wringer. R. Lochhead	6631	17 Jan.
Writing. (See Head-line machine.)		
Writing-table and desk. A. D. Ludlow	7239	2 Nov.
Yeast, Composition to be used as. J. A. Hansmann and L. Schulz	7013	27 July.
Zinc oxides, Process and apparatus for manufacture of. A. Crossley	7352	27 Dec.
Zinc, Preparing solutions carrying salts of. P. C. Choate	6867	25 May.
Zinc, Producing metallic. P. C. Choate	7063	18 Aug.

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