

SESS. II.—1897.
NEW ZEALAND.

PATENTS, DESIGNS, AND TRADE-MARKS.

(EIGHTH ANNUAL REPORT OF THE REGISTRAR.)

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

I HAVE the honour, in compliance with the provisions of "The Patents, Designs, and Trade-marks Act, 1889," to furnish the Eighth Annual Report on the Patent Office.

The usual returns showing the business transacted by the office during the year ended the 31st December, 1896, will be found in the Appendix. These returns show the steady growth of the office year by year. Over thirteen hundred applications were received during the period covered by this report, being the largest number received during any one year since the foundation of the office. The large increase over the preceding year in applications for patents, may in part no doubt, be attributed to the expansion of the bicycle trade, no less than 130 applications in connection with bicycles having been filed.

The table given below shows the revenue and expenditure for the past six years, and also the annual surplus. The progress of the office is very well illustrated by these figures, which exhibit a steady increase of revenue, from £1,759 3s. 6d. in 1891 to £2,583 0s. 6d. in 1896. The apparent fall in 1895 is due to the fact that a large number of renewal-fees became payable in the preceding year, thus raising the receipts for that year above the average.

—	Receipts.	Expenditure.	Surplus.	—	Receipts.	Expenditure.	Surplus.
	£ s. d.	£ s. d.	£ s. d.		£ s. d.	£ s. d.	£ s. d.
1891 ..	1,759 3 6	391 11 3	1,367 12 3	1894 ..	2,477 7 0	536 6 11	1,941 0 1
1892 ..	1,825 6 0	361 18 10	1,463 7 2	1895 ..	2,170 9 6	464 15 8	1,705 13 10
1893 ..	2,150 2 0	396 8 3	1,753 13 9	1896 ..	2,583 0 6	564 6 10	2,018 13 8

I am glad to be able to state that the new offices in the building now being erected for the Government Printing Office are nearing completion. The accommodation provided consists of a Registrar's Office, 16 ft. 6 in. by 16 ft. 6 in.; a public office, 20 ft. by 22 ft.; and a library, 31 ft. 6 in. by 22 ft., together with a strong-room. The new offices, though situated at some distance from the business portion of the city, will relieve much of the inconvenience from which the public and the officials have suffered so long, and will also permit of the valuable library now buried in the Museum being made available for its proper purposes.

Patent Office, Wellington, 2nd October, 1897.

F. WALDEGRAVE,
Registrar.

A.—BALANCE-SHEET of INCOME and EXPENDITURE for the Year ending 31st December, 1896.

Income.			Expenditure.		
	£	s. d.		£	s. d.
Patent fees ...	2,209	3 0	Salaries ...	318	12 4
Design fees ...	14	1 0	Clerical assistance ...	15	5 0
Trade-mark fees ...	357	11 6	Copying specifications, &c. ...	50	5 9
Sale of Acts, &c. ...	2	5 0	Fees to Patent Office Agents ...	55	12 6
			Printing and stationery from Government Printing Office ...	75	0 0
			Binding, freight, &c., of British specifications ...	19	17 0
			Fees refunded ...	17	0 0
			Incidental expenses ...	12	14 3
			Surplus for year ...	2,018	13 8
	£2,583	0 6		£2,583	0 6

B.—PARTICULARS of FEES received from the 1st JANUARY to the 31st DECEMBER, 1896.

	Number.	Fees. — Each.	Amount received.
PATENTS.			
Applications for patents with provisional specifications	425	£ s.	£ s. d.
Applications for patents with complete specifications	591	0 10	212 10 0
Complete specifications left after provisional specifications	113	0 10	56 10 0
Issue of letters patent	438	2 0	876 0 0
Issue of duplicate letters patent	1	2 0	2 0 0
Applications to amend specifications	11	1 0	11 0 0
Second-term fees payable before end of fourth year	91	5 0	455 0 0
Third-term fees payable before end of seventh year	6	10 0	60 0 0
Notices of opposition	8	0 10	4 0 0
Hearing objections	6	2 0	12 0 0
Applications for extension of time for filing complete specifications	9	1 0	9 0 0
Grant of such extension	7	5 0	35 0 0
Applications for enlargement of time for payment of fees	9	1 0	9 0 0
Grant of such enlargement	9	3 0	27 0 0
Notices of appeal to Supreme Court against Registrar's decisions	4	1 0	4 0 0
Searches	337	0 1	16 17 0
Registration of assignments and licenses	41	0 10	20 10 0
Certificates of such registration	32	0 10	16 0 0
Copies of specifications, drawings, &c.	..	..	75 0 6
Certifying copies of specifications, &c., not made by office	34	0 1	1 14 0
Applications to correct clerical errors in specifications, &c.	6	0 5	1 10 0
Registration of Patent Agents	7	1 1	7 7 0
Miscellaneous	..	..	1 14 6
..	..	..	£2,209 3 0
DESIGNS.			
Applications for registration of designs	28	0 10	14 0 0
Searches	1	0 1	0 1 0
..	..	..	£14 1 0
TRADE-MARKS.			
Applications for registration of trade-marks	296	0 5	74 0 0
Registration of trade-marks (including ones "series")	243	£1 & 5s.	242 5 0
Notices of opposition	5	1 0	5 0 0
Registration of subsequent proprietors	16	£1 & 2s.	15 2 0
Certificates of such registration	14	0 5	3 10 0
Renewal of registration of trade-mark	1	1 0	1 0 0
Cancellation of registration of trade-mark	2	0 5	0 10 0
Request for correction of clerical error	1	0 5	0 5 0
Certifying copies	2	0 5	0 10 0
Searches	100	0 1	5 0 0
Advertisements: Cost of additional space in <i>Gazette</i>	..	..	9 16 0
Miscellaneous	..	..	0 13 6
..	..	..	£357 11 6

C.—STAFF of OFFICERS and PRESENT SALARIES.

Registrar	£
Deputy-Registrar	Nil.
Clerk	200
Cadette	100
.. .. .	40
	£340

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

Year.	Number of Appli- cations with which Complete Specifi- cations lodged.		Number of Appli- cations with which Provisional Specifi- cations lodged.		Number of Applications for which Complete Specifications sub- sequently lodged.		Number of Appli- cations abandoned, lapsed, or refused.		Number of Patents sealed and at Present in Force.		Total Number of Applica- tions.
	N.Z.	Foreign.	N.Z.	Foreign.	N.Z.	Foreign.	N.Z.	Foreign.	N.Z.	Foreign.	
1890	242	207	107	60	27	17	202	50	147	217	616
1891	187	207	126	69	29	25	191	50	122	226	589
1892	202	191	160	53	40	16	237	43	125	201	606
1893	198	178	197	52	51	24	262	30	133	200	625
1894	278	166	251	61	69	16	352	51	177	176	756
1895	229	201	307	79	75	34	403	51	133	229	816
1896	299	275	318	100	*	*	*	*	*	*	992

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

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 1894, 1895, and 1896.

Classes.	Classification of Goods.	1894.			1895.			1896.		
		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	10	9	7	8	7	5	9	8	4
2	Chemical substances used for agricultural, horticultural, veterinary, and sanitary purposes	8	10	9	14	10	5	18	13	12
3	Chemical substances prepared for use in medicine and pharmacy ..	45	36	22	24	24	25	24	23	20
4	Raw or partly-prepared vegetable, animal, and mineral substances used in manufactures not included in other classes	4	3	6	..	..	..	7	5	5
5	Unwrought and partly-wrought metals used in manufacture ..	2	3	3	1	1	1	1	1	..
6	Machinery of all kinds, and parts of machinery, except agricultural and horticultural machines included in Class 7	5	5	3	2	2	2	2	2	1
7	Agricultural and horticultural machinery, and parts of such machinery	2	2	1	4	4	3	3	3	3
8	Philosophical instruments, scientific instruments, and apparatus for useful purposes; instruments and apparatus for teaching	..	..	..	1	1	..	..	..	..
9	Musical instruments	..	..	..	..	..	..	1	1	1
10	Horological instruments	..	..	..	1	1	..	..	..	..
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	1	1	3	..	..	..	3	3	2
13	Metal goods not included in other classes.. .. .	5	5	6	4	3	3	1	1	1
14	Goods of precious metals (including aluminium, nickel, Britannia-metal, &c.) and jewellery, and imitations of such goods and jewellery	1	2	1	1	1	1	..	..	..
15	Glass	..	..	..	..	..	..	3	3	3
16	Porcelain and earthenware	..	..	..	..	..	..	..	..	..
17	Manufactures from mineral and other substances for building or decoration	..	..	..	..	..	..	..	..	..
18	Engineering, architectural, and building contrivances	3	3	1	3	3	3	1	1	1
19	Arms, ammunition, and stores not included in Class 20	..	..	..	1	1	1	..	..	..
20	Explosive substances	4	4	4	..	..	..	2	2	2
21	Naval architectural contrivances and naval equipments	..	..	..	..	..	..	..	..	..
22	Carriages	1	1	..	7	6	3	14	12	11
23	Cotton yarn and thread	1	..	..	..	..	..	1	1	1
24	Cotton piece-goods of all kinds	3	3	3	2	2	2	..	..	..
25	Cotton goods not included in Classes 23, 24, and 38	..	..	..	1	1	1	2	2	2
26	Linen and hemp yarn and thread	..	..	..	..	..	..	..	..	..
27	Linen and hemp piece-goods	..	..	..	..	..	..	2	2	2
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	..	..	..	..	..	..	..	..	..
31	Silk piece-goods	..	..	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	4	4	4
35	Woollen and worsted and hair goods not included in Classes 33 and 34	..	..	..	..	..	..	1	1	1
36	Carpets, floorcloth, and oilcloth	..	..	2	1	1	1	..	..	..
37	Leather, skins, unwrought and wrought, and articles made of leather not included in other classes	3	2	2	2	2	1	3	3	3
38	Articles of clothing	28	27	25	14	13	8	19	17	16
39	Paper (except paperhangings), stationery, and bookbinding.. .. .	1	..	1	1	1	1	3	3	3
40	Goods manufactured from indiarubber and guttapercha not included in other classes	..	1	1	..	..	..	1	1	1
41	Furniture and upholstery	..	..	..	1	1	1	..	..	..
42	Substances used as food or ingredients in food	123	112	90	75	65	36	84	74	58
43	Fermented liquors and spirits	12	11	12	14	11	8	12	10	10
44	Mineral and aerated waters, natural and artificial, including ginger-beer	5	5	4	10	9	..	7	5	4
45	Tobacco, whether manufactured or unmanufactured	33	23	21	18	17	17	14	13	13
46	Seeds for agricultural or horticultural purposes	2	2	1	2	2	3	2	2	2
47	Candles, common soap, detergents; illuminating, heating, or lubricating oils; matches; and starch, blue, and other preparations for laundry purposes	21	20	20	26	25	8	21	18	15
48	Perfumery (including toilet articles), preparations for the teeth and hair, and perfumed soap	5	5	2	9	8	6	6	5	5
49	Games of all kinds, and sporting articles not included in other classes	..	..	1	..	..	..	1	1	1
50	Miscellaneous	17	18	9	6	5	9	11	11	11

NOTE.—For the total number see Table G.

F.—TOTAL NUMBER of Applications for Patents, and Registration of Designs and Trade-marks recorded for the Years 1890 to 1896 inclusive.

Year.	Patents.	Designs.	Trade-marks.	Total
1890	616	5	160	781
1891	589	4	225	818
1892	606	10	290	90
1893	625	1	325	951
1894	756	15	347	1,118
1895	816	14	254	1,084
1896	992	27	279	1,298

G.—NUMBER of APPLICATIONS for PATENTS from Persons residing in New Zealand and other Colonies and Countries in each of the Years 1894, 1895, and 1896.

			1894.	1895.	1896.				1894.	1895.	1896.
New Zealand	..	..	527	547	619	Queensland	..	..	6	2	8
Argentine Republic	..	..	..	..	1	Russia	..	..	..	..	1
Austria	..	..	..	..	1	South African Republic	..	..	..	..	3
Belgium	..	..	1	2	2	South Australia	..	..	12	5	17
Canada	..	..	1	2	2	Sweden	..	..	1	..	4
Denmark	..	..	..	2	2	Tasmania	..	..	1	6	5
France	..	..	..	6	8	United Kingdom	..	..	75	71	106
Germany	..	..	3	8	12	United States	..	..	17	38	51
Italy	..	..	..	2	1	Victoria	..	..	55	76	82
New South Wales	..	..	51	43	72	Western Australia	..	..	3	1	4
Ottoman Empire	..	..	..	..	1						

NOTE.—In 1896, ten applications were received from joint applicants resident in different countries; the figures for that year will, therefore, total ten 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 1894, 1895, and 1896.

			1894.	1895.	1896.				1894.	1895.	1896.
New Zealand	..	..	219	124	156	New South Wales	..	..	14	22	14
Belgium	..	..	..	1	3	Norway	..	..	1	..	..
Canada	..	..	2	..	..	Sweden	..	..	1	..	..
Ceylon	..	..	1	..	..	Switzerland	..	..	..	1	1
Cuba	..	..	..	3	6	Tasmania	..	..	..	..	1
Denmark	..	..	1	..	..	United Kingdom	..	..	66	79	77
France	..	..	3	6	6	United States	..	..	30	13	10
Germany	..	..	..	2	2	Victoria	..	..	11	5	11
Holland	..	..	1	1	2	Western Australia	..	..	..	1	..

NOTE.—In 1896, ten applications were received from persons giving addresses in two countries; the figures for that year will, therefore, total ten more than the actual number of applications received.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS FOR THE YEAR 1896.

Name, Residence, and Invention.	No.	Date.
Abel, J. W. B., Sydney, N.S.W. Treatment of animal bones and flesh. (M. J. Dempsey and J. J. Stone)	8942	19 Oct.
Abel, R. S., and another, Auckland, N.Z. Holder for books	8400	11 April.
Adams, R. N., Dunedin, N.Z. Imprinting-machine	8681	2 July.
Adams, R. N., Dunedin, N.Z. Machine for insetting newspapers, &c. ..	8778	29 July.
Adams, S. H., London, Eng. (See W. Tyree, No. 8978.)		
Adcock, J., Richmond, Christchurch, N.Z. Driving-wheel for bicycle carriages ..	8933	10 Oct.
Adolph, J. A. H., and another, Melbourne, Vic. Clothes-washing machine ..	8610	27 June.
Adolph, O. E., Bodal, Denmark. Stacking apparatus	8670	22 July.
Agar, W., Beaconsfield, W.A. Increasing and transmitting applied motive-power ..	8918	7 Oct.
Aitken, J., Dunedin, N.Z. Hoe	8412	20 April.
Aitken, W., Dunedin, N.Z. Obtaining gold from river-beds	9000	4 Nov.
Aitkens, G., Hawera, N.Z. Telegraph tape-perforator	8971	26 Oct.
Aitkens, G., Hawera, N.Z. Bicycle	9163	31 Dec.
Albrecht, F., Melbourne, Vic. Securing tubes or rods to plates	8508	19 May.
Allpress, A. E., Spreydon, N.Z. Washing-fluid	8690A	28 July.
Alternate Current Electro-motor Syndicate (Limited), The, Middlesex, Eng. Electro-motor and transformer. (W. Langdon-Davies)	8609	27 June.
Altham, G. J., Swansea, U.S.A. Oil-engine	8613	2 July.
American Tobacco Company of New Zealand (Limited), The, Auckland, N.Z. Cigarette machine. (H. Bilgram)	8306	29 Feb.
American Tobacco Company of New Zealand (Limited), The, Auckland, N.Z. Cigarette machine. (J. A. Bonsack)	8307	29 Feb.
American Tobacco Company of New Zealand (Limited), The, Auckland, N.Z. Cigarette-tube machine. (J. A. Bonsack)	8308	29 Feb.
American Tobacco Company of New Zealand (Limited), The, Auckland, N.Z. Cigarette machine. (M. Kirshner)	8309	29 Feb.
American Tobacco Company of New Zealand (Limited), The, Auckland, N.Z. Cigarette wrapper. (D. B. Strouse)	8492	13 May.
American Tobacco Company of New Zealand (Limited), The, Auckland, N.Z. Cigarette machine. (K. H. Carper)	8493	13 May.
American Tobacco Company of New Zealand (Limited), The, Auckland, N.Z. Cigarette machine. (D. B. Strouse)	8494	13 May.
Amesbury, D. E., Feilding, N.Z. Filter	8363	25 March.
Amora, J. H., and another, Sydney, N.S.W. Tarring and delivering wood blocks for paving roadways	8724	12 Aug.
Amos, G. A., Sydney, N.S.W. (See J. M. Brown, N. A. Joubert, No. 8882.)		
Anderson, A. H., Christchurch, N.Z. Threshing-machine. (R. Thorpe)	8854	11 Sept.
Anderson, A. H., and another, Christchurch, N.Z. Preventing collapse of inflated tires when punctured	8856	12 Sept.
Anderson, J., Dunedin, N.Z. Gratings for use in furnace-cases	8608	25 June.
Anderson, J. D., Auckland, N.Z. Gold-saving process	8299	22 Feb.
Andrew, T., Sydney, N.S.W. (See C. L. Garland, No. 9050.)		
Andrews, O., Wellington, N.Z. Wire-strainer	8771	21 Aug.
Andrews, W., and another, Christchurch, N.Z. Seed-dressing machine	8855	11 Sept.
Angus, W., and another, Christchurch, N.Z. Pump	9020	7 Nov.
Apostoloff Automatic Telephone Parent Syndicate (Limited), The, London, Eng. System of automatic telephone exchange. (S. Berditschewsky)	8538	27 May.
Arenas, F., Christchurch, N.Z. Indicating temperature of a refrigerating-chamber ..	9142	17 Dec.
Armstrong, W., Auckland, N.Z. Eradication of codlin-moth	8348	12 March.
Arnold, A., Sydney, N.S.W. (See K. E. Edge, No. 8190.)		
Arnold, C. A., Dunedin, N.Z. Pulley or belt-rest	8832	15 Aug.
Arthur, J., Invercargill, N.Z. Lock-nut	9057	17 Nov.
Arundel, E., Mosgiel, Otago, N.Z. Bicycle-tool bag	8497	12 May.
Arzt, H., London, Eng. Generator of electricity	8642	14 July.
Ashcroft, E. A., Newcastle, N.S.W. Treatment of solutions containing zinc	8677	22 July.
Ashcroft, E. A., Newcastle, N.S.W. Treatment of solutions containing zinc	8697	31 July.
Ashcroft, E. A., Melbourne, Vic. Treatment of ores containing zinc	8786	24 Aug.
Ashcroft, E. A., Newcastle, N.S.W. Propulsion of bicycles, &c.	8805	1 Sept.
Ashcroft, E. A., Melbourne, Vic. Treatment of metalliferous ores	8955	23 Oct.
Ashworth, H., Wadestown, Wellington, N.Z. Pressing and draining wet wool	8239	3 Feb.
Ashworth, H., Wadestown, Wellington, N.Z. Machine for washing wool	8240	3 Feb.
Ashworth, H., Wadestown, Wellington, N.Z. Rabbit-trap	8423	24 April.
Ashworth, H., Wadestown, Wellington, N.Z. Washing wool	8463	4 May.
Ashworth, H., Wadestown, Wellington, N.Z. Appliance for drying wool	9022	10 Nov.
Ashworth, H., Wadestown, Wellington, N.Z. Tire-protector	9117	14 Dec.
Aston, V. S., and others, Gisborne, N.Z. Boot-protector	8365	25 March.
Atkins, G. J., Stamford Hill, Middlesex, Eng. Chloro-cyanide salts or compounds ..	8220	27 Jan.
Atkinson, W., Yongala, S.A. Bicycle	8435	28 April.
Austin, H., Fitzroy, Vic. Motors and mechanism of vehicles	8868	18 Sept.
Bach, A., Auckland, N.Z. Measure for liquids	9069	28 Oct.
Bailey, R. D., and another, Gloucester, Eng. Utilisation of brewers' "draff" or "spent" grains	8481	12 May.
Baker, C. A., and another, New York, U.S.A. Cigar machine	8319	2 March.
Balfour, T., Christchurch, N.Z. Turnip-thinner	8678	21 July.
Ball, C. J., Sussex, Eng. Obtaining material from river-beds	8378	31 March.
Ballantine, W. B., Ashgrove, Ayr, Scotland. Puzzle	8944	19 Oct.
Balls, P. T., Melbourne, Vic. Knife attachment for linotype machines	8628	6 July.
Bannister, M. C., Liverpool, Eng. Insulating hot or cold chambers	8182	10 Jan.
Barber, E. H., and another, Tamaki, Auckland, N.Z. Driving-gear for cycles	8408	17 April.
Barber, E. H., and another, Tamaki, Auckland, N.Z. Billiard-table	8473	4 May.
Barber, E. H., and another, Tamaki, Auckland, N.Z. Driving-gear for motors	8602	22 June.
Barber, E. H., and another, Tamaki, Auckland, N.Z. Driving-gear for cycles	8603	22 June.
Barker, A., London, Eng. Vaporiser for oil-engine	8389	8 April.
Barlow, G. H., and others, Adelaide, S.A. Driving-gear for cycles, &c.	8818	3 Sept.
Barlow, W. J., and another, Christchurch, N.Z. Propelling-gear for bicycles	8813	1 Sept.
Barnes, G., and another, Melbourne, Vic. Combined postal-wrapper and letter-sheet ..	8788	24 Aug.
Baron, B., New York, U.S.A. Cigarette machine	8893	8 April.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS FOR THE YEAR 1896—*continued*.

Name, Residence, and Invention.	No.	Date.
Bartlett, J. V., Campbelltown, N.S.W. Amalgamating gold	8213	23 Jan.
Barton, E. L'E., Wellington, N.Z. Velocipedes	8351	18 March.
Barton, E. L'E., Wellington, N.Z. Firearms	8357	20 March.
Barton, J., Hokitika, N.Z. Castings of stampers for quartz-crushing machinery	9119	10 Nov.
Bavay, De. (See under D.)		
Beale, J. A., Auckland, N.Z. Forcing obstacles out of the way of bicycle-wheels	8922	3 Oct.
Beale, W. H., Wellington, N.Z. Needle for embroidery-work	8625	4 July.
Beaven, A. W., and another, Christchurch, N.Z. Seed-dressing machine	8855	11 Sept.
Beck, J., and another, Tauranga, N.Z. Wire-strainer coiler and uncoiler	8540	30 May.
Beckman, C. E., Brisbane, Queensland. Velocipede	8531	27 May.
Bedell, H. G., jun., and another, Wellington, N.Z. Spouting-dies	9065	25 Nov.
Bedell, L., and another, Wellington, N.Z. Spouting-dies	9065	25 Nov.
Beecher, E. B., and another, Westville, Connecticut, U.S.A. Machine for making matches	8828	7 Sept.
Beeman, J. S., Camberwell, Vic. Means for removing superfluous molten paraffin from articles dipped therein	8189	10 Jan.
Beere, G. B., and another, Thames, N.Z. Drum for aerial wire-tramway systems	9035	11 Nov.
Belk, J. A., Feilding, N.Z. Joining the rails of railways	8354	30 March.
Belk, M., Christchurch, N.Z. Ready-reckoner	8456	2 May.
Belk, M., Palmerston North, N.Z. Brake for vehicles	8573	12 June.
Bennett, E. H., and another, New Jersey, U.S.A. Rotary electric fan	9157	29 Dec.
Berditschewsky, S., London, Eng. (See The Apostoloff Automatic Telephone Parent Syndicate (Limited), No. 8538.)		
Bergin, A., Auckland, N.Z. Toffy	8346	9 March.
Berrenberg, A., and another, Upper Norwood, Surrey, Eng. Motor engine	9148	23 Dec.
Biggs, F., and another, Christchurch, N.Z. Detergent soap	8262	6 Feb.
Biggs, F., and another, Christchurch, N.Z. Hydraulic ram	8498	13 May.
Bilgram, H., Philadelphia, U.S.A. (See The American Tobacco Company of N.Z. (Limited), No. 8306.)		
Billecliff, A., Addington, Christchurch, N.Z. Subdividing butter	8959	7 Oct.
Billens, A., Christchurch, N.Z. Wick-adjusting device for oil-lamp	8592	19 June.
Billens, A., Christchurch, N.Z. Flame-spreader	8891	24 Sept.
Billens, A., Christchurch, N.Z. Securing corks in bottles	8895	26 Sept.
Bilton, H. J. I., and another, Malvern, Vic. Scraping the interior of water-pipes	8720	7 Aug.
Bilton, H. J. I., and another, Malvern, Vic. Thimble and hatch-box for water-pipes	8807	1 Sept.
Bingham, H., and another, Ascot Vale, Vic. Tire	8643	14 July.
Black, H., Wanganui, N.Z. Bicycle alarm-bells	9124	14 Dec.
Black, J., Nelson, N.Z. Fruit-tree sprayer	8648	27 July.
Black, J., Nelson, N.Z. Pneumatic sprayer	8883	23 Sept.
Black, J., Nelson, N.Z. Nozzle for spraying-machine	9125	16 Dec.
Black, J. G., Melbourne, Vic. Incandescent gas-lamp	8861	12 Oct.
Blacke, D. E., Invercargill, N.Z. Preventing the escape of sparks from chimneys	9058	19 Nov.
Bland, H., Waverley, Sydney, N.S.W. (See J. Martin, No. 8712.)		
Bollée, L., Le Mans, France. Self-propelled vehicle	8747	17 Aug.
Bonnin, A., and another, Adelaide, S.A. Fastening device for suspending garments	8880	23 Sept.
Bonsack, J. A., Philadelphia, U.S.A. (See The American Tobacco Company of N.Z. (Limited), No. 8307.)		
Bonsack, J. A., Philadelphia, U.S.A. (See The American Tobacco Company of N.Z. (Limited), No. 8308.)		
Booth, G. T., Christchurch, N.Z. Disc harrow	8506	15 May.
Booth, G. T., and another, Christchurch, N.Z. Cycle-propelling mechanism	8735	12 Aug.
Booth, G. T., and others, Christchurch, N.Z. Driving mechanism of bicycles	9130	15 Dec.
Bowman, C. W., New York, U.S.A. (See Eagle Pencil Company, No. 8289.)		
Bowman, A. S., Strathfield, N.S.W. Wheel	8675	22 July.
Boyd, T., Christchurch, N.Z. Washer for lock-nuts	8455	1 May.
Boyd, T., Christchurch, N.Z. Bearings of cycles	8910	3 Oct.
Boyens, W. H., Kaikoura, N.Z. Bicycle	8703	4 Aug.
Bradbury, R. A., Christchurch, N.Z. Apparatus for indicating cost of goods sold by lineal measurement	9155	23 Dec.
Bradbury, T. H., Johannesburg, South Africa. Sharpening rock-drills	8253	6 Feb.
Brake, A., Wellington, N.Z. Apparatus for dowelling, tenoning, and dovetailing	8536	29 May.
Brake, C., and another, Lincoln, N.Z. Drenching cattle and horses	8970	24 Oct.
Bramwell, C. A., and another, Melbourne, Vic. Butter-box	8340	11 March.
Branton, T., Blenheim, N.Z. Cleaning flax	8422	22 April.
Brew, W., and another, Christchurch, N.Z. Apparatus for securing hat to head	8228	30 Jan.
Bricknell, A. L., Surrey, Eng. Bicycle	8317	2 March.
Brittin, F. G. M., Christchurch, N.Z. Foot-rest bracket for fireplaces	9115	9 Dec.
Brittin, F. G. M., and another, Christchurch, N.Z. Freezing meat	9071	24 Nov.
Bromwell, T. A., Wellington, N.Z. Wire-strainer	8662	21 July.
Bromwich, W. A., and another, London, Eng. Shafts of vehicles	8251	4 Feb.
Broome, G. H., and another, Seddonville, N.Z. Haulage-clip	8450	2 May.
Broome, W., Bourke, N.S.W. Chilling and curing meat	8386	7 April.
Brown, A. G., Manchester, Eng. Producing metal castings	8814	3 Sept.
Brown, J., Carterton, N.Z. Hoe	8318	28 Feb.
Brown, J., Carlton, Vic. Spiral-spring	8478	12 May.
Brown, J. N., and another, Sydney, N.S.W. Apparatus for producing ice-cream. (G. A. Amos)	8882	23 Sept.
Brown, J. R., and another, New Westminster, Canada. Gold-amalgamator	8458	4 May.
Brown, W., Invercargill, N.Z. Road-scoop handle	9087	27 Nov.
Brownlee, W. B., Wellington, N.Z. Pulleys for hauling logs	8676	22 July.
Brownley, A. H., Auckland, N.Z. Preventing doors from slamming	8474	5 May.
Brownley, A. H., Auckland, N.Z. Gate. (H. Withey)	8509	15 May.
Brunton, W. H., and another, Timaru, N.Z. Iron and handle attachment	8198	10 Jan.
Bryan, G., Colac, Vic. (See W. Humble, W. Nicholson, No. 8560.)		
Buckland, W. H., Dunedin, N.Z. Wire-strainer	8171	3 Jan.
Buckley, J. W., Wellington, N.Z. Making use of disused kerosene-tins as boilers	8223	29 Jan.
Buckley, J. W., Wellington, N.Z. Soap-box	8264	10 Feb.
Buckley, J. W., Wellington, N.Z. Deck and floor-scrubbers	8364	26 March.
Bullard, J. E., Sydney, N.S.W. Lasting-machine	8483	12 May.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS FOR THE YEAR 1896—continued.

Name, Residence, and Invention.	No.	Date.
Burrows, P. F. M., Wellington, N.Z. Folding easy-chair	8266	11 Feb.
Butler, J. S., Hamilton, Vic. Extracting gold by means of mercury. (J. W. Butler) ..	8633	8 July.
Butler, J. W., Blackheath, Kent, Eng. (See J. S. Butler, No. 8633.)		
Butterfield, J. C., Westminster, Eng. Treatment of the blue stone and other sulphurised ores ..	8841	14 Sept.
Cahoone, E. R., Newark, New Jersey, U.S.A. Stove	8717	7 Aug.
Cairns, J. C., Norsewood, Hawke's Bay, N.Z. Preserving food	8794	18 Aug.
Cairns, J. C., Norsewood, Hawke's Bay, N.Z. Cover for pneumatic tires	8889	21 Sept.
Caldwell, R., Auckland, N.Z. Governor for gas-engines	8544	2 June.
Caldwell, R., Auckland, N.Z. Governor for gas-engines	8566	10 June.
Caldwell, R., Auckland, N.Z. Igniting gas-engines	8876	21 Sept.
Campbell, J., Waikaka, Otago, N.Z. Rabbit-trap	8401	20 April.
Campbell, J., Randwick, Sydney, N.S.W. Treatment of gold- and silver-bearing ores ..	8898	22 Sept.
Carper, K. H., Salem, U.S.A. (See The American Tobacco Company of New Zealand, Limited, No. 8493.)		
Carse, J. B., Chicago, U.S.A. Gas-engine. (E. J. Pennington)	8244	3 Feb.
Carson, W., Lancaster, Eng. Nail	8318	2 March.
Carter, G. J., Dunedin, N.Z. Pot-cleaner	8587	8 June.
Carter, J., Sydney, N.S.W. Explosive compound. (J. G. Murray)	8211	23 Jan.
Carter, J., Sydney, N.S.W. Concrete and cement-mortar buildings and manufactures. (G. A. Wayss)	9147	23 Dec.
Carter, J. W., Brooklyn, U.S.A. Ore-separator	8524	23 May.
Cassel Gold Extracting Company (Limited), The, Glasgow, Scotland. Obtaining precious metals from solutions. (J. S. MacArthur)	8185	10 Jan.
Castle, J. G. A., Petone, N.Z. Soldering-machine	8283	19 Feb.
Cave, H., Papanui, Canterbury, N.Z. Horse-shoe with pneumatic cushion	9107	8 Dec.
Chalmers, W., Milburn, N.Z. Lime-spreader	9077	25 Nov.
Chamberlain, E. H., and another, Wellington, N.Z. Filter for water-tanks	8199	13 Jan.
Chambers, J., Mokoepka, Hawke's Bay, N.Z. Electrical radiator	8871	17 Sept.
Chambers, J., Mokoepka, Hawke's Bay, N.Z. Electrical boiler	8934	12 Oct.
Chambers, J. S., and another, Melbourne, Vic. Oven	8352	20 March.
Chambers, R., Cambridge, Auckland, N.Z. Reel for winding skeins of wool	8860	17 Sept.
Champness, J. H., and another, Yarrock, Vic. Railway rolling-stock	8708	6 Aug.
Charleston, J., Maitaura, N.Z. Fumigator for rabbit poisoning	8180	4 Jan.
Chenhall, D., and others, Sydney, N.S.W. Extracting gold	9027	11 Nov.
Childs, H., Ashburton, N.Z. Clamp for flooring and lining	8518	22 May.
Churches, J., Pahiatua, N.Z. Fire-guard	8526	26 May.
Clark, E. L., Auckland, N.Z. Saw-frame	8297	21 Feb.
Clark, H. M., Sydney, N.S.W. Wire-strainer. (D. Moritz)	8673	22 July.
Clark, J., and another, Kihikihi, Auckland, N.Z. Spring for the poles of vehicles	8607	23 June.
Clay, W. R., Farnworth, Lancashire, Eng. Burners used for incandescent gas-lighting ..	8913	5 Oct.
Claydon, G., Addington, Christchurch, N.Z. (See the Wood and Claydon Automatic Stoker, Coal-crusher, Self-feeder, and Smoke-consumer Company, Limited, No. 8826.)		
Claydon, G., and another, Christchurch, N.Z. Stoking, smoke-consuming, and fuel-economizing apparatus attached to steam-boilers	8605	24 June.
Clayton, O. P., and another, Sydney, N.S.W. Extracting precious metals from ores ..	8715	6 Aug.
Clements, J., London, Eng. Apparatus applicable to motor-carriages, cycles, &c. for automatically signalling when a predetermined speed is attained	9136	17 Dec.
Clements, S. E., Wellington, N.Z. Apparatus for operating venetian blinds	8776	22 Aug.
Clements, T., Launceston, Tas. Horse-collar	8631	30 July.
Clere, F. de J., Wellington, N.Z. Window-sash and -frame	8692	30 July.
Clerici, F., and another, Milan, It. Obtaining precious metals from ores	8252	6 Feb.
Cockerell, R., Dunedin, N.Z. Driving-gear for pumps	8475	11 May.
Cockerell, R., Dunedin, N.Z. Force-pump	8542	1 June.
Cockerell, R., Dunedin, N.Z. Relief-valve in force-pumps	8853	16 Sept.
Cockerell, R., Dunedin, N.Z. Stamper-guide for quartz-crushing and -grinding	9047	13 Nov.
Cockerell, R., Dunedin, N.Z. Perforated table for saving gold, silver, &c. ..	9098	20 Nov.
Cole, T., and another, Dunedin, N.Z. Coffin	8451	28 April.
Coles, Cowper-. (See under, Cowper.)		
Collins, E., Maitaura, N.Z. Windmill	8292	18 Feb.
Collins, E. E., Maitaura, N.Z. Landing-net	9127	10 Dec.
Combined Weight- and Cost-indicating Scale Company (Limited), The, Christchurch, N.Z. Cost-indicating apparatus. (W. Rollitt)	8446	29 April.
Conquer, H., Auckland, N.Z. Water-heater	8193	6 Jan.
Cook, J., Hawthorn, Vic. Ploughshare	9043	17 Nov.
Cooper, C., Mangorei, Taranaki, N.Z. Milk-aerator and -cooler	9094	2 Dec.
Cooper, C. F., and another, Melbourne, Vic. Milking-bucket	8698	31 July.
Copeland, H. M., and another, Palmerston North, N.Z. Brake for carriages, &c. ..	8804	1 Sept.
Copeland, J., and another, Wanganui, N.Z. Velocipede brake	8800	24 Feb. '97.
Copeland, J., and another, Palmerston North, N.Z. Brake for carriages, &c. ..	8804	1 Sept.
Coppen, E. J., and another, Wellington, N.Z. Filter for water-tanks	8199	13 Jan.
Corre, A. G., Cincinnati, U.S.A. Type-writing machine. (B. Granville)	9015	7 Nov.
Corrick, H., Christchurch, N.Z. Court-shoe or golosh constructed of canvas	8887	24 Aug.
Cousins, R. J., and another, Shaftesbury, Dorset, Eng. Corking-machine	9016	7 Nov.
Coward, W. H., Kent, Eng. Concentrating, grading, or classifying crushed ore	8218	25 Jan.
Cowper-Coles, S. O., London, Eng. Producing sheets of metal by electro-deposition ..	8459	4 May.
Crosby, D. J., Kadina, S.A. Connecting-rods applicable to reapers, &c. ..	8617	2 July.
Crosby, D. J., Kadina, S.A. Belting for transmitting power	8618	2 July.
Croxford, C. L., and others, Dunedin, N.Z. Water-heater	8574	12 June.
Croxford, C. S., and others, Dunedin, N.Z. Water-heater	8574	12 June.
Croxford, G., and others, Dunedin, N.Z. Water-heater	8574	12 June.
Crum, A., and others, Christchurch, N.Z. Driving mechanism for bicycles	8235	1 Feb.
Cuming, A. J., Christchurch, N.Z. Non-refillable bottle	8961	21 Mar. '97.
Cuming, A. J., Christchurch, N.Z. Prop for bicycles	9095	2 Dec.
Cuming, A. J., and another, Christchurch, N.Z. Obtaining and dressing fibre from N.Z. <i>Phormium tenax</i>	8964	22 Oct.
Cuming, A. J., and another, Christchurch, N.Z. Dressing flax	9114	9 Dec.
Cunningham, D., Dunedin, N.Z. Life-buoy line	8986	31 Oct.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS FOR THE YEAR 1896—continued.

Name, Residence, and Invention.	No.	Date.
Cunnington, H. J., and another, Christchurch, N.Z. Milking-machine	8801	27 Aug.
Currie, J., Riversdale, Otago, N.Z. Thinning turnips	8803	22 Feb.
Curties, W. W., Christchurch, N.Z. Driving mechanism of bicycles	8830	4 March.
Curties, W. W., Christchurch, N.Z. Cycle gear	8815	20 May.
Curties, W. W., Christchurch, N.Z. Brake apparatus for bicycles	8593	19 June.
Curties, W. W., and others, Christchurch, N.Z. Driving mechanism for bicycles	8235	1 Feb.
Cutlan Patent Sew-round Machine Syndicate (Limited), The, London, Eng. Sewing-machine. (P. Tracy.)	9017	7 Nov.
Cutler, B., Auckland, N.Z. Form of suspending trousers	8234	30 Jan.
Cutten, W., Dunedin, N.Z. Dredge-tailings elevator	8196	10 Jan.
Cutten, W., Dunedin, N.Z. Winch for dredges	8214	18 Jan.
Dahl, C., Palmerston North, N.Z. Water- and rot-proof dressing	8248	4 Feb.
Daily, J. J., Sydenham, Christchurch, N.Z. Pneumatic-tire protector	8846	16 Sept.
Daily, J. J., Sydenham, Christchurch, N.Z. Tire	8847	16 Sept.
Daily, J. J., Sydenham, Christchurch, N.Z. Crate for bicycles	8848	16 Sept.
Daily, J. J., Sydenham, Christchurch, N.Z. Folding legs or stand for bicycles	8849	9 Sept.
Daily, J. J., Sydenham, Christchurch, N.Z. Tire	8850	11 Sept.
Daily, J. J., Sydenham, Christchurch, N.Z. Tire protector	8851	16 Sept.
Daily, J. J., Sydenham, Christchurch, N.Z. Tire	8911	3 Oct.
Daily, J. J., Sydenham, Christchurch, N.Z. Tire	9010	3 Nov.
Dall, W., Dunedin, N.Z. Driving-gear for cycles	9033	11 Nov.
Dalton, W., Stratford, N.Z. Oil-box for axles of vehicles	8488	12 May.
Dalton, W. J., Auckland, N.Z. Eucalypti cigar	8277	17 Feb.
Dalton, W. J., Auckland, N.Z. Ore-grinder and -crusher	8293	19 Feb.
Dalton, W. J., Auckland, N.Z. Ore-crusher	8294	19 Feb.
Dalton, W. J., Auckland, N.Z. Sash-fastener	8336	5 March.
Dalziel, J., Christchurch, N.Z. Securing the nut of plough-wheel bearings	8722	8 Aug.
Daniel, C. L., Feilding, N.Z. Edge-tool sharpener	8250	5 Feb.
Danks, T., Christchurch, N.Z. Repairing broken wires in fences	9060	21 Nov.
Danks, T., Christchurch, N.Z. Tightening wire fencing	9061	21 Nov.
Darby, I., and others, London, Eng. Incandescent oil-burner	9143	19 Dec.
Darby, W., and others, London, Eng. Incandescent oil-burner	9143	19 Dec.
Darke, D., Wellington, N.Z. Window-shade	8245	3 Feb.
Davidson, J., Sydney, N.S.W. Manufacture of fatty matter from fatty animal tissues	8915	5 Oct.
Davidson, W., and another, Dunedin, N.Z. Sanitary-paper holder	8838	12 Sept.
Davidson, W., and another, Dunedin, N.Z. Sanitary-paper holder	9038	16 Nov.
Davies, E., and another, Adelaide, S.A. Tire-protector	8582	16 June.
Davies, E., and another, Adelaide, S.A. Driving-gear for cycles	8930	10 Oct.
Davies, J., Dunedin, N.Z. Soldering-iron	8179	9 Jan.
Davies, L., Christchurch, N.Z. Milking-machine	8263	8 Feb.
Davies, Langdon-. (See under L.)		
Davies, R., Maxwelltown, Wanganui, N.Z. Ointment	8426	28 April.
Davison, W. J., Timaru, N.Z. Steam wool-drier	8311	28 Feb.
Davy Electrical Construction Company (Limited), The, London, Eng. Electric lamp. (W. J. Davy)	8242	3 Feb.
Davy, W. J., London, Eng. (See The Davy Electrical Construction Company, Limited, No. 8242.)		
Dawick, W. T., and another, Wellington, N.Z. Game	9063	23 Nov.
Dawson, S. H., Dargaville, N.Z. Railway ambulance-stretcher carrier	8249	1 Feb.
Dear, W., Wellington, N.Z. Construction of concrete erections	8967	24 Oct.
De Bavay, A. J. F., Melbourne, Vic. Aërating and cooling milk	8819	3 Sept.
Deeble, J. J., Bendigo, Vic. Extracting gold	8225	29 Jan.
Deere and Company, Illinois, U.S.A. Disc-plough. (S. D. Poole)	8316	2 March.
De Laval, C. G. P., Stockholm, Sweden. Pressure-reducing apparatus	8431	28 April.
De Laval, C. G. P., Stockholm, Sweden. Regulating motors	8432	28 April.
De Morgenstern, B. F., and another, London, Eng. Galvanic battery	9018	7 Nov.
Dempsey, M. J., and another, Sydney, N.S.W. (See J. W. B. Abel, No. 8942.)		
Denham, E., and another, Sydney, N.S.W. Cooling and aërating milk	8943	19 Oct.
Denman, E. W., and others, Wandsworth, Surrey, Eng. Wire fencing	8479	12 May.
Denman, J. H., and others, Overton, Hants, Eng. Wire fencing	8479	12 May.
Denman, H. A., and others, Overton, Hants, Eng. Wire fencing	8479	12 May.
Detrick, J. S., Baltimore, U.S.A. Cigarette machine	8267	11 Feb.
De Wolf, T. A., Sydney, N.S.W. (See W. H. Moseley, No. 8512.)		
Dickerson, E. N., and another, New York, U.S.A. Producing and liquefying acetylene gas	8174	6 Jan.
Diehl, H. L., and another, Hamburg, Germany. Recovery of gold and silver from their solutions	8973	26 Oct.
Diehl, P., and another, New Jersey, U.S.A. Rotary electric fan	9157	29 Dec.
Dillberg, G., and another, Sydney, N.S.W. Gold-saving machine	9001	4 Nov.
Dimick, W. A., Dunedin, N.Z. Horse-cover	8557	4 June.
Dixon, H., Sydney, N.S.W. Device to prevent refilling of bottles. (J. D. Midson, F. W. Schroeder)	8226	29 Jan.
Dodd, J., and another, Nottingham, Eng. (See J. Thompson, C. Everard, No. 8926.)		
Dodge, S., Christchurch, N.Z. Press for trussing straw	8967	25 March.
Dodge, S., Christchurch, N.Z. Baling-press	8781	20 Aug.
Doggett, H. W. T., and another, Wellington, N.Z. Apparatus to prevent horses from running away	8938	16 Oct.
Dolbey, T. H., London, Eng. Window-blind. (K. A. Frosell)	8979	28 Oct.
Donald, D., Wellington, N.Z. Instrument for dehorning calves	8664	21 July
Donald, D., Masterton, N.Z. Chain-gripping lever	8888	3 Sept.
Donald, D., Masterton, N.Z. Stumping and heavy-weight-lifting machine	8924	9 Oct.
Down, E. R., Gillingham, Dorset, Eng. Curing bacon and hams	8750	17 Aug.
Down, E. R., Gillingham, Dorset, Eng. Cylinder or vessel for curing bacon and hams, &c.	8751	17 Aug.
Drabsch, A. W. R., and others, Mannum, S.A. Driving-gear for cycles, &c.	8818	3 Sept.
Drake, E. D., Wellington, N.Z. Sash-fastener lock	9141	21 Dec.
Drummond, J., Dannevirke, Hawke's Bay, N.Z. Gate-hinge	8627	4 July.
Dryland, F., Auckland, N.Z. Heels of boots and shoes	8989	31 Oct.
Duff, C. B., and another, Balclutha, N.Z. Rabbit-trap	8507	18 May.
Duff, J. N., and another, Balclutha, N.Z. Rabbit-trap	8507	18 May.
Duffon, L. J., Wanganui, N.Z. Evaporating-kiln for fruits, vegetables, &c.	8287	19 Feb.
Dumoulin, E., Paris, Fr. (See F. H. Snow, No. 8254.)		
Dungey, J., and another, Melbourne, Vic. Preventing the sickening of mercury	8356	20 March.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS FOR THE YEAR 1896—continued.

Name, Residence, and Invention.	No.	Date.
Dunkin, J. H., Carlton, Sydney, N.S.W. (See C. Wadey, A. W. Thomas, No. 8672.)		
Dunn, D., and others, Lincoln, Canterbury, N.Z. Oil-lamp	8896	26 Sept.
Durie, A., Dunedin, N.Z. Airtight canister-cover	9054	14 Nov.
Durston, J., Dunedin, N.Z. Tin for preserving butter, meat, &c.	9082	1 Dec.
Dyhrberg, L. N., and others, Christchurch, N.Z. Driving-mechanism for bicycles	8235	1 Feb.
Dykes, J., and another, Auckland, N.Z. Holder for books	8400	11 April.
Eagle Pencil Company, New York, U.S.A. Pencil. (C. W. Bowman)	8289	21 Feb.
Economic Refrigerating Company, The, Chicago, U.S.A. Refrigerating apparatus. (G. F. Knox and E. F. Sharpneck)	8522	23 May.
Edge, K. E., Sydney, N.S.W. Tool. (A. Arnold)	8190	10 Jan.
Edgerton, W., Melbourne, Vic. Apparatus for effecting the more perfect combustion of fuel in furnaces	8590	19 June.
Edwards, A. H., Sydney, N.S.W. Driving-gear for cycles	8382	1 April.
Egestorff, J. F., London, Eng. Holder for delivering laundry-blue, &c.	8668	22 July.
Ellershausen, F., London, Eng. Treatment of complex sulphide-ores	8843	14 Sept.
Ellershausen, F., London, Eng. Treatment of complex sulphide-ores	8916	6 Oct.
Ellis, D. S., and another, St. Kilda, Melbourne, Vic. (See The Folk-Ellis Patent Marine Governor and Safety Cut-off Company, Limited, No. 8597.)		
Ellis, G., Hastings, Hawke's Bay, N.Z. Sprayer	8894	27 June.
Ellis, P., Christchurch, N.Z. Propelling-gear for cycles	8763	17 Aug.
Ellis, P., Christchurch, N.Z. Under-gear of rolling-stock	8780	20 Aug.
Ellis, P., Christchurch, N.Z. Candle-holder	8909	1 Oct.
Ellis, P., Christchurch, N.Z. Combined tobacco-cutter, match-box, and pipe-cleaner	9011	3 Nov.
Elston, R., Ashburton, N.Z. Wool-working needle	8960	8 Oct.
Embleton, D., Leeds, Eng. Pneumatic stamps for crushing ores	9161	31 Dec.
Erlwein, G., and another, Berlin, Germany. Production of zinc from its ores	8338	11 March.
Eustace, J., Dunedin, N.Z. Airtight cover for tins	8517	19 May.
Eustace, J., Dunedin, N.Z. Lid-measurer	8525	21 May.
Eustace, J. F., Okato, Taranaki, N.Z. Carrying reels of barbed fencing-wire	8579	11 June.
Evans, A., Gore, Otago, N.Z. Attachment of endless belts	9064	17 Nov.
Evans, A., and another, Gore, Otago, N.Z. Drying wool	8413	22 April.
Evans, E. L., Malvern, S.A. Velocipedes	8305	28 Feb.
Evans, E. L., and another, Malvern, S.A. Fastening device for suspending garments	8880	23 Sept.
Everard, C., and another, Peterborough, Northampton, Eng. Bicycle. (J. Dodd and J. Harrison)	8926	10 Oct.
Evinof, J., London, Eng. Locking-nut	9024	11 Nov.
Fairweather, W., Blenheim, N.Z. Flax-scraping machine	8575	12 June.
Fairweather, W., Blenheim, N.Z. Beating-bar for flax-strippers	9080	28 Nov.
Falconer, W. S., Wellington, N.Z. Tire	8987	31 Oct.
Featou, E. H., and others, Gisborne, N.Z. Boot-protector	8365	25 March.
Fenby, J. B., and another, Warwick, Eng. (See E. Waters, No. 8548.)		
Fennah, W., and another, Kensington, Vic. Driving-gear for cycles	8881	23 Sept.
Ferguson, M., Melbourne, Vic. Joining the edges of metal plates	8904	30 Sept.
Finch, C. A., Sydney, N.S.W. (See H. J. Ingle, No. 8419.)		
Firth, J. C., Auckland, N.Z. Coal-distributor	8585	13 June.
Fisher, C. E., Christchurch, N.Z. Machine for printing and measuring the material employed in making bags	8792	24 Aug.
Fisher, H. F., Christchurch, N.Z. Preventing horses from bolting	8415	21 April.
Fisher, J. D., Melbourne, Vic. Advertising directory table	8550	3 June.
Fleming, A. S., and another, Glasgow, Scotland. Condensed-milk products	8912	5 Oct.
Fleuss, H. A., Middlesex, Eng. (See Fleuss Pneumatic Tire Syndicate, Limited, No. 8326.)		
Fleuss Pneumatic Tire Syndicate, Limited, London, Eng. Pneumatic tires. (H. A. Fleuss)	8326	4 March.
Florey, J., and others, Adelaide, S.A. Tire	8461	4 May.
Flower, J. W., and another, Shaftesbury, Dorset, Eng. Corking-machine	9016	7 Nov.
Floyd, C. A., and another, London, Eng. Shafts of vehicles	8251	4 Feb.
Flynn, J., and another, Melbourne, Vic. Cutting butter	8484	12 May.
Folk-Ellis Patent Marine Governor and Safety Cut-off Company (Limited), The, Melbourne, Vic. Preventing the "racing" of marine engines. (D. S. Ellis, S. M. Folk)	8597	24 June.
Folk, S. M., and another, St. Kilda, Melbourne, Vic. (See the Folk-Ellis Patent Marine Governor and Safety Cut-off Company, Limited, No. 8597.)		
Footo, G. W. M., and another, Sydney, N.S.W. Extracting precious metals from ores	8715	6 Aug.
Ford, E. J. T., Christchurch, N.Z. Writing-tablet and door for telephone instruments	8300	25 Feb.
Ford, J., Christchurch, N.Z. Sanitary shield for urinals	8696	29 July.
Ford, L. P., and another, London, Eng. Utilisation of brewers' "draff" or "spent" grains	8481	12 May.
Forsman, M., Te Aroha, N.Z. Lotion	8543	2 June.
Foster, J., Sydney, N.S.W. Propelling bicycles	9046	17 Nov.
Fox, A. S., Sumner, Canterbury, N.Z. Boots and shoes	8591	18 June.
Frankel, S., and another, Sydney, N.S.W. Branding sheep	8434	28 April.
Frasch, H., Cleveland, U.S.A. Mining gold	8741	15 Aug.
Fraser, J., Brighton, Vic. Fuse-lighter	8830	9 Sept.
Frewen, M., and another. (See A. W. Meeks, No. 8255.)		
Freyberg, J., Wellington, N.Z. Extracting essential properties of bark of trees	9126	16 Dec.
Friend, J. E., Christchurch, N.Z. (See the Motive-power and Light Company, Limited, No. 8822.)		
Friend, J. E., Christchurch, N.Z. (See the Friend's Steam-generator and Imporous Butter-box Company, Limited, No. 8995.)		
Friend, J. E., Wellington, N.Z. Steam-boiler	9075	28 Nov.
Friend, J. E., and others, Christchurch, N.Z. Driving mechanism of bicycles	9130	15 Dec.
Friend's Steam-generator and Imporous Butter box Company (Limited), The, Ashburton, N.Z. Composition for coating butter-boxes. (J. E. Friend)	8995	30 Oct.
Frith, H., Waitekauri, Auckland, N.Z. Protecting workers in stamper-batteries from the dust	9122	25 Nov.
Frölich, O., Berlin, Germany. Extracting metals from ores	8782	24 Aug.
Frossell, K. A., Smyrna, Ottoman Empire. (See T. H. Dolbey, No. 8979.)		
Frost, G., Auckland, N.Z. Wheel- and roller-attachment for carriages	8933	5 Oct.
Fuller, G. A., Christchurch, N.Z. Wool-washing machine	9074	26 Nov.
Fuller, H. F., Chicago, U.S.A. (See Pettibone, Mulliken, and Co., No. 8937.)		
Furlonge, F. A., Hawera, N.Z. Preserving meat	8753	17 Aug.
Furlonge, F. A., Hawera, N.Z. Thawing frozen produce	9029	12 Nov.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS FOR THE YEAR 1896—*continued.*

Name, Residence, and Invention.	No.	Date.
Furness, A. E., Sydney, N.S.W. Disinfecting box	9149	24 Dec.
Fyfe, P., and another, Glasgow, Scot. Wheel	9088	24 Nov.
Gabb, C. B., New Plymouth, N.Z. Milk-aëerator	8968	9 Oct.
Galbraith, D. R. S., Auckland, N.Z. Advertising medium	8237	6 Mar.
Galbraith, D. R. S., Auckland, N.Z. Soap-powder	8331	6 March.
Galbraith, D. R. S., Auckland, N.Z. Furnace	8424	24 April.
Galopin, H., Melbourne, Vic. Cock	8370	28 March.
Garland, C. L., Sydney, N.S.W. Driving-gear for cycles. (T. Andrew)	9050	18 Nov.
Garland, T., Wellington, N.Z. Washing-boiler	9013	7 Nov.
Garnier, J., Paris, Fr. Concentrating and amalgamating gold-ores	8508	14 May.
Gaut, J., Hastings, N.Z. Race-recorder	8528	26 May.
Gaut, J., Hastings, N.Z. Starting machine	8529	26 May.
Gaut, J., Sydney, N.S.W. Time- and position-recorder for races	9068	26 Nov.
Gaut, J., Sydney, N.S.W. Match-striker	9086	2 Dec.
Gaut, J., Leichhardt, Sydney, N.S.W. Driving mechanism of bicycles	9108	10 Dec.
Gee, J. E., and another, York, Eng. Machine for washing floors	8392	9 April.
Gee, W. C., Christchurch, N.Z. Operating venetian blinds	8621	2 July.
Gee, W. C., and another, Christchurch, N.Z. Bat-blade protector	8963	21 Oct.
Gee, W. J., and another, York, Eng. Machine for washing floors	8392	9 April.
Genn, P., Linwood, Christchurch, N.Z. Seed-drill	8467	6 May.
Gibbons, N., Manurewa, Auckland, N.Z. Roller-slip for launching timber logs	9160	23 Dec.
Gibson, B. M., and another, Sydney, N.S.W. Tarring and delivering wood blocks for paving roadways	8724	12 Aug.
Gibson, H., Ngaire, N.Z. Branding cattle, &c.	9105	27 Nov.
Gichard, E. B., and another, Wellington, N.Z. Rabbit-trap	8375	31 March.
Gill, A. B., and another, Kent, Eng. Lighting, heating, and ventilating railway-carriages, &c.	8377	31 March.
Gilmour, J., Christchurch, N.Z. Curing meat	8811	31 Aug.
Gilmour, J., Christchurch, N.Z. Freezing meat	8859	15 Sept.
Gilmour, J., Christchurch, N.Z. Tanning hides and skins	8855	22 Sept.
Gilmour, J., Christchurch, N.Z. Weighing and grading the carcasses of sheep and lambs	9153	30 Nov.
Glass, B. W., and another, Christchurch, N.Z. Freezing meat	9071	24 Nov.
Godward, E. R., Invercargill, N.Z. Convertible perambulator and cradle	8941	12 Oct.
Gooder, N. I., and another, Wellington, N.Z. Liquid motive-power applicable to bicycles, &c.	8798	29 Aug.
Göpner, C. W. H., and another, Hamburg, Germany. Recovery of gold and silver from their solutions	8973	26 Oct.
Gordon-Jones, J., Taheke, Hokianga, N.Z. Photographic washer and rocker	9103	7 Dec.
Gough, J. G., and another, Young, N.S.W. Driving-gear for cycles	8869	18 Sept.
Goulding, R., Taradale, Hawke's Bay, N.Z. Vessel and means for propelling same	8953	21 Oct.
Goyder, A. W., Hillgrove, N.S.W. Discharge-shoots for feeding ore to stamp-batteries	9089	3 Dec.
Graham, J. C., Gisborne, N.Z. Wire-straining grip	8754	12 Aug.
Grannes, J., Sydney, N.S.W. Buckle or fastener for shoes	8905	30 Sept.
Granville, B., Cincinnati, U.S.A. (See A. G. Corre, No. 9015.)		
Grapes, G. H., Wellington, N.Z. Hoe	8362	24 March.
Grapes, G. H., Paraparaumu, Wellington, N.Z. Bottle tell-tale	8626	4 July.
Grapes, G. H., Paraparaumu, Wellington, N.Z. Collar-stud	8952	22 Oct.
Gray, B., Wollongong, N.S.W. Saving gold	8619	2 July.
Gray, J., Dunedin, N.Z. Deepening adjust for ploughs	8371	10 June.
Gray, J., Dunedin, N.Z. Disc-harrow	8921	3 Oct.
Gray, J., Wellington, N.Z. Cultivator	8561	8 June.
Greaves, W. H. G., Cradock, Cape Colony. Plough	9135	17 Dec.
Greenhalgh, R., London, Eng. Marking and arranging patterns or sections of garments, &c.	8615	2 July.
Greenslade, J., Christchurch, N.Z. Threshing-machine	8344	11 March.
Gresham, E. G., Invercargill, N.Z. Wire-strainer	8931	7 Oct.
Griffith, A. H., and another, Sydney, N.S.W. Pump	8465	4 May.
Griffiths, P. O., Melbourne, Vic. Securing doors of railway-carriages, &c.	8809	2 Sept.
Grilli, R., Sumscala, Russia. Bicycle	8981	28 Oct.
Gross, A., Sydney, N.S.W. Boots and shoes	8784	24 Aug.
Gualter, A. F., Napier, N.Z. Cuff-guard	8596	22 June.
Guilleaume, M., Mulheim-on the Rhine, Germany. Electric cables	8376	31 March.
Gutensohn, A., Limehouse, Middlesex, Eng. Disintegration of quartz	8749	17 Aug.
Hall, F. R., and another, Dunedin, N.Z. Hat-hanger	8469	5 May.
Hall, J., Leeds, Eng. Treating skins, hides, &c.	9131	17 Dec.
Hall, J. W., and another, Toorak, Vic. Steam-shovel	9116	10 Dec.
Hamann, A., Dunedin, N.Z. Bucket	8261	4 Feb.
Hamilton, G. W. N., Albert Park, Vic. Enamel paint	8716	6 Aug.
Hamilton, H. R. W., and another, Little Akaloa, Canterbury, N.Z. Milking machine	8801	27 Aug.
Hamlin, G., Greymouth, N.Z. Film-carrier for magic-lantern	8232	29 Jan.
Hamlin, G., Greymouth, N.Z. Wire-net spring bed and couch	8993	27 Oct.
Hampe, W., and another, Hanover, Germany. Manufacture of zinc-oxide	8767	21 Aug.
Hannam, W. H., Sydney, N.S.W. Shower-bath apparatus	8291	21 Feb.
Hansen, A. H., and another, Wellington, N.Z. Draught-preventing apparatus for doors and windows	8772	22 Aug.
Hansen, C., and another, Wellington, N.Z. Draught-preventing apparatus for doors and windows	8772	22 Aug.
Harding, W. E., and another, Young, N.S.W. Driving gear for cycles	8869	18 Sept.
Hardley, S., Ashburton, N.Z. Seed-sower	8796	10 Aug.
Hare, A., and another, Kaeo, Whangaroa, N.Z. Electric bath	8449	29 April.
Hare, J. R., and another, Kaeo, Whangaroa, N.Z. Electric bath	8449	29 April.
Harman, T. de R., and another, Christchurch, N.Z. Supporting-attachment for bicycles	8983	27 Oct.
Harman, T. de R., and another, Christchurch, N.Z. Device for employment upon the handle-bar of cycles	8984	27 Oct.
Harper, J. H., Wanganui, N.Z. Separator	8396	8 April.
Harper, J. H., Wanganui, N.Z. Rain-water separator	8950	20 Oct.
Harper, J. H., and another, Wanganui, N.Z. Flax-scraping machine	8227	28 Jan.
Harper, W. A., Sydney, N.S.W. (See W. H. Moseley, No. 8513.)		
Harris, A., and another, Wanganui, N.Z. Flax-scraping machine	8227	28 Jan.
Harris, J., and another, Petersham, Sydney, N.S.W. Boots and shoes	8729	12 Aug.
Harris, J. P., Nelson, N.Z. Day-book	8320	3 March.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS FOR THE YEAR 1896—continued.

Name, Residence, and Invention.	No.	Date.
Harris, W. H., and others, Christchurch, N.Z. Filter	8634	6 July.
Harris, W. H., and others, Christchurch, N.Z. Oil-lamp	8896	26 Sept.
Harrison, A., and another, Adelaide, S.A. Tire-protector	8582	16 June.
Harrison, A., and another, Adelaide, S.A. Driving-gear for cycles	8930	10 Oct.
Harrison, J., and another, Stamford, Lincoln, Eng. (See J. Thompson, C. Everard, No. 8926.)		
Harrow, J., Sydenham, Christchurch, N.Z. Combined stench-tight commode and water-flush pump	8793	25 Aug.
Hart, A., and another, Melbourne, Vic. Butter-box	8340	11 March.
Hart, C. H., Eastbourne, Sussex, Eng. Cycling-skirt	9049	18 Nov.
Hart, J. R., Ashburton, N.Z. Horse-collar	8640	9 July.
Hart, L. H., Melbourne, Vic. Self-acting stereopticon	8783	24 Aug.
Hartitzsch, Von. (See under V.)		
Harvey, J. G., Rakaia, Canterbury, N.Z. Furrow-cutter for ploughs	8761	17 Aug.
Harwood, P. G., Wanganui, N.Z. Clock for timing sports, &c.	8554	4 June.
Hathaway, A. H., Timaru, N.Z. Device for aiding persons to play piano accompaniments	8414	22 April.
Hathaway, A. H., and another, Timaru, N.Z. Raising stool	8551	2 June.
Hatton, W., Caversham, N.Z. Confection	8349	14 March.
Haub, R., Perth, W.A. Railway-carriage coupling	9137	17 Dec.
Haughton, R. S., Wellington, N.Z. Tire	8765	20 Aug.
Hawkins, G. F., Palmerston North, N.Z. Type-writing machine	8192	10 Jan.
Hawkins, S. M., Kew, Vic. Sheep-shears	8547	3 June.
Hayes, L., Rough Ridge, Otago, N.Z. Pollard-poison cutter	8641	14 July.
Hean, L. A., Christchurch, N.Z. Corsets	8366	25 March.
Hedge, H., Christchurch, N.Z. Locking the wheels of vehicles	8206	16 Jan.
Hedge, H., Christchurch, N.Z. Locking the wheels of vehicles	8516	20 May.
Heiden, O. C., Wellington, N.Z. Extracting gold and silver	8462	4 May.
Heighton, A. L., Wellington, N.Z. Bottle	9145	23 Dec.
Hement, T. C. Washing-board	8965	17 Mar., '97
Henderson, J., Hawera, N.Z. Safety-breeching	9085	4 Nov.
Henneberg, W., and another, Hamburg, Germany. Grading and removing dust from pulverised ore	9106	7 Dec.
Henochsberg, J., and another, London, Eng. Extracting gold	8359	23 March.
Henry, J. H., Wellington, N.Z. Book-blotter	8282	18 Feb.
Henry, R. J., Ashburton, Canterbury, N.Z. Horse-collar	8864	17 Sept.
Henwood, E., Christchurch, N.Z. Tobacco-pipe	8452	30 April.
Hibberd, C., South Yarra, Vic. Life-boat	8418	24 April.
Hickson, T. W., Brighton, Vic. Handle and support for cans	8391	9 April.
Higgins, G., Dunedin, N.Z. Dredge	8491	9 May.
Higgins, M., and another, Timaru, N.Z. Wheel and axle	8556	4 June.
Hildyard, R. J. L., Cue, W.A. Axles of vehicles. (J. Tagell)	8500	13 May.
Hill, A. G., and another, Havelock, N.Z. Hauling-cage	8797	29 Aug.
Hill, C. J., Upper Riccarton, Canterbury, N.Z. Propelling bicycles, &c, by manual power	8371	27 March.
Hill, C. J., Upper Riccarton, Canterbury, N.Z. Propelling cycles by manual power	8477	9 May.
Hill, E. J., and another, Westminster, Eng. Supporting sash-windows	8824	3 Sept.
Hill, V. W., and another, Hull, Eng. Supporting sash-windows	8824	3 Sept.
Hillman, J., Ballarat, Vic. Gear for mining-cages	8998	4 Nov.
Hindley, M., Christchurch, N.Z. Hooks and eyes	8276	14 Feb.
Hinson, W., Melbourne, Vic. Clip for bicycles	8304	28 Feb.
Hobday, H. S. E., and another, Christchurch, N.Z. Preventing collapse of inflated tires when punctured	8856	12 Sept.
Hodge, T. H., Port Chalmers, N.Z. Rein	8658	20 July.
Hogg, A., Dunedin, N.Z. Method of working steam-engine	9121	9 Dec.
Holland, E., and another, Kuaotunu, Auckland, N.Z. Extracting gold	8545	2 June.
Holford, G., Auckland, N.Z. Davits for ships' boats	8653	15 July.
Holloway, G. T., and another, London, Eng. Smelting auriferous antimony ores	8870	18 Sept.
Holroyd, L. J., Wellington, N.Z. Stand for holding bicycles	8897	29 Sept.
Hooker, L., Brisbane, Queensland. Gas-burner	8439	28 April.
Horn, G. W., and another, Kuaotunu, Auckland, N.Z. Extracting gold	8545	2 June.
Horn, G. W., and another, Kuaotunu, N.Z. Extracting gold and silver	8271	11 Feb.
Horneman, C. W., Brisbane, Queensland. Saving gold	8310	2 March.
Hosking, A., Palmerston North, N.Z. Cultivator	8940	16 Oct.
Houston, D., Brisbane, Queensland. Soldering the joints of tin vessels	8488	28 April.
Howard, J., and another, Surbiton, Surrey, Eng. Motor-engine	9148	23 Dec.
Howden, T. G., Kew, Vic. Electric lamp for cycles	9026	11 Nov.
Howe, A., and another, Auckland, N.Z. Polish for boots, &c.	9159	22 Dec.
Howland, A. G., Christchurch, N.Z. Fastening for gloves, shoes, &c.	8476	8 May.
Howson, W., Stratford, N.Z. Sash-fastener	8301	26 Feb.
Howson, W., Stratford, N.Z. Hanging-sashes	8360	25 March.
Howson, W., Stratford, N.Z. Tin-opener	8406	21 April.
Huggins, H. A. R., Wellington, N.Z. Device for calculation of interest	8181	9 Jan.
Hughes, C. W., London, Eng. Hair-pin	9019	10 Nov.
Hughes, W. E., Wellington, N.Z. Treatment of zinc- and copper-bearing ores. (W. J. Koehler)	8844	15 Sept.
Humble, W., and another, Geelong, Vic. Clothes-washing machine. (G. Bryan)	8560	6 June.
Hunt, J. S., Hughenden, Queensland. Water-tank	8674	22 July.
Hunter, F. E., Melbourne, Vic. Box-iron	8327	4 March.
Huntington, A. K., London, Eng. Manufacture of hydrocyanic acid	8719	7 Aug.
Hutton, P., Wellington, N.Z. Connections for drainage-pipes	8660	21 July.
Hutton, R. W., Wellington, N.Z. Back-support for cyclists	8948	21 Oct.
Hyatt, W. H., and another, Surrey, Eng. Extracting gold	8359	23 March.
Ingle, H. J., Sydney, N.S.W. Regulating the supply of gas. (C. A. Finch)	8419	24 April.
Ingle, H. J., and another, Sydney, N.S.W. Liquid composition. (A. A. Stephenson)	8229	30 Jan.
Innes, D. T. C., and another, Wellington, N.Z. Cricket-wickets	9052	20 Nov.
Isaacs, D., Pahiatua, Wellington, N.Z. Advertisement	8427	28 April.
Isherwood, J. C. R., Palmerston North, N.Z. Telephones	8341	11 March.
Jack, R., Rutherglen, Vic. Apparatus for bagging and weighing fruit, &c.	9109	10 Dec.
Jackson, J. A., and another, Dunedin, N.Z. Lighting cigars and cigarettes	8650	14 July.
Jackson, J. A., and another, Dunedin, N.Z. Lighting cigars and cigarettes	8723	11 Aug.
Jackson, W. W., Geelong, Vic. Polish for metals	8972	26 Oct.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS FOR THE YEAR 1896—*continued.*

Name, Residence, and Invention.	No.	Date.
Jacob, C., Wellington, N.Z. Cycle-saddle	8852	16 Sept.
James, H. B., and another, Melbourne, Vic. Tire	8785	24 Aug.
James, W. H., and another, London, Eng. Extracting precious metals from their ores	8713	6 Aug.
Jeffcoat, F. H., and another, Wellington, N.Z. Amalgamator and concentrator	8951	22 Oct.
Jenkins, C. D., Boston, U.S.A. Pulverising ores	8929	10 Oct.
Jenkins, J. H., and another, Wellington, N.Z. Rabbit-trap	8875	31 March.
Jenkins, W. G., and another, Dunedin, N.Z. Wheel	9088	24 Nov.
Jensen, H. C., Manawatu, N.Z. Stump-jack	8177	6 Jan.
Jensen, J. H., Wellington, N.Z. Harrow and cultivator	8200	13 Jan.
Jensen, J. H., Wellington, N.Z. Harrow and cultivator	8387	7 April.
Jewell, W. A., and another, Christchurch, N.Z. Bat-blade protector	8963	21 Oct.
Jeyes' Sanitary Compounds Company (Limited), and another, London, Eng. Sheep-dipping powders	8867	18 Sept.
Johnson, H. G., and another, Birchip, Vic. Clothes-washing machine	8610	27 June.
Johnson, M. A., Palmerston North, N.Z. Tire	8353	20 March.
Johnson, M. A., Featherston, N.Z. Tub-drainer and clothes-protector	8635	10 July.
Johnston, E. C., Sydney, N.S.W. Colander	8385	7 April.
Jones, A., sen., Waipukurau, Hawke's Bay, N.Z. Wire-strainer	8447	30 April.
Jones, A. W., Christchurch, N.Z. Burglar alarm	9023	23 Oct.
Jones, A. W., Melbourne, Vic. Cess-pan and cover	9111	10 Dec.
Jones, Gordon-. (See under G.)		
Jones, Moore-. (See under M.)		
Jordan, A., London, Eng. Disintegrating hard substances	8632	8 July.
Joubert, N. A., and another, Sydney, N.S.W. Apparatus for producing ice-cream. (G. A. Amos)	8882	23 Sept.
Joynson, F. E. B., and another, Richmond, Vic. Sheep-shearing machine	8648	14 July.
Keating, R. M., Springfield, Massachusetts, U.S.A. Bicycle	9151	24 Dec.
Keetley, T. E., Fernside, Canterbury, N.Z. Furrow-slicer for ploughs	8638	11 July.
Kellogg, J. H., Battle Creek, Michigan, U.S.A. Radiant-heat bath	8429	28 April.
Kellogg, J. H., Battle Creek, Michigan, U.S.A. Alimentary product	8430	28 April.
Kemp, C. O., Sydney, N.S.W. Cycle-handle and steering-bar	8588	19 June.
Kent, A. E., Christchurch, N.Z. Carriage-lamp	8495	12 May.
Keyes, F. R., and another, New York, U.S.A. Cigar machine	8319	2 March.
Keymer, W., Auckland, N.Z. Funnel attachment for box-iron	9012	3 Nov.
Kiernan, E., Havelock, N.Z. Machine for forcing water or air	8222	28 Jan.
Kindermann, F. J. A., Melbourne, Vic. Driving mechanism of bicycles	8810	2 Sept.
King, K., Sydney, N.S.W. Pneumatic-tired wheel	8787	24 Aug.
King, W. R., and another, New York, U.S.A. Forming calcium carbide	8744	17 Aug.
Kinkead, J. H., Virginia, U.S.A. (See Kinkead Mill Company, No. 8616.)		
Kinkead Mill Company, San Francisco, U.S.A. Rock-crushing and -grinding apparatus. (J. H. Kinkead)	8616	2 July.
Kirk, G. A., and another, Victoria, Canada. Gold-amalgamator	8458	8 May.
Kirk, H. B., and another, Wellington, N.Z. Separating and supporting telegraph- and telephone-wires	8246	3 Feb.
Kirkbride, J. L., Wellington, N.Z. Cam for lifting stamps of stamp batteries	8576	15 June.
Kirkbride, J. L., Wellington, N.Z. Cam for lifting stamps of stamp batteries	8775	22 Aug.
Kirkbride, J. L., Wellington, N.Z. Preventing window-sashes from rattling	9062	23 Nov.
Kirkpatrick, J. S., Dunedin, N.Z. Interlocking block semaphore	8466	7 May.
Kirshner, M., Salem, Virginia, U.S.A. (See The American Tobacco Company of New Zealand, Limited, No. 8309.)		
Kitchingman, E. L., Cowra Creek Goldfield, N.S.W. Marine vessel	8421	24 April.
Knapp, E. A., and another, Motueka, Nelson, N.Z. Music-leaf turner	8489	12 May.
Knott, J., Christchurch, N.Z. Combined gasometer, purifier, stand and case for limelight apparatus	8762	17 Aug.
Knox, E. B. J., Johannesburg, South Africa. Treatment of ores	8629	6 July.
Knox, G. F., and another, Chicago, U.S.A. (See The Economical Refrigerating Company, No. 8522.)		
Koch, A. C., Auckland, N.Z. Duplex spanner for railways	8347	11 March.
Koehler, W. J., Broken Hill, N.S.W. (See W. E. Hughes, No. 8844.)		
Kohlsaat, P. N., and another, Chicago, U.S.A. Kiln	8817	3 Sept.
Krause, A. H., Wellington, N.Z. Envelope and wrapper	8134	11 Jan.
Kreissig, M., Wellington, N.Z. Ice-safe	8825	5 Sept.
Lamb, J. G., Wellington, N.Z. Bicycle-gear	8398	14 April.
Lamb, J. R., Waikato, N.Z. Wire-clip and -splice	8274	13 Feb.
Lambe, W., Papatoitoti, Auckland, N.Z. Harness-breeching	8656	17 July.
Lambert, F., Parkhurst, Wairoa, N.Z. Potato-digger and -bagger	8611	30 June.
Landells, W. H., and another, Ashburton, N.Z. Wire-staple	8496	12 May.
Landells, W. H., and another, Ashburton, N.Z. Cutting holes in wood, metal, &c.	8731	11 Aug.
Landells, W. H., and another, Ashburton, N.Z. Cutting holes in wood, metal, &c.	8873	19 Sept.
Langdon-Davies, W., West Kensington, Eng. (See The Alternate Current Electro-motor Syndicate, Limited, No. 8609.)		
Lansell, G., Bendigo, Vic. Pump	8212	23 Jan.
Lansell, G., Bendigo, Vic. Apparatus for counterbalancing haulage-ropes in mines	9045	17 Nov.
Larsen, P., Invercargill, N.Z. Corking bottles	8394	8 April.
Laurie, B. A., Auckland, N.Z. Race-starting machine	8962	21 Sept.
Laval, De. (See under D.)		
Lawless, T. G., and others, Gisborne, N.Z. Boot-protector	8365	25 March.
Lawrence, H. E., Christchurch, N.Z. Wheel-lock for bicycles	9129	15 Dec.
Lawrence, S., Melbourne, Vic. Marine propulsion	8502	18 May.
Lawson, L., Sydney, N.S.W. Buckle and fastener for mail-bags	9081	25 Nov.
Layman, H. D., New York, U.S.A. (See W. Wiggins, No. 8636.)		
Lee, G., Dunedin, N.Z. Hydraulic elevator or mining-pump	8639	15 June.
Lee Lamp [Parent] Company (Limited), The, London, Eng. (See E. Waters, No. 8548.)		
Leech, G. J., Rangiora, Canterbury, N.Z. Flax-stripping machine	8779	20 Aug.
Lees, R., Dunedin, N.Z. Wire-strainer	8332	7 March.
Lees, S. H., and another, Auckland, N.Z. Polish for boots, &c.	9159	23 Dec.
Legg, A. W., Balclutha, Otago, N.Z. Furrow-skimmer	8651	15 July.
Legg, A. W., Balclutha, Otago, N.Z. Pulverising attachment for ploughs	8834	10 Sept.
Legge, A. M., Auckland, N.Z. Candle-holder	8541	27 May.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS FOR THE YEAR 1896—continued.

Name, Residence, and Invention.	No.	Date.
Legge, A. M., and another, Auckland, N.Z. Preservative for fruit, eggs, &c.	9034	11 Nov.
Legge, E. N., and another, Auckland, N.Z. Preservative for fruit, eggs, &c.	9034	11 Nov.
Lehmann, F. D. T., and another, Chicago, U.S.A. Kiln	8817	3 Sept.
Lever, S., Paddington, Sydney, N.S.W. Securing neckties, bows, &c.	8806	1 Sept.
Lewington, T. M., Lyttelton, N.Z. Ventilator for water-closets	8580	12 June.
Lewington, T. M., Lyttelton, N.Z. Sanitary ventilator	8704	31 July.
Lewis, I., Reefton, N.Z. Dredging auriferous rivers	8278	18 Feb.
Lewis, I., Reefton, N.Z. Ore-roasting furnace	8279	18 Feb.
Lewis, I., Reefton, N.Z. Candle-holder	8280	18 Feb.
Lewis, I., Reefton, N.Z. Wheel	8334	5 March.
Lewis, I., Reefton, N.Z. Removing large stones	8343	7 March.
Lewis, I., Reefton, N.Z. Heating apparatus	8553	28 May.
Lewis, T. W., and others, Christchurch, N.Z. Filter	8634	6 July.
Lewis, T. W., and others, Lyttelton, N.Z. Oil-lamp	8896	26 Sept.
Leyden, J. B., Melbourne, Vic. Toy	8902	30 Sept.
Leyden, T., and another, Trentham, Vic. Horse-race starter	8269	10 Feb.
Light, A. H., Wellington, N.Z. Menu- and wine-card stand	8221	27 Jan.
Lightband, C. D., Christchurch, N.Z. Apron for reapers and binders	8444	29 April.
Lightband, C. D., Christchurch, N.Z. Attachment for belt-stitching machine	8537	27 May.
Lightband, G. W. W., Christchurch, N.Z. Step-ladder	8552	2 June.
Lightfoot, T. B., London, Eng. Cooling air	8339	11 March.
Lindsay, A. McK., and another, Wainawa, Otago, N.Z. Condensing and sterilising milk	8599	25 June.
Lindsay, R. C., and another, Wainawa, Otago, N.Z. Condensing and sterilising milk	8599	25 June.
Linley, J. A., London, Eng. Preserving frozen meat	8460	4 May.
Litchfield, E. M., Greymouth, N.Z. Tea-infuser	8402	20 April.
Ljungstrom, B., and another, Stockholm, Sweden. Cycle	8288	21 Feb.
Ljungstrom, F., Stockholm, Sweden. Heating or evaporating apparatus	9014	7 Nov.
Ljungstrom, F., and another, Stockholm, Sweden. Cycle	8288	21 Feb.
Lloyd, J. F., Woolston, Canterbury, N.Z. Coupling for driving-belts	9078	27 Nov.
Löb, J. L., and others, Adelaide, S.A. Driving gear for cycles, &c.	8818	3 Sept.
Lockwood, A. A., Sydney, N.S.W. Treating ores	8302	26 Feb.
Longridge, C. C., and another, Leigh, Essex, Eng. Smelting auriferous antimony ores	8870	18 Sept.
Lorenz, R. O., Göttingen, Ger. Apparatus for producing zinc and lead	8191	10 Jan.
Lovegrove, H. W., Geraldine, N.Z. Sulky	8985	24 Sept.
Lundon, D., and another, Tauranga, N.Z. Wire-strainer, -coiler, and -uncoiler	8540	30 May.
Lungwitz, E. E., Brooklyn, U.S.A. Smelting ores	8480	12 May.
Luplau, W., South Yarra, Vic. Aëration of milk	8917	6 Oct.
Luttrell, A. E., and another, Launceston, Tasmania. Pump	8465	4 May.
Luttrell, G. S., Launceston, Tasmania. Pump	9156	29 Dec.
Luxford, W. L., and another, Wellington, N.Z. Cultivator	8685	27 July.
Luxford, W. L., and another, Wellington, N.Z. Marking sheep, &c.	8686	27 July.
Luxford, W. L., and another, Wellington, N.Z. Bottle-stopper	8687	27 July.
Macalister, J., Invercargill, N.Z. Turnip sower	8584	12 June.
Macalister, J., Invercargill, N.Z. Lime and ashes distributor	9007	15 Oct.
Macalister, J., Invercargill, N.Z. Ridger for making raised drills	9023	6 Nov.
MacArthur, J. S., Renfrew, Scot. (See The Cassel Gold-extracting Company, Limited, No. 8185.)		
Macdonald, C. A., Sydney, N.S.W. Cooling air for freezing purposes	8714	6 Aug.
Macdonald, C. R., Otahuhu, Auckland, N.Z. Hot-air engine	8803	27 Aug.
Macdonald, C. R., Otahuhu, Auckland, N.Z. Hot-air engine	8827	2 Sept.
Macdonald, D., Wellington, N.Z. Wood-splitting machine	9021	10 Nov.
Macdonald, R. M., Christchurch, N.Z. Cost-indicating apparatus	8454	30 April.
Macdonald, R. M., Christchurch, N.Z. Bicycle	8702	31 July.
MacDonnell, D. G., and another, Auckland, N.Z. Drum for aerial wire-tramway systems	9035	11 Nov.
Maclaren, W. F., and another, Glasgow, Scot. Condensed-milk products	8912	5 Oct.
Maclaur, J., London, Eng. Extracting precious metals from their ores	8752	17 Aug.
Majert, W., Falkenberg, Ger. Extracting gold	8880	31 March.
Mallandine, W., and another, Ngaruawahia, N.Z. Pressing fat	8657	20 July.
Mander, J. H., Christchurch, N.Z. Vote-recording machine	9154	3 Dec.
Mann, T. H., Waimate, Canterbury, N.Z. Bootlace-fastener	9189	11 Dec.
Mansfield, J. E., and another, Melbourne, Vic. Milking-bucket	8698	31 July.
Manttan, J., Wellington, N.Z. Venetian blind	8814	2 March.
Manttan, J., Wellington, N.Z. Venetian-blind lathe	9099	5 Dec.
Marsh, A., New Plymouth, N.Z. Seed-drill	8693	27 July.
Marsh, A., New Plymouth, N.Z. Attachment for seed-drill	8694	27 July.
Marshall, J. J., Sydney, N.S.W. Driving-gear for cycles	8530	27 May.
Marshall, L., and another, London, Eng. Starting-machine for races	8901	25 Sept.
Martin, A., Wellington, N.Z. Photographs	8946	20 Oct.
Martin, J., Sydney, N.S.W. Sheep-shears. (H. Bland)	8712	6 Aug.
Massey-Harris Company (Limited), Toronto, Canada. Steering the wheels of ploughs. (C. McLeod)	8420	24 April.
Matchett, R., Melbourne, Vic. Reducing the pressure of liquids and gases	9152	24 Dec.
May, K. A., London, Eng. Extracting gold and silver from their ores	9102	7 Dec.
Mayer, D., London, Eng. Stringed instruments	8928	10 Oct.
McAdams, L. C., Oakland, Alameda, U.S.A. Engine	8974	26 Oct.
McAlpine, G. G., Christchurch, N.Z. Tackle-releasing snatch-block	8994	29 Oct.
McCarthy, P. F., Melbourne, Vic. Advertising apparatus	8879	28 Sept.
McChesney, J., and another, Wellington, N.Z. Apparatus to prevent horses from running away	8938	16 Oct.
McClatchy, J., Timaru, N.Z. Propelling boats	9036	16 Nov.
McColl, J. L., Auckland, N.Z. Engine	8296	21 Feb.
McConechy, J., Glasgow, Scot. Wheel	8203	15 Jan.
McCreath, J., Gore, Otago, N.Z. Drying wool	8457	4 May.
McCreath, J., Gore, Otago, N.Z. Drying wool	8535	29 May.
McCreath, J., Dunedin, N.Z. Drying wool	8734	11 Aug.
McCreath, J., and another, Gore, Otago, N.Z. Drying wool	8413	22 April.
McDermott, M. P., Auckland, N.Z. Burglar alarm	8890	25 Sept.
McDonald, A., Dunedin, N.Z. Traction-engine	8759	19 Aug.
McDonald, A. R., Dunedin, N.Z. Pneumatic stuffing for furniture	8836	29 Aug.
McDonald, A. R., Dunedin, N.Z. Head-covering, pad, or glove	8907	17 Sept.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS FOR THE YEAR 1896—continued.

Name, Residence, and Invention.	No.	Date.
McDonald, A. T., Dunedin, N.Z. Wire-strainer	9158	8 Feb., '97
McDougall, J. W., Napier, N.Z. Tire	8945	20 Oct.
McDougall, J. W., Napier, N.Z. Bottle	8975	26 Oct.
McGeorge, J. C., Dunedin, N.Z. Saving gold	8738	23 Aug.
McGeorge, J. C., and another, Dunedin, N.Z. Obtaining complete delivery in dredge-buckets	9030	10 Nov.
McGill, A., Dunedin, N.Z. Tram-car	9053	14 Nov.
McGrath, M. T., Wellington, N.Z. Cycling clothing	8265	11 Feb.
McKaskell, W., Kaiapoi, N.Z. Cricket-wicket	9128	15 Dec.
McKenzie, D., Auckland, N.Z. Billiard- and dining-table	8840	10 Sept.
McKenzie, W., and another, Wellington, N.Z. Violin	8883	1 April.
McKie, H. D., and another, Melbourne, Vic. Driving-gear for cycles	8881	23 Sept.
McLauchlan, E. M., Springhills, Southland, N.Z. Pulverising attachment to ploughs	8992	1 Oct.
McLeod, A. M., and another, Edinburgh, Scot. Tire	9113	17 Dec.
McLeod, C., Melbourne, Vic. (See Massey-Harris Company, Limited, No. 8420.)		
McLeod, C., Melbourne, Vic. Cultivator and seed-drill	8487	12 May.
McLeod, H. N., Wellington, N.Z. Enclosing mailable matter	8939	16 Oct.
McLeod, R., jun., and another, Edinburgh, Scot. Tire	9133	17 Dec.
McManus, W. J., Picton, N.Z. Working the figures on a steam riding-gallery	8270	12 Feb.
McNae, A., and another, Lincoln, N.Z. Drenching cattle and horses	8970	24 Oct.
McPherson, W., Greymouth, N.Z. Hatch-covering	8878	11 June.
McVicar, A., and another, Western Spit, N.Z. Refrigerating-machine	8207	17 Jan.
McWilliam, A., Mangatoki, Taranaki, N.Z. Butter-box	8858	15 Sept.
Meeks, A. W., Sydney, N.S.W. Disinfectant and bleaching fluid. (M. Frewen, A. E. Woolf)	8255	6 Feb.
Meers, W. F., and another, Sydenham, Christchurch, N.Z. Raising stool	8551	2 June.
Mergenthaler, O., Baltimore, U.S.A. Linotype machine	8815	3 Sept.
Mergenthaler, O., Baltimore, U.S.A. Linotype machine	8842	14 Sept.
Metzenthin, R. J. E., Richmond, Nelson, N.Z. Boot-repairing last	8690	25 July.
Metzer, J., Campbelltown, N.Z. Driving-gear for bicycles	8272	12 Feb.
Metzer, J., Bluff, N.Z. Bird-exterminator	8835	29 Aug.
Middleton, F. L., and another, Washington, U.S.A. Making leather articles. (A. L. Sweet)	9101	7 Dec.
Midson, J. D., and another, North Botany, N.S.W. (See H. Dixon, No. 8226.)		
Miles, A. C., and another, Woodstock, Oxford, Eng. Galvanic battery	9018	7 Nov.
Millington, J. P., Picton, N.Z. Projectile	8845	16 Sept.
Mirfin, G., and another, Melbourne, Vic. Gear-case for velocipedes	8725	12 Aug.
Moffatt, W. J., and another, Motueka, Nelson, N.Z. Music-leaf turner	8489	12 May.
Moller, B. H., Nelson, N.Z. Wheelbarrow	9055	20 Nov.
Mond, L., London, Eng. Treating nickel ores	8209	23 Jan.
Moore Electrical Company, New York, U.S.A. Electric illumination. (D. McF. Moore)	8215	22 Jan.
Moore, D. McF., New Jersey, U.S.A. (See Moore Electrical Company, No. 8215.)		
Moore, J. C., Eastbourne, Sussex, Eng. Reaping-machine	8669	22 July.
Moore-Jones, D., Auckland, N.Z. File for papers	8839	9 Sept.
Morgans, A. E., London, Eng. Extracting precious metals	8175	7 Jan.
Morgenstern, De. (See under D.)		
Morison, D. B., Hartlepool, Eng. Stamping apparatus for crushing ores	8982	27 Oct.
Moritz, D., Sydney, N.S.W. (See H. M. Clark, No. 8673.)		
Morris, C. N., St. Kilda, Vic. Cabinet for cycles	9150	24 Dec.
Morrison, H., Stratford, Essex, Eng. Machine for breaking up surfaces of roads	8707	6 Aug.
Morrison, H., London, Eng. Wheel	9072	27 Nov.
Morrison, H., London, Eng. Brake for vehicles	9073	27 Nov.
Morton, W., Dunedin, N.Z. Gold-saving apparatus	8562	5 June.
Morton, W., Dunedin, N.Z. Screening auriferous sand	8563	5 June.
Morton, W., Dunedin, N.Z. Generating acetylene gas	8773	18 Aug.
Morton, W., Dunedin, N.Z. Generating acetylene gas	8799	31 Aug.
Moseley, W. H., Sydney, N.S.W. Manufacture of zinc-oxide. (T. A. de Wolf)	8512	22 May.
Moseley, W. H., Sydney, N.S.W. Extracting silver. (W. A. Harper)	8513	22 May.
Motive Power and Light Company (Limited), The, Christchurch, N.Z. Hydrocarbon motor. (J. E. Friend)	8822	3 Sept.
Muirhead, A., London, Eng. Submarine-telegraph cables	8324	4 March.
Muirhead, W., and another, Melbourne, Vic. Cutting butter	8484	12 May.
Mullay, T. S., Bluff, N.Z. Fish-splitter and -cleaner	9059	19 Nov.
Mulvihill, P., Te Moana, South Canterbury, N.Z. Coulters of grain-drills	8652	15 July.
Munro, D., Melbourne, Vic. Converting skim-milk into a marketable commodity	8268	11 Feb.
Munro, N. R., Mansfield, Vic. Generating poisonous fumes and forcing them into rabbit-burrows	8768	21 Aug.
Munro, N. R., Mansfield, Vic. Depositing poisoned grain in furrows	8769	21 Aug.
Murdoch, H. H., Hastings, Hawke's Bay, N.Z. Shorthand typewriter	8820	2 Sept.
Murdoch, J., and others, Christchurch, N.Z. Filter	8634	6 July.
Murie, R., Invercargill, N.Z. Driving-gear for bicycles	8700	28 July.
Murie, R., Invercargill, N.Z. Pneumatic spring for bicycles	8791	21 Aug.
Murphy, J. G., Middletown, Connecticut, U.S.A. Extracting gold	8746	17 Aug.
Murray, J. G., Gosford, N.S.W. (See J. Carter, No. 8211.)		
Musson, J., Sydney, N.S.W. Drawbridge	8172	3 Jan.
Myers, J., Wellington, N.Z. Bicycle-seat	8980	28 Oct.
Naismith, J. C., Dunedin, N.Z. Seed- or manure-sower	9070	23 Nov.
Nankivell, W. J., Waikouaiti, Otago, N.Z. Life saving raft	8404	20 April.
Newall, J. W., Sydney, N.S.W. Machine for cutting hair or wool	9002	4 Nov.
Newland, T., Wellington, N.Z. Tire-protector	8877	22 Sept.
Nicholas, R., Sydenham, N.Z. Windmill	9031	10 Nov.
Nicholson, W., and another, Geelong, Vic. Clothes-washing machine. (G. Bryan)	8560	6 June.
Nicol, W., Invercargill, N.Z. Electric-time handicap-starter	8286	17 Feb.
Nicolson, N., St. Bathans, Otago, N.Z. Extracting iron from ironsand	9100	1 Dec.
Noble, A., and another, Christchurch, N.Z. Billiard cue and tip	8490	11 May.
Noffe, F. W., Wellington, N.Z. Axe	8410	16 April.
Nolan, M. J., New York, U.S.A. Non-fillable bottle	8631	8 July.
Norgrove, W., Wellington, N.Z. Wheel	8333	7 March.
Norris, C. J., and another, London, Eng. Extracting precious metals from their ores	8713	6 Aug.
Oates, N., Christchurch, N.Z. Bending the handle-bar of cycles	8683	3 July.
O'Brien, M., and another, Christchurch, N.Z. Attachment to gaiters	8874	28 March.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS FOR THE YEAR 1896—continued.

Name, Residence, and Invention.	No.	Date.
O'Connell, P., Christchurch, N.Z. Canvas folding-boat	8802	27 Aug.
Oppermann, E. L., London, Eng. Apparatus for use with a mercury vapour process	8906	30 Sept.
Osborn, A. H. O., and another, Johannesburg, South African Republic. Recovering precious metals from slimes	8816	3 Sept.
Osborn, S. S., and another, Johannesburg, South African Republic. Recovering precious metals from slimes	8816	3 Sept.
Osborne, G., Willowby, Canterbury, N.Z. Combined plough, hoe, and drill	8996	30 Oct.
Osborne, J., Doyleston, Canterbury, N.Z. Sinking artesian wells	8612	30 June.
Osmond, F. J., Moseley, Eng. Hubs and bottom brackets of cycles, &c.	9112	8 Dec.
Osmond, F. J., Moseley, Eng. Driving-mechanism of cycles, &c.	9113	8 Dec.
Oswald, A. H., and another, Johannesburg, South African Republic. Recovering precious metals from slimes	8816	3 Sept.
Ottaway, F., Rangitikei, N.Z. Railway-fastening	8247	4 Feb.
Otton, S. C., Paddington, Sydney, N.S.W. Tire	9138	17 Dec.
Otway, A. E., Invercargill, N.Z. Pneumatic privy-seat	8373	25 March.
Otway, A. E., and another, Invercargill, N.Z. Table	8329	29 Feb.
Otway, A. E., and another, Invercargill, N.Z. Folding cabin-table	8342	6 March.
Owen, W., Brixton, Surrey, Eng. Manufacture of artificial stone	8903	30 Sept.
Owen, W., and another, Petersham, Sydney, N.S.W. Boot or shoe	8729	12 Aug.
Owen, W. T., and another, Wellington, N.Z. Composition applicable to permanent-way of railways	8201	13 Jan.
Packe, J. G., and another, Burnley, Melbourne, Vic. Sheep-shearing machine	8648	14 July.
Packer, J. A., Nelson, N.Z. Artificial limb	8321	28 Feb.
Paddy, J., and another, Ngaruawahia, N.Z. Pressing fat	8657	20 July.
Page, C. E., and another, Christchurch, N.Z. Propelling-gear for bicycles	8813	1 Sept.
Page, F. W., Chertsey, Canterbury, N.Z. Grass-seed stripper	8577	13 June.
Page, F. W., Chertsey, Canterbury, N.Z. Fencing-staple	8654	14 Aug.
Page, W., Winchester, Canterbury, N.Z. Wire-strainer	8900	30 Sept.
Page, W. C., Ashburton, N.Z. Flooring- and lining-cramp	8205	16 Jan.
Painter, F. W., Christchurch, N.Z. Apparatus for attachment to cycle to assist instructor in teaching a person to ride	8920	5 Oct.
Pallant, W. J., Palmerston North, N.Z. Repairing-last	8403	20 April.
Pallant, W. J., Palmerston North, N.Z. Seamless boot	8705	4 Aug.
Pape, H., and another, Hamburg, Ger. Grading and removing dust from pulverised ore	9106	7 Dec.
Papprill, S., and others, Wellington, N.Z. Extracting precious metals from their ores	9162	31 Dec.
Park, A. J., Dunedin, N.Z. Finger-protector for use when sewing by hand	8601	26 June.
Park, A. J., Dunedin, N.Z. Candle	9076	28 Nov.
Park, H., Dunedin, N.Z. Dredging apparatus	8472	8 May.
Park, J., and another, Kuaotunu, N.Z. Extracting gold and silver	8271	11 Feb.
Park, J., and another, Thames, N.Z. Obtaining gold and silver from ores	8281	14 Feb.
Parke and Lacy Company (Limited), The, Sydney, N.S.W. Furnace	8808	1 Sept.
Parke and Lacy Company, San Francisco, U.S.A. Furnace. (A. Ropp)	9048	18 Nov.
Parker, T., Toronto, Canada. Pulveriser	8532	28 May.
Parry, A. G., Christchurch, N.Z. Figure-support	8655	15 July.
Parsons, A., Armadale, Vic. Boot- or shoe-protector	8679	23 July.
Parsons, W. B., Melbourne, Vic. Cyclists' valise	9066	26 Nov.
Passmore, F. W., and others, London, Eng. Sheep-dipping powders	8867	18 Sept.
Pattisson, S., Kensington, Middlesex, Eng. Saddle for velocipedes	8523	23 May.
Payne, F. W., Dunedin, N.Z. Preventing accidents to cable-cars	8969	22 Oct.
Payne, F. W., and another, Dunedin, N.Z. Obtaining complete delivery in dredge-buckets	9030	10 Nov.
Payne, J., New Plymouth, N.Z. Tire-protector	9009	3 Nov.
Peacock, T., Auckland, N.Z. Levelling-head for tripods of theodolites	8908	4 Sept.
Peake, H. L., Wanganui, N.Z. Tightening wires in fences	8555	29 May.
Pease, E. L., Stockton-on-Tees, Eng. Structural arrangement for flooring, walling, &c.	8519	23 May.
Peck, W., Wellington, N.Z. Thawing frozen meat	8568	11 June.
Peck, W., Wellington, N.Z. Thawing frozen meat	8736	15 Aug.
Pelatan, L., and another, Paris, Fr. Obtaining precious metals from ores	8252	6 Feb.
Penman, J. J., Pukekohe, Auckland, N.Z. Trap-seat	8298	22 Feb.
Pennington, E. J., Racine, Wisconsin, U.S.A. (See J. B. Carse, No. 8244.)		
Penny, J. T., and another, Adelaide, S.A. Preventing the sickening of mercury	8356	20 March.
Perkins, A. T., Alameda, U.S.A. (See J. M. Smart, No. 8173.)		
Perkins, J. F., Auckland, N.Z. Appliance for turning ships	8231	27 Jan.
Perry, A. M., Buckland, Auckland, N.Z. Manure- and seed-distributor	8407	22 April.
Petersen, E., London, Eng. (See G. Scott, No. 8256.)		
Petersen, W., and another, Melbourne, Vic. Gear-case for velocipedes	8725	12 Aug.
Petre, F. W., and another, Dunedin, N.Z. Automatically registering instructions given to driver of locomotive	8217	23 Jan.
Pettibone, Mulliken, and Co., Chicago, U.S.A. Gas-generator. (H. F. Fuller)	8937	16 Oct.
Pfeiff, A. T., Copenhagen, Denmark. Sterilising milk	9037	14 Nov.
Pfleger, J., Kaiserslautern, Ger. Obtaining gold and silver from their solutions	8187	10 Jan.
Phillips, C., Melbourne, Vic. Ore-dressing and gold-separating apparatus	8671	22 July.
Pickering, P., Wellington, N.Z. Bench-stop	9039	16 Nov.
Pickering, P., Wellington, N.Z. Toy	9040	16 Nov.
Pickett, E. F., and another, Buffalo, U.S.A. Tire	8405	20 April.
Pielsticker, C. M., Auckland, N.Z. Antiseptic	8520	23 May.
Pielsticker, C. M., Auckland, N.Z. Manufacture of steel and iron	8521	23 May.
Pielsticker, C. M., Auckland, N.Z. Manufacture of a substitute for emery wheels	8947	21 Oct.
Piercy, J., Kuaotunu, N.Z. Amalgamator	9144	17 Dec.
Poll, G., Wellington, N.Z. Dredge	8958	23 Oct.
Poll, G., Wellington, N.Z. Dredge	9083	1 Dec.
Pontin, E., Williamstown, Vic. Lining for butter-boxes	8742	15 Aug.
Pool, J., Milparinka, N.S.W. Ink-bottle	8436	23 April.
Poole, S. D., Illinois, U.S.A. (See Deere and Co., No. 8316.)		
Potter, A., Auckland, N.Z. Draped photographs and pictures	8395	8 April.
Potter, H. W., and another, Wellington, N.Z. Branding sheep	8434	28 April.
Potts, W. F., Wellington, N.Z. Laundry-strainer	8966	24 Oct.
Powell, E. A., Melbourne, Vic. Blind-roller	8644	14 July.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS FOR THE YEAR 1896—*continued.*

Name, Residence, and Invention.	No.	Date.
Powell, F. F., Methven, Canterbury, N.Z. Driving-mechanism for cycles	8758	19 Aug.
Powick, T., and another, Waikakaho, N.Z. Hauling-cage	8797	29 Aug.
Pratt, F., Christchurch, N.Z. Applying invigorating liquids to the hair	8441	27 April.
Preiss, A., Norwood, S.A. Secondary or storage battery	8727	12 Aug.
Preston, E. J., and another, Kent, Eng. Lighting, heating, and ventilating railway-carriages, &c. ..	8377	31 March.
Preston, W. D. V., and another, Ashburton, N.Z. Wire-staple	8496	12 May.
Price, J., Belgrove, Nelson, N.Z. Wire-strainer	8932	11 Sept.
Price, W. H., Sydenham, N.Z. Spray-pump	8688	25 July.
Pringle, A., Wellington, N.Z. Device for facilitating swimming	8875	21 Sept.
Prior, A., Dunedin, N.Z. Wedding-cake box	8295	20 Feb.
Prior, A., Dunedin, N.Z. Fastening door-latches	9005	5 Nov.
Pritchett, P. H., Little River, Canterbury, N.Z. Pump	8564	3 June.
Pritchett, P. H., Little River, Canterbury, N.Z. Tire	8695	27 July.
Proctor, W. J., and another, Melbourne, Vic. Tire	8785	24 Aug.
Pullbrook, A., Middlesex, Eng. Tire	8257	6 Feb.
Punchard, J. H., and others, London, Eng. Incandescent oil-burner	9143	19 Dec.
Purdy, J. R., Wellington, N.Z. Bicycle-saddle	9041	17 Nov.
Purser, E., Blenheim, N.Z. Bricks for lining smelting-furnaces	8689	24 July.
Rabbidge, P., Sydney, N.S.W. Indicator for telephone switch-boards	9092	3 Dec.
Ragot, G., Brussels, Belgium. Producing acetylene gas	8482	12 May.
Rainbow, W., Christchurch, N.Z. Apparatus for supplying horse-feed to mangers	8721	7 Aug.
Rainbow, W., Christchurch, N.Z. Marking cattle, &c.	8886	22 Sept.
Raine, O.C., Richmond, Christchurch, N.Z. Tire	8600	26 June.
Ralph, H. J., Kew, Vic. Brake for bicycles, &c.	8622	3 July.
Raschen, J., Liverpool, Eng. (See United Alkali Company, Limited, No. 8224.)	9008	31 Oct.
Raymond, F. V., Invercargill, N.Z. Cricket-stumps	8329	29 Feb.
Raymond, F. V., and another, Invercargill, N.Z. Table	8342	6 March.
Raymond, F. V., and another, Invercargill, N.Z. Folding cabin-table	8342	6 March.
Read, J. C. C., and another, London, Eng. (See E. Waters, No. 8548.)	9162	31 Dec.
Reeves, R. H. J., and others, Wellington, N.Z. Extracting precious metals from their ores	8471	8 May.
Reid, J. S., Maraekakaho, Hawke's Bay, N.Z. Wire-winder	9027	11 Nov.
Renz, G., and others, Sydney, N.S.W. Extracting gold	8943	19 Oct.
Reyburn, R., and another, Sydney, N.S.W. Cooling and aerating milk	8379	31 March.
Reynolds, H. D. A., Dunedin, N.Z. Sleeve-link	8533	23 May.
Reynolds, E., Purakanui, Dunedin, N.Z. Keeping fencing-wire in proper position	8355	20 March.
Richard, G. A., and another, Mount Morgan, Queensland. Steam-shovel	9116	10 Dec.
Richard, G. A., and another, Mount Morgan, Queensland. Steam-shovel	8718	6 Aug.
Richards, J., Christchurch, N.Z. Wire-strainer	8764	20 Aug.
Richardson, F., Wellington, N.Z. Driving-gear for cycles	9097	2 Dec.
Richardson, J., Onehunga, Auckland, N.Z. Knife attachment to cultivators	8795	14 Aug.
Richardson, T., Ngapara, N.Z. Horse-cover	9006	5 Nov.
Richardson, W. E., Dunedin, N.Z. Apparatus for cancelling and affixing stamps	8637	11 July.
Riordan, P., Bathurst, N.S.W. Appliance for cure of toothache	8383	1 April.
Rising, W. W., and another, Wellington, N.Z. Violin	8464	5 May.
Ritson, G. A., Wellington, N.Z. Rotary-engine	8892	24 Sept.
Roberts, J. S., Christchurch, N.Z. Wire-strainer	9140	19 Dec.
Robertson, D., Wellington, N.Z. Grip for hydraulic lifts, &c.	8399	14 April.
Robertson, G., Wellington, N.Z. Supporting attachment for bicycles	8470	6 May.
Robertson, J., Hampden, Otago, N.Z. Plough	9084	1 Dec.
Robertson, J. W., Dunedin, N.Z. Gold-saving apparatus	8831	8 Sept.
Robins, J. S., and another, Stockton, California, U.S.A. Plough	8178	8 Jan.
Robinson, C. J., Bourke, Vic. Milk-aerator	8534	28 May.
Robinson, G., Levin, N.Z. Fire-tongs	8586	15 June.
Robinson, S., Newport, Salep, Eng. Steam-engine	8586	15 June.
Rollitt, W., Christchurch, N.Z. (See The Combined Weight and Cost Indicating Scale Company, Limited, No. 8446.)	8443	27 April.
Rollitt, W., and another, Hororata, Canterbury, N.Z. Cost-indicating device	8443	27 April.
Ropp, A., Selby, California, U.S.A. (See Parke and Lacy Company, No. 9048.)	8443	27 April.
Rosenthal, S. A., London, Eng. (See The Sussmann Electric Miners' Lamp Company, Limited, No. 9042.)	8204	15 Jan.
Rowan, T., London, Eng. Gas-lighting	8445	28 April.
Rowell, F., Christchurch, N.Z. Employing telephone systems for burglar-alarm purposes	9051	18 Nov.
Rowley, J., London, Eng. Cricket-stumps	8866	17 Sept.
Rowntree, F., Hobart, Tas. Wire-strainer	8372	24 March.
Royds, T. S., Invercargill, N.Z. Paper-cabinet	8468	4 May.
Royds, T. S., Waikiki, Southland, N.Z. Paper-cabinet	8565	8 June.
Russell, J., Christchurch, N.Z. Press for compressing shavings for fuel	8650	14 July.
Rutherford, R. W., Dunedin, N.Z. Lighting cigars and cigarettes	8723	11 Aug.
Rutherford, R. W., and another, Dunedin, N.Z. Lighting cigars and cigarettes	8358	23 March.
Ryding, F., Melbourne, Vic. Fastening for leggings	8595	24 June.
Salkeld, T., Moorabool, Vic. Gate	8732	11 Aug.
Salvador, M., Lyttelton, N.Z. Key for lever-lock	8461	4 May.
Sando, J. A., and others, Adelaide, S.A. Tire	8485	12 May.
Sands, J., Sydney, N.S.W. Machine for punching pipes and cylinders	9110	10 Dec.
Sands, J., Sydney, N.S.W. Joint for wrought-iron pipes	8862	16 Sept.
Saulez, E. F., Christchurch, N.Z. Pencil scribe	9120	11 Dec.
Saunders, G., Christchurch, N.Z. Protecting from wear the concave bars of threshing-mills	8829	7 Sept.
Scarr, J. S., Hobart, Tas. Lantern-lamp	9104	7 Dec.
Schlesinger, W. M., London, Eng. Case for velocipede-pump	8390	9 April.
Schlicht, P. J., New Jersey, U.S.A. Apparatus for producing combustion	8549	3 June.
Schmidt, A., Cassel, Ger. Distillation of wood, wood waste, &c.	8812	1 Sept.
Schmoll, L., Linwood, Christchurch, N.Z. Picture-frame clamp	8767	21 Aug.
Schnabel, C., and another, Hanover, Ger. Manufacture of zinc-oxide	8767	21 Aug.
Schroeder, F. W., Sydney, N.S.W. (See Schroeder's Ball-bearing Company, Limited, No. 9090.)	9090	3 Dec.
Schroeder, F. W., and another, Newtown, N.S.W. (See H. Dixon, No. 8226.)	8411	10 April.
Schroeder's Ball-bearing Company (Limited), Sydney, N.S.W. Ball-bearings. (F. W. Schroeder)	8411	10 April.
Scott, A., Bluff, N.Z. Hinge	8411	10 April.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS FOR THE YEAR 1896—continued.

Name, Residence, and Invention.	No.	Date.
Scott, A. de C., London, Eng. Treating ores	8510	21 May.
Scott, G., Sydney, N.S.W. Boiler. (E. Petersen)	8256	6 Feb.
Scott, W., and another, Christchurch, N.Z. Cycle-propelling mechanism	8735	12 Aug.
Scott, W., and others, Christchurch, N.Z. Driving-mechanism of bicycles	9130	15 Dec.
Scott, W. H., and another, Dunedin, N.Z. Hat-hanger	8469	5 May.
Scully, A. A., and another, Dunedin, N.Z. Automatically registering instructions given to driver of locomotive	8217	23 Jan.
Sears, F. W., and another, Wellington, N.Z. Book-protector and -marker	8699	31 July.
Sefton, E., Christchurch, N.Z. Window-retaining device	8730	10 Aug.
Sefton, E., Christchurch, N.Z. Solving vulcanised indiarubber	8863	16 Sept.
Seigle, A., Paris, Fr. Treating liquids	8416	24 April.
Seigle, A., Paris, Fr. Treating hydrocarbons	8417	24 April.
Selfe, N., Sydney, N.S.W. Compressors for air and gases	9044	17 Nov.
Selwood, H. T., and another, Parrawa, Otago, N.Z. Rabbit-trap	8558	6 June.
Seymour, J. G., and another, Melbourne, Vic. Oven	8352	20 March.
Shailer, G. W., Wellington, N.Z. Receptacle for beer, &c.	8501	16 May.
Shailer, G. W., and another, Wellington, N.Z. Cultivator	8685	27 July.
Shailer, G. W., and another, Wellington, N.Z. Marking sheep, &c.	8686	27 July.
Shailer, G. W., and another, Wellington, N.Z. Bottle-stopper	8687	27 July.
Shanly, W. L., Hastings, N.Z. Spraying fruit-trees, &c.	8397	9 April.
Sharpington, W. H., London, Eng. Tool	8243	3 Feb.
Sharpneck, E. F., and another, Chicago, U.S.A. (See The Economical Refrigerating Company, No. 8522.)		
Sherman, W. C., Orlando, Florida, U.S.A. Bottle	8428	28 April.
Sherrin, Vaughan. (See under V.)		
Shewan, J., and another, Timaru, N.Z. Tie-fastener	8273	13 Feb.
Shields, F. G., Wanganui, N.Z. Bicycle saddle	8857	14 Sept.
Shipman, S. A., Penshurst, Sydney, N.S.W. Butter-churn and egg-beater. (T. Shipman)	8511	21 May.
Shipman, T., Penshurst, Sydney, N.S.W. (See S. A. Shipman, No. 8511.)		
Shurman, F. W., and another, Kaniva, Vic. Railway rolling-stock	8708	6 Aug.
Silcock, G. J., Wanganui, N.Z. Horse-cover	8624	4 July.
Silver, W., Tamworth, N.S.W. Car-couplings	8188	10 Jan.
Silver, W., Tamworth, N.S.W. Railway-axle lubricators	8325	4 March.
Simpson, T. M., and another, Stawall, Vic. Extracting precious metals from slimes	8997	4 Nov.
Simson, T., Dunedin, N.Z. Device for holding neck and legs of carcasses of sheep for freezing purposes	8893	26 Sept.
Skinner, G. R., Caversham Rise, Otago, N.Z. Tea-flask	8233	28 Jan.
Smallfield, P. S., and another, Auckland, N.Z. Trigger for pistols, &c.	8701	29 July.
Smart, A. W., and another, South Camberwell, Melbourne, Vic. Valve for facilitating inflation of pneumatic tires	9025	11 Nov.
Smart, G., Wellington, N.Z. Cooling or heating milk	8977	27 Oct.
Smart, J. M., Melbourne, Vic. Preserving fresh fruits, &c. (A. T. Perkins)	8173	3 Jan.
Smethurst, E., Christchurch, N.Z. Means for turning a vessel	8259	6 Feb.
Smethurst, E., Christchurch, N.Z. Stopping and turning vessels	8335	6 March.
Smethurst, E., Christchurch, N.Z. Apparatus for manœuvring ships	8760	17 Aug.
Smith, A., Christchurch, N.Z. Marking meat	8680	22 July.
Smith, E. M., New Plymouth, N.Z. Fuel for smelting	8709	6 Aug.
Smith, E. M., New Plymouth, N.Z. Smelting ironsand	8710	6 Aug.
Smith, E. M., New Plymouth, N.Z. Process for utilising ironsand	8711	6 Aug.
Smith, S. G., and another, Dunedin, N.Z. Sanitary paper-holder	8838	12 Sept.
Smith, S. G., and another, Dunedin, N.Z. Sanitary paper-holder	9038	16 Nov.
Smythe, J., Wellington, N.Z. Marking the carcasses of animals	8663	21 July.
Snow, F. H., Adelaide, S.A. Manufacture of metal tubes by electrolysis. (E. Dumoulin)	8254	6 Feb.
Snow, F. H., Adelaide, S.A. Generating gaseous fuel. (B. H. Thwaite)	8570	12 June.
Soffe, S., Wellington, N.Z. Candlestick	8899	29 Sept.
Spalding, G., and another, Stockton, California, U.S.A. Plough	8831	8 Sept.
Sparling, E., and another, Sydney, N.S.W. Liquid composition for increasing illuminating power of gas. (A. A. Stephenson)	8229	30 Jan.
Spear, E., and another, Washington, U.S.A. Making leather articles. (A. L. Sweet)	9101	7 Dec.
Speedy, J. H., Sandon, Manawaru, N.Z. Dray-loading crane	8777	11 Aug.
Speight, J., Kirwee, Canterbury, N.Z. Lever pedal for cycles	8285	20 Feb.
Speight, J., Kirwee, Canterbury, N.Z. Driving-gear of cycles	8312	2 March.
Speight, J., Kirwee, Canterbury, N.Z. Driving-gear of cycles	8345	13 March.
Speight, J., Kirwee, Canterbury, N.Z. Driving-gear of bicycles	8666	22 July.
Speight, J., Kirwee, Canterbury, N.Z. Chainless gear for bicycles	8739	17 Aug.
Spooner, L. H., Dunedin, N.Z. Box for holding cards, &c.	8837	12 Sept.
Sprey, E., Dunedin, N.Z. Animal and bird-trap	8195	9 Jan.
Springer, G., and another, Dunedin, N.Z. Coffin	8451	28 April.
Standfield, E. R., Christchurch, N.Z. Knife-cleaner	8872	18 Sept.
Standfield, E. R., and another, Christchurch, N.Z. Apparatus for securing hat to head	8228	30 Jan.
Standfield, E. R., and another, Christchurch, N.Z. Soap	8262	6 Feb.
Standfield, E. R., and another, Christchurch, N.Z. Supporting attachment for bicycles	8983	27 Oct.
Standfield, E. R., and another, Christchurch, N.Z. Device for employment upon the handle-bar of cycles	8984	27 Oct.
Startup, G. J., Wellington, N.Z. Butter-box	8216	25 Jan.
St. Clair, R. W., Auckland, N.Z. Letter-file	8409	17 April.
Stecken, G., Ostend, Belgium. Soap	8384	7 April.
Steed, W. H. N., Adelaide, S.A. Scoring board for cycling sports, &c.	8956	23 Oct.
Steinbach, R., Magdeburg, Buckau, Ger. Apparatus for sorting grain	9134	17 Dec.
Stent, F., Dunedin, N.Z. Apparatus for frosting glass, &c.	8999	4 Nov.
Stephenson, A. A., Darlington, N.S.W. (See E. Sparling, H. J. Ingle, No. 8229.)		
Stephenson, J. F., Hawthorn, Vic. Removing solid matter from liquids	8667	22 July.
Stern, E., Paris, Fr. Charging vessels with gases	8567	11 June.
Stern, E., Paris, Fr. Filling and closing metal capsules	8646	14 July.
Stevens, F. P., and another, Melbourne, Vic. Combined postal wrapper and letter-sheet	8788	24 Aug.
Stevenson, G., Riversdale, Otago, N.Z. Elevator for distributing straw on to stacks	8790	20 Aug.
Stoddart, W., Waitara, Taranaki, N.Z. Preserving meat	9123	16 Dec.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS FOR THE YEAR 1896—*continued.*

Name, Residence, and Invention.	No.	Date.
Stone, J. J., and another, Sydney, N.S.W. (See J. W. B. Abel, No. 8942.)		
Storrie, A., Mataura, Canterbury, N.Z. Regulating the width of turnip-drills	9096	2 Dec.
Storrier, J., and another, Timaru, N.Z. Wheel and axle	8556	4 June.
Strangeward, F. E., Stawell, Vic. Cleaning the ball-bearings of cycles, &c.	8620	2 July.
Strouse, D. B., Salem, U.S.A. (See The American Tobacco Company of N.Z., Ltd., No. 8492.)		
Strouse, D. B., Salem, U.S.A. (See The American Tobacco Company of N.Z., Ltd., No. 8494.)		
Suckert, J. J., and another, New Jersey, U.S.A. Producing and liquefying acetylene gas ..	8174	6 Jan.
Sulman, H. L., Day Dawn, The Murchison, W.A. Recovering precious metals from their solutions	8770	21 Aug.
Sussmann Electric Miners' Lamp Company (Limited), The, London, Eng. Active material for secondary battery-plates. (S. A. Rosenthal)	9042	17 Nov.
Sweet, A. L., Norwich, Connecticut, U.S.A. (See E. Spear, F. L. Middleton, No. 9101.)		
Taber, F. A., San Francisco, U.S.A. Embossed photographs	8559	6 June.
Tagell, J., South Yarra, Vic. (See R. J. L. Hildyard, No. 8500.)		
Tait, A. L. J., Dunedin, N.Z. Cleaning cooking-utensils	8448	23 April.
Tait, A. L. J., Dunedin, N.Z. Clothes-peg	8604	22 June.
Tait, A. L. J., Dunedin, N.Z. Cycle	8682	9 July.
Tait, A. L. J., Dunedin, N.Z. Animal-trap	8766	17 July.
Tait, A. L. J., Dunedin, N.Z. Animal-trap	8925	30 June.
Tait, R., and another, Wellington, N.Z. Liquid motive-power applicable to bicycles, &c. ..	8798	29 Aug.
Tarves, W. A., and others, Sydney, N.S.W. Extracting gold	9027	11 Nov.
Tasker, J., Wellington, N.Z. Boot or shoe	8442	27 April.
Tatham, E., Kent, Eng. Means for obtaining light and heat	8726	12 Aug.
Taylor, A., and another, Papanui, Christchurch, N.Z. Billiard cue and tip	8490	11 May.
Taylor, H. A., London, Eng. Telegraph transmitters	8328	4 March.
Taylor, H. E., and another, Havelock North, N.Z. Churning cream and milk	8337	10 March.
Taylor, R., Adelaide, S.A. Concentrator and amalgamator	9067	26 Nov.
Taylor, W., Brisbane, Queensland. Bicycle driving-gear	8914	5 Oct.
Teed, F. L., and another, Middlesex, Eng. Regulation devices for gas-burners	9146	23 Dec.
Teed, H. W., and another, Camberwell Grove, Surrey, Eng. Regulation devices for gas-burners	9146	23 Dec.
Templer, F., Adelaide, S.A. Disinfecting closets, drains, &c.	8957	23 Oct.
Tennant, J. H., Dunedin, N.Z. Waterproof garments	8219	22 Jan.
Thatcher, T., and another, Wellington, N.Z. Composition applicable to permanent-way of rail-ways	8201	13 Jan.
Thomas, A. W., and another, West Kogarah, Sydney, N.S.W. Lock for mail-bag straps. (A. W. Thomas and J. H. Dunkin)	8672	22 July.
Thomas, E., Dunedin, N.Z. Bicycle-brake	8504	14 May.
Thomas, E. G. T., Dunedin, N.Z. Churn	8878	19 Sept.
Thompson, A., Dunedin, N.Z. Horse-cover	9118	14 Dec.
Thompson, C., Grantham, Eng. Apparatus for conveying grain, &c.	8381	1 April.
Thompson, F., Sydney, N.S.W. Tram-guide and directory	8583	16 June.
Thompson, J., and another, Peterborough, Northampton, Eng. Bicycle. (J. Dodd and J. Harrison)	8926	10 Oct.
Thompson, T. J., and another, Wellington, N.Z. Clothes-peg	8789	24 Aug.
Thomson, A., Dunedin, N.Z. Sowing manure and seeds	8184	4 Jan.
Thomson, H. J., Gisborne, N.Z. Postage-, price-, and weight-indicator	8821	4 Sept.
Thomson, H. J., Gisborne, N.Z. Price- or weight-indicator	9004	5 Nov.
Thomson, J., Wellington, N.Z. Bicycle-seat	8988	31 Oct.
Thomson, J., and another, Christchurch, N.Z. Paint	8505	15 May.
Thomson, W., and another, Christchurch, N.Z. Weight- and cost-indicating apparatus ..	8361	25 March.
Thorpe, R., Christchurch, N.Z. (See A. H. Anderson, No. 8854.)		
Thwaite, B. H., London, Eng. (See F. H. Snow, No. 8570.)		
Timmins, T., and another, Malvern, Melbourne, Vic. Scraping the interior of water-pipes ..	8720	7 Aug.
Timmins, T., and another, Malvern, Melbourne, Vic. Thimble and hatch-box for water-pipes ..	8807	1 Sept.
Timmis, I. A., Westminster, Middlesex, Eng. Food	8954	23 Oct.
Tindall, C., and another, Christchurch, N.Z. Hydraulic ram	8498	13 May.
Tisdall, W. H., Wellington, N.Z. Gun-sling	8569	12 June.
Todd, W., and another, Seddonville, Westport, N.Z. Haulage-clip	8450	2 May.
Tomline, R., and another, Christchurch, N.Z. Pump	9020	7 Nov.
Topp, J. B., Wellington, N.Z. Stove	8238	3 Feb.
Torres, J. B., London, Eng. Extracting precious metals	8210	23 Jan.
Townsend, W. R., Wellington, N.Z. Preventing explosions in mines	8874	21 Sept.
Tracy, P., London, Eng. (See The Cutlan Patent Sew-Round Machine Syndicate, Limited, No. 9017.)		
Tregurtha, T., and another, Ballarat, Vic. Treating auriferous metal	8486	12 May.
Tregurtha, T., and another, Ballarat, Vic. Concentrating-machine	8589	19 June.
Trendall, E. A., Auckland, N.Z. Cycle-gear	8757	21 July.
Trengrove Improved Cycle-frame Company (Limited), The, Christchurch, N.Z. Annealing steel. (W. H. Trengrove)	8197	10 Jan.
Trengrove, W. H., Christchurch, N.Z. (See The Trengrove Improved Cycle-frame Company, Limited, No. 8197.)		
Trengrove, W. H., Christchurch, N.Z. Propulsion of cycles	8659	18 July.
Trengrove, W. H., Christchurch, N.Z. Cycle-frame	8949	19 Oct.
Trevithick, F. R., and another, Auckland, N.Z. Driving-gear for cycles	8408	17 April.
Trevithick, F. R., and another, Auckland, N.Z. Billiard-table	8473	4 May.
Trevithick, F. R., and another, Auckland, N.Z. Driving-gear for motors	8602	22 June.
Trevithick, F. R., and another, Auckland, N.Z. Driving-gear for cycles	8603	22 June.
Trew, G. F., and another, Gore, Otago, N.Z. Rabbit-trap	8558	6 June.
Tripe, J. D., and another, Wanganui, N.Z. Velocipede-brake	8800	24 Feb. '97.
Troup, A. B., Invercargill, N.Z. Crank for bicycles	8737	10 Aug.
Tuck, J., Leichhardt, Sydney, N.S.W. Bicycle-brake	8706	6 Aug.
Tuck, W. A., Nelson, N.Z. Wire-strainer	8740	17 Aug.
Turner, E. F., Adelaide, S.A. Treating argentiferous sulphide ores	8598	24 June.
Turner, E. F., Adelaide, S.A. Elevator for corrosive liquids	8647	14 July.
Turner, E. F., Adelaide, S.A. Treating zinciferous ores	8649	14 July.
Turney, F. N., Nottingham, Eng. Cleaning wool	8645	14 July.
Tyers, W. M., and another, Wellington, N.Z. Cricket-wickets	9052	20 Nov.
Tyree, W., Nelson, N.Z. Raising sewage. (S. H. Adams)	8978	27 Oct.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS FOR THE YEAR 1896—continued.

Name, Residence, and Invention.	No.	Date.
Tyson, J., Rongahere, Otago, N.Z. Gold-saving machine	8936	21 Sept.
United Alkali Company (Limited), The, Liverpool, Eng. Manufacture of cyanides. (J. Raschen)	8224	29 Jan.
Unwin, H. J., Featherston, N.Z. Winding up fencing-wire	8594	23 June.
Vaile, P. A., Auckland, N.Z. Strap for cyclists	8369	25 March.
Vaughan, A., Ashfield, N.S.W. Incandescent gas-light fittings ..	9079	27 Nov.
Vaughan-Sherrin, J., Ramsgate, Kent, Eng. Dynamos and the driving of same ..	8927	10 Oct.
Vause, A. J., Sydney, N.S.W. Preserving milk by sterilisation ..	8433	28 April.
Vautier, P., and another, Wellington, N.Z. Game	9063	23 Nov.
Veazie, H. A., New Orleans, U.S.A. Tire	8661	21 July.
Villar, C. L., Buenos Ayres, Argentine Republic. Preserving meat ..	8176	4 Jan.
Voigt, M., and another, Berlin, Ger. Production of zinc from its ores ..	8338	11 March.
Von Hartitzsch, O., and another, Wellington, N.Z. Clothes-peg ..	8789	24 Aug.
Vorbach, J., and another, Renwicktown, N.Z. Horse-race starter ..	8269	10 Feb.
Waddell, W. A., Wellington, N.Z. Joint for rusticated weatherboarding ..	8630	8 July.
Wadey, C., and another, Melbourne, Vic. Lock for mail-bag straps. (A. W. Thomas and J. H. Dunkin)	8672	22 July.
Walker, J. A., Auckland, N.Z. Actuating slide-valves	8260	3 Feb.
Walker, J. A., Sydney, N.S.W. Wheel	9091	3 Dec.
Walker, J. H., Christchurch, N.Z. Hot-water apparatus	8499	13 May.
Walker, J. T., Wanganui, N.Z. Wire-strainer	8976	21 Oct.
Walker, W., Waipu Cave, Marsden, N.Z. Pulveriser	9003	28 Oct.
Walker, W., and another, Sydney, N.S.W. Gold-saving machine ..	9001	4 Nov.
Wallace, J. A., and another, Melbourne, Vic. Tire	8643	14 July.
Walter, O., Christchurch, N.Z. Knife-cleaner	8236	1 Feb.
Walters, W. B., Wellington, N.Z. Amalgamating-machine	8322	4 March.
Walters, W. B., Wellington, N.Z. Gold-saving apparatus	8437	28 April.
Walters, W. B., and another, Wellington, N.Z. Amalgamator and concentrator ..	8951	22 Oct.
Warner, F., Wednesbury, Stafford, Eng. Horse-collar	8748	17 Aug.
Warnock, J., Nelson, N.Z. Machine for transcribing shorthand ..	8183	10 Jan.
Warnock, J., Nelson, N.Z. Appliance to assist in drawing lines in mapping, &c. ..	8258	7 Feb.
Warson, M. L., and another, Buffalo, U.S.A. Tire	8405	20 April.
Waters, E., Melbourne, Vic. Lamp. (The Lee Lamp [Parent] Company, Limited, J. B. Fenby and J. C. C. Read)	8548	3 June.
Watts, E. J., and others, Wellington, N.Z. Extracting precious metals from their ores ..	9162	31 Dec.
Way, H. F. W., and another, Auckland, N.Z. Trigger for pistols, &c. ..	8701	29 July.
Wayss, G. A., Vienna, Austria. (See J. Carter, No. 9147.)		
Webb, J. F., St. Louis, U.S.A. Obtaining gold	8990	28 Oct.
Webb, W., Marohema, Upper Waitotara, N.Z. Wire-strainer ..	8884	23 Sept.
Werner, L. C., Broad Brook, Connecticut, U.S.A. Non-fillable bottle ..	8614	2 July.
Werry, F. S. H., and another, Timaru, N.Z. Iron and handle attachment ..	8198	10 Jan.
Werry, F. S. H., and another, Timaru, N.Z. Tie-fastener	8273	13 Feb.
Weston, R., and another, Christchurch, N.Z. Attachment to gaiters ..	8374	28 March.
Westwood, A., Horseley Heath, Stafford, Eng. Supporting the ends of girders ..	8743	17 Aug.
Wheelband, W., Temuka, Canterbury, N.Z. Cleansing trees from parasites ..	8935	13 Oct.
Whimp, C. A., and another, Thames, N.Z. Split link for chains ..	8202	13 Jan.
Whimp, T. H., and another, Thames, N.Z. Split link for chains ..	8202	13 Jan.
Whitaker, E. H., and another, Thames, N.Z. Obtaining gold and silver from ores ..	8281	14 Feb.
White, C. S., Christchurch, N.Z. Horse-boot or -pad	8774	20 Aug.
White, C. S., Christchurch, N.Z. Horse-collar pad	8823	3 Sept.
White, C. S., and another, Christchurch, N.Z. Obtaining and dressing fibre from New Zealand <i>Phormium tenax</i> ..	8964	22 Oct.
White, C. S., and another, Christchurch, N.Z. Dressing flax	9114	9 Dec.
White, D., and another, Stawell, Vic. Extracting precious metals from slimes ..	8997	4 Nov.
White, F., Christchurch, N.Z. Saving gold	9056	17 Nov.
White, F., and another, Christchurch, N.Z. Paint	8505	15 May.
White, W. K., and another, Napier, N.Z. Refrigerating-machine ..	8207	17 Jan.
Whiteman, C., Rugby, Warwick, Eng. Gate-fastener	8745	17 Aug.
Whitney, A. N., Melbourne, Vic. Metallic cartridges	8546	2 June.
Wiggins, W., Wellington, N.Z. Rubber pneumatic boat. (H. D. Layman)	8636	8 July.
Wigzell, E. E., London, Eng. Steam-engine	8733	13 Aug.
Wiig, M. E., Napier, N.Z. Oilskin coat	8756	18 Aug.
Williams, P. J., and others, Adelaide, S.A. Tire	8461	4 May.
Williams, R. B., St. Kilda, Melbourne, Vic. Machine for washing wool, &c. ..	8728	12 Aug.
Williams, W. S., Doncaster, Vic. Mixing kerosene and water and spraying same ..	8623	3 July.
Williamson, J. B., and another, Auckland, N.Z. Starting-machine for races ..	8901	25 Sept.
Willis, A. D., Wanganui, N.Z. Postal wrapper	8919	7 Oct.
Willis, A. D., and another, Wanganui, N.Z. Book-protector and -marker ..	8699	31 July.
Wilson, C. R., Christchurch, N.Z. Bicycle	8350	16 March.
Wilson, J., and another, Melbourne, Vic. Valve for facilitating inflation of pneumatic tires ..	9025	11 Nov.
Wilson, T., and another, Kihikihi, Auckland, N.Z. Spring for the poles of vehicles ..	8607	23 June.
Withey, H., Hastings, Michigan, U.S.A. (See A. H. Brownley, No. 8509.)		
Wolf, De. (See under D.)		
Wood and Claydon Automatic Stoker, Coal-crusher, Self-feeder, and Smoke-consumer Company (Limited), The, Christchurch, N.Z. Automatic stoking, smoke-consuming, and fuel-economizing apparatus. (G. Claydon)	8826	4 Sept.
Wood, H., and another, Christchurch, N.Z. Stoking, smoke-consuming, and fuel-economizing apparatus attached to steam-boilers ..	8605	24 June.
Wood, H. J., Christchurch, N.Z. Measuring-instruments	8368	25 March.
Wood, H. J., Christchurch, N.Z. Pneumatic pad for hats, &c. ..	8425	22 April.
Wood, H. J., Christchurch, N.Z. Nut-lock	8440	27 April.
Wood, H. J., and another, Christchurch, N.Z. Weight- and cost-indicating apparatus ..	8361	25 March.
Woodcock, W. H., West Norwood, Surrey, Eng. Roller-bearings ..	9132	17 Dec.
Woodhouse, J. S., Papanui, Canterbury, N.Z. Cycle-wheels	8453	30 April.
Woodhouse, J. S., Papanui, Canterbury, N.Z. Rail-joint	8572	11 June.
Woodhouse, J. S., Papanui, Canterbury, N.Z. Cost-finder	8606	25 June.
Woodhouse, J. S., Papanui, Canterbury, N.Z. Bolt and nut	8991	28 Oct.
Woodhouse, J. S., Papanui, Canterbury, N.Z. Lock-nut	9032	10 Nov.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS FOR THE YEAR 1896—*continued.*

Name, Residence, and Invention.	No.	Date.
Woodhouse, J. S., and another, Papanui, Canterbury, N.Z. Cost-indicating device	8443	27 April.
Woolf, A. E., and another, New York, U.S.A. (See A. W. Meeks, No. 8255.)		
Woolford, J., London, Eng. Extracting precious metals from ores	8865	17 Sept.
Woolley, G., Goulburn, N.S.W. Bicycle-support	8388	8 April.
Wratten, G., Wellington, N.Z. Wire-fencing splicer	8323	4 March.
Wratten, G., and another, Wellington, N.Z. Wire fencing	8315	2 March.
Wratten, G., and another, Wellington, N.Z. Wire fencing	8315	2 March.
Wright, F., London, Eng. Coin-freed fluid-meter apparatus	8186	10 Jan.
Wright, J. P., New Haven, U.S.A. Machine for making matches	8755	18 Aug.
Wright, J. P., and another, New Haven, U.S.A. Machine for making matches	8828	7 Sept.
Wright, R., Whakatane, N.Z. Producing power by hydraulic process	8514	22 May.
Wright, S. H., and another, Monmouth, Eng. Churning cream and milk	8337	10 March.
Wurster, C., London, Eng. Combustion of carbo-hydrates	8241	3 Feb.
Wyatt, F., and another, New York, U.S.A. Forming calcium carbide	8744	17 Aug.
Wyett, R. W., Yarram Yarram, Vic. Tire	9093	3 Dec.
Wylde, A. H., Palmerston North, N.Z. Sash-lock	8527	27 May.
Wynne, W. P., and another, Ballarat, Vic. Treating auriferous material	8486	12 May.
Wynne, W. P., and another, Ballarat, Vic. Concentrating-machine	8589	19 June.
Yates, J. E., Auckland, N.Z. Cowl	8665	22 July.
Young, A. V., Köln, Ger. Pulverising-mill	8290	21 Feb.
Young, J., and another, Wellington, N.Z. Separating and supporting telegraph- and telephone-wires	8246	3 Feb.
Young, P. C. K., Timaru, N.Z. Rabbit-gate	8284	17 Feb.
Young, P. C. K., Dunedin, N.Z. Testing flour and meal	8833	5 Sept.
Young, R., Sydney, N.S.W. Amalgamator	8581	16 June.
Youngman, E., Rangiora, N.Z. Go-carriage	8275	14 Feb.
Zander, H., and another, Ashburton, N.Z. Cutting holes in wood, metal, &c.	8731	11 Aug.
Zander, H., and another, Ashburton, N.Z. Cutting holes in wood, metal, &c.	8873	19 Sept.

K.—ALPHABETICAL LIST OF TITLES OF INVENTIONS, FOR WHICH LETTERS PATENT HAVE BEEN APPLIED, DURING THE YEAR 1896.

Invention and Name of Inventor.	No.	Date.
Accompaniments on piano or organ, Device to assist in playing. A. H. Hathaway	8414	22 April.
Acetylene-gas generator. W. Morton	8773	18 Aug.
Acetylene-gas generator. W. Morton	8799	31 Aug.
Acetylene gas, Process and apparatus for producing and liquefying. E. N. Dickerson and J. J. Suckert	8174	6 Jan.
Acetylene gas, Process and apparatus for producing and utilising. G. Ragot	8482	12 May.
Acid, Hydro-cyanic. A. K. Huntington	8719	7 Aug.
Address-holder for mail-bag straps. C. Wadey and A. W. Thomas	8672	22 July.
Advertising apparatus. D. Isaacs	8427	28 April.
Advertising apparatus. P. F. McCarthy	8879	23 Sept.
Advertising directory-table. J. D. Fisher	8550	3 June.
Advertising medium. D. R. S. Galbraith	8237	6 March.
Aërotors. (See Milk-aërotors.)		
Air, Apparatus for cooling and producing dry warm. T. B. Lightfoot	8339	11 March.
Air-compressor. N. Selfe	9044	17 Nov.
Air-engine. C. R. Macdonald	8803	27 Aug.
Air-engine. C. R. Macdonald	8827	2 Sept.
Air, Mode of and apparatus for cooling, purifying, and drying, for chilling and freezing purposes. C. A. MacDonald	8714	6 Aug.
Air or water, Machine for forcing. E. Kiernan	8222	28 Jan.
Air-pump. (See Pumps.)		
Alarm. (See Bicycle alarm, Burglar alarm.)		
Alimentary product. J. H. Kellogg	8430	28 April.
Amalgamating, concentrating, and classifying gold ores simultaneously, Process and apparatus for. J. Garnier	8503	14 May.
Amalgamating gold, &c., Process and apparatus for. J. V. Bartlett	8213	23 Jan.
Amalgamating, Pump for. (See Pumps.)		
Amalgamator. C. W. Horneman	8310	2 March.
Amalgamator. W. B. Walters	8322	4 March.
Amalgamator. J. R. Brown and G. A. Kirk	8458	4 May.
Amalgamator. J. Piercy	9144	17 Dec.
Amalgamator and concentrator. W. B. Walters and F. H. Jeffcoat	8951	22 Oct.
Amalgamator and concentrator. R. Taylor	9067	26 Nov.
Amalgamator, Dry. R. Young	8581	16 June.
Amalgamator. (See also Concentrator, Gold, Mercury, Metals.)		
Ambulance stretcher-carrier, Railway. (See Railway.)		
Anatomical hygienic figure-support. A. G. Parry	8655	15 July.
Animal- and bird-trap. E. Sprey	8195	9 Jan.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention and Name of Inventor.	No.	Date.
Animal-trap. J. H. Jenkins and E. B. Gichard	8375	31 March.
Animal-trap. A. L. J. Tait	8925	30 June.
Animal-trap, Springless. A. L. J. Tait	8766	17 July.
Animal-trap. (See also Rabbit-trap.)		
Annealing steel and iron castings, Method of. The Trengrove Improved Cycle-frame Company (Limited)	8197	10 Jan.
Antimony ores, Plant and process for smelting auriferous. C. C. Longridge and G. T. Holloway	8870	18 Sept.
Antimony, Process for extracting metals from ores by means of, and for recovering the antimony employed. J. Woolford	8865	17 Sept.
Antiseptic. C. M. Pielsticker	8520	23 May.
Antiseptic preservative of fruit, vegetables, eggs, &c. E. N. and A. M. Legge	9034	11 Nov.
Aphis, Eradicating woolly. W. Armstrong	8348	12 March.
Apron, Feeder, for reapers and binders, &c. (See Reapers.)		
Arc-lamp, Electric. (See Lamps.)		
Artesian wells, Appliances for sinking. J. Osborne	8612	30 June.
Artificial limb. J. A. Packer	8321	28 Feb.
Artificial-stone. W. Owen	8903	30 Sept.
Ashes-distributor. J. Macalister	9007	15 Oct.
Auriferous deposits, &c. (See Gold.)		
Auto-vehicles. (See Motors, Vehicles.)		
Axe. F. W. Noffke	8410	16 April.
Axle and -wheel, Plough. M. Higgins and J. Storer	8556	4 June.
Axle, axle-tree, and axle-box of vehicles. R. J. L. Hildyard	8500	13 May.
Axle lubricator, Railway. W. Silver	8325	4 March.
Axle oil-box. W. Dalton	8488	12 May.
Axle-tree, -box. (See also Vehicles.)		
Bacon. (See Curing.)		
Bag, Bicycle-tool. E. Arundel	8497	12 May.
Bagger. (See Potato-digger and -bagger.)		
Bagging and facilitating weighing or measuring of fruit, groceries, &c., Apparatus for. R. Jack	9109	10 Dec.
Bags, Machine for printing and measuring the material employed in making. C. E. Fisher	8792	24 Aug.
Baling-press. S. Dodge	8781	20 Aug.
Ball-bearings. Schroeder's Ball-bearing Company (Limited)	9090	3 Dec.
Ball-bearings of bicycles, Method of and contrivances for cleaning. F. E. Strangward	8620	2 July.
Ball. (See Billiard-ball.)		
Balloon, Propelling, by manual power. C. J. Hill	8371	27 March.
Balloting. (See Vote-recording.)		
Bar, Cycle steering-. (See Cycle.)		
Bark, Extracting essentials of tree-. J. Freyberg	9126	16 Dec.
Bas-relief photograph. (See Photographs.)		
Basting-colander. E. C. Johnston	8385	7 April.
Bat-blade protector. W. A. Jewell and W. C. Gee	8963	21 Oct.
Bath, Apparatus for portable shower. W. H. Haunam	8291	21 Feb.
Bath, Electric medical. J. R. and A. Hare	8449	29 April.
Bath, Radiant-heat. J. H. Kellogg	8429	28 April.
Battery, Galvanic. A. C. Miles and B. F. de Morgenstern	9018	7 Nov.
Battery-plates, Active material for secondary. The Sussmann Electric Miners' Lamp Company (Limited)	9042	17 Nov.
Battery, Secondary or storage. A. Preiss	8727	12 Aug.
Battery. (See also Stamp-battery.)		
Beams and girders, Mode and means for supporting ends of. A. Westwood	8743	17 Aug.
Bearings. (See also Ball-bearings, Cycle-bearings, Plough-wheel bearings, Roller-bearings.)		
Beaters for wool-washing. H. Ashworth	8463	4 May.
Bed, Spring. G. Hamlin	8993	27 Oct.
Beer-cask. G. W. Shailer	8501	16 May.
Belt, Adjustable coupling for driving-. J. F. Lloyd	9078	27 Nov.
Belt, Attachment of endless. A. Evans	9064	17 Nov.
Belting. D. J. Crosby	8618	2 July.
Belt-rest or idler pulley. C. A. Arnold	8832	15 Aug.
Belt-stitching machine, Rivet-bending attachment for. C. D. Lightband	8537	27 May.
Bench-stop. P. Pickering	9039	16 Nov.
Bicycle. C. R. Wilson	8350	16 Mar.
Bicycle. R. M. Macdonald	8702	31 July.
Bicycle. J. Thompson and C. Everard	8926	10 Oct.
Bicycle. R. Grilli	8981	23 Oct.
Bicycle. R. M. Keating	9151	24 Dec.
Bicycle. G. Aitkens	9163	31 Dec.
Bicycle-alarm. H. Black	9124	14 Dec.
Bicycle, Alternative gear for. J. G. Lamb	8398	14 April.
Bicycle, Appliance for cleaning driving-chain of. P. Genn	9175	23 Dec.
Bicycle, Attachment to assist in propulsion of. J. Foster	9046	17 Nov.
Bicycle, Concussion propelling-gear for. C. E. Page and W. J. Barlow	8813	1 Sept.
Bicycle-brake. J. Tuck	8706	6 Aug.
Bicycle-brake. E. Thomas	8504	14 May.
Bicycle-brake for certain form of driving mechanism. W. W. Curties	8593	19 June.
Bicycle-cabinet. C. N. Morris	9150	24 Dec.
Bicycle carriage, Driving-wheel. J. Adcock	8933	10 Oct.
Bicycle, Chainless gear for. J. Speight	8739	17 Aug.
Bicycle-clip. W. Hinson	8304	28 Feb.
Bicycle, Clutch-crank for. A. A. Troup	8737	10 Aug.
Bicycle-crate. J. J. Daily	8848	16 Sept.
Bicycle driving-gear. R. Murie	8700	28 July.
Bicycle driving-gear. J. Metzger	8272	18 Feb.
Bicycle driving-gear. W. W. Curties	8330	4 March.
Bicycle driving-gear. J. Speight	8666	22 July.
Bicycle driving-gear. W. Taylor	8914	5 Oct.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention and Name of Inventor.	No.	Date.
Bicycle driving-gear. E. Davies and A. Harrison	8930	10 Oct.
Bicycle driving mechanism. F. J. A. Kindermann	8810	2 Sept.
Bicycle driving mechanism. L. N. Dyhrberg, W. W. Curties, and A. Crum	8235	1 Feb.
Bicycle driving mechanism. J. Gaut	9108	10 Dec.
Bicycle driving mechanism. G. T. Booth, W. Scott, and J. E. Friend	9130	15 Dec.
Bicycle, Liquid motive power to be applied to. R. Tait and N. I. Gooder	8798	29 Aug.
Bicycle, Method of and contrivances for cleaning ball-bearings of. F. E. Strangward	8620	2 July.
Bicycle or tricycle. A. L. Bricknell	8317	2 March.
Bicycle or tricycle. W. Atkinson	8435	28 April.
Bicycle or tricycle. W. H. Boyens	8708	4 Aug.
Bicycle, Pneumatic spring for. R. Murie	8791	21 Aug.
Bicycle-prop. A. J. Cuming	9095	2 Dec.
Bicycle propelling-gear. E. A. Ashcroft	8805	1 Sept.
Bicycle-saddle. J. R. Purdy	9041	17 Nov.
Bicycle-saddle. F. G. Shields	8857	14 Sept.
Bicycle-seat. J. Myers	8980	28 Oct.
Bicycle-seat. J. Thomson	8988	31 Oct.
Bicycle-stand. L. J. Holroyd	8897	29 Sept.
Bicycle stone-guard for forcing stones out of way of wheel. J. A. Beale	8922	3 Oct.
Bicycle-support. G. Woolley	8388	8 April.
Bicycle-support. G. Robertson	8399	14 April.
Bicycle-support. J. J. Daily	8849	9 Sept.
Bicycle-support. E. R. Standfield and T. de R. Harman	8983	27 Oct.
Bicycle tool-bag. E. Arundel	8497	12 May.
Bicycle, Water. R. Goulding	8953	21 Oct.
Bicycles, tricycles, &c., Hubs, bottom brackets, &c., of. F. J. Osmond	9112	8 Dec.
Bicycles, tricycles, &c., Driving mechanism of. F. J. Osmond	9113	8 Dec.
Bicycle or tricycle, Mechanism for propelling, by manual power. C. J. Hill	8477	9 May.
Bicycle, Wheel-lock for. H. E. Lawrence	9129	15 Dec.
Bicycle. (See also Cycles, Driving-gear, Pedals, Saddle, Seat, Strap, Tires, Tricycles, Velocipedes.)		
Billiard- and dining-table. D. McKenzie	8840	10 Sept.
Billiard-ball. F. R. Trevithick and E. H. Barber	8473	4 May.
Billiard cue and tip. A. Noble	8490	11 May.
Billiard-cue tip. F. R. Trevithick and E. H. Barber	8473	4 May.
Billiard-table, -balls, and -cue tip. F. R. Trevithick and E. H. Barber	8473	4 May.
Binders. (See Reapers and binders.)		
Bird- and animal-trap. E. Sprey	8195	9 Jan.
Bird-extermiator, Electric. J. Metzger	8835	29 Aug.
Bleaching, medicinal, and disinfectant fluid. A. W. Meeks	8255	6 Feb.
Blind lathe, Venetian-. J. Manttan	9099	5 Dec.
Blind-roller and apparatus for forming same. E. A. Powell	8644	14 July.
Blind, Venetian. J. Manttan	8314	2 March.
Blind, Venetian, Apparatus for operating. S. P. Clements	8776	22 Aug.
Blind, Venetian, Method of and apparatus for operating. W. C. Gee	8621	2 July.
Blind, Window-. T. H. Dolbey	8979	28 Oct.
Blotter, Book-. J. E. Henry	8282	18 Feb.
Bluestone and other sulphurised ore, Treatment of. J. C. Butterfield	8841	14 Sept.
Boats, Appliance for propelling. J. McClatchy	9036	16 Nov.
Boat, Canvas folding-. P. O'Connell	8802	27 Aug.
Boats, Davits for ships'. G. Holford	8653	15 July.
Boat, Pneumatic. W. Wiggins	8636	8 July.
Boat, Propelling, by manual power. C. J. Hill	8371	27 March.
Boilers, Appliance for utilising disused tins for. J. W. Buckley	8223	29 Jan.
Boiler, Water-tube. G. Scott	8256	6 Feb.
Boilers. (See also Steam-boilers, Spark-catcher, Washing-boiler, Water-boiler.)		
Bolt and nut. J. S. Woodhouse	8931	28 Oct.
Bolting, Appliance to prevent horses. H. A. Fisher	8415	21 April.
Bolts. (See Locking, Lock-nuts.)		
Bones and flesh, Treating animal. J. W. B. Abel	8942	19 Oct.
Book-blotter. J. E. Henry	8282	18 Feb.
Book, cash check-, Holder for. R. S. Abel and J. Dykes	8400	11 April.
Book, Day-. J. P. Harris	8320	3 March.
Book-protector and -marker. F. W. Sears and A. D. Willis	8699	31 July.
Bootlace-fastener. T. H. Mann	9139	11 Dec.
Boot or -pad, Horse-. C. S. White	8774	20 Aug.
Boot or shoe. J. Tasker	8442	27 April.
Boot or shoe. A. S. Fox	8591	18 June.
Boot or shoe. W. Owen and J. Harris	8729	12 Aug.
Boot or shoe. A. Gross	8784	24 Aug.
Boot or shoe, Heel for. F. Dryland	8989	31 Oct.
Boot- or shoe-protector. A. Parsons	8679	23 July.
Boot-polish. A. Howe and S. H. Lees	9159	23 Dec.
Boot-protector. V. S. Aston, E. H. Featon, and T. G. Lawless	8365	25 March.
Boot, Seamless. W. J. Pallant	8705	4 Aug.
Boot. (See also Shoe.)		
Bottle. A. L. Heighton	9145	23 Dec.
Bottle and stopper therefor. J. W. McDougall	8975	26 Oct.
Bottle, Apparatus for corking. P. Larsen	8394	8 April.
Bottle, Device for securing corks in. A. Billens	8895	26 Sept.
Bottle, Non-fillable. W. O. Sherman	8428	28 April.
Bottle, Non-fillable. L. C. Werner	8614	2 July.
Bottle, Non-fillable. M. J. Nolan	8631	8 July.
Bottle, Non-refillable. A. J. Cuming	8961	29 Mar., '97
Bottle-stopper. G. W. Shailer and W. L. Luxford	8687	27 July.
Bottle, Stoppering device to prevent refilling of. H. Dixon	8226	29 Jan.
Bottle tell-tale. G. H. Grapes	8626	4 July.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention and Name of Inventor.	No.	Date.
Box, Butter-. G. J. Startup	8216	25 Jan.
Box, Butter-. A. McWilliam	8858	15 Sept.
Box, Export butter-. A. Hart and C. A. Bramwell	8340	11 March.
Box, Wedding-cake. A. Prior	8295	20 Feb.
Box for laundry-blue, &c. J. O. Egestorff	8668	22 July.
Box for playing-cards, soap, cigars, &c. L. H. Spooner	8837	12 Sept.
Box-iron. F. E. Hunter	8327	4 March.
Box-iron, Funnel attachment for charcoal. W. Keymer	9012	3 Nov.
Box, Lining for butter-. E. Pontin	8742	15 Aug.
Box, Soap. J. W. Buckley	8264	10 Feb.
Box. (See also Cabinet, Disinfecting-box, Match-box, Oil-box.)		
Boxing-glove. A. R. McDonald	8907	23 Sept.
Brake for bicycle. E. Thomas	8504	14 May.
Brake for bicycle. W. W. Curties	8593	19 June.
Brake for bicycle. J. Tuck	8706	6 Aug.
Brake for carriages, machinery, and velocipedes. H. M. and J. Copeland	8804	1 Sept.
Brake for pneumatic tire. H. J. Ralph	8622	3 July.
Brake for vehicle. H. Morrison	9073	27 Nov.
Brake for velocipede. J. D. Tripe and J. Copeland	8800	24 Feb., '97.
Brake for wheeled vehicles. M. Belk	8573	12 June.
Brake for wheeled vehicles. H. Hedge	8516	20 May.
Branding cattle, horses, and sheep, Composition for. H. Gibson	9105	27 Nov.
Branding sheep, &c., An appliance for. H. W. Potter and S. Frankel	8434	28 April.
Branding. (See also Marking.)		
Breeching. W. Lambe	8656	17 July.
Breeching. J. Henderson	9085	4 Nov.
Brick for smelting furnace. E. Purser	8689	24 July.
Bridge. (See Drawbridge.)		
Brokerage, Apparatus for determining amount of. J. S. Woodhouse and W. Rollitt	8443	27 April.
Bucket. A. Hamann	8261	4 Feb.
Bucket, Milking-. C. F. Cooper and J. E. Mansfield	8698	31 July.
Bucket, Dredge-. J. C. McGeorge	9030	10 Nov.
Buckle, Mail-bag. L. Lawson	9081	25 Nov.
Buckle, Shoe-. J. Grannes	8905	30 Sept.
Bulletin. (See Mercantile Bulletin.)		
Building. (See Concrete, Structural arrangement.)		
Buoy. (See Life-buoy.)		
Burglar-alarm. M. P. McDermott	8208	3 Dec., '95.
Burglar-alarm. M. P. McDermott	8890	25 Sept.
Burglar-alarm. A. W. Jones	9023	23 Oct.
Burglar alarm, Means of employing telephone systems as. F. Rowell	8445	28 April.
Burner for incandescent gas-lighting. W. R. Clay	8913	5 Oct.
Burner, Chemical device for use with Gas-. L. Hooker	8439	28 April.
Burner, Combustion of carbo-hydrates in incandescent. C. Wurster	8241	3 Feb.
Butter-box. G. J. Startup	8216	25 Jan.
Butter-box. A. McWilliam	8858	15 Sept.
Butter-box, Composition for coating inside of. The Friend's Steam-generator and Imporous Butter-box Company (Limited)	8995	30 Oct.
Butter-box, Export. A. Hart and C. A. Bramwell	8340	11 Mar.
Butter-box lining. E. Pontin	8742	15 Aug.
Butter, butterine, or lard, Apparatus for subdividing. A. Billcliff	8959	7 Oct.
Butter, Machine for moulding and cutting. J. Flynn and W. Muirhead	8484	12 May.
Butter. (See also Churn.)		
Cab. (See Vehicle, Wheel.)		
Cabin-table. F. V. Raymond and A. E. Otway	8342	6 March.
Cabinet, Bicycle-. C. N. Morris	9150	24 Dec.
Cabinet, Paper-. T. S. Royds	8372	24 Mar.
Cabinet, Paper-. T. S. Royds	8468	4 May.
Cable-car. A. McGill	9053	14 Nov.
Cable-cars, Safety-catch for. F. W. Payne	8969	22 Oct.
Cable, Electric. M. Guilleaume	8376	31 March.
Cable. (See also Telegraph-cable.)		
Cage, Hauling-. T. Powick and A. G. Hill	8797	29 Aug.
Cages, Safety-gear for mining and other travelling. J. Hillman	8998	4 Nov.
Calcium-carbide, Apparatus and process for forming. W. R. King and F. Wyatt	8744	17 Aug.
Calculating device, Interest-. H. A. R. Huggins	8181	9 Jan.
Calculating device, Interest-. J. S. Woodhouse and W. Rollitt	8443	27 April.
Calculating device, Rent-. J. S. Woodhouse and W. Rollitt	8443	27 April.
Calculating. (See also Cost-finding, Indicating.)		
Calves. (See Dehorning.)		
Cam for lifting stamps of stamp batteries. J. L. Kirkbride	8576	15 June.
Cam for lifting stamps of stamp batteries. J. L. Kirkbride	8775	22 Aug.
Candle. A. J. Park	9076	28 Nov.
Candle-holder. I. Lewis	8280	18 Feb.
Candle-holder. P. Ellis	8909	1 Oct.
Candle-holder and save-all. A. M. Legge	8541	27 May.
Candlestick. S. Soffe	8899	29 Sept.
Cans, Machine for soldering. J. G. A. Castle	8283	19 Feb.
Cans and cases, Handle and support for. T. W. Hickson	8391	9 April.
Cans. (See also Tins.)		
Canister-cover. A. Durie	9054	14 Nov.
Capsules, Apparatus for filling and closing metal. E. Stern	8646	14 July.
Carbo-hydrates of high boiling-point, Combustion of, in incandescent burners. C. Wurster	8241	3 Feb.
Carcases of sheep and lambs, Appliance for weighing and grading. J. Gilmour	9153	30 Nov.
Carcases of sheep for freezing, Device for straightening neck and forelegs of. T. Simson	8893	26 Sept.
Carcases, Marking. (See Branding, Marking.)		
Car-coupling. W. Silver	8188	10 Jan.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention and Name of Inventor.	No.	Date.
Car. (See also Cable-car.)		
Carriage, Brake for. H. M. and J. Copeland	8804	1 Sept.
Carriage-lamp. (See Lamp.)		
Carriage. (See also Go-carriage, Vehicles, Railway-carriage, Rein.)		
Cartridge, Metallic. A. N. Whitney	8546	2 June.
Case. (See Cans, Gear-case, Pump-case.)		
Cash check-books, Holder for. R. S. Abel and J. Dykes	8400	11 April.
Cask for beer, &c. G. W. Shailer	8501	16 May.
Castings, Metal. A. G. Brown	8814	3 Sept.
Castings, Method of annealing. The Trengrove Improved Cycle Frame Company (Limited)	8197	10 Jan.
Castings of stampers. J. Barton	9119	10 Nov.
Cattle, horses, &c., Appliance for drenching. C. Brake and A. McNae	8970	24 Oct.
Cattle, horses, &c., Composition for branding. H. Gibson	9105	27 Nov.
Cattle, horses, sheep, or pigs, Method and means of marking or labelling. W. Rainbow	8886	22 Sept.
Cement. (See Concrete.)		
Cess-pan and cover. A. W. Jones	9111	10 Sept.
Chain. (See Link.)		
Chain driving-wheel. H. Morrison	9072	27 Nov.
Chair, Folding easy-. P. F. M. Burrows	8266	11 Feb.
Check, Door-. A. H. Brownley	8474	5 May.
Checking apparatus for preventing horses from running away. H. W. T. Doggett and J. McChesney	8938	16 Oct.
Check-rein for carriage-horse. T. H. Hodge	8658	20 July.
Chilling. (See Cooling, Freezing, Meat.)		
Chlorinating-furnace. (See Furnace.)		
Chlorine, Process for extracting metals from pyritic ores by means of. O. Frölich	8782	24 Aug.
Chloro-cyanide salts or compounds. G. J. Atkins	8220	27 Jan.
Chronograph, Electro-magnetic. P. G. Harwood	8554	4 June.
Churn and egg-beater, Combined. S. A. Shipman	8511	21 May.
Churn, Centrifugal. E. G. T. Thomas	8878	19 Sept.
Churning. S. H. Wright and H. E. Taylor	8337	10 March.
Cigar-box. L. H. Spooner	8837	12 Sept.
Cigar, Eucalypti. W. J. Dalton	8277	17 Feb.
Cigarette and cigarette-machine. B. Baron	8393	8 April.
Cigarette, Means for lighting. R. W. Rutherford and J. A. Jackson	8650	14 July.
Cigarette, Means for lighting. R. W. Rutherford and J. A. Jackson	8723	11 Aug.
Cigarette-machine. The American Tobacco Company of New Zealand (Limited)	8309	29 Feb.
Cigarette-machine. The American Tobacco Company of New Zealand (Limited)	8494	13 May.
Cigarette-machine, Filler-forming mechanism for. The American Tobacco Company of New Zealand (Limited)	8493	13 May.
Cigarette-machine. J. S. Detrick	8267	11 Feb.
Cigarette, Machine for making conical. The American Tobacco Company of New Zealand (Limited)	8306	29 Feb.
Cigarette, Machine for making conical. The American Tobacco Company of New Zealand (Limited)	8307	29 Feb.
Cigarette tubes, Machine for making. The American Tobacco Company of New Zealand (Limited)	8308	29 Feb.
Cigarette wrappers, Machine for securing seams of. The American Tobacco Company of New Zealand (Limited)	8492	13 May.
Cigar-machine. F. R. Keyes and C. A. Baker	8319	2 March.
Cigar or cigarette, Lighting. R. W. Rutherford and J. A. Jackson	8650	14 July.
Cigar or cigarette, Lighting. R. W. Rutherford and J. A. Jackson	8723	11 Aug.
Clamp for flooring and lining. H. Childs	8518	22 May.
Clamp. (See also Cramp.)		
Classifying, concentrating, and amalgamating gold-ores simultaneously, Process and apparatus for. J. Garnier	8503	14 May.
Classifying, concentrating, and grading ore, Apparatus for. W. H. Coward	8218	25 Jan.
Cleaner. (See Flax-cleaner, Knife-cleaner, Pot-cleaner.)		
Clip. (See Bicycle-clip, Haulage-clip, Wire-clip.)		
Closets, Method of disinfecting. F. Templer	8957	23 Oct.
Closet, Ventilator for pan. T. M. Lewington	8704	31 July.
Closet-ventilator. T. M. Lewington	8580	12 June.
Closet. (See Deodorising, Disinfecting, Water-closet.)		
Closing vessels and charging them with liquefied or compressed gases, Apparatus for. (E. Stern)	8567	11 June.
Clothes-peg. A. L. J. Tait	8604	22 June.
Clothes-peg. T. J. Thompson and O. von Hartitzsch	8789	24 Aug.
Clothes-protector and tub-drainer. M. A. Johnson	8635	10 July.
Clothes-washing machine. W. Humble and W. Nicholson	8560	6 June.
Clothes-washing machine. J. A. H. Adolph and H. G. Johnson	8610	27 June.
Clothing for cyclists, &c. M. T. McGrath	8265	11 Feb.
Clutch-crank for bicycle. A. A. Troup	8737	10 Aug.
Coal-distributor, Automatic, for use when loading vessels with coal to prevent spontaneous combustion of coal. J. C. Firth	8585	13 June.
Coat. (See Oilskin.)		
Cock. H. Galopin	8370	28 March.
Codlin-moth, woolly aphid, and root-fungus, Eradicating. W. Armstrong	8348	12 March.
Coffin. T. Cole and G. Springer	8451	28 April.
Coiler, Wire-. (See Wire-strainers.)		
Coin-freed fluid-meter apparatus. F. Wright	8186	10 Jan.
Colander, Basting-. E. C. Johnston	8385	7 April.
Collar-pads for protecting sores on horses' shoulders. C. S. White	8823	3 Sept.
Collar-stud. G. H. Grapes	8952	22 Oct.
Collar. (See Horse-collar.)		
Combustion of carbo-hydrates of high boiling-point in incandescence burners and apparatus therefor. C. Wurster	8241	3 Feb.
Combustion of fuel in furnaces, Method of and apparatus for effecting the. W. Edgerton	8590	19 June.
Combustion, Producing. P. J. Schlicht	8390	9 April.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention and Name of Inventor.	No.	Date.
Commission, Apparatus for determining amount of. J. S. Woodhouse and W. Rollitt ..	8443	27 April.
Commode and water flush-pump combined. J. Harrow ..	8793	25 Aug.
Compositor or imprinting machine, Mechanical. R. N. Adams ..	8681	2 July.
Compressor for air or gas. N. Selfe ..	9044	17 Nov.
Concave bars of threshing-mills, Means for protecting from wear. G. Saunders ..	9120	11 Dec.
Concentrating, classifying, and amalgamating gold ores simultaneously, Process and apparatus for. J. Garnier ..	8503	14 May.
Concentrating, classifying, and grading ore, Apparatus for. W. H. Coward ..	8218	25 Jan.
Concentrating-table. W. P. Wynne and T. Tregurtha ..	8486	12 May.
Concentrator. (See also Amalgamator, Classifying, Gold, Grading, Metals, Ores.)		
Concentrator and amalgamator. W. B. Walters and F. H. Jeffcoat ..	8951	22 Oct.
Concentrator and amalgamator. R. Taylor ..	9067	26 Nov.
Concentrator or separator, principally applicable to the treatment of pyrites. W. P. Wynne and T. Tregurtha ..	8589	19 June.
Concrete and cement-mortar building, &c. J. Carter ..	9147	23 Dec.
Concrete erections. W. Dear ..	8967	24 Oct.
Condensed-milk products. W. F. Maclaren and A. S. Fleming ..	8912	5 Oct.
Condensing and sterilising milk, Apparatus for and process of. R. C. and A. M. Lindsay ..	8599	25 June.
Confection. W. Hutton ..	8349	14 March.
Confectionery advertising-medium. (See Advertising.)		
Connecting device for securing tubes or rods to mains, plates, &c. F. Albrecht ..	8508	19 May.
Connecting-rod. D. J. Crosby ..	8617	2 July.
Connections for drain-pipes. P. Hutson ..	8660	21 July.
Conveying grain, minerals, &c., Apparatus for. C. Thompson ..	8381	1 April.
Cooking-utensils, Instrument for cleaning. A. L. J. Tait ..	8448	23 April.
Cooling air and producing dry warm air, Apparatus for. T. B. Lightfoot ..	8339	11 March.
Cooling, purifying, and drying air for chilling and freezing purposes, Mode of and apparatus for. C. A. MacDonald ..	8714	6 Aug.
Cooling. (See also Air-compressor, Freezing, Ice-making, Milk-cooling, Preserving.)		
Copper- and zinc-ores, Treating. W. E. Hughes ..	8844	15 Sept.
Copper tubes. (See Tubes.)		
Corking bottles, Apparatus for. P. Larsen ..	8394	8 April.
Corking-machine. J. W. Flower and R. J. Cousins ..	9016	7 Nov.
Corks, Device for securing, in bottles. A. Billens ..	8895	26 Sept.
Corrosive and other liquids, Elevator for. E. F. Turner ..	8647	14 July.
Corset. L. A. Hean ..	8366	25 March.
Cost- and weight-indicating apparatus for spring-balance scales. (H. J. Wood and W. Thomson)	8361	25 March.
Cost-finder. J. S. Woodhouse ..	8606	25 June.
Cost-indicating apparatus for lever-platform, steelyard, &c., weighing-machines. The Combined Weight- and Cost-indicating Scale Company (Limited)	8446	29 April.
Cost-indicating apparatus for weighing-machine. R. M. Macdonald ..	8454	30 April.
Cost-indicator. (See also Calculating device, Postage-, Price-, Ready-reckoner.)		
Cost of articles, amounts of commission, interest, &c., Device for determining. J. S. Woodhouse and W. Rollitt ..	8443	27 April.
Cost of goods sold by lineal measurement, Apparatus for indicating. R. A. Bradbury ..	9155	23 Dec.
Cotton-waste, Cleansing, degreasing. F. N. Turney ..	8645	14 July.
Couch, Spring-. G. Hamlin ..	8993	27 Oct.
Coulter of grain-drill. P. Mulvihill ..	8652	15 July.
Coupling. (See Car-coupling, Railway.)		
Cover. (See Canister-cover, Hatch-cover, Horse-cover, Tin-cover, Tire-cover.)		
Cowl, Ventilating-. J. E. Yates ..	8665	22 July.
Cradle and perambulator, Convertible. E. R. Godward ..	8941	12 Oct.
Cramp, Flooring- and lining-. W. C. Page ..	8205	16 Jan.
Cramp, Picture-frame. L. Schmoll ..	8812	1 Sept.
Cramp. (See also Clamp.)		
Crane, Dray-loading. J. H. Speedy ..	8777	11 Aug.
Crank, Clutch-, for bicycle. A. A. Troup ..	8737	10 Aug.
Crank for cycle, Double-centre. J. Speight ..	8345	13 March.
Crank-lever for cycle, Non-rotating. J. Speight ..	8312	2 March.
Crankless driving-gear for motors used on land and sea. F. R. Trevithick and E. H. Barber ..	8602	22 June.
Crate for cycles. J. J. Daily ..	8848	16 Sept.
Cream. (See Churns, Milk, Ice-cream.)		
Creosoting wood, Cylinder for. (See Cylinder.)		
Cricket-stumps. F. V. Raymond ..	9008	31 Oct.
Cricket-stumps. J. Rowley ..	9051	18 Nov.
Cricket-wicket. W. M. Tyers and D. T. C. Innes ..	9052	20 Nov.
Cricket-wicket, Alarm. W. McKaskell ..	9128	15 Dec.
Crusher and grinder for ore. W. J. Dalton ..	8293	19 Feb.
Crusher and grinder for ore, Portable. W. J. Dalton ..	8294	19 Feb.
Crusher and grinder for rock. Kinkead Mill Company ..	8616	2 July.
Crushing and pulverising ore, Apparatus for. C. D. Jenkins ..	8929	10 Oct.
Crushing ores, Apparatus for. D. B. Morrison ..	8982	27 Oct.
Crushing. (See also Disintegrating, Pulverising.)		
Cue and tip. A. Noble ..	8490	11 May.
Cue-tip. F. R. Trevithick and E. H. Barber ..	8473	4 May.
Cuff-guard. A. F. Gualter ..	8596	22 June.
Cultivator. J. Gray ..	8561	8 June.
Cultivator. A. Hosking ..	8940	16 Oct.
Cultivator and harrow. J. H. Jensen ..	8200	13 Jan.
Cultivator and seed-drill. C. McLeod ..	8487	12 May.
Cultivator, Hand-power. G. W. Shailer and W. L. Luxford ..	8685	27 July.
Cultivator, Knife attachment for. J. Richardson ..	9097	2 Dec.
Cultivator or harrow. J. H. Jensen ..	8387	7 April.
Cure of toothache, Appliance for. P. Riordan ..	8637	11 July.
Curing bacon, creosoting wood, &c., Cylinder for. E. R. Down ..	8751	17 Aug.
Curing bacon, hams, &c. E. R. Down ..	8750	17 Aug.
Curing meat, Process for. W. Broome ..	8386	7 April.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention and Name of Inventor.	No.	Date.
Curing meat, Process for. J. Gilmour	8811	31 Aug.
Cutter. (See Pollard-cutter, Tobacco-cutter.)		
Cutting holes in wood, metal, &c., Apparatus for. W. H. Landells and H. Zander	8731	11 Aug.
Cutting holes in wood, metal, &c., Apparatus for. W. H. Landells and H. Zander	8873	19 Sept.
Cyanide process of extracting gold, Improvement in. E. Hoiland and G. W. Horn	8545	2 June.
Cyanides and ferro-cyanides, Manufacturing, from sulpho-cyanides. The United Alkali Company (Limited)	8224	29 Jan.
Cycle. B. and F. Ljungström	8288	21 Feb.
Cycle. A. L. J. Tait	8682	9 July.
Cycle, Apparatus for assisting an instructor in teaching a person to ride. F. W. Painter	8920	5 Oct.
Cycle, &c., Apparatus for automatically signalling when a predetermined speed is attained on motor-carriages. J. Clements	9136	17 Dec.
Cycles, Apparatus for bending handle-bars of. N. Oates	8683	3 July.
Cycle, Arrangement of mechanical parts for propulsion of. W. H. Trengrove	8659	18 July.
Cycle ball-bearings. Schroeder's Ball-bearing Company (Limited)	9090	3 Dec.
Cycle-bearings. T. Boyd	8910	3 Oct.
Cycle-cabinet. C. N. Morris	9150	24 Dec.
Cycle-chain bolts, Washer for locking nuts on. T. Boyd	8455	1 May.
Cycle, Chainless driving-gear for. C. L. Garland	9050	18 Nov.
Cycle-crate. J. J. Daily	8848	16 Sept.
Cycle, Non-rotating crank-lever for. J. Speight	8312	2 March.
Cycle, Device for holding lever of, when brake is applied. E. R. Standfield and T. de R. Harman	8984	27 Oct.
Cycle, Double centre-crank for. J. Speight	8345	13 March.
Cycle driving-gear. J. Speight	8312	2 March.
Cycle driving-gear. J. Speight	8345	13 March.
Cycle driving-gear. A. H. Edwards	8382	1 April.
Cycle driving-gear. J. J. Marshall	8530	27 May.
Cycle driving-gear. F. Richardson	8764	20 Aug.
Cycle driving-gear. J. L. Löb, G. H. Barlow, and A. W. R. Drabsch	8818	3 Sept.
Cycle driving-gear. J. G. Gough and W. E. Harding	8869	18 Sept.
Cycle driving-gear. W. Fennah and H. D. McKie	8881	23 Sept.
Cycle driving-gear. E. Davies and A. Harrison	8930	10 Oct.
Cycle driving-gear. W. Dall	9033	11 Nov.
Cycle driving-gear. F. R. Trevithick and E. H. Barber	8603	22 June.
Cycle driving-gear. F. R. Trevithick and E. H. Barber	8408	17 April.
Cycle driving-mechanism. F. F. Powell	8758	19 Aug.
Cycle, &c., driving-mechanism. J. Gaut	9108	10 Dec.
Cycle driving-wheel carriage. J. Adcock	8938	10 Oct.
Cycle, Electric lamp for. T. G. Howden	9026	11 Nov.
Cycle-frame. W. H. Trengrove	8949	19 Oct.
Cycle-gear. E. A. Trendall	8757	21 July.
Cycle-handle and steering-bar. C. O. Kemp	8588	19 June.
Cycle, Lever-pedal for. J. Speight	8285	20 Feb.
Cycle propelling-gear. P. Ellis	8763	17 Aug.
Cycle propelling mechanism. G. T. Booth and W. Scott	8735	12 Aug.
Cycle propelling-gear. E. A. Ashcroft	8805	1 Sept.
Cycle-saddle. C. Jacob	8852	16 Sept.
Cycle-saddle. F. G. Shields	8857	14 Sept.
Cycle, Sprocket-wheel for. J. A. Walker	9091	3 Dec.
Cycle-tires. (See Tires.)		
Cycle-wheel. (See Wheel.)		
Cycles, Means of conserving power expended in overcoming obstacles by. W. W. Curties	8515	20 May.
Cycles, Propelling, by manual power. C. J. Hill	8371	27 March.
Cycles. (See also Bicycle, Brake, Clips, Driving-gear, Propelling, Saddle, Seat, Tricycle, Wheel, Velocipede.)		
Cycling and other sports, Scoring-board for. W. H. N. Stead	8956	23 Oct.
Cycling-clothes. M. T. McGrath	8265	11 Feb.
Cycling-skirt. C. H. Hart	9049	18 Nov.
Cyclists, Back-support for. R. W. Hutton	8948	21 Oct.
Cyclist's valise. W. B. Parsons	9066	26 Nov.
Cylinder for curing bacon, creosoting wood, &c. E. R. Down	8751	17 Aug.
Dairy-produce. (See Preserving.)		
Davit-stopper for ships' boats. G. Holford	8653	15 July.
Day-book for bankers, &c. J. P. Harris	8320	3 March.
Deepening adjust for ploughs. (See Ploughs.)		
Deck-scrubber. (See Scrubber.)		
Degreasing wool. (See Wool.)		
Dehorning calves, Instrument for. D. Donald	8664	21 July.
Deodorising closets, &c., Method of. F. Templer	8957	23 Oct.
Desulphurising-furnace. (See Furnace.)		
Dies. (See Spouting-dies.)		
Differential pressure-reducing apparatus. C. G. P. de Laval	8431	28 April.
Digger. (See Potato-digger.)		
Dining- and billiard-table. D. McKenzie	8840	10 Sept.
Dip. (See Sheep-dip.)		
Directory-table, Advertising. J. D. Fisher	8550	3 June.
Directory. (See also Mercantile Directory.)		
Discharge-shoot for feeding ore to stamp battery. A. W. Goyder	9089	3 Dec.
Disc harrow. (See Harrow.)		
Disc plough. (See Plough.)		
Disc ridger. (See Ridger.)		
Disinfectant, medicinal, and bleaching fluid. A. W. Meeks	8255	6 Feb.
Disinfecting and deodorising closets, &c., Method of. F. Templer	8957	23 Oct.
Disinfecting-box for closets, &c. A. E. Furness	9149	24 Dec.
Disintegrating hard substances, Apparatus for. A. Jordan	8632	8 July.
Disintegrating quartz, &c., Process and means for. A. Gutensohn	8749	17 Aug.
Disintegrating. (See also Crushing, Pulverising.)		

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention and Name of Inventor.	No.	Date.
Distributor. (See Coal-distributor, Lime-distributor.)		
Door, Anti-rattler and sash-fastener for window or. W. J. Dalton	8336	5 March.
Door-check to prevent slamming. A. H. Brownley	8474	5 May.
Door-latch, Device for fastening. A. Prior	9005	5 Nov.
Door or window, Draught preventing apparatus for attachment to. A. H. and C. Hansen ..	8772	22 Aug.
Door. (See also Railway.)		
Dovetailing, dowelling, and tenoning, Method of and apparatus for. A. Brake	8536	29 May.
Dowelling, tenoning, and dovetailing, Method of and apparatus for. A. Brake	8536	29 May.
Drainage-pipe connections. P. Hutson	8660	21 July.
Drain-plough. (See Plough.)		
Draining wet wool. (See Wool.)		
Draught-preventer. (See Door, Window.)		
Drawbridge. J. Musson	8172	3 Jan.
Drawing lines, Appliance to assist in. J. Warnock	8258	7 Feb.
Dray-loading crane. J. H. Speedy	8777	11 Aug.
Dredge. G. Poll	8958	23 Oct.
Dredge. G. Poll	9088	1 Dec.
Dredge-buckets, Method of and apparatus for obtaining complete delivery in. J. C. McGeorge and F. W. Payne	9030	10 Nov.
Dredge, gold-saving apparatus for. J. C. McGeorge	8738	23 Aug.
Dredge, Suction-. G. Higgins	8491	9 May.
Dredge, Tailings-elevator for. W. Cutten	8196	10 Jan.
Dredge, Winch for. W. Cutten	8214	18 Jan.
Dredge, Rotary driving-gear for. R. Cockerell	8475	11 May.
Dredging auriferous rivers, Method and means of. I. Lewis	8278	18 Feb.
Dredging for precious metals, Apparatus for. H. Park	8472	8 May.
Dressing and threshing. (See Threshing, Seeds.)		
Dressing for textile and fibrous materials. C. Dahl.	8248	4 Feb.
Drenching cattle and horses, Appliance for. C. Brake and A. McNae	8970	24 Oct.
Drill, Attachment to seed-. A. Marsh	8694	27 July.
Drill, Coulter of grain-. P. Mulvihill	8652	15 July.
Drill, plough, and hoe combined. G. Osborne	8996	30 Oct.
Drill, Process and apparatus for sharpening rock-. T. H. Bradbury	8253	6 Feb.
Drill, Seed-. A. Marsh	8693	27 July.
Drill, Turnip-seed. P. Gern	8467	6 May.
Drill, Turnip-seed. A. Storrie	9096	2 Dec.
Drills. (See also Cultivator and Ridger.)		
Driving-gear for bicycle. J. Metzger	8272	12 Feb.
Driving-gear for bicycle. W. W. Curties	8330	4 March.
Driving-gear for bicycle. J. Speight	8666	22 July.
Driving-gear for bicycle. R. Murie	8700	23 July.
Driving-gear for bicycle. W. Taylor	8914	5 Oct.
Driving-gear for bicycle. (See also Bicycle.)		
Driving-gear for cycle. J. Speight	8312	2 March.
Driving-gear for cycle. J. Speight	8345	13 March.
Driving-gear for cycle. A. H. Edwards	8382	1 April.
Driving-gear for cycle. C. L. Garland	9050	18 Nov.
Driving-gear for cycle. F. R. Trevithick and E. H. Barber	8408	17 April.
Driving-gear for cycle. J. J. Marshall	8530	27 May.
Driving-gear for cycle. F. R. Trevithick and E. H. Barber	8603	22 June.
Driving-gear for cycle. F. Richardson	8764	20 Aug.
Driving-gear for cycle. J. L. Löb, G. H. Barlow, and A. W. R. Drabsch	8818	3 Sept.
Driving-gear for cycle. J. G. Gough and W. E. Harding	8869	18 Sept.
Driving-gear for cycle. W. Fennah and H. D. McKie	8881	23 Sept.
Driving-gear for cycle. E. Davies and A. Harrison	8930	10 Oct.
Driving-gear for cycle. W. Dall	9033	11 Nov.
Driving-gear for motors, Crankless. F. R. Trevithick and E. H. Barber	8602	22 June.
Driving-gear for pumps, dredges, &c., Rotary. R. Cockerell	8475	11 May.
Driving-mechanism for bicycle. L. N. Dyhrberg, W. W. Curties, and A. Crum	8235	1 Feb.
Driving-mechanism for bicycle. F. J. A. Kindermann	8810	2 Sept.
Driving-mechanism for bicycle. J. Gaut	9108	10 Dec.
Driving-mechanism for bicycle. G. T. Booth, W. Scott, and J. E. Friend	9139	15 Dec.
Driving-mechanism for bicycle. F. J. Osmond	9113	8 Dec.
Driving-mechanism for cycles. F. F. Powell	8758	19 Aug.
Driving-wheel chain. H. Morrison	9072	27 Nov.
Drum. (See Skeleton-drum, Tins.)		
Dry distillation of wood, &c., Apparatus for. A. Schmidt	8549	3 June.
Drying. (See Air, Wool.)		
Dynamo. J. Vaughan-Sherrin	8927	10 Oct.
Easy-chair, Folding. P. F. M. Burrows	8266	11 Feb.
Edge-tool sharpener. C. L. Daniel	8250	5 Feb.
Egg-beater and churn combined. S. A. Shipman	8511	21 May.
Eggs. (See Preserving.)		
Electrical radiators and hot-plates. J. Chambers	8871	17 Sept.
Electrical radiators and water-boilers. J. Chambers	8934	12 Oct.
Electric apparatus for marking meat. A. Smith	8680	22 July.
Electric arc-lamp. (See Lamp.)		
Electric bird-extinator. J. Metzger	8835	29 Aug.
Electric cable. M. Guillaume	8376	31 March.
Electric fan, Rotary. P. Diehl and E. H. Bennett, jun.	9157	29 Dec.
Electric illumination, Phosphorescent. Moore Electrical Company	8215	22 Jan.
Electric-lamp. (See Lamp.)		
Electric-lighting and -heating of railway-carriages, &c. E. J. Preston and A. B. Gill	8377	31 March.
Electric medical bath. J. E. and A. Hare	8449	29 April.
Electric motor. (See Motors.)		
Electric photographic time- and position-recorder. J. Gaut	9068	26 Nov.
Electricity-generator. H. Arzt	8642	14 July

ALPHABETICAL LIST OF TITLES OF INVENTIONS—continued.

Invention and Name of Inventor.	No.	Date.
Electric race-recorder. J. Gaut	8528	26 May.
Electric starting-machine. J. Gaut	8529	26 May.
Electric time-handicap starter. (See Starter.)		
Electro-deposition. (See Lead, Metal, Tubes, Zinc.)		
Electrolytic precipitation of gold and silver from solutions, Means and apparatus for. J. Pfleger ..	8187	10 Jan.
Electro-magnetic chronograph. P. G. Harwood	8554	4 June.
Electro-motor and transformer. The Alternate Current Electro-motor Syndicate (Limited) ..	8609	27 June.
Elevator for automatic distribution of straw on to stacks. G. Stevenson	8790	20 Aug.
Elevator for dredge-tailings. W. Cutten	8196	10 Jan.
Elevator for corrosive and other liquids. E. F. Turner	8647	14 July.
Elevator, Hydraulic. G. Lee	8639	15 June.
Embossed photograph. A. Martin	8946	20 Oct.
Embossed photograph. F. A. Taber	8559	6 June.
Embroidery. (See Needle.)		
Emery wheel, Substitute for. C. M. Pielsticker	8947	21 Oct.
Enamel paint. G. W. N. Hamilton	8716	6 Aug.
Endless belts, Attachment of. A. Evans	9064	17 Nov.
Engine. L. C. McAdams	8974	26 Oct.
Engine, Rotary. G. A. Ritson	8464	5 May.
Engine, Tidal and river automatic lock-. J. L. McColl	8296	21 Feb.
Engine. (See Air-engine, Gas-engine, Hot-air engine, Marine-engine, Oil-engine, Steam-engine, Traction-engine.)		
Envelopes, &c., Seal for. A. H. Krause	8194	11 Jan.
Eucalypti cigar. W. J. Dalton	8277	17 Feb.
Evaporating-kiln for fruit, &c. L. J. Dufiou	8287	19 Feb.
Evaporating or heating apparatus. F. Ljungström	9014	7 Nov.
Exchange. (See Telephone Exchange.)		
Explosive compound. J. Carter	8211	23 Jan.
Explosions in mines, Process of preventing. W. R. Townsend	8874	21 Sept.
Exterminator, Electric bird-. J. Metzger	8835	29 Aug.
Extracting essential properties of the bark of trees and shrubs and concentrating same in solid form. J. Freyberg	9126	16 Dec.
Extracting gold, metals, &c. (See Gold, Metals, Ore.)		
Eye, Hook and. M. Hindley	8276	14 Feb.
Fan, Rotary electric. P. Diehl and E. H. Bennett, jun.	9157	29 Dec.
Fastener. (See also Bootlace-fastener, Door-fastener, Garments, Gate-fastener, Latch-fastener, Legging-fastener, Sash-fastener, Shoe-fastener, Tie-fastener, Wire-fastener.)		
Fastening for gloves, shoes, leggings, gaiters, &c. A. G. Howland	8476	8 May.
Fastening for rails. F. Ottaway	8247	4 Feb.
Fat-press. J. Paddy and W. Mallandine	8657	20 July.
Fatty matter from fatty animal tissues, Manufacturing. J. Davidson	8915	5 Oct.
Feeder-apron for reapers and binders, &c. C. D. Lightband	8444	24 April.
Feeding horses, &c., Appliance for. W. Rainbow	8721	7 Aug.
Fencing-staple. F. W. Page	8654	14 Aug.
Fencing, Swinging standards for wire-. G. and G. Wratten	8315	2 March.
Fencing. (See also Gate, Wire-fencing, Wire-strainer.)		
Ferro-cyanides. (See Cyanides.)		
Fertilizing. (See Manuring.)		
Fibre. (See Flax.)		
Figure-support, Anatomical hygienic. A. G. Parry	8655	15 July.
File, Letter-. R. W. S. Clair	8409	17 April.
File, Paper-. D. Moore-Jones	8839	9 Sept.
Filling and closing metal capsules or containers submitted to great internal pressure, and having fine necks with small inlet-apertures, Apparatus for. E. Stern	8646	14 July.
Film-carrier for magic-lantern. G. Hamlin	8232	29 Jan.
Filter. J. Murdoch, T. W. Lewis, and W. H. Harris	8634	6 July.
Filter for water-tanks. E. J. Coppen and E. H. Chamberlain	8199	13 Jan.
Filter, Tank. D. E. Amesbury	8363	25 March.
Finger-protector for use when sewing by hand. A. J. Park	8601	26 June.
Firearm. E. L. Barton	8357	20 March.
Firearm. (See also Projectile, Trigger.)		
Fireplace, Adjustable foot-rest bracket for. F. G. M. Brittin	9115	9 Dec.
Fireplace, Foot-rest for. F. G. M. Brittin	9115	9 Dec.
Fire-guard. J. Churches	8526	26 May.
Fire-tongs. G. Robinson	8534	28 May.
Fish-splitter and -cleaner. T. S. Mullay	9059	19 Nov.
Fish. (See Preserving.)		
Flame-spreader and smoke-consumer for oil-lamp. D. Dunn, T. W. Lewis, and W. H. Harris ..	8896	26 Sept.
Flame-spreader for kerosene candle-substitutes. A. Billens	8891	24 Sept.
Flask. (See Tea-flask.)		
Flax and similar fibres, Process of and apparatus for dressing. C. S. White and A. J. Cuming ..	9114	9 Dec.
Flax-cleaning process. T. Branton	8422	22 April.
Flax, Machine for scraping. W. Fairweather	8575	12 June.
Flax (<i>Phormium tenax</i>), Method of obtaining and dressing fibre of New Zealand. A. J. Cuming and C. S. White	8964	22 Oct.
Flax-scraping machine. J. H. Harper and A. Harris	8227	28 Jan.
Flax-stripping machine. G. J. Leech, jun.	8779	20 Aug.
Flax-stripper, Yielding beating-bar for. W. Fairweather	9080	28 Nov.
Flooring- and lining-clamp. H. Childs	8518	22 May.
Flooring and lining, Lever-cramp for. W. C. Page	8205	16 Jan.
Floor-scrubber. S. J. W. Buckley	8364	26 March.
Flour-tester. P. C. K. Young	8833	5 Sept.
Fluid-meter apparatus, Coin-freed. F. Wright	8186	10 Jan.
Fluid, Washing-. (See Washing.)		
Folding easy-chair. P. F. M. Burrows	8266	11 Feb.
Food. I. A. Timmis	8954	23 Oct.
Food. (See also Alimentary, Preserving.)		

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention and Name of Inventor.	No.	Date.
Foot-rest for fireplace. F. G. M. Brittin	9115	9 Dec.
Forcing water or air, Machine for. E. Kiernan	8222	28 Jan.
Fowling-piece. (See Rifle.)		
Freezing, Device for straightening carcasses for. T. Simson	8893	26 Sept.
Freezing meat, Method of and apparatus for. F. G. M. Brittin and B. W. Glass	9071	24 Nov.
Freezing meat under pressure. J. Gilmour	8859	15 Sept.
Freezing. (See also Air-compressor, Cooling, Ice-making, Preserving, Refrigerating.)		
Frosting glass, metals, &c., Apparatus for. F. Stent	8999	4 Nov.
Frozen produce, Method of thawing. F. A. Furlonge	9029	12 Nov.
Fruit-evaporating kiln. L. J. Duffou	8287	19 Feb.
Fruit. (See Preserving.)		
Fruit-tree sprayer. (See Sprayers.)		
Fuel. E. M. Smith	8709	6 Aug.
Fuel-economizing apparatus for steam-boilers, Automatic stoking, smoke-consuming, and. G. Claydon and H. Wood	8605	24 June.
Fuel-economizing apparatus for steam-boilers, Automatic stoking, smoke-consuming, and. The Wood and Claydon Automatic Stoker, Coal-crusher, Self-feeder, and Smoke-consumer Company (Limited)	8826	4 Sept.
Fuel, Gaseous. (See Gas.)		
Fuel, Method of and apparatus for effecting combustion of, in furnaces. W. Egerton	8590	19 June.
Fuel, Press for compressing shavings for. J. Russell	8565	8 June.
Fumes, Machine for generating and forcing into rabbit-burrows. N. R. Munro	8768	21 Aug.
Fumigator. (See Rabbit-poisoning.)		
Fungus, Eradicating root-. W. Armstrong	8348	12 March.
Furnace, Brick for smelting-. E. Purser	8689	24 July.
Furnace-cases, Gratings for use in. J. Anderson	8608	25 June.
Furnace, Ore-roasting. I. Lewis	8279	18 Feb.
Furnace, Ore-treatment gas-shaft. D. R. S. Galbraith	8424	24 April.
Furnace, Roasting- and oxidizing-. Parke and Lacy Company	9048	18 Nov.
Furnace, Roasting-, chlorinating-, and desulphurising-. Parke and Lacy Company (Limited)	8808	1 Sept.
Furnace. (See Fuel.)		
Furniture, Stuffing for. A. R. McDonald	8836	29 Aug.
Furrow-cutter and packer for plough. J. G. Harvey	8761	17 Aug.
Furrow, Machine for making and depositing poisoned grain therein. N. R. Munro	8769	21 Aug.
Furrow-skimmer. A. W. Legg	8651	15 July.
Furrow-slicer for ploughs. T. E. Keetley	8638	11 July.
Furrow-wheel. (See Wheels.)		
Fuse-lighter. J. Fraser	8830	9 Sept.
Gaiters, Fastening for. A. G. Howland	8476	8 May.
Gaiters and spats, Attachment to. M. O'Brien and R. Weston	8374	28 March.
Galvanic battery. A. C. Miles and B. F. de Morgenstern	9018	7 Nov.
Game. P. Vautier and W. T. Dawick	9063	23 Nov.
Garments, Fastening device for suspending. E. L. Evens and A. Bonnin	8880	23 Sept.
Garment, Waterproof. J. H. Tennant	8219	22 Jan.
Gas, Apparatus for regulating supply of and enriching same, and composition therefor. H. J. Ingle	8419	24 April.
Gas-burner, Chemically-impregnated device for use with Bunsen. L. Hooker	8439	28 April.
Gas-burner, Incandescent. W. R. Clay	8913	5 Oct.
Gas-burner, Regulation device for. F. L. and H. W. Teed	9146	23 Dec.
Gas-compressor. N. Selze	9044	17 Nov.
Gas-engine and method of mixing and volatilising gases in same. J. B. Carse	8244	3 Feb.
Gas-engine governor. R. Caldwell	8544	2 June.
Gas-engine governor. R. Caldwell	8566	10 June.
Gas-engines, Method of igniting. R. Caldwell	8876	21 Sept.
Gaseous fuel, Generating and applying to motive-power purposes. F. H. Snow	8570	12 June.
Gas-furnace. (See Furnace.)		
Gas-generator. Pettibone, Mulliken, and Co.	8937	16 Oct.
Gaslight-fittings, Incandescent. A. Vaughan	9079	27 Nov.
Gas-lighting, Burner for incandescent. W. R. Clay	8913	5 Oct.
Gas-lighting, Method of and apparatus for. T. Rowan	8204	15 Jan.
Gas, Liquid composition for increasing illuminating and heating powers of, and apparatus for utilising same. E. Sparling and H. J. Ingle	8229	30 Jan.
Gasometer. (See Lime-light Apparatus.)		
Gas. (See Acetylene, Lamp, Liquid, Oil-gas.)		
Gases, Apparatus for charging vessels with compressed. E. Stern	8567	11 June.
Gases, Apparatus for reducing pressure of. R. Matchett	9152	24 Dec.
Gate and actuating apparatus therefor. T. Salkeld	8595	24 June.
Gate. A. H. Brownley	8509	15 May.
Gate-fastener. C. Whiteman	8745	17 Aug.
Gate-hinge. A. Scott	8411	10 April.
Gate-hinge, Automatic-shutting. J. Drummond	8627	4 July.
Gear-case for velocipedes. G. Mirfin and W. Petersen	8725	12 Aug.
Gate, Self-setting rabbit-. P. C. K. Young	8284	17 Feb.
Generating gaseous fuel. (See Fuel.)		
Generating poisonous fumes and forcing them into rabbit-burrows, Machine for. N. R. Munro	8768	21 Aug.
Generator of electricity. (See Electricity.)		
Generator. (See Acetylene-gas, Gas.)		
Girders and beams, Mode and means for supporting ends of. A. Westwood	8743	17 Aug.
Glass, Apparatus for frosting. F. Stent	8999	4 Nov.
Glossing-iron and handle attachment. W. H. Brunton and F. S. H. Werry	8198	10 Jan.
Gloves, Fastening for. A. G. Howland	8476	8 May.
Gloves for cricket or boxing. A. R. McDonald	8907	17 Sept.
Go-carriage and protector combined. E. Youngman	8275	14 Feb.
Gold accumulator, Float-. C. W. Horneman	8310	2 March.
Gold-amalgamating process and apparatus. J. V. Bartlett	8213	23 Jan.
Gold-amalgamator. J. R. Brown and G. A. Kirk	8458	4 May.
Gold and silver, Means and apparatus for electrolytic precipitation of, from solutions. J. Pfeiffer	8187	10 Jan.
Gold and silver, Method and apparatus for extracting, from ores. O. O. Heiden	8462	4 May.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention and Name of Inventor.	No.	Date.
Gold and silver, Process for extracting, from ore. K. A. May	9102	7 Dec.
Gold and silver, Process for extracting, from slimes by leaching. J. Park and G. W. Horn	8271	11 Feb.
Gold and silver, Process for obtaining, from ores. J. Park and E. H. Whitaker	8281	14 Feb.
Gold and silver, Recovering, from solutions. C. W. H. Göpner and H. L. Diehl	8973	26 Oct.
Gold- and silver-ores, Process and apparatus for treating. A. de C. Scott	8510	21 May.
Gold and similar metals, Mining. H. Frasc	8741	15 Aug.
Gold, Apparatus for extracting. W. H. Hyatt and J. Henochsberg	8359	23 March.
Gold, Apparatus for extracting, by means of mercury. J. S. Butler	8633	8 July.
Gold, Apparatus for obtaining, from river-beds. W. Aitken, jun.	9000	4 Nov.
Gold, Apparatus for saving. B. Gray	8619	2 July.
Gold, Extracting from ores. W. Majert	8380	31 March.
Gold, Machine for extracting by solvents. J. J. Deeble	8225	29 Jan.
Gold, Machine for saving by aid of mercury. G. Dillberg and W. Walker	9001	4 Nov.
Gold, Method of obtaining. J. F. Webb	8990	28 Oct.
Gold, Mining. H. Frasc	8741	15 Aug.
Gold, Process for saving from refractory ores. F. White	9056	17 Nov.
Gold, Process of and apparatus for extracting from ores. J. G. Murphy	8746	17 Aug.
Gold, Process of and apparatus for mining and extracting from auriferous deposits. G. Renz, W. A. Tarves, and D. Chenhall	9027	11 Nov.
Gold, Process of extracting. E. Hoiland and G. W. Horn	8545	2 June.
Gold saving, Alluvial-. C. W. Horneman	8310	2 March.
Gold-saving apparatus. W. Morton	8562	5 June.
Gold-saving apparatus. J. W. Robertson	9084	1 Dec.
Gold-saving apparatus for rivers. W. B. Walters	8437	28 April.
Gold-saving, Hydro-chlorine process of. J. D. Anderson	8299	22 Feb.
Gold-saving machine. C. W. Horneman	8310	2 March.
Gold-saving machine. J. Tyson	8936	21 Sept.
Gold-saving, Method of and apparatus for, especially useful for dredges. J. C. McGeorge	8738	23 Aug.
Gold-separating, Apparatus for and dry process of. C. Phillips	8671	22 July.
Gold, silver, &c., Table for saving. R. Cockerell	9098	20 Nov.
Gold. (See Amalgamating, Ore, Pulveriser, Quartz.)		
Golosh. (See Shoe.)		
Governor applicable to gas-engines, &c. R. Caldwell	8544	2 June.
Governor applicable to gas-engines, &c. R. Caldwell	8566	10 June.
Grading, concentrating, and classifying ore, Apparatus for. W. H. Coward	8218	25 Jan.
Grading ore, &c. H. Pape and W. Henneberg	9106	7 Dec.
Grain, Apparatus for sorting and removing dust from. R. Steinbach	9134	17 Dec.
Grain-conveying apparatus. C. Thompson	8381	1 April.
Grain-drill. (See Drill.)		
Grains, Utilising brewers' "spent." R. D. Bailey and L. P. Ford	8481	12 May.
Grass-seed stripper. F. W. Page	8577	13 June.
Gratings for use in furnace-cases. J. Anderson	8608	25 June.
Grinder, Ore-. (See Crusher.)		
Grip, wire-straining. J. C. Graham	8754	12 Aug.
Guide for wool-washing. (See Wool.)		
Guiding-pulleys for hauling logs, &c. W. R. Brownlee	8676	22 July.
Gun-sling. W. H. Tisdall	8569	12 June.
Hair, Apparatus for applying liquids to roots of. F. Pratt	8441	27 April.
Hair or wool, Machine for cutting. J. W. Newall	9002	4 Nov.
Hairpin. C. W. Hughes	9019	10 Nov.
Handicap starter, Electric time-. (See Starter.)		
Handle and support for cans and cases. T. W. Hickson	8391	9 April.
Handle, Cycle-. (See Cycle.)		
Harness and shafts of vehicle. (See Vehicle.)		
Harness breaching. W. Lambe	8656	17 July.
Harness-polish. A. Howe and S. H. Lees	9159	23 Dec.
Harrow and cultivator. J. H. Jensen	8200	13 Jan.
Harrow, Disc. J. Gray	8921	3 Oct.
Harrow or cultivator. J. H. Jensen	8387	7 April.
Harrow, Reversible disc. G. T. Booth	8506	15 May.
Harvester, Reaper and. J. C. Moore	8669	22 July.
Hat, bonnet, &c., Apparatus for securing. E. R. Standfield and W. Brew	8228	30 Jan.
Hat-hanger. F. R. Hall and W. H. Scott	8469	5 May.
Hat, Pneumatic pad for. H. J. Wood	8425	22 April.
Hatch-box. (See Thimble.)		
Hatch-covering. W. McPherson	8578	11 June.
Hauling-cage. T. Powick and A. G. Hill	8797	29 Aug.
Haulage-clip, Holding together the two jaws or cheeks of. G. H. Broome and W. Todd	8450	2 May.
Haulage-ropes in mines, Method of and apparatus for counterbalancing. G. Lansell	9045	17 Nov.
Head-covering. A. R. McDonald	8907	17 Sept.
Heat bath, Radiant-. (See Bath.)		
Heating apparatus. I. Lewis	8553	28 May.
Heating or evaporating apparatus. F. Ljungström	9014	7 Nov.
Heating. (See Gas, Liquids, Milk, Stove, Water-heater.)		
Heel for boot or shoe. F. Dryland	8989	31 Oct.
Hematite pulverizer. W. Walker	9003	28 Oct.
Hemp. (See Flax.)		
Hides, &c., Machinery for treating. J. Hall	9131	17 Dec.
Hides. (See also Tanning.)		
Hinge for gate. A. Scott	8411	10 April.
Hinge for gate, Automatic-shutting. J. Drummond	8627	4 July.
Hoe. J. Brown	8313	28 Feb.
Hoe. J. Aitken	8412	20 April.
Hoe, Hand push-. G. H. Grapes	8362	24 March.
Hoe and plough. (See Ploughs.)		
Holder for cash check-books. R. S. Abel and J. Dykes	8400	11 April.
Holder, Sanitary paper-. W. Davidson and S. G. Smith	8838	12 Sept.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—continued.

Invention and Name of Inventor.	No.	Date.
Holder, Sanitary paper-. W. Davidson and S. G. Smith	9088	16 Nov.
Holes, Apparatus for cutting. W. H. Landells and H. Zander.. ..	8731	11 Aug.
Holes, Apparatus for cutting. W. H. Landells and H. Zander.. ..	8873	19 Sept.
Hook and eye. M. Hindley	8276	14 Feb.
Horse checking apparatus. H. W. T. Doggett and J. McChesney	8938	16 Oct.
Horse-collar. J. R. Hart	8640	9 July.
Horse-collar. F. Warner	8748	17 Aug.
Horse-collar, False. T. Clements	8691	30 July.
Horse-collar pad. C. S. White	8823	3 Sept.
Horse-collar, Pneumatic. R. J. Henry	8864	17 Sept.
Horse-cover. W. A. Dimick	8557	4 June.
Horse-cover. G. J. Silcock	8624	4 July.
Horse-cover. T. Richardson	8795	14 Aug.
Horse cover. A. Thompson	9118	14 Dec.
Horse- or cattle-feed, Apparatus for automatically supplying to a manger at any set time, and simultaneously supplying water to a drinking-vessel. W. Rainbow	8721	7 Aug.
Horse-pad or -boot. C. S. White	8774	20 Aug.
Horse-race starter. (See Starters, Starting-machine.)		
Horse-shoe. A. R. McDonald	8907	17 Sept.
Horse-shoe, Nailless. H. Cave	9107	8 Dec.
Hose-nozzle. J. Black	9125	16 Dec.
Hot-air engine. C. R. Macdonald	8803	27 Aug.
Hot-air engine. C. R. Macdonald	8827	2 Sept.
Hot-plates and electrical radiators. J. Chambers	8871	17 Sept.
Hot-water apparatus for household purposes. J. H. Walker	8499	13 May.
Hubs, &c., Cycle-. F. J. Osmond	9112	8 Dec.
Hydraulic elevator or mining pump. (See Pumps.)		
Hydraulic, Process of producing power. R. Wright	8514	22 May.
Hydraulic ram. C. Tindall and F. Biggs	8498	13 May.
Hydrocarbon lamp. E. Waters	8548	3 June.
Hydrocarbon motor. The Motive Power and Light Company (Limited)	8822	3 Sept.
Hydrocarbons and water, Appliance for mixing and spraying. W. S. Williams	8623	3 July.
Hydrocarbons, Apparatus for treating by means of heat. A. Seigle	8417	24 April.
Hydrocarbons. (See also Incandescent.)		
Hydrochlorine process of gold-saving. J. D. Anderson	8299	22 Feb.
Hydrocyanic acid. A. K. Huntington	8719	7 Aug.
Hygienic figure-support, Anatomical. A. G. Parry	8655	15 July.
Ice-cream, &c., Apparatus for producing. J. M. Brown and N. A. Joubert	8882	23 Sept.
Ice-making machine. (See Refrigerating.)		
Ice-safe. M. Kreissig	8825	5 Sept.
Idler-pulley or belt-rest. C. A. Arnold	8832	15 Aug.
Illuminating. (See Gas, Lamp.)		
Illumination, Phosphorescent electric. Moore Electrical Company	8215	22 Jan.
Imprinting machine. R. N. Adams	8681	2 July.
Incandescent gaslight-fittings. A. Vaughan	9079	27 Nov.
Incandescent gas-lighting, Burner for. W. R. Clay	8913	5 Oct.
Incandescent gas-lamp. J. G. Black	8861	12 Oct.
Incandescent lighting, Chemically-impregnated device for use in conjunction with Bunsen gas-burners for. L. Hooker	8439	28 April.
Incandescent oil-burner, Burning liquid hydrocarbons in conjunction with an incandescent hood to produce. W. and I. Darby and J. H. Punchard	9143	19 Dec.
Indiarubber, Process for solving and reintegrating vulcanised. E. Sefton	8863	16 Sept.
Indicating cost of goods sold by lineal measurement, Apparatus for. R. A. Bradbury	9155	23 Dec.
Inflatable wheel-tire. (See Tires.)		
Infuser, Tea-. E. M. Litchfield	8402	20 April.
Ink-bottle, with pen, pencil, and stamp-pouch, Pocket. J. Pool	8436	28 April.
Insetting- and trimming-machine combined. R. N. Adams	8778	29 July.
Insulating chambers or vessels, Means for. M. C. Bannister	8182	10 Jan.
Instructions to engine-drivers, Means for registering. F. W. Petre and A. A. Scully	8217	23 Jan.
Interarterial method of preserving meat. C. L. Villar	8176	4 Jan.
Interest. (See Calculating device.)		
Iron. (See also Box-iron, Glossing-iron, Ironsand, Soldering-iron, Steel.)		
Ironsand, Manufacturing steel and iron from. C. M. Pielsticker	8521	23 May.
Ironsand, Process for extracting iron from. N. Nicolson	9100	1 Dec.
Ironsand, Process for increasing product of iron or steel from. E. M. Smith	8711	6 Aug.
Ironsand, Process for smelting. E. M. Smith	8710	6 Aug.
Isolating telegraph- and telephone-wires. (See Telegraph.)		
Jack. (See Stump-jack.)		
Jacket. (See Oilskin.)		
Joining edges of metal plates, &c., useful in manufacture of pipes, Means for. M. Ferguson	8904	30 Sept.
Joint for metal pipes. J. Sands	9110	10 Dec.
Joint for rail. (See Rails, Railways.)		
Joint for rusticated weatherboarding. W. A. Waddell	8630	8 July.
Kerosene and water, Appliance for spraying. W. S. Williams	8623	3 July.
Key for lever-lock. M. Salvador	8732	11 Aug.
Kiln, Continuous. F. D. T. Lehmann and P. N. Kohlsaat	8817	3 Sept.
Kiln, Fruit-evaporating. L. J. Duffou	8287	19 Feb.
Knife attachment for scarifier or cultivator. G. Richardson	9097	2 Dec.
Knife-cleaner. E. R. Standfield	8872	18 Sept.
Knives, Apparatus for cleaning. O. Walter	8236	1 Feb.
Ladder, Step-. G. W. W. Lightband	8552	2 June.
Lamp. E. Waters	8548	3 June.
Lamp. J. S. Scarr	8829	7 Sept.
Lamp, Carriage-. A. E. Kent	8495	12 May.
Lamp, Electric arc. The Davy Electrical Construction Company (Limited)	8242	3 Feb.
Lamp, Electric, for cycle. T. G. Howden	9026	11 Nov.
Lamp, Flame-spreader and smoke-consumer for. D. Dunn, T. W. Lewis, and W. H. Harris	8896	26 Sept.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—continued.

Invention and Name of Inventor.	No.	Date.
Lamp, Incandescent gas-. J. G. Black	8861	12 Oct.
Lamp, Wick-adjusting device for carriage-. A. Billens	8592	19 June.
Landing-net, Telescopic. E. E. Collins	9127	10 Dec.
Lantern, lamp, or other light, Improvement in. J. S. Scarr	8829	7 Sept.
Lantern. (See also Lime-light, Magic-lantern.)		
Lard, Apparatus for subdividing. A. Billcliff	8959	7 Oct.
Last. W. J. Pallant	8403	20 April.
Last. R. J. E. Metzenthin	8690	25 July.
Lasting-machine. J. E. Bullard	8483	12 May.
Latch-fastener. A. Prior	9005	5 Nov.
Lathe, Venetian-blind. J. Manttan	9099	5 Dec.
Laundry-blue, &c., Box for. J. O. Egestorff	8668	22 July.
Laundry-strainer. W. F. Potts	8966	24 Oct.
Leaching, Process for extracting gold and silver from slimes by. J. Park and G. W. Horn	8271	11 Feb.
Lead and zinc, Process and apparatus for the production of, by electrolysis of melted chlorides. R. O. Lorenz	8191	10 Jan.
Leaf turner, Music-. W. J. Moffatt and E. A. Knapp	8489	12 May.
Leather articles, Machine for making. E. Spear and F. L. Middleton	9101	7 Dec.
Leather, Machinery for treating. J. Hall	9131	17 Dec.
Leggings, Fastening for. F. Ryding	8358	23 March.
Leggings, Fastening for. A. G. Howland	8476	8 May.
Letter-file. R. W. S. Clair	8409	17 April.
Letter-sheet and -wrapper combined. G. Barnes and F. P. Stevens	8788	24 Aug.
Levelling-head for tripod of theodolite. T. Peacock	8908	4 Sept.
Lever, Chain-gripping. D. Donald	8888	3 Sept.
Lever-cramp for flooring and lining. W. C. Page	8205	16 Jan.
Lever for cycle, Crank-. J. Speight	8312	2 March.
Lever-pedal for cycle. J. Speight	8285	20 Feb.
Lid-measurer. J. Eustace	8525	21 May.
Life-boat. C. Hibberd	8418	24 April.
Life-buoy line. D. Cunningham	8986	31 Oct.
Life-saving raft. W. J. Nankivell	8404	20 April.
Lifting machine, Weight-. D. Donald	8924	9 Oct.
Lifts, Life-grip for hydraulic. D. Robertson	9140	19 Dec.
Light. (See Acetylene, Burner, Electric, Gas, Incandescent, Lamp, Lantern.)		
Light, Means for obtaining. E. Tatham	8726	12 Aug.
Lighting cigars, &c., Means for. R. W. Rutherford and A. Jackson	8723	11 Aug.
Limb, Artificial. J. A. Packer	8321	28 Feb.
Lime and ashes distributor. J. Macalister	9007	15 Oct.
Lime-light apparatus, Combined gasometer, purifier, lantern-stand, and packing-case for. J. Knott	8762	17 Aug.
Lime-spreader. W. Chalmers	9077	25 Nov.
Lineal measurement, Apparatus for indicating cost of goods sold by. R. A. Bradbury	9155	23 Dec.
Lines, Appliance to assist in drawing. J. Warnock	8258	7 Feb.
Lining- and flooring-clamp. H. Childs	8518	22 May.
Lining and flooring, Lever-cramp for. W. C. Page	8205	16 Jan.
Lining for butter-box. E. Pontin	8742	15 Aug.
Link, Sleeve-. H. D. A. Reynolds	8379	31 March.
Link, Split, for repairing and lengthening chains. C. A. and T. H. Whimp	8202	13 Jan.
Linotype machine. O. Mergenthaler	8815	3 Sept.
Linotype machine. O. Mergenthaler	8842	14 Sept.
Linotype machine, Two-line letter knife attachment for. P. T. Balls	8628	6 July.
Liquid-measure. A. Bach	9069	28 Oct.
Liquid motive-power. (See Motive-power.)		
Liquids and gases, Apparatus for reducing pressure of. R. Matchett	9152	24 Dec.
Liquids, Apparatus for treating, by heat. A. Seigle	8416	24 April.
Liquids, Elevator for. E. F. Turner	8647	14 July.
Lock-engine, Tidal and river automatic. (See Engine.)		
Lock for bicycle-wheel. H. E. Lawrence	9129	15 Dec.
Lock for mail-bag straps. C. Wadey and A. W. Thomas	8672	22 July.
Lock for sash-fastener. E. D. Drake	9141	21 Dec.
Locking-nut. J. Evinof	9024	11 Nov.
Locking nuts on bolts, Means for. H. J. Wood	8440	27 April.
Locking nuts on cycle-chain bolts, Washer for. T. Boyd	8455	1 May.
Locking wheels of vehicles, Apparatus for. H. Hedge	8026	16 Jan.
Locking wheels of vehicles, Apparatus for. H. Hedge	8516	20 May.
Lock-nut. J. S. Woodhouse	9032	10 Nov.
Lock-nut. J. Arthur	9057	17 Nov.
Lock, Sash-. A. H. Wylds	8527	27 May.
Locomotive or other wheeled vehicle, Means for registering instructions to driver of. F. W. Petre and A. A. Scully	8217	23 Jan.
Logs, Slip for launching. N. Gibbons	9160	23 Dec.
Lotion. M. Forsman	8543	2 June.
Lubricator, Railway-axle. W. Silver	8325	4 March.
Machinery, Brake for. H. M. and J. Copeland	8804	1 Sept.
Machine, Sheep-shears. (See Sheep-shears.)		
Magic-lantern, Film-carrier for. G. Hamlin	8232	29 Jan.
Mailable matter and mail receptacles, Instrument for encasing. H. N. McLeod	8999	16 Oct.
Mail-bags, Buckle and fastener for. L. Lawson	9081	25 Nov.
Mail-bag straps, Lock for. C. Wadey and A. W. Thomas	8672	22 July.
Mains, &c., Connecting device for. F. Albrecht	8508	19 May.
Mains or pipes, Appliance for scraping interior of water or other. H. J. I. Bilton and T. Timmins	8720	7 Aug.
Mains or pipes, Thimble and hatch-box for. H. J. I. Bilton and T. Timmins	8807	1 Sept.
Manganese pulveriser. W. Walker	9003	28 Oct.
Manure and seeds, Apparatus for sowing. A. Thomson	8184	4 Jan.
Manure- and seed-sower. J. C. Naismith	9070	23 Nov.
Manure- and seed-distributor. A. M. Perry	8407	22 April.
Marble, Artificial. W. Owen	8903	30 Sept.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention and Name of Inventor.	No.	Date.
Marine-engines, Method of and electrical apparatus for automatically cutting off steam from and thus preventing "racing" of. The Folk-Ellis Patent Marine Governor and Safety Cut-off Company (Limited).	8597	24 June.
Marine propulsion, Mechanism for and mode of. S. Lawrence.. ..	8502	18 May.
Mark, Book-. F. W. Sears and A. D. Willis	8699	31 July.
Marking carcases of animals, Apparatus for. J. Smythe	8663	21 July.
Marking cattle, &c., Method and means of. W. Rainbow	8886	22 Sept.
Marking meat, Electric apparatus for. A. Smith	8680	22 July.
Marking sheep, &c., Apparatus for. G. W. Shailer and W. L. Luxford	8686	27 July.
Marking sheep, &c., Appliance for. H. W. Potter and S. Frankel	8434	28 April.
Marking. (See also Branding.)		
Mash-tun "draff" or "spent grains," Utilisation of brewers' and distillers'. R. D. Bailey and L. P. Ford	8481	12 May.
Match-box, tobacco-cutter, and pipe-cleaner, Combined. P. Ellis	9011	3 Nov.
Matches, Machine for making. J. P. Wright	8755	18 Aug.
Matches, Machine for making. E. B. Beecher and J. P. Wright	8828	7 Sept.
Match-striker. J. Gaut	9086	2 Dec.
Meal- or flour-tester. P. C. K. Young	8883	5 Sept.
Measure for liquids, to be screwed on mouth of tap. A. Bach	9069	28 Oct.
Measurer, Lid-. J. Eustace	8525	21 May.
Measuring-tape. H. J. Wood	8368	25 March.
Measuring. (See also Bags, Bagging.)		
Meat and produce, Apparatus for and method of thawing frozen. W. Peck	8568	11 June.
Meat and produce, Apparatus for thawing frozen. W. Peck	8736	15 Aug.
Meat, Electric apparatus for marking, stamping, searing, burning, or cutting. A. Smith	8680	22 July.
Meat, Extract of. J. W. B. Abel	8942	19 Oct.
Meat, Freezing, under pressure. J. Gilmour	8859	15 Sept.
Meat, Means for preserving frozen. J. A. Linley	8460	4 May.
Meat, Method of and apparatus for freezing. F. G. M. Brittin and B. W. Glass	9071	24 Nov.
Meat, Process and means for chilling and curing. W. Broome.. ..	8386	7 April.
Meat, Process for curing. J. Gilmour	8811	31 Aug.
Meat, Process for preserving frozen. F. A. Furlonge	8753	17 Aug.
Meat, &c., Process and apparatus for preserving. J. C. Cairns.. ..	8794	18 Aug.
Meat. (See also Preserving.)		
Medical bath, Electric. J. R. and A. Hare	8449	29 April.
Medicinal, disinfectant, and bleaching fluid. A. W. Meeks	8255	6 Feb.
Medicine. (See Lotion, Toothache-cure.)		
Menu- or wine-card stand. A. H. Light	8221	27 Jan.
Mercantile bulletin, tram-guide, and directory. F. Thompson	8583	16 June.
Mercury, Apparatus for extracting gold by means of. J. S. Butler	8633	8 July.
Mercury, Machine for saving gold by aid of. G. Dillberg and W. Walker	9001	4 Nov.
Mercury, Process for preventing sickening of, in amalgamators. J. T. Penny and J. Dungey	8356	20 March.
Mercury vapour process, Apparatus for use with a. E. L. Oppermann	8906	30 Sept.
Metal castings, moulds, and tubular castings. A. G. Brown	8814	3 Sept.
Metal-shearing machine. J. Sands	8485	12 May.
Metalliferous ores, Process for treating. E. A. Ashcroft	8955	23 Oct.
Metal-polish. D. W. Jackson.. ..	8972	26 Oct.
Metals, Apparatus for extracting precious. J. B. Torres	8210	23 Jan.
Metals, Apparatus for and method of extracting, from ores. W. G. M. Foote and O. P. Clayton	8715	6 Aug.
Metals, Apparatus for obtaining precious, from ores. L. Pelatan and F. Clerici	8252	6 Feb.
Metals, Apparatus for recovering, from solutions. H. L. Sulman	8770	21 Aug.
Metals, Dredging apparatus for. H. Park	8472	8 May.
Metals, Extracting. W. H. James and C. J. Norris	8713	6 Aug.
Metals, Extracting, from ores. J. Mactear	8752	17 Aug.
Metals, Extracting precious, and producing materials to be used for that purpose. A. E. Morgans	8175	7 Jan.
Metals, Method and apparatus for extracting precious, from slimes, &c. D. White and T. M. Simpson	8997	4 Nov.
Metals, Method of and apparatus for recovering, from slimes and tailings. S. S. and A. H. O. Osborn	8816	3 Sept.
Metals, Obtaining precious, from solutions. The Cassel Gold-extracting Company (Limited)	8185	10 Jan.
Metals, &c., Apparatus for frosting. F. Stent	8999	4 Nov.
Metals, Process for extracting, from ores. S. Pappriil, E. J. Watts, and R. H. J. Reeves	9162	31 Dec.
Metals, Process for extracting, from ores by means of antimony. J. Woolford	8865	17 Sept.
Metals, Process for extracting, from pyritic ores by means of chlorine. O. Frölich	8782	24 Aug.
Metal strips or sheets, Means for use in the production of, by electro-deposition. S. O. Cowper-Coles	8459	4 May.
Metals. (See also Gold, Ores, Zinc, &c.)		
Meter. (See Coin-freed meter.)		
Milk aëerator. C. J. Robinson	8178	8 Jan.
Milk aëerator. C. B. Gabb	8968	9 Oct.
Milk aëerator and cooler. C. Cooper	9094	2 Dec.
Milk and cream, Apparatus for cleansing, cooling, and aërating. R. Reyburn and E. Denham	8943	19 Oct.
Milk and food, Process and apparatus for preserving, by sterilisation. A. J. Vause	8483	28 April.
Milk, Apparatus for and process of aërating, pasteurising or sterilising, and cooling. A. J. F. de Bavy	8819	3 Sept.
Milk, Apparatus for and process of condensing and sterilising. R. C. and A. M. Lindsay	8599	25 June.
Milk, Apparatus for and process of converting into a marketable commodity skim-. D. Munro	8268	11 Feb.
Milk, Apparatus for cooling or heating. G. Smart	8977	27 Oct.
Milk, Apparatus for sterilising, by means of steam. A. T. Pfeiff	9037	14 Nov.
Milk, &c., Apparatus for use in aëration of. W. Luplau	8917	6 Oct.
Milking-bucket. C. F. Cooper and J. E. Mansfield	8698	31 July.
Milking-machine. H. J. Cunningham and H. R. W. Hamilton	8801	27 Aug.
Milking-machine, Teat-tube connections for. L. Davies	8263	8 Feb.
Milk products, Condensed-. W. F. Maclaren and A. S. Fleming	8912	5 Oct.
Milk. (See also Churns, Cream.)		
Mill; Pulverising. A. V. Young	8290	21 Feb.
Mills. (See also Windmill.)		

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention and Name of Inventor.	No.	Date.
Minerals, &c., Apparatus for conveying. C. Thompson	8381	1 April.
Mines, Method of and apparatus for counterbalancing haulage-ropes in. G. Lansell	9045	17 Nov.
Mines, Process for preventing explosions in. W. R. Townsend	8874	21 Sept.
Mining-cage. (See Cage.)		
Mining, Gold-, &c. (See Gold.)		
Mining-pump. (See Pumps.)		
Mixing kerosene, &c., and water and spraying same, Appliance for. W. S. Williams	8623	3 July.
Mixture for cleansing trees from parasites. W. Wheelband	8935	13 Oct.
Motive-power, Hydraulic apparatus for increasing and transmitting applied. W. Agar	8918	7 Oct.
Motive-power, Liquid. R. T. Clark and N. I. Gooder	8798	29 Aug.
Motor, Electric. J. Vaughan-Sherrin	8927	10 Oct.
Motor-carriages, -cycles, &c., Apparatus for automatically signalling when a predetermined speed is attained on. J. Clements	9136	17 Dec.
Motor-carriage, Propelling-gear for. E. A. Ashcroft	8805	1 Sept.
Motor, Crankless driving-gear for. F. R. Trevithick and E. H. Barber	8602	22 June.
Motor-engine, applicable to propulsion of auto-cars, &c. A. Berrenberg and J. Howard	9148	23 Dec.
Motor, Hydro-carbon. The Motive-power and Light Company (Limited)	8822	3 Sept.
Motors and mechanism of auto-vehicles. H. Austin	8868	18 Sept.
Motors, Means for regulating. C. G. P. de Laval	8432	28 April.
Motor-wheel. (See Wheels.)		
Moulding butter. (See Butter.)		
Moulds for metal castings. A. G. Brown	8814	3 Sept.
Mower, Connecting-rod for. D. J. Crosby	8617	2 July.
Musical instruments. (See Pianoforte, Violin.)		
Music-leaf turner. W. J. Moffat and E. A. Knapp	8489	12 May.
Nail. W. Carson	8318	2 March.
Necktie, bow, &c., Method of securing. S. Lever	8806	1 Sept.
Needle, Tufting-, for embroidery-work. W. H. Beale	8625	4 July.
Needle, Woolworking-. R. Elston	8960	8 Oct.
Nickel-ores, Apparatus for treating, with carbon-monoxide. L. Mond	8209	23 Jan.
Non-refillable bottle. (See Bottles.)		
Nozzle for spraying-machine. J. Black	9125	16 Dec.
Nut for bolt. J. S. Woodhouse	8991	28 Oct.
Nut, Locking-. J. Evinof	9024	11 Nov.
Nut, Lock-. J. S. Woodhouse	9032	10 Nov.
Nut, Lock-. J. Arthur	9057	17 Nov.
Nut of plough-wheel bearings, Means for securing. J. Dalziel	8722	8 Aug.
Nuts on bolts, Means for locking. H. J. Wood	8440	27 April.
Nuts on cycle-chain bolts, Washer for locking. T. Boyd	8455	1 May.
Oil-box for axles. W. Dalton	8488	12 May.
Oil-engine. G. J. Altham	8613	2 July.
Oil-engine, Vaporiser for. A. Barker	8389	8 April.
Oil-gas, Apparatus for distillation of. A. Seigle	8417	24 April.
Oilskin coat or jacket. M. E. Wiig	8756	18 Aug.
Ointment. R. Davies, sen.	8426	28 April.
Ore, Apparatus for concentrating, classifying, and grading. W. H. Coward	8218	25 Jan.
Ore, Apparatus for crushing and pulverising. C. D. Jenkins	8929	10 Oct.
Ore, Apparatus for grading and removing dust from pulverised. H. Pape and W. Henneberg	9106	7 Dec.
Ore-crusher and -grinder. (See Crushers.)		
Ore-dressing and gold-separating, Dry-process of and apparatus for. C. Phillips	8671	22 July.
Ore, Extracting gold from. W. Majert	8380	31 March.
Ore, Extracting metals from. J. Mactear	8752	17 Aug.
Ore, Extracting precious metals from. W. H. James and C. J. Norris	8713	6 Aug.
Ore, Method of and apparatus for extracting metals from. W. G. M. Foote and O. P. Clayton	8715	6 Aug.
Ore, Method of and apparatus for extracting gold and silver from. O. C. Heiden	8462	4 May.
Ore, Method of and apparatus for treating refractory gold- and silver-. J. Campbell	8898	22 Sept.
Ore, Plant and process for smelting auriferous antimony-. C. C. Longridge and G. T. Holloway	8870	18 Sept.
Ore, Process and apparatus for reducing or smelting. E. E. Lungwitz	8480	12 May.
Ore, Process and apparatus for treating gold- and silver-. A. de C. Scott	8510	21 May.
Ore, Process and apparatus for extracting gold from. J. G. Murphy	8746	17 Aug.
Ore, Process for electrolytic production of zinc from. G. Erlwein and M. Voigt	8338	11 March.
Ore, Process for extracting metals from. S. Pappirill, E. J. Watts, and R. H. J. Reeves	9162	31 Dec.
Ore, Process for extracting metals from, by means of antimony. J. Woolford	8865	17 Sept.
Ore, Process for extracting metals from, by means of chlorine. O. Frölich	8782	24 Aug.
Ore, Process for extracting gold and silver from. K. A. May	9102	7 Dec.
Ore, Process for obtaining gold and silver from. J. Park and E. H. Whitaker	8281	14 Feb.
Ore, Process for saving gold from refractory. F. White	9056	17 Nov.
Ore, Process for treating metalliferous. E. A. Ashcroft	8955	23 Oct.
Ore, Process for treating refractory. A. L. Lockwood	8302	26 Feb.
Ore, Process for treating zinciferous. E. T. Turner	8649	14 July.
Ore, Regenerative process for treatment of argentiferous sulphide. E. F. Turner	8598	24 June.
Ore-roasting furnace. I. Lewis	8279	18 Feb.
Ore-separator. J. W. Carter	8524	23 May.
Ore, Treating. E. B. J. Knox	8629	6 July.
Ore, Treating complex sulphide. F. Ellershausen	8916	6 Oct.
Ore, Treating sulphide. F. Ellershausen	8843	14 Sept.
Ore, Treating sulphurised. J. C. Butterfield	8841	14 Sept.
Ore, Treating zinc-. E. A. Ashcroft	8677	22 July.
Ore, Treating zinc-. E. A. Ashcroft	8697	31 July.
Ore, Treating zinc-. E. A. Ashcroft	8786	24 Aug.
Ore, Treating zinc- and copper-. W. E. Hughes	8844	15 Sept.
Ore-treatment gas-shaft furnace. (See Furnaces.)		
Ores. (See also Classifying, Concentrator, Disintegrating, Gold, Grading, Metals, Nickel, Reducing rock.)		
Organ, Device to assist in playing accompaniments on piano or. A. H. Hathway	8414	22 April.
Oven. J. S. Chalmers and J. G. Seymour	8352	20 March.
Oxide. (See Zinc.)		

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention and Name of Inventor.	No.	Date.
Oxidizing-furnace. (See Furnaces.)		
Pad for hats, &c. H. J. Wood	8425	22 April.
Pad, Horse-. C. S. White	8774	20 Aug.
Pad, Horse-collar. C. S. White	8823	3 Sept.
Pads for cricket, football, or boxing. A. R. McDonald	8907	17 Sept.
Paint, Enamel. G. W. N. Hamilton	8716	6 Aug.
Paint. F. White and J. Thomson	8505	15 May.
Pan-closet. (See Closet.)		
Paper-cabinet. T. S. Royds	8372	24 March.
Paper-cabinet. T. S. Royds	8468	4 May.
Paper-file. D. Moore-Jones	8839	9 Sept.
Paper-holder, Sanitary. W. Davidson and S. G. Smith	8838	12 Sept.
Paper-holder, Sanitary. W. Davidson and S. G. Smith	9038	16 Nov.
Paper-tubes, Machine for securing seams of. The American Tobacco Company of New Zealand (Limited)	8492	13 May.
Paraffin, Means for removing superfluous, from articles dipped therein. J. S. Beeman	8189	10 Jan.
Pasteurising milk. (See Milk.)		
Patterns upon materials, Method of marking and arranging. R. Greenhalgh	8615	2 July.
Paving roadways, Method of tarring and delivering wood blocks for. B. M. Gibson and J. H. Amora	8724	12 Aug.
Pedal for cycle, Lever-. J. Speight	8285	20 Feb.
Peg. (See Clothes-peg.)		
Pencil. Eagle Pencil Company	8289	21 Feb.
Pencil-scribe. E. F. Saulez	8862	16 Sept.
Perambulator and cradle, Convertible. E. R. Godward	8941	12 Oct.
Perforator for perforating tape used in the Wheatstone automatic-telegraph system. G. Aitkens	8971	26 Oct.
<i>Phormium tenax.</i> (See Flax.)		
Phosphorescent electric illumination. Moore Electrical Company	8215	22 Jan.
Photograph or picture, Draped. A. Potter	8395	8 April.
Photograph, Embossed. F. A. Taber	8559	6 June.
Photograph, Embossed or bas-relief. A. Martin	8946	20 Oct.
Photographic rocker and washer. J. Gordon-Jones	9103	7 Dec.
Photographic time and position race-recorder, Electric. J. Gaut	9068	26 Nov.
Pianoforte and stringed instruments. D. Mayer	8928	10 Oct.
Piano or organ, Device to assist in playing accompaniments on. A. H. Hathaway	8414	22 April.
Pick and shovel, hoe, or like tool, Combined. W. H. Sharpington	8243	3 Feb.
Picture-frame cramp. L. Schmoll	8812	1 Sept.
Picture, Draped. A. Potter	8395	8 April.
Pin. (See Hairpin.)		
Pipe-cleaner, tobacco-cutter, and match-box, Combined. P. Ellis	9011	3 Nov.
Pipe, Tobacco-. E. Henwood	8452	30 April.
Pipes, appliance for scraping interior of water-. H. J. I. Bilton and T. Timmins	8720	7 Aug.
Pipes, thimble and hatch-box for. H. J. I. Bilton and T. Timmins	8807	1 Sept.
Pipes, Joint for metal. J. Sands	9110	10 Dec.
Pipes, Junction or connection for drainage-. P. Hutson	8660	21 July.
Pipes and cylinders, Machinery for punching and riveting. J. Sands	8485	12 May.
Pipes, Means for joining edges of metal. M. Ferguson	8904	30 Sept.
Pistol. (See Rifle, Pistol, &c.)		
Plates, means for joining. M. Fergusson	8904	30 Sept.
Plough. W. H. G. Greaves	9135	17 Dec.
Plough, Adjustable furrow-cutter and packer for. J. G. Harvey	8761	17 Aug.
Plough, Combined riding-, horse-hoe, and single-row drill-. G. Osborne	8996	30 Oct.
Plough, Disc-. Deere and Co.	8316	2 March
Plough, Double-action deepening-adjust for. J. Gray	8571	10 June.
Plough, Furrow-slicer for attachment to. T. E. Keetley	8638	11 July.
Plough, Lever drain-. J. Robertson	8470	6 May.
Plough, Mechanism for adjusting and steering furrow-wheels of. Massey-Harris Company (Limited)	8420	24 April.
Plough, Pulverising attachment for. A. W. Legg	8834	10 Sept.
Plough, Pulverising attachment to. E. M. McLauchlan	8992	1 Oct.
Plough, Rotary disc-. G. Spalding and J. S. Robbins	8831	8 Sept.
Ploughshare, Plate-metal. J. Cook	9043	17 Nov.
Plough-wheel and -axle. W. Higgins and J. Storrier	8556	4 June.
Plough-wheel bearings, Means for securing adjusting-nut of. J. Dalziel	8722	8 Aug.
Pneumatic boat. W. Wiggins	8636	8 July.
Pneumatic pad for hat, &c. H. J. Wood	8425	22 April.
Pneumatic privy-seat. A. E. Otway	8373	24 March.
Pneumatic spring for bicycle. (See Bicycles.)		
Pneumatic stuffing for carriages and furniture. A. R. McDonald	8836	29 Aug.
Pneumatic tire. (See Tires.)		
Pocket tea-flask. G. R. Skinner	8233	28 Jan.
Poison. (See Rabbit-poison.)		
Poisoned grain, Machine for depositing, in furrows. N. R. Munro	8769	21 Aug.
Polish for boots, harness, &c., Waterproof. A. Howe and S. H. Lees	9159	23 Dec.
Polishing compound for metals. D. W. Jackson	8972	26 Oct.
Pollard-poison cutter. L. Hayes	8641	14 July.
Postage price- and weight-indicator. H. J. Thomson	8821	4 Sept.
Postage price- or weight-indicator for weighing-machines. H. J. Thomson	9004	5 Nov.
Postal-wrapper. A. D. Willis	8919	7 Oct.
Postal-wrapper and letter-sheet, Combined. G. Barnes and F. P. Stevens	8788	24 Aug.
Potato-digger and -bagger. F. Lambert	8611	30 June.
Pot-cleaner. A. L. J. Tait	8448	23 April.
Pot-cleaner. G. J. Carter	8587	8 June.
Power, Method for producing, by hydraulic process. R. Wright	8514	22 May.
Precious metals. (See Metals.)		
Precipitation. (See Gold, Metals, Ores, Silver.)		
Preserving dairy-produce, eggs, fruit, meat, fish, &c., Process and apparatus for. J. C. Cairns	8794	18 Aug.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention and Name of Inventor.	No.	Date.
Preserving frozen meat, Means for. J. A. Linley	8460	4 May.
Preserving frozen meat and produce, Process for. F. A. Furlonge	8753	17 Aug.
Preserving fruit, Composition for. The Friend's Steam-generator and Imporous Butter-box Company (Limited)	8995	30 Oct.
Preserving fruits, &c., Process for. J. M. Smart	8173	3 Jan.
Preserving meat, &c., in a vacuum, Process for. W. Stoddart	9123	16 Dec.
Preserving meat, Method of. C. L. Villar	8176	4 Jan.
Preserving meat. (See also Meat.)		
Preserving milk, &c., by sterilisation, Process and apparatus for. A. J. Vause	8433	28 April.
Preserving rails and sleepers, composition for. W. T. Owen and T. Thatcher	8201	13 Jan.
Preserving. (See Antiseptic.)		
Preserving-tin. J. Durston	9082	1 Dec.
Press, Baling-. S. Dodge	8781	20 Aug.
Press for compressing shavings for fuel. J. Russell	8565	8 June.
Press for trussing straw. S. Dodge	8367	25 March.
Pressing and draining wet wool. (See Wool.)		
Pressing fat. J. Paddy and W. Mallandine	8657	20 July.
Pressure of liquids and gases, Apparatus for reducing. R. Matchett	9152	24 Dec.
Pressure-reducing apparatus, Differential. C. G. P. De Laval	8431	28 April.
Price-indicator. H. J. Thomson	8821	4 Sept.
Price-indicator. H. J. Thomson	9004	5 Nov.
Printing and measuring the material employed in making bags, Machine for. C. E. Fisher	8792	24 Aug.
Printing. (See Imprinting, Insetting and trimming, Linotype.)		
Privy-seat, Pneumatic. A. E. Otway	8373	25 March.
Projectile. J. P. Millington	8845	16 Sept.
Prop for bicycle. A. J. Cuming	9095	2 Dec.
Propelling bicycles and tricycles by manual power, Mechanism for. C. J. Hill	8477	9 May.
Propelling boats, Appliance for. J. McClatchy	9036	16 Nov.
Propelling cycles, boats, carriages, and balloons by manual power. C. J. Hill	8371	27 March.
Propelling. (See also Cycles, Driving-gear.)		
Propulsion, mode of marine. S. Lawrence	8502	18 May.
Protector. (See Bat-blade-Protector, Book-protector, Boot-protector, Clothes-protector, Finger-protector, Fire-protector, Go-carriage-protector.)		
Pulley, Guiding-, for hauling logs, &c. W. R. Brownlee	8676	22 July.
Pulley- or belt-rest. C. A. Arnold	8832	15 Aug.
Pulveriser. T. Parker	8532	28 May.
Pulveriser for reducing manganese, hematite, &c. W. Walker	9003	28 Oct.
Pulverising-mill. A. V. Young	8290	21 Feb.
Pulverising-. (See also Crushing, Disintegrating, Ore, Plough, &c.)		
Pump. R. Cockerell	8542	1 June.
Pump. P. H. Pritchett	8564	3 June.
Pump. R. Tomline and W. Angus	9020	7 Nov.
Pump and commode combined, Water-flush. J. Harrow	8793	25 Aug.
Pump, Air- and water-. A. E. Luttrell and A. H. Griffith	8465	4 May.
Pump, Case for velocipede-. W. M. Schlesinger	9104	7 Dec.
Pump, Connecting-rod for. D. J. Crosby	8617	2 July.
Pump for mining, &c. G. Lansell	8212	23 Jan.
Pump, Hydraulic-elevator or mining-. G. Lee	8639	15 June.
Pump, Relief-valve in. R. Cockerell	8853	16 Sept.
Pump, Rotary-. G. S. Luttrell	9156	29 Dec.
Pump, Rotary driving-gear for. R. Cockerell	8475	11 May.
Pump, Spray-. W. H. Price	8688	25 July.
Punching and riveting pipes and cylinders, and shearing metal, Machine for. J. Sands	8485	12 May.
Puzzle. W. B. Ballantine, jun.	8944	19 Oct.
Quartz, &c., Process and means for disintegrating. A. Gutensohn	8749	17 Aug.
Rabbit-burrows, Machine for generating and forcing fumes into. N. R. Munro	8768	21 Aug.
Rabbit-gate, Self-setting. P. O. K. Young	8284	17 Feb.
Rabbit-poisoning, Fumigator for. J. Charleston	8180	4 Jan.
Rabbit-trap. J. Campbell	8401	20 April.
Rabbit-trap. H. Ashworth	8423	24 April.
Rabbit-trap. C. B. and J. N. Duff	8507	18 May.
Rabbit-trap. H. T. Selwood and G. F. Trew	8558	6 June.
Rabbit, &c., trap. J. H. Jenkins and E. B. Gichard	8375	31 March.
Race-recorder, Electric. J. Gaut	8528	26 May.
Race-recorder, Electric. J. Gaut	3068	26 Nov.
Race-starting machine, Pedestrian. B. A. Laurie	8962	21 Sept.
Race-starting. (See also Starters, Starting-machine.)		
Radiant-heat bath. J. H. Kellogg	8429	28 April.
Radiators. (See Electrical radiators.)		
Raft. W. J. Nankivell	8404	20 April.
Rail-joint. J. S. Woodhouse	8572	11 June.
Rails, Method of joining. J. A. Belk	8354	20 March.
Rails, Spanner for screwing or unscrewing gang-bolts connecting sleepers to. A. C. Koch	8347	11 March.
Railway ambulance-stretcher carrier. S. H. Dawson	8249	1 Feb.
Railway-axle lubricator. W. Silver	8325	4 March.
Railway-carriage coupling. R. Haub	9137	17 Dec.
Railway-carriages, &c., Electric lighting and heating and ventilation of. E. J. Preston and A. B. Gill	8377	31 March.
Railway-carriages, Apparatus for securing doors of. P. O. Griffiths	8809	2 Sept.
Railway-carriage sash-windows, Means of supporting. E. J. and V. W. Hill	8824	3 Sept.
Railway rolling-stock. F. W. Shurman and J. H. Champness	8708	6 Aug.
Railways, Composition for destroying vegetation on and preserving timber and rails of permanent way of. W. T. Owen and T. Thatcher	8201	13 Jan.
Rail-fastenings. F. Ottaway	8247	4 Feb.
Railways, Method of joining rails of. J. A. Belk	8354	20 March.
Railway-train, Means for registering instructions to driver and indicating position of. F. W. Petre and A. A. Scully	8217	23 Jan.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—continued.

Invention and Name of Inventor.	No.	Date.
Rain-water separator. J. H. Harper	8396	1 April.
Rain-water separator. J. H. Harper	8950	20 Oct.
Ram, Hydraulic. C. Tindall and F. Biggs	8498	13 May.
Range or stove. E. R. Cahoon	8717	7 Aug.
Rape- and turnip-sower. J. Macalister	8584	12 June.
Ready-reckoner for scales. M. Belk	8456	2 May.
Reaper and binder, Feeder-apron for. C. D. Lightband	8444	29 April.
Reaper and harvester. J. C. Moore	8669	22 July.
Reaper, Connecting-rod for. D. J. Crosby	8617	2 July.
Receptacle for beer, &c. G. W. Shailer	8501	16 May.
Recorder for races, &c., Electric photographic time- and position-. J. Gaut	9068	26 Nov.
Recorder, Electric race-. J. Gaut	8528	26 May.
Reducing ores. (See Ores.)		
Reducing or disintegrating hard substances, Apparatus for. A. Jordan	8632	8 July.
Reel for skeins of wool, &c. R. Chambers	8860	17 Sept.
Refilling of bottles, &c., Preventing. (See Bottles.)		
Refractory ores. (See Ores.)		
Refrigerating and ice-making machine. A. McVicar and W. K. White	8207	17 Jan.
Refrigerating apparatus. The Economical Refrigerating Company	8522	23 May.
Refrigerating chamber, Apparatus for indicating and registering every time a given maximum or minimum temperature is reached in. F. Arenas	9142	17 Dec.
Refrigerating. (See also Air compressor, Cooling, Freezing, Ice-making, Preserving.)		
Rein, Carriage-horse check-. T. H. Hodge	8658	20 July.
Removing solid matter from water, &c., Apparatus for automatically. J. F. Stephenson	8667	22 July.
Rent. (See Calculating device.)		
Ridger, Rotary disc-. J. Macalister	9028	6 Nov.
Riding-plough. (See Plough.)		
Riding-clothes. M. T. McGrath	8265	11 Feb.
Riding-gallery, Working figures on steam. W. J. McManus	8270	12 Feb.
Rifles, pistols, and fowling-pieces, Thumb-trigger and thumb-trigger guard for. P. S. Smallfield and F. H. Way	8701	29 July.
River automatic lock-engine, Tidal and. (See Engines.)		
River-beds, Apparatus for obtaining gold from. W. Aitken, jun.	9000	4 Nov.
River-beds, Submergible apparatus for obtaining material from. C. J. Ball	8378	31 March.
Rivers, Gold-saving apparatus for. W. B. Walters	8437	28 April.
Rivers, &c., Method and means of dredging. I. Lewis	8278	18 Feb.
Rivet bending attachment for belt-stitching machine. C. D. Lightband	8537	27 May.
Riveting pipes. (See Punching.)		
Road scoop handle. W. Brown	9087	27 Nov.
Roads, Machine for breaking up surfaces of. H. Morrison	8707	6 Aug.
Roadways. (See Paving.)		
Roasting- and oxidizing-furnace. (See Furnace.)		
Rock-crushing and grinding apparatus. Kinkead Mill Company	8616	2 July.
Rock-drills, Method of and apparatus for sharpening. T. H. Bradbury	8253	6 Feb.
Rod, Connecting-. D. J. Crosby	8617	2 July.
Rods, Device for securing, to plates. F. Albrecht	8508	19 May.
Roller-bearings. W. H. Woodcock	9132	17 Dec.
Roller, Blind-. E. A. Powell	8644	14 July.
Roller-slip or way for launching timber logs into the sea over exposed beach. N. Gibbons	9160	23 Dec.
Rolling stock. (See also Railway.)		
Rolling-stock, Under-gear of. P. Ellis	8780	20 Aug.
Rotary driving-gear for pumps, dredges, &c. R. Cookerell	8475	11 May.
Rotary engine. G. A. Ritson	8464	5 May.
Rotary motor-wheel. (See Wheels.)		
Rot-proof dressing for textiles. (See Waterproof.)		
Rusticated weather-boarding, Joint for. W. A. Waddell	8630	8 July.
Saddle, Cycle-. C. Jacob	8852	16 Sept.
Saddle, Cycle-. F. G. Shields	8857	14 Sept.
Saddle for bicycle. J. R. Purdy	9041	17 Nov.
Saddle for velocipede. S. Pattisson	8523	23 May.
Saddle. (See also Seat.)		
Safe, Ice-. M. Kreissig	8825	5 Sept.
Safety-gear for mining-cages. J. Hillman	8998	4 Nov.
Safety life-grip for lifts, &c. D. Robertson	9140	19 Dec.
Sanitary-paper holder. W. Davidson and S. G. Smith	8838	12 Sept.
Sanitary-paper holder. W. Davidson and S. G. Smith	9038	16 Nov.
Sash and frame, Window. F. de J. Clere	8692	30 July.
Sash-fastener. W. Howson	8301	26 Feb.
Sash-fastener, Anti-rattler and. W. J. Dalton	8336	5 March.
Sash-fastener. (See Window.)		
Sash-fastener lock. E. D. Drake	9141	21 Dec.
Sash-lock. A. H. Wylds	8527	27 May.
Sashes, Method and means of hanging. W. Howson	8360	25 March.
Saving gold. (See Gold.)		
Saw-frame, Rocking. E. L. Clark	8297	21 Feb.
Scales, Ready-reckoner for. M. Belk	8456	2 May.
Scales, Weight- and cost-indicating apparatus for spring-balance. H. J. Wood and W. Thomson	8361	25 March.
Scarifier or cultivator, Knife attachment to. J. Richardson	9097	2 Dec.
Scoring-board for cycling and other sports. W. H. N. Steed	8956	23 Oct.
Scraping flax. (See Flax.)		
Screening auriferous sand or washdirt. W. Morton	8563	5 June.
Scrubber, Deck- and floor-. J. W. Buckley	8364	26 March.
Scrubbing floors, Machine for washing, cleansing, and. J. E. and W. J. Gee	8392	9 April.
Seal for envelopes, &c. A. H. Krause	8194	11 Jan.
Seamless boot. W. J. Pallant	8705	4 Aug.
Seamless loops and other leather articles, Machinery for making. E. Spear and F. L. Middleton	9101	7 Dec.
Seams of paper tubes, especially adapted for cigarette-wrappers, Machine for securing. The American Tobacco Company of New Zealand (Limited)	8492	13 May.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention and Name of Inventor.	No.	Date.
Seat for bicycle. J. Myers	8980	28 Oct.
Seat for bicycle. J. Thomson.. .. .	8988	31 Oct.
Seat, Pneumatic privy-. A. E. Otway	8373	25 March.
Seat, Trap-. J. J. Penman	8298	22 Feb.
Seat. (See also Saddle.)		
Secondary-battery plates, Active material for. The Sussmann Electric Miners' Lamp Company (Limited)	9042	17 Nov.
Secondary- or storage-battery. A. Preiss	8727	12 Aug.
Seed- and manure-sower. A. Thomson	8184	4 Jan.
Seed-dressing machine, Portable. W. Andrews and A. W. Beaven	8855	11 Sept.
Seed-drill. A. Marsh	8693	27 July.
Seed-drill, Attachment to. A. Marsh	8694	27 July.
Seed-drill, Cultivator and. C. McLeod	8487	12 May.
Seed drill, Turnip-. P. Genn	8467	6 May.
Seed- or manure-distributor. A. M. Perry	8407	22 April.
Seed- or manure-sower. J. C. Naismith	9070	23 Nov.
Seed-sower. S. Hardley, sen.	8796	10 Aug.
Seed, Grass-, stripper. F. W. Page	8577	13 June.
Semaphore. J. S. Kirkpatrick	8466	7 May.
Separator. (See Ore-separator, Rain-water separator, Telegraph-wire separator.)		
Sewage, Method of and apparatus for raising. W. Tyree	8978	27 Oct.
Sewing, Finger-protector for use when. A. J. Park	8601	26 June.
Sewing-machine. The Cutlan Patent Sew-round Machine Syndicate (Limited)	9017	7 Nov.
Shade for window. D. Darke	8245	3 Feb.
Shafts for vehicle, and harness to be used therewith. W. A. Bromwich and C. A. Floyd	8251	4 Feb.
Share. (See Ploughshare.)		
Sharpeners, Edge-tool. C. L. Daniel	8250	5 Feb.
Sharpening rock-drills. (See Rock-drills.)		
Shearing metal, Machine for. J. Sands	8485	12 May.
Shears. (See Sheep-shears.)		
Sheep. (See Branding, Marking.)		
Sheep, &c., Apparatus for marking. G. W. Shailer and W. L. Luxford	8686	27 July.
Sheep, &c., Appliance for branding. H. W. Potter and S. Frankel	8434	28 April.
Sheep, Device for straightening and holding neck and forelegs of carcasses of. T. Simson	8893	26 Sept.
Sheep-dip powders. F. W. Passmore and Jeyes' Sanitary Compounds Company (Limited)	8867	18 Sept.
Sheep-shearing machine. J. G. Packe and F. E. B. Joynson	8648	14 July.
Sheep-shears, Machine. S. M. Hawkins	8547	3 June.
Sheep-shears, Machine, and motive-power connected therewith. J. Martin	8712	6 Aug.
Sheep-shears. (See also Hair-cutting.)		
Sheets, Means for joining edges of metal. M. Ferguson	8904	30 Sept.
Shield for urinals. J. Ford	8696	29 July.
Ship, Apparatus for manoeuvring. E. Smethurst	8760	17 Aug.
Ship. (See also Boat, Propelling, Steamship, Vessel.)		
Shoe. (See also Boot or shoe, Horseshoe.)		
Shoe, &c., buckle and fastener. J. Grannes	8905	30 Sept.
Shoe, Fastening for. A. G. Howland	8476	8 May.
Shoe or golosh, Canvas. H. Corrick	8887	24 Aug.
Shoot. (See Discharge-shoot.)		
Shorthand. (See Transcribing- and Translating-machine, Typewriter.)		
Shovel, Metallurgical steam-. G. A. Richard	8355	20 March.
Shovel, Combined pick and. W. H. Sharpington	8243	3 Feb.
Shovel, Steam-. J. W. Hall and G. A. Richard	9116	10 Dec.
Shower-bath apparatus. W. H. Hannam	8291	21 Feb.
Silica pulveriser. W. Walker	9003	28 Oct.
Silver, Extracting. W. H. Moseley	8513	22 May.
Silver. (See Gold and Silver, Leaching.)		
Skeleton drum for aerial wire tramway systems. G. B. Beere and D. G. MacDonnell	9035	11 Nov.
Skimmer, Furrow. A. W. Legg	8651	15 July.
Skim-milk. (See Milk.)		
Skins, hides, leather, &c., Machinery for treating. J. Hall	9131	17 Dec.
Skins. (See Tanning.)		
Skirt, Cycling-. C. H. Hart	9049	18 Nov.
Sleeve-link. H. D. A. Reynolds	8379	31 March.
Slide-valves, Means for actuating. J. A. Walker	8260	3 Feb.
Slimes, Extracting gold, &c., from. (See Gold, Metals.)		
Sling. (See Gun-sling.)		
Smelting fuel. E. M. Smith	8709	6 Aug.
Smelting ironsand, Process for. E. M. Smith	8710	6 Aug.
Smelting. (See also Furnace, Ironsand, Ores.)		
Smoke-consuming appliance for oil-lamps. D. Dunn, T. W. Lewis, and W. H. Harris	8896	26 Sept.
Smoke-consuming, stoking, and fuel-economizing apparatus to be attached to steam-boilers, Automatic. G. Claydon and H. Wood	8605	24 June.
Smoke-consuming, stoking, and fuel-economizing apparatus for steam boilers. The Wood and Claydon Automatic Stoker, Coal-crusher, Self-feeder, and Smoke-consumer Company (Limited)	8826	4 Sept.
Snatch-block, Tackle releasing. G. G. McAlpine	8994	29 Oct.
Soap. E. R. Standfield and F. Biggs	8262	6 Feb.
Soap. G. Stecken	8384	7 April.
Soap-box. J. W. Buckley	8264	10 Feb.
Soap powder. D. R. S. Galbraith	8331	6 March.
Soldering cans, &c., Machine for. J. G. A. Castle	8283	19 Feb.
Soldering-iron. J. Davies	8179	9 Jan.
Soldering joints of tin vessels, Machine for. D. Houston	8438	28 April.
Solutions, Obtaining metals from. (See Metals, Gold, &c.)		
Sorting grain and removing dust therefrom, Apparatus for. R. Steinbach	9134	17 Dec.
Sower. (See Manure-sower, Rape-sower, Seed-sower, Turnip-sower.)		
Spanner, Duplex. A. C. Koch	8347	11 March.
Spark-catcher. D. E. Blacke	9058	19 Nov.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—continued.

Invention and Name of Inventor.	No.	Date.
Spats and gaiters, Attachment to. M. O'Brien and R. Weston	8374	28 March.
Spiral-springs, Attachment for. J. Brown	8478	12 May.
Splicer for wire fencing. G. Wratten	8323	4 March.
Splicer, Wire. O. Andrews	8771	21 Aug.
Splitting wood. (See Wood.)		
Spool. (See Wire spool.)		
Spouting-dies. H. G. and L. Bedell	9065	25 Nov.
Spray-pump. W. H. Price	8688	25 July.
Sprayer and mixer, Combined. G. Ellis	8894	27 June.
Sprayer, Pneumatic. J. Black	8883	23 Sept.
Spraying fruit-trees and vines, Machine for. W. I. Shanly	8397	9 April.
Spraying kerosene and water, Appliance for. W. S. Williams	8623	3 July.
Spraying-machine, Nozzle for. J. Black	9125	16 Dec.
Spraying-machine, Pneumatic. J. Black	8684	27 July.
Spreader. (See Lime-spreader.)		
Springs, Attachment for spiral. J. Brown	8478	12 May.
Spring, Pneumatic, for bicycles. R. Murie	8791	21 Aug.
Spring, Sustaining-, for poles of vehicles. T. Wilson and J. Clark	8607	23 June.
Spring balance scales, Weight- and cost-indicating apparatus for. H. J. Wood and W. Thomson	8361	25 March.
Sprocket-wheel for chain gearing. J. A. Walker	9091	3 Dec.
Stacking apparatus. O. E. Adolph	8670	22 July.
Stacks, Elevator for automatic distribution of straw into. G. Stevenson	8790	20 Aug.
Stamp-battery, Cam for lifting stamps of. J. L. Kirkbride	8576	15 June.
Stamp-battery, Cam for lifting stamps of. J. L. Kirkbride	8775	22 Aug.
Stamp-battery, Discharge-shoot for feeding ore to. A. W. Goyder	9089	3 Dec.
Stamper-battery, Appliance for protecting workers in, from dust. H. Frith	9122	25 Nov.
Stamper-guide. R. Cockerell	9047	13 Nov.
Stamp, Pneumatic, for crushing ores. D. Embleton	9161	31 Dec.
Stamps, Making castings of. J. Barton	9119	10 Nov.
Stamping-apparatus for crushing ores, &c. D. B. Morison	8982	27 Oct.
Stamping meat, Electric apparatus for. A. Smith	8680	22 July.
Stamps, Apparatus for cutting, cancelling, and affixing adhesive. W. E. Richardson	9006	5 Nov.
Stand for bicycle. L. J. Holroyd	8897	29 Sept.
Stand, Menu and wine-card. A. H. Light	9221	27 Jan.
Standards, Swinging-, for wire fencing. G. and G. Wratten	8315	2 March.
Staple, Fencing-. F. W. Page	8654	14 Aug.
Staple, Wire. W. H. Landells and W. D. V. Preston	8496	12 May.
Starter, Electric time-handicap. W. Nicol	8286	17 Feb.
Starter, Horse-race. T. Leyden and J. Vorbach	8269	10 Feb.
Starting-machine, Electric. J. Gaut	8529	26 May.
Starting-machine, Pedestrian-race. B. A. Laurie	8962	21 Sept.
Starting-machine for races of all kinds. L. Marshall and J. B. Williamson	8901	25 Sept.
Steam-boiler. J. E. Friend	9075	23 Nov.
Steam-boilers, Automatic stoking, smoke-consuming, and fuel-economizing apparatus to be attached to. G. Claydon and H. Wood	8605	24 June.
Steam-boilers, Automatic stoking, smoke-consuming, and fuel-economizing apparatus to be attached to. The Wood and Claydon Automatic Stoker, Coal-crusher, Self-feeder, and Smoke-consumer Company (Limited)	8826	4 Sept.
Steam-engine. E. E. Wigzell	8733	13 Aug.
Steam-engine, Method of working a. A. Hogg	9121	9 Dec.
Steam or fluid-pressure engine. S. Robinson	8586	15 June.
Steamships, Appliance for turning. J. F. Perkins	8231	27 Jan.
Steamships. (See Boat, Marine, Propelling, Ship, Vessel.)		
Steam-shovel for emptying and filling leaching- and lixiviation-vats used in metallurgical operations G. A. Richard	8355	20 March.
Steam-shovel for emptying and filling leaching- and lixiviation-vats used in metallurgical operations J. W. Hall and G. A. Richard	9116	10 Dec.
Steam wool-drier. (See Wool.)		
Steel- and iron-castings, Method of annealing. The Trengrove Improved Cycle-frame Company (Limited)	8197	10 Jan.
Steel, Manufacturing, from ironsand. C. M. Pielsticker	8521	23 May.
Steering-bar, Cycle. C. O. Kemp	8588	19 June.
Step-ladder. G. W. W. Lightband	8552	2 June.
Stereopticon. L. H. Hart	8783	24 Aug.
Sterilisation, Process and apparatus for preserving milk and food by. A. J. Vause	8433	28 April.
Sterilising and condensing milk, Apparatus for and process of. R. C. and A. M. Lindsay	8599	25 June.
Sterilising milk by steam, Apparatus for. A. T. Pfeiff	9037	14 Nov.
Sterilising milk, Process and apparatus for. A. J. F. de Bavay	8819	3 Sept.
Stock. (See Railway, Rolling-stock.)		
Stoking, smoke-consuming, and fuel-economizing apparatus to be attached to steam-boilers, Automatic. G. Claydon and H. Wood	8605	24 June.
Stoking, smoke-consuming, and fuel-economizing apparatus to be attached to steam-boilers. The Wood and Claydon Automatic Stoker, Coal-crusher, Self-feeder, and Smoke-consumer Company (Limited)	8826	4 Sept.
Stone-guard for bicycle. J. A. Beale	8922	3 Oct.
Stone, marble, &c., Manufacturing artificial. W. Owen	8903	30 Sept.
Stones, Method for removing large. I. Lewis	8343	7 March.
Stool, Raising-. A. H. Hathaway and W. F. Meers	8551	2 June.
Stop. (See Bench-stop.)		
Stopper for bottle. G. W. Shailer and W. L. Luxford	8687	27 July.
Stopper for bottle. J. W. McDougall	8975	26 Oct.
Stoppering device to prevent refilling of bottles. H. Dixon	8226	29 Jan.
Stopwatch. P. G. Harwood	8554	4 June.
Storage or secondary battery. A. Preiss	8727	12 Aug.
Stove or range. E. A. Cahoon	8717	7 Aug.
Stove for heating two rooms. J. B. Topp	8238	3 Feb.
Strainer. (See Laundry-strainer, Wire-strainer.)		

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention and Name of Inventor.	No.	Date.
Strap to enable bicycle- and tricycle- riders to obtain greater power over pedals when riding. P. A. Vaile	8369	25 March.
Straw, Elevator for automatic distribution of, on to stacks. G. Stevenson	8790	20 Aug.
Straw. (See also Press.)		
Stretcher-carrier, Railway ambulance. (See Railways.)		
Stringed instruments. D. Mayer	8928	10 Oct.
Stripper. (See Flax, Seed.)		
Structural arrangements. E. L. Pease	8519	23 May.
Stud for collar. G. H. Grapes	8952	22 Oct.
Stuffing, for horse, carriage, and domestic furniture. A. R. McDonald	8836	29 Aug.
Stump-jack. H. C. Jensen	8177	6 Jan.
Stumping and heavy-weight lifting machine. D. Donald	8924	9 Oct.
Stumps. (See Cricket-stumps.)		
Submarine cable. (See Cables, Telegraph.)		
Submergible apparatus. (See River-bed.)		
Suction-dredge. G. Higgings	8491	9 May.
Sulky. H. W. Lovegrove	8985	24 Sept.
Sulphide ores, Treatment of complex. F. Ellershausen	8843	14 Sept.
Sulphide ores, Treating complex. F. Ellershausen	8916	6 Oct.
Sulpho-cyanides. (See Cyanides.)		
Sulphurised ores, Treatment of. J. C. Butterfield	8841	14 Sept.
Support, Anatomical hygienic figure. A. G. Parry	8655	15 July.
Support for bicycle. G. Woolley	8388	8 April.
Support for bicycle. G. Robertson	8399	14 April.
Support for bicycle. J. J. Daily	8849	9 Sept.
Support for bicycle. E. R. Standfield and T. de R. Harman	8983	27 Oct.
Supporting telegraph- and telephone-wires. (See Telegraph.)		
Suspending trousers, form of. B. Cutler	8234	30 Jan.
Suspending garments, Fastening-device for. E. L. Evens and A. Bonnin	8880	23 Sept.
Swimming, Device for facilitating. A. Pringle	8875	21 Sept.
Swinging-standards for wire fencing. G. and G. Wratten	8315	2 March.
Switchboard. (See Telephone.)		
Table, Adjustable, folding, cabin-. F. V. Raymond and A. E. Otway	8342	6 March.
Table, Attachable, collapsible, and concealable. F. V. Raymond and A. E. Otway	8329	29 Feb.
Table for saving gold, silver, &c. R. Cockerell	9098	20 Nov.
Table. (See Advertising-table, Billiard-table, Concentrating-table, Dining-table, Directory-table.)		
Tackle-releasing snatch-block. G. G. McAlpine	8994	29 Oct.
Tailings-elevator for dredge. W. Cutten	8196	10 Jan.
Tailings. (See also Gold, Metals.)		
Tank-filter. D. E. Amesbury	8363	25 March.
Tank-filter. E. J. Coppen and E. H. Chamberlain	8199	13 Jan.
Tank, Water-. J. S. Hunt	8674	22 July.
Tanning hides and skins under internal pressure. J. Gilmour	8885	22 Sept.
Tape, Measuring-. H. J. Wood	8368	25 March.
Taxing. (See Paving.)		
Tea-flask, Pocket. G. R. Skinner	8233	28 Jan.
Tea-infuser. E. M. Litchfield	8402	20 April.
Teat-tube connections for milking-machine. L. Davies	8263	8 Feb.
Telegraph- and telephone-wires, Device for separating, isolating, and supporting. H. B. Kirk and J. Young	8246	3 Feb.
Telegraph tape-perforator. G. Aitkens	8371	26 Oct.
Telegraph-transmitter. H. A. Taylor	8328	4 March.
Telegraph-cables, Transmission of signals through submarine-. A. Muirhead	8324	4 March.
Telegraph-wires, Straining. (See Wire-strainer.)		
Telegraph. (See also Cable.)		
Telephone. J. C. R. Isherwood	8341	11 March.
Telephone- and telegraph-wires, Device for separating, isolating, and supporting. H. B. Kirk and J. Young	8246	3 Feb.
Telephone exchange, Automatic. The Apostoloff Automatic Telephone Parent Syndicate, (Limited)	8538	27 May.
Telephone instruments, Combined writing-tablet and door for. E. J. T. Ford	8300	25 Feb.
Telephone switch-boards, &c., Indicator or signal for. P. Rabbidge	9092	3 Dec.
Telephone systems, Means of employing, for burglar-alarm purposes. F. Rowell	8445	28 April.
Temperature of refrigerating chambers, Apparatus for indicating. F. Arenas	9142	17 Dec.
Tenoning, dowelling, and dovetailing, Method of and apparatus for. A. Brake	8536	29 May.
Testing flour and meal, Method of and apparatus for. P. C. K. Young	8833	5 Sept.
Thawing frozen meat and produce, Apparatus for and method of. W. Peck	8568	11 June.
Thawing frozen meat and produce, Apparatus for. W. Peck	8736	15 Aug.
Thawing frozen produce, Method of. F. A. Furlonge	9029	12 Nov.
Theodolite, Levelling-head for tripod of. T. Peacock	8908	4 Sept.
Thimble and hatch-box to facilitate using of scrapers in mains and pipes. H. J. I. Bilton and T. Timmins	8807	1 Sept.
Thinning turnips, Implement for. T. Balfour	8678	21 July.
Thinning turnips, &c., Machine for. J. Currie	8303	22 Feb.
Threshing-machine, Dressing apparatus of. J. Greenslade	8344	11 March.
Threshing-machine, Dressing apparatus of. A. H. Anderson	8854	11 Sept.
Threshing-mills, Means of protecting from wear the concave bars of. G. Saunders	9120	11 Dec.
Tidal and river automatic lock-engine. (See Engines.)		
Tie-fastener. J. Shewan and F. S. H. Werry	8273	13 Feb.
Tightener. (See Wire-strainer, -tightener.)		
Timing races, &c., Watch for. P. G. Harwood	8554	4 June.
Tin, and method of filling and sealing same. J. Durston	9082	1 Dec.
Tin, Cover for. J. Eustace	8517	19 May.
Tin-opener. W. Howson	8406	21 April.
Tin or drum, Appliances for making use of disused kerosene-, paint-, &c. J. W. Buckley	8223	29 Jan.
Tins, Machine for soldering. D. Houston	8438	28 April.
Tire. M. L. Warson and E. F. Pickett	8405	20 April.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—continued.

Invention and Name of Inventor.	No.	Date.
Tire. W. S. Falconer	8987	31 Oct.
Tire. J. J. Daily	9010	3 Nov.
Tire, Bicycle-. M. A. Johnson	8853	20 March.
Tire, Bicycle-. H. Bingham and J. A. Wallace	8643	14 July.
Tire, Cover for pneumatic. J. C. Cairns	8889	21 Sept.
Tire, Fabric. H. B. James and W. J. Proctor	8785	24 Aug.
Tire for bicycles, &c., Pneumatic shield-. O'C. Raine	8600	26 June.
Tire for cycles, &c. J. J. Daily	8847	16 Sept.
Tire for cycles, &c. J. J. Daily	8850	11 Sept.
Tire for cycles, &c. J. J. Daily	8911	3 Oct.
Tire for cycles. S. C. Otton	9138	17 Dec.
Tire, Inflation of pneumatic. K. King	8787	24 Aug.
Tire, Inflatable wheel-. A. Pulbrook	8257	6 Feb.
Tire, Means for preventing collapse of punctured. H. S. E. Hobday and A. H. Anderson	8856	12 Sept.
Tire, Means for protecting and increasing traction-power of pneumatic. H. Ashworth	9117	14 Dec.
Tire, Pneumatic. Fleuss Pneumatic Tire Syndicate (Limited)	8326	4 March.
Tire, Pneumatic. J. Florey, J. A. Sando, and P. J. Williams	8461	4 May.
Tire, Pneumatic. H. A. Veazie	8661	21 July.
Tire, Pneumatic. P. H. Pritchett	8695	27 July.
Tire, Pneumatic. R. S. Haughton, jun.	8765	20 Aug.
Tire, Pneumatic. J. W. McDougall	8945	20 Oct.
Tire, Pneumatic. R. W. Wyatt	9093	3 Dec.
Tire, Pneumatic. R. and A. M. McLeod	9133	17 Dec.
Tire-protector. E. Davies and A. Harrison	8582	16 June.
Tire-protector. T. Newland	8877	22 Sept.
Tire-protector. J. Payne	9009	3 Nov.
Tire-protector, Pneumatic. J. J. Daily	8846	16 Sept.
Tire-protector, Pneumatic. J. J. Daily	8851	16 Sept.
Tire, Valve for inflation of double-tube. A. W. Smart and J. Wilson	9025	11 Nov.
Tobacco-cutter, match-box, and pipe-cleaner, Combined. P. Ellis	9011	3 Nov.
Tobacco-pipe. E. Henwood	8452	30 April.
Toffy. A. Bergin	8346	9 March.
Tongs, Fire-. G. Robinson	8534	28 May.
Tool-bag for bicycles. E. Arundel	8497	12 May.
Tool-combination. K. E. Edge	8190	10 Jan.
Tool, Combination. W. H. Sharpington	8243	3 Feb.
Tool sharpener, Edge-. C. L. Daniel	8250	5 Feb.
Toothache, Appliance for cure of. P. Riordan	8637	11 July.
Toy. P. Pickering.. .. .	9040	16 Nov.
Toy. J. B. Leyden	8902	30 Sept.
Traction-engine. A. McDonald	8759	19 Aug.
Tram-car, Street. A. McGill	9053	14 Nov.
Tram-guide, Mercantile bulletin, directory, and. F. Thompson	8583	16 June.
Tramway. (See Cable-cars, Railways, Skeleton-drum.)		
Transcribing shorthand and translating languages, Machine to assist in. J. Warnock	8183	10 Jan.
Transformer, Electro-motor and. The Alternate Current Electro-motor Syndicate (Limited)	8609	27 June.
Transmitter. (See Telegraph.)		
Transport over unmade roads, Means of. G. Frost	8923	5 Oct.
Trap-seat. J. J. Penman	8298	22 Feb.
Trap, Springless animal-. A. L. J. Tait	8766	17 July.
Traps. (See Animal-trap, Bird-trap, Rabbit-trap.)		
Treating animal bones and flesh, Process and apparatus for. J. W. B. Abel	8942	19 Oct.
Trees, Mixture for cleansing from parasites. W. Wheelband	8935	13 Oct.
Tricycle, Bicycle or. A. L. Bricknell	8317	2 March.
Tricycle, Bicycle or. W. Atkinson	8435	28 April.
Tricycle, Bicycle or. W. H. Boyens	8703	4 Aug.
Tricycles. (See also Cycles, Velocipedes.)		
Trigger and trigger-guard for rifles, &c. P. S. Smallfield and H. F. Way	8701	29 July.
Trimming and insetting machine, Combined. R. N. Adams	8778	29 July.
Trousers, Form of suspending. B. Cutter	8234	30 Jan.
Trussing straw, Press for. S. Dodge	8867	25 March.
Tub-drainer and clothes-protector. M. A. Johnson	8635	10 July.
Tubes, Cigarette-. (See Cigarettes.)		
Tubes, Device for securing, to mains. F. Albrecht	8508	19 May.
Tubes, sheets, &c., Making copper- and other, by electrolysis. F. H. Snow	8254	6 Feb.
Tubular casting. (See Casting.)		
Tubular tank-filter. D. E. Amesbury	8363	25 March.
Tubulous boiler. G. Scott	8256	6 Feb.
Turnip- and rape-sower. J. Macalister	8584	12 June.
Turnip-drills, -thinners, &c., Apparatus for regulating width of. A. Storrie	9096	2 Dec.
Turnip seed-drill. P. Genn	8467	6 May.
Turnips, Implement for thinning. T. Balfour	8678	21 July.
Turnips, Machine for thinning. J. Currie	8303	22 Feb.
Typewriter. G. F. Hawkins	8192	10 Jan.
Typewriter, Shorthand-. H. H. Murdoch	8820	2 Sept.
Typewriting-machine. A. G. Corre	9015	7 Nov.
Tyre. (See Tire.)		
Urinal, Shield for. J. Ford	8696	29 July.
Valise, Cyclists'. W. B. Parsons	9066	26 Nov.
Valve for facilitating inflation of double-tube tire. A. W. Smart and J. Wilson	9025	11 Nov.
Valves, Means for actuating slide-. J. A. Walker	8260	3 Feb.
Valve, Pump-. R. Cockerell	8853	16 Sept.
Vaporiser for oil-engine. A. Barker	8389	8 April.
Vats, Steam-shovel for leaching-. J. W. Hall and G. A. Richard	9116	10 Dec.
Vegetation on railway, Composition for destroying. W. T. Owen and T. Thatcher	8201	13 Jan.
Vegetables. (See Preserving.)		
Vehicle, Apparatus for locking and braking wheels of. H. Hedge	8516	20 May

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention and Name of Inventor.	No.	Date.
Vehicle, Appliance for preventing bolting of horse attached to. H. F. Fisher	8415	21 April.
Vehicle, Auto-, Motors and mechanism of. H. Austin	8668	18 Sept.
Vehicle, Axle, axle-tree, and -box of. R. J. L. Hildyard	8500	13 May.
Vehicle, Brake for. M. Belk	8573	12 June.
Vehicle, Brake for. H. Morrison	9073	27 Nov.
Vehicle, Oil-box for axles of. W. Dalton	8488	12 May.
Vehicle, Self-propelled. L. Bollée	8747	17 Aug.
Vehicle, Shafts for, and harness to be used therewith. W. A. Bromwich and C. A. Floyd	8251	4 Feb.
Vehicle, Sustaining-spring for poles of. T. Wilson and J. Clark	8607	23 June.
Vehicle-wheel. A. S. Bowman	8675	22 July.
Vehicle. (See also Axle, Bicycle, Brake, Cable-car, Car, Carriage, Checking apparatus, Electric, Harness, Locking, Locomotive, Perambulator, Shafts, Sulky, Trap-seat, Wheel.)		
Velocipede. E. L. Evens	8305	28 Feb.
Velocipede. E. L. Barton	8351	18 March.
Velocipede. C. E. Beckman	8531	27 May.
Velocipede, Brake for. H. M. and J. Copeland	8804	1 Sept.
Velocipede, Detachable gear-case for. G. Mirfin and W. Petersen	8725	12 Aug.
Velocipede-pump, Case for. W. M. Schlesinger	9104	7 Dec.
Velocipede, Saddle for. S. Pattisson	8523	23 May.
Velocipede. (See also Bicycle, Brake, Cycle.)		
Venetian-blind. J. Manttan	8314	2 March.
Venetian-blind lathe. J. Manttan	9099	5 Dec.
Venetian-blinds, Apparatus for operating. S. P. Clements	8776	22 Aug.
Venetian-blinds, Method of and apparatus for operating. W. C. Gee	8621	2 July.
Ventilating-cowl. J. E. Yates	8665	22 July.
Ventilating railway-carriages, &c. E. J. Preston and A. B. Gill	8377	31 March.
Ventilator for water-closets. T. M. Lewington	8580	12 June.
Ventilator for pan-closets. T. M. Lewington	8704	31 July.
Vessel, Apparatus for closing and charging, with gases. E. Stern	8567	11 June.
Vessel and means for propelling same, applicable to construction of water-bicycles. R. Goulding	8953	21 Oct.
Vessel, Marine-. E. L. Kitchingman	8421	24 April.
Vessel, Means for turning. E. Smethurst	8259	6 Feb.
Vessel, Method of and apparatus for stopping and turning. E. Smethurst	8335	6 March.
Vessel. (See Boats, Coal, Marine, Propelling, Ships, Steamships.)		
Vine-sprayer. (See Spraying.)		
Violin. W. McKenzie and W. W. Rising	8383	1 April.
Volatilising gas in gas-engine. J. B. Carse	8244	3 Feb.
Vote-recording machine. J. H. Mander	9154	3 Dec.
Vulcanised indiarubber. (See Indiarubber.)		
Washdirt or auriferous sand, Screening. W. Morton	8563	5 June.
Washer for locking nuts on cycle-chain bolts. T. Boyd	8455	1 May.
Washing and forking wool. (See Wool.)		
Washing-board. T. C. Hement	8965	17 March.
Washing-boiler. T. Garland	9013	7 Nov.
Washing-fluid. A. E. Allpress	8690A	28 July.
Washing machine, Clothes-. W. Humble and W. Nicholson	8560	6 June.
Washing machine, Clothes-. J. A. H. Adolph and H. G. Johnson	8610	27 June.
Washing, scrubbing, and cleaning floors, Machine for. J. E. and W. J. Gee	8392	9 April.
Washing wool, cotton-waste, &c., Machine for. R. B. Williams	8728	12 Aug.
Watch, Electrically-controlled stop-. P. G. Harwood	8554	4 June.
Water- and rot-proof dressing, and process for applying same to textile and fibre materials. C. Dahl	8248	4 Feb.
Water, Apparatus for automatically removing solid matter from. J. F. Stephenson	8667	22 July.
Water-bicycle. R. Goulding	8953	21 Oct.
Water-boiler. J. Chambers	8934	12 Oct.
Water-closet, Ventilator for. T. M. Lewington	8580	12 June.
Water-filter. (See Filter.)		
Water-heater. H. Conquer	8193	6 Jan.
Water-heater. C. L., C. S., and G. Croxford	8574	12 June.
Water or air, Machine for forcing. E. Kierman	8222	28 Jan.
Waterproof garment. J. H. Tennant	8219	22 Jan.
Waterproof and rot-proof dressing for textiles. C. Dahl	8248	4 Feb.
Water-pump. (See Pump.)		
Water-tank. J. S. Hunt	8674	22 July.
Water-wheel or windmill. E. Collins	8292	18 Feb.
Weather-boarding, Joint for rusticated. W. A. Waddell	8630	8 July.
Wedding-cake box. A. Prior	8295	20 Feb.
Weighing fruit, &c., Apparatus for. R. Jack	9109	10 Dec.
Weighing and grading carcasses of sheep and lambs, Automatic appliance for. J. Gilmour	9153	30 Nov.
Weighing-machine. (See Cost-indicating apparatus.)		
Weight- and cost-indicating apparatus for spring-balance scales. H. J. Wood and W. Thomson	8361	25 March.
Weight-indicator. H. J. Thomson	8821	4 Sept.
Weight-indicator. H. J. Thomson	9004	5 Nov.
Well, Appliances for sinking artesian-. J. Osborne	8612	30 June.
Wheel and axle for ploughs, &c. M. Higgins and J. Storrier	8556	4 June.
Wheel- and roller-attachment for carriages. G. Frost	8923	5 Oct.
Wheel, Cycle. J. S. Woodhouse	8453	30 April.
Wheel for cycles, cabs, &c. J. McConechy	8203	15 Jan.
Wheel for vehicle. A. S. Bowman	8675	22 July.
Wheel for vehicle. W. G. Jenkins and P. Fyfe	9088	24 Nov.
Wheel-lock for bicycles. H. E. Lawrence	9129	15 Dec.
Wheelbarrow. B. H. Moller	9055	20 Nov.
Wheel, Chain-driving. H. Morrison	9072	27 Nov.
Wheel, Motor-. I. Lewis	8334	5 March.
Wheel, Rotary motor-. W. Norgrove	8333	7 March.
Wheel-sprocket. J. A. Walker	9091	3 Dec.
Wheels of ploughs, Mechanism for adjusting and steering furrow-. Massey-Harris Company, (Limited)	8420	24 April.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention and Name of Inventor.	No.	Date.
Wheels of vehicles, Apparatus for locking. H. Hedge	8206	16 Jan.
Wheels of vehicles, Apparatus for locking. H. Hedge	8516	20 May.
Wheels. (See also Plough-wheel, Tires, Water-wheel.)	28705	
Wick-adjusting device for lamp. A. Billens	8592	19 June.
Wickets. (See Cricket-wickets.)	8282	
Winch for dredge. W. Cutten	8214	18 Jan.
Windmill or water-wheel. E. Collins	8292	18 Feb.
Windmill with ball-bearings. R. Nicholas	9031	10 Nov.
Window-blind. T. H. Dolbey	8979	28 Oct.
Window, Draught-preventer for. A. H. and C. Hansen	8772	22 Aug.
Window or door, Anti-rattler and sash-fastener for. W. J. Dalton	8336	5 March.
Window-retaining device. E. Sefton	8730	10 Aug.
Window-sash and -frame. F. de J. Clere	8692	30 July.
Window-sashes, Device for preventing, from rattling. J. L. Kirkbride	9062	23 Nov.
Window. (See also Blind, Railway, Sash-fastener, Sashes, Shade.)		
Wine-card stand. A. H. Light	8221	27 Jan.
Wire-clip and -splicer. J. R. Lamb	8274	13 Feb.
Wire fencing. H. A., J. H., and E. W. Denman	8479	12 May.
Wire-fencing splicer. G. Wratten	8323	4 March.
Wire-fencing stiffener. R. Reynolds	8533	23 May.
Wire fencing, Swinging-standards for. G. and G. Wratten	8315	2 March.
Wire fencing, Tightening. T. Danks	9061	21 Nov.
Wire in fences, Repairing broken. T. Danks	9060	21 Nov.
Wire-net spring bed or couch. G. Hamlin	8993	27 Oct.
Wire-splicer. O. Andrews	8771	21 Aug.
Wire spool. J. F. Eustace	8579	11 June.
Wire staple. W. H. Landells and W. D. V. Preston	8496	12 May.
Wire-strainer. W. H. Buckland	8171	3 Jan.
Wire-strainer. R. Lees	8332	7 March.
Wire-strainer. A. Jones	8447	30 April.
Wire-strainer. T. A. Bromwell	8662	21 July.
Wire-strainer. H. M. Clark	8673	22 July.
Wire-strainer. J. Richards	8718	6 Aug.
Wire-strainer. W. A. Tuck	8740	17 Aug.
Wire-strainer. F. Rountree	8866	17 Sept.
Wire-strainer. J. S. Roberts	8892	24 Sept.
Wire-strainer. W. Page	8900	30 Sept.
Wire-strainer. E. G. Gresham	8931	7 Oct.
Wire-strainer. J. Price	8932	11 Sept.
Wire-strainer. J. T. Walker	8976	21 Oct.
Wire-strainer. A. T. McDonald	9158	8 Feb.
Wire-strainer and -fastener. W. Webb	8884	23 Sept.
Wire-strainer and -splicer. O. Andrews	8771	21 Aug.
Wire-strainer, -coiler, and -uncoiler, Combined. D. Lundon and J. Beck	8540	30 May.
Wire-straining grip. J. C. Gresham	8754	12 Aug.
Wire-tightener. H. L. Peake	8555	29 May.
Wire-winder. J. S. Reid	8471	8 May.
Wire-winder. H. J. Unwin	8594	23 June.
Wires, Supporting- and separating-device for telegraph-. H. B. Kirk and J. Young	8246	3 Feb.
Wood blocks. (See Paving.)		
Wood, Creosoting. (See Cylinder.)		
Wood-splitting machine. D. MacDonald	9021	10 Nov.
Wood, wood-waste, &c., Apparatus for dry distillation of. A. Schmidt	8549	3 June.
Wool, Appliance to curtail carrying and save labour during process of drying. H. Ashworth	9022	10 Nov.
Wool, cotton-waste, &c., Degreasing and cleansing. F. N. Turney	8645	14 July.
Wool-dryer, Steam. W. J. Davison	8311	28 Feb.
Wool-drying. J. McCreath	8457	4 May.
Wool-drying. J. McCreath	8734	11 Aug.
Wool-drying process. J. McCreath	8535	29 May.
Wool-drying, Process for. A. Evans and J. McCreath	8413	22 April.
Woolly aphids, Eradicating. W. Armstrong	8348	12 March.
Wool, Machine for washing and forking. H. Ashworth	8240	3 Feb.
Wool or hair, Machine for cutting. J. W. Newall	9002	4 Nov.
Wool, Process for pressing and draining wet. H. Ashworth	8239	3 Feb.
Wool-washing, Guide and beaters for. H. Ashworth	8463	4 May.
Wool-washing machine. R. B. Williams	8728	12 Aug.
Wool-washing machine. G. A. Fuller	9074	26 Nov.
Wool-working Needle. R. Elston	8960	8 Oct.
Working the figures on a steam riding-gallery. W. J. McManus	8270	12 Feb.
Wrapper and letter-sheet, Postal. G. Barnes and F. P. Stevens	8788	24 Aug.
Wrapper, Postal. A. D. Willis	8919	7 Oct.
Writing-tablet and door for telephone instruments, Combined. E. J. T. Ford	8300	25 Feb.
Zinc- and copper-ores, Treating. W. E. Hughes	8844	15 Sept.
Zinc and lead, Process and apparatus for the production of, by electrolysis of the melted chlorides. R. O. Lorenz	8191	10 Jan.
Zinc, Process for electrolytic production of. G. Erlwein and M. Voigt	8338	11 March.
Zinciferous-ores, Process for treating. E. F. Turner	8649	14 July.
Zinc-ores, Treating. E. A. Ashcroft	8786	24 Aug.
Zinc-oxide, Manufacture of. W. Hampe and C. Schnabel	8767	21 Aug.
Zinc-oxide, Process for manufacture of. W. H. Moseley	8512	22 May.
Zinc, Treating solutions of ores containing. E. A. Ashcroft	8677	22 July.
Zinc, Treating solutions of ores containing, for recovery of the zinc as oxide. E. A. Ashcroft	8697	31 July.

L.—ALPHABETICAL LIST OF APPLICANTS FOR REGISTRATION OF TRADE-MARKS DURING THE YEAR 1896.

Name and Address.	No. of Class.	No. of Application.	Date.
Ahlfeld Brothers and Co., Dunedin, N.Z.	12	1789	22 Aug.
Allcock and Co., S., Redditch, Eng. (See Allcock, S.; Williams, A.; Leach, G. E., No. 1764.)	49	1764	6 Aug.
Allcock, S., and others, Redditch, Eng.	45	1628	3 Feb.
American Tobacco Company of New Zealand (Limited), The, Auckland, N.Z.	6	1722	22 June.
American Wringer Company, The, New York, U.S.A.	42	1838	2 Nov.
Anderson and Co., W., Dunedin, N.Z.	42	1841	4 Nov.
Andrews and Co., Newman, N.Z.	3	1832	22 Oct.
Angier Chemical Company, Boston, U.S.A., and London, Eng.	2	1741	9 July.
Anglo-New Zealand Cycle Company, The, Dunedin, N.Z. (See De Beer, I. S., No. 1696.)	7	1839	2 Nov.
Armstrong, W., Te Uka, Raglan, N.Z.	22	1873	23 Dec.
Aston and Co., London, Eng. (See Edwards, F. A., No. 1868.)	22	1874	23 Dec.
Australasian Novelty Company, The, Wellington, N.Z.	15	1828	16 Oct.
Austral Cycle Agency (Limited), The, Coventry, Eng.	47	1835	28 Oct.
Austral Cycle Agency (Limited), The, Coventry, Eng.	42	1654	11 March.
Australian Drug Company (Limited), Sydney, N.S.W.	1	1855	25 Nov.
Bannatyne and Co., W. W., Wellington, N.Z.	47	1856	25 Nov.
Barry's Bay Co-operative Dairy Factory Company (Limited), Barry's Bay, Canterbury, N.Z.	50	1857	25 Nov.
Beale. (See Dunnnett and Beale.)	50	1858	25 Nov.
Beer, De. (See under D, No. 1696.)	22	1729	24 June.
Bell's Asbestos Company (Limited), London, Eng.	42	1853	20 Nov.
Bell's Asbestos Company (Limited), London, Eng.	42	1651	2 March.
Bell's Asbestos Company (Limited), London, Eng.	9	1782	12 Aug.
Bell's Asbestos Company (Limited), London, Eng.	47	1655	11 March.
Bennett, C. W., Sydney, N.S.W.	7	1851	14 Nov.
Bennett, J., Awahuri, Manawatu, N.Z.	3	1647	18 Feb.
Berry and Co., H., Christchurch, N.Z.	3	1709	6 June.
Besson and Company (Limited), London, Eng.	42	1792	31 Aug.
Biggs, F., and another, Christchurch, N.Z.	42	1666	30 March.
Billens, A., Christchurch, N.Z.	42	1667	30 March.
Billows, A. J., Wellington, N.Z.	42	1672	30 March.
Bishop, A., and Sons (Limited), London, Eng.	42	1666	30 March.
Blyth, W., Auckland, N.Z.	42	1667	30 March.
Blyth. (See also Brace, Windle, Blyth, and Co.)	42	1672	30 March.
Boake, A., and others, London, Eng.	42	1666	30 March.
Boake, A., and others, London, Eng.	42	1667	30 March.
Boake, A., and others, London, Eng.	42	1672	30 March.
Boake, E. J., and others, London, Eng.	42	1666	30 March.
Boake, E. J., and others, London, Eng.	42	1667	30 March.
Boake, E. J., and others, London, Eng.	42	1672	30 March.
Boake, Roberts, and Co., A., London, Eng. (See Boake, A.; Roberts, F. G. A.; Boake, E. T., No. 1666.)	42	1666	30 March.
Boake, Roberts, and Co., A., London, Eng. (See Boake, A.; Roberts, F. G. A.; Boake, E. T., No. 1667.)	42	1667	30 March.
Boake, Roberts, and Co., A., London, Eng. (See Boake, A.; Roberts, F. G. A.; Boake, E. T., No. 1672.)	42	1672	30 March.
Brace, Windle, Blyth, and Company (Limited), Dunedin, N.Z.	27	1761	3 Aug.
Brace, Windle, Blyth, and Company (Limited), Dunedin, N.Z.	27	1796	3 Sept.
Brake, A., and others, Wellington, N.Z.	15	1837	29 Oct.
Briscoe and Co., A., Dunedin, N.Z.	42	1849	11 Nov.
Brodie, J. H., Sydney, N.S.W.	42	1717	19 June.
Buchanan and Co., J., London, Eng., and Glasgow and Leith, Scotland. (See J. Buchanan and Co., No. 1604.)	43	1604	6 Jan.
Buchanan, J., London, Eng., and Glasgow and Leith, Scotland	12	1786	12 Aug.
Burgon and Wilkinson (Limited), Sheffield, Eng.	7	1754	27 July.
Burns and Co., J., Auckland, N.Z.	46	1698	23 May.
Carter, J. (See Carter and Co., J., No. 1698.)	42	1850	14 Nov.
Carter and Co., J., London, Eng.	42	1820	5 Oct.
"Carter's," London, Eng. (See Carter and Co., J., No. 1698.)	18	1823	9 Oct.
Cederman, G., Aorers, Nelson, N.Z.	42	1783	12 Aug.
Cerebos (Limited), Newcastle-on-Tyne, Eng.	42	1784	12 Aug.
Chambers, J. S., and another, Melbourne, Vic.	42	1785	12 Aug.
Chambers and Seymour, Melbourne, Vic. (See Chambers, J. S.; Seymour, J. G., No. 1823.)	42	1733	2 July.
Champion and Co., London, Eng.	42	1783	12 Aug.
Champion and Co., London, Eng.	42	1784	12 Aug.
Champion and Co., London, Eng.	42	1785	12 Aug.
Chemische Fabrik von Heyden Gesellschaft mit beschränkter Haftung, Radebeul, Dresden, Ger.	42	1733	2 July.
Chipman, H. S., Sydney, N.S.W.	42	1878	29 Dec.
Chong, C., New Plymouth, N.Z.	42	1613	13 Jan.
Christchurch Meat Co. (Limited), The, Christchurch, N.Z.	42	1675	10 April.
Christchurch Meat Co. (Limited), The, Christchurch, N.Z.	37	1742	18 July.
Christchurch Meat Co. (Limited), The, Christchurch, N.Z.	42	1743	18 July.
Christchurch Meat Co. (Limited), The, Christchurch, N.Z.	47	1744	18 July.
Christchurch Meat Co. (Limited), The, Christchurch, N.Z.	37	1745	18 July.
Christchurch Meat Co. (Limited), The, Christchurch, N.Z.	47	1746	18 July.
Christchurch Meat Co. (Limited), The, Christchurch, N.Z.	37	1747	18 July.
Christchurch Meat Co. (Limited), The, Christchurch, N.Z.	42	1748	18 July.
Christchurch Meat Co. (Limited), The, Christchurch, N.Z.	47	1749	18 July.
Christchurch Meat Co. (Limited), The, Christchurch, N.Z.	4	1755	30 July.
Christchurch Meat Co. (Limited), The, Christchurch, N.Z.	50	1756	30 July.
Christchurch Meat Co. (Limited), The, Christchurch, N.Z.	4	1757	30 July.
Christchurch Meat Co. (Limited), The, Christchurch, N.Z.	50	1758	30 July.
Christchurch Meat Co. (Limited), The, Christchurch, N.Z.	4	1759	30 July.
Christchurch Meat Co. (Limited), The, Christchurch, N.Z.	50	1760	30 July.

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

Name and Address.	No. of Classes.	No. of Applica- tion.	Date.
Clarke, J. H., Dunedin, N.Z.	38	1846	5 Nov.
Clark, G. B., Wellington, N.Z.	47	1711	17 June.
Clarkson, W. B., Hornby, Canterbury, N.Z.	42	1682	24 April.
Clay and Bock and Co. (Limited), H., London, Eng., and Havanna, Cuba	45	1606	10 Jan.
Clay and Bock and Co. (Limited), H., London, Eng., and Havanna, Cuba	45	1607	10 Jan.
Clay and Bock and Co. (Limited), H., London, Eng., and Havanna, Cuba	45	1608	10 Jan.
Clay and Bock and Co. (Limited), H., London, Eng., and Havanna, Cuba	45	1609	10 Jan.
Clay and Bock and Co. (Limited), H., London, Eng., and Havanna, Cuba	45	1610	10 Jan.
Clay and Bock and Co. (Limited), H., London, Eng., and Havanna, Cuba	45	1611	10 Jan.
Colman, J. and J., London and Norwich, Eng.	42	1766	6 Aug.
Colman, J. and J., London and Norwich, Eng.	42	1767	6 Aug.
Colman, J. and J., London and Norwich, Eng.	42	1768	6 Aug.
Coltman, W., Wellington, N.Z.	50	1793	1 Sept.
Cook, F. A., Christchurch, N.Z.	42	1809	17 Sept.
Coventry Machinists' Company (Limited), The, Coventry, Eng.	22	1866	7 Dec.
Curtiss and Harvey, London and Hounslow, Eng. (See Curtis, C. W., No. 1622).			
Curtis, C. W., London and Hounslow, Eng.	20	1622	23 Jan.
Cycle Components Manufacturing Company (Limited), The, Birmingham, Eng.	13	1817	5 Oct.
Cycle Components Manufacturing Company (Limited), The, Birmingham, Eng.	22	1818	5 Oct.
Cyclene Manufacturing Co., The, Wellington, N.Z. (See Gore, R.; Sanderson, E. V., No. 1700.)			
De Beer, I. S., Dunedin, N.Z.	22	1696	18 May.
Distillers Company (Limited), The, Edinburgh, Scotland	43	1629	3 Feb.
Distillers Company (Limited), The, Edinburgh, Scotland	43	1630	3 Feb.
Dolbel, C., Napier, N.Z.	2	1813	3 Oct.
Donald, J., Featherston, N.Z.	42	1840	2 Nov.
Donnelly, G. P., Crissoge, Hawke's Bay, N.Z.	3	1753	27 July
Dulcemona Tea Company, The, London, Eng. (See Edwards, F. A., No. 1868.)			
Dunlop Cycle Company, The, Dublin, Ireland, and Coventry, England. (See J. Griffiths' Cycle Corporation, Limited, No. 1788.)			
Dunnett and Beale, London, England. (See J. Carter and Co., No. 1698.)			
Durston, J., Dunedin, N.Z.	42	1806	14 Sept.
Dutoiet and Co., P., Brussels, Belgium	38	1712	18 June.
Dutoiet and Co., P., Brussels, Belgium	38	1713	18 June.
Dutoiet and Co., P., Brussels, Belgium	38	1714	18 June.
Edwards, F. A., London, England	42	1868	7 Dec.
Ehrenfried Brothers, Auckland, N.Z. (See Ehrenfried, L., No. 1623.)			
Ehrenfried, L., Auckland, N.Z.	44	1623	29 Jan.
Ellenberg, C., and another, Muswellbrook, N.S.W.	42	1732	25 June.
Elliman Sons and Co., Slough, Buckingham, England	3	1848	7 Nov.
English Diastastic Malt-extract Company (Limited), The, Mistley, Essex, England	42	1836	28 Oct.
Entrican and Co., A. J., Auckland, N.Z.	42	1723	22 June.
Evans, R., Christchurch, N.Z.	42	1829	16 Oct.
Excelsior Boot-manufacturing Company (Limited), The, Christchurch, N.Z.	38	1616	17 Jan.
Excelsior Boot-manufacturing Company (Limited), The, Christchurch, N.Z.	38	1617	17 Jan.
Excelsior Boot-manufacturing Company (Limited), The, Christchurch, N.Z.	38	1668	19 March.
Excelsior Boot-manufacturing Company (Limited), The, Christchurch, N.Z.	38	1669	31 March.
Farrow Fountain Aërated-water Company, The, Wellington, N.Z. (See Joyce, B.; McKee, R. J.; Brake, A., No. 1837.)			
Featton, E. J., Auckland, N.Z.	38	1731	30 June.
Field. (See Wilkins and Field.)			
Fitton and Son, S., Macclesfield, Eng. (See Smith, R., No. 1791.)			
Fox Brothers and Co., Wellington, Somersetshire, Eng.	34	1876	24 Dec.
Frossard and Co., J. Sydney, N.S.W.	45	1773	10 Aug.
Gifford, Plowman, and Co., Napier, N.Z.	15	1678	24 April.
Gifford, Plowman, and Co., Napier, N.Z.	39	1679	24 April.
Gifford, Plowman, and Co., Napier, N.Z.	44	1680	24 April.
Gifford, Plowman, and Co., Napier, N.Z.	50	1681	24 April.
Gillett, E. W., Chicago, U.S.A.	42	1770	7 Aug.
Gilmore, Younghusband, and Co., Auckland, N.Z.	42	1864	4 Dec.
Gilmore, Younghusband, and Co., Auckland, N.Z.	42	1865	4 Dec.
Globe Packing Co., The, Wellington, N.Z. (See Clark, G. B., No. 1711.)			
Gore, R., and another, Wellington, N.Z.	50	1700	30 May.
Grant, J. L., Liverpool, Eng.	42	1631	3 Feb.
Graziers' Meat Export Co. of N.S.W. (Limited), The, Sydney, N.S.W.	2	1752	22 July.
Greno. (See Pommery and Greno.)			
Grey Valley Co-operative Dairy Factory Co. (Limited), The, Totara Flat, Westland, N.Z.	42	1633	4 Feb.
Griffiths Cycle Corporation (Limited), J., Dublin, Ireland, and Coventry, Eng.	22	1788	17 Aug.
Gunther, C., Masterton, N.Z.	3	1671	2 April.
Hall and Son (Limited), J., London, Eng.	20	1834	26 Oct.
Hallenstein and Co. (Limited), M., Melbourne, Vic.	23	1812	30 Sept.
Hall, E. W., Christchurch, N.Z.	3	1805	9 Sept.
Harper and Co., R., Melbourne, Vic.	42	1843	4 Nov.
Harris, J. H., Auckland, N.Z.	42	1736	8 July.
Hart, J., Auckland, N.Z.	3	1735	3 July.
Hatfield, G., and another, London, Eng.	45	1807	14 Sept.
Hatfield, G. E., and another, London, Eng.	45	1807	14 Sept.
Hatricks, A., Wanganui, N.Z.	47	1618	18 Jan.
Hatton, W., Caversham, N.Z.	42	1662	28 March.
Hatton, W., Caversham, N.Z.	42	1689	29 April.
Hatton, W., Caversham, N.Z.	42	1690	29 April.
Hawera Co-operative Dairy Factory Co. (Limited), The, Hawera, N.Z.	42	1626	29 Jan.
Hawkins, C. W., Dunedin, N.Z.	2	1699	30 May.
Hayman and Co., P., Dunedin, N.Z.	45	1703	2 June.
Hayman and Co., P., Dunedin, N.Z.	45	1704	2 June.

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

Name and Address.	No. of Class.	No. of Applica- tion.	Date.
Hindmarsh. (See Robjohns, Hindmarsh, and Co.)			
Hobbs, R., Auckland, N.Z.	38	1657	14 March.
Hoboken. (See Van Hoboken.)			
Hollins and Co. (Limited), W., Nottingham, Eng.	34	1819	5 Oct.
Holzappel's Compositions Co. (Limited), Newcastle-on-Tyne, Eng.	1	1797	3 Sept.
Holzappel's Compositions Co. (Limited), Newcastle-on-Tyne, Eng.	1	1798	3 Sept.
Holzappel's Compositions Co. (Limited), Newcastle-on-Tyne, Eng.	1	1799	3 Sept.
Jackson and Co., Dunedin, N.Z.	45	1844	4 Nov.
Jameson and Son (Limited), J., Dublin, Ireland	43	1810	18 Sept.
Jeyes' Sanitary Compounds Co. (Limited), London, Eng.	2	1863	3 Dec.
Jeyes' Sanitary Compounds Co. (Limited), London, Eng.	2	1869	20 Nov.
Joyce, B., and others, Wellington, N.Z.	15	1837	29 Oct.
Kaipoi Woollen Manufacturing Co. (Limited), The, Christchurch, N.Z.	38	1660	25 March.
Kaipoi Woollen Manufacturing Co. (Limited), The, Christchurch, N.Z.	38	1661	25 March.
Koko Maricopas Co. (Limited), London, Eng.	48	1800	3 Sept.
Konig, M., Christchurch, N.Z.	38	1603	3 Jan.
Kurruwa Association, The, London, Eng.	42	1648	21 Feb.
Laidlaw and Sandeman, Galashiels and Leith, Scotland. (See Sandeman, A. F., No. 1632.)			
Laurie, W. S., Auckland, N.Z.	2	1676	17 April.
Laurie, W. and S., Auckland, N.Z. (See Laurie, W. S., No. 1676.)			
Leach, G. E., and two others, Redditch, Eng.	49	1764	6 Aug.
Leicester, H., Wellington, N.Z.	2	1833	23 Oct.
Lever Brothers (Limited), Sydney, N.S.W., and Birkenhead, Eng.	47	1614	15 Jan.
Lever Brothers (Limited), Sydney, N.S.W., and Birkenhead, Eng.	42	1615	15 Jan.
Lever Brothers (Limited), Sydney, N.S.W.	47	1765	6 Aug.
Lister and Co., J. E., Christchurch, N.Z.	44	1821	6 Oct.
London Dairy, Auckland, N.Z. (See J. H. Harris, No. 1736.)			
Mack, J. B., Kaiwarawara, Wellington, N.Z.	47	1718	19 June.
Manning and Co., S., Christchurch, N.Z.	43	1710	11 June.
Marriott Cycle Company (Limited), The, London and Birmingham, Eng.	22	1867	7 Dec.
Marshall's Chemical Company (Limited), Dunedin, N.Z.	47	1701	30 May.
Marshall's Chemical Company (Limited), Dunedin, N.Z.	3	1702	30 May.
Marshall's Chemical Company (Limited), Dunedin, N.Z.	47	1775	10 Aug.
Mason, Struthers, and Co., Christchurch, N.Z.	47	1763	3 Aug.
Maypole Soap Syndicate (Limited), The, London, Eng.	1	1624	29 Jan.
Maypole Soap Syndicate (Limited), The, London, Eng.	4	1625	29 Jan.
Maypole Soap Syndicate (Limited), The, London, Eng.	47	1658	29 Jan.
McFarlane, A. and J., Dunedin, N.Z.	42	1737	8 July.
McFarlane, A. and J., Dunedin, N.Z.	42	1738	8 July.
McFarlane, A. and J., Dunedin, N.Z.	42	1739	8 July.
McFarlane, A. and J., Dunedin, N.Z.	42	1740	8 July.
McFarlane, A. and J., Dunedin, N.Z.	42	1845	4 Nov.
McKee, R. J., and two others, Wellington, N.Z.	15	1837	29 Oct.
McLeod Brothers (Limited), Dunedin, N.Z.	48	1814	6 Oct.
Mildenhall, J., Auckland, N.Z.	2	1730	30 June.
Milner's Safety Cycle Company (Limited), London, Eng.	22	1861	26 Nov.
Mitchell and Co., D., Sydney, N.S.W.	42	1830	17 Oct.
Moffett and Co., Invercargill, N.Z.	44	1871	14 Oct.
Montgomerie and Co. (Limited), Lanark, Scotland	42	1697	21 May.
Morgan Crucible Company (Limited), The, London, Eng.	50	1605	6 Jan.
Mumm and Co., G. H., Rheims, France	43	1725	24 June.
Mumm and Co., G. H., Rheims, France	43	1726	24 June.
National Starch Manufacturing Company, The, Covington and New York, U.S.A.	42	1859	26 Nov.
National Starch Manufacturing Company, The, Covington and New York, U.S.A.	47	1860	26 Nov.
Neill and Company (Limited), Dunedin, N.Z.	42	1762	3 Aug.
Nelson, Moate, and Co., Christchurch, N.Z.	42	1634	7 Feb.
Nelson, Moate, and Co., Christchurch, N.Z.	42	1635	7 Feb.
Nelson, H., Christchurch, N.Z.	42	1637	11 Feb.
Nelson, H., Christchurch, N.Z.	42	1638	11 Feb.
New Ormonde Cycle Company (Limited), The, Romford and London, Eng.	22	1685	28 April.
Newton, J., Kaiwarra, N.Z.	48	1677	22 April.
New Zealand Candle Company, The, Wellington, N.Z.	47	1650	29 Feb.
New Zealand Farmers' Dairy Union (Limited), Wellington, N.Z.	42	1824	10 Oct.
New Zealand Farmers' Dairy Union (Limited), Wellington, N.Z.	42	1825	10 Oct.
New Zealand Farmers' Dairy Union (Limited), Wellington, N.Z.	42	1826	10 Oct.
New Zealand Farmers' Dairy Union (Limited), Wellington, N.Z.	42	1827	10 Oct.
New Zealand Loan and Mercantile Agency Company (Limited), The, Wellington, N.Z.	42	1808	15 Sept.
Nind, Ward, and Co., Christchurch, N.Z.	6	1794	3 Sept.
Nind, Ward, and Co., Christchurch, N.Z.	22	1795	3 Sept.
Northern Boot and Shoe Manufacturing Company (Limited), The, Auckland, N.Z.	38	1852	18 Nov.
Ormonde Cycle Company (Limited), The, Romford and London, Eng.	22	1685	28 April.
Owl Yeast Company, The, Chicago, U.S.A. (See E. W. Gillett, No. 1770.)			
Pearce, E., Wellington, N.Z.	38	1684	27 April.
Penwarden, D., Omato, Taranaki, N.Z.	42	1847	6 Nov.
Pinet, F., Paris, France	38	1879	29 Dec.
Pinet, F., Paris, France	38	1880	29 Dec.
Plowman. (See Gifford, Plowman and Co.)			
Pneumatic Tire Company (Limited), The, Dublin, Ireland	40	1663	30 March.
Pommery and Greno, Reims, France. (See Veuve Pommery Fils, et Cie, No. 1779.)			
Pommery and Greno, Reims, France. (See Veuve Pommery Fils, et Cie, No. 1780.)			
Prest, E., and another, London, Eng.	50	1652	4 March.
Prest, E., and another, London, Eng.	50	1653	4 March.
Price's Patent Candle Company (Limited), Battersea, Eng.	3	1706	3 June.
Price's Patent Candle Company (Limited), Battersea, Eng.	47	1707	3 June.
Price's Patent Candle Company (Limited), Battersea, Eng.	48	1708	3 June.

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

Name and Address.	No. of Classes.	No. of Applica- tion.	Date.
Rainbow, W., Christchurch, N.Z.	3	1612	11 Jan.
Rattray and Son, J., Dunedin, N.Z.	42	1771	7 Aug.
Rattray and Son, J., Dunedin, N.Z.	42	1776	10 Aug.
Rattray and Son, J., Dunedin, N.Z.	47	1815	5 Oct.
Reynolds, M. H., Christchurch, N.Z.	42	1877	24 Dec.
Rheinisch Westfälische Thomas Phosphat Fabrikenactien-Gesellschaft, Cologne-on-the- Rhine, Germany	2	1720	20 June.
Riverina Frozen Meat Company (Limited), The, Melbourne, Victoria	42	1636	10 Feb.
Riverina Frozen Meat Company (Limited), The, Melbourne, Victoria	2	1664	30 March.
Riverina Frozen Meat Company (Limited), The, Melbourne, Victoria	4	1665	30 March.
Roberts, F. G. A., and others, London, Eng.	42	1666	30 March.
Roberts, F. G. A., and others, London, Eng.	42	1667	30 March.
Roberts, F. G. A., and others, London, Eng.	42	1672	30 March.
Robjohns, Hindmarsh and Company, Napier, N.Z.	42	1686	29 April.
Robjohns, Hindmarsh and Company, Napier, N.Z.	42	1687	29 April.
Robjohns, Hindmarsh and Company, Napier, N.Z.	42	1688	29 April.
Robjohns, Hindmarsh and Company, Napier, N.Z.	42	1695	11 May.
Robjohns, Hindmarsh and Company, Napier, N.Z.	42	1875	24 Dec.
Rowlands, E., Sydney, N.S.W.	44	1727	24 June.
Rowlands, E., Sydney, N.S.W.	44	1728	24 June.
Russ, C., Neuchatel, Switzerland.	42	1659	23 March.
Russ, Suchard and Company, Neuchatel, Switzerland. (See Russ, C., No. 1659.)			
Russell, E. R. N., Auckland, N.Z.	2	1741	9 July.
Salt Union (Limited), The, London and Liverpool, England	42	1639	11 Feb.
Sandeman, A. F., Galashiels and Leith, Scotland.	43	1632	3 Feb.
Sanderson, E. V., and another, Wellington, N.Z.	50	1700	30 May.
Scarborough, Nephew, and Company, Halifax, Eng.	34	1816	5 Oct.
Schmidt, C. W., Stratford, Eng.	1	1769	6 Aug.
Seymour, J. G., and another, Melbourne, Vic.	18	1823	9 Oct.
Sharland and Company (Limited), Auckland, N.Z.	42	1656	11 March.
Sharland and Company (Limited), Auckland and Wellington, N.Z.	3	1801	4 Sept.
Sharland and Company (Limited), Auckland and Wellington, N.Z.	3	1802	4 Sept.
Sharland, W. C., Auckland, N.Z.	3	1705	3 June.
Smith and Ekenberg, Muswellbrook, N.S.W. (See Smith, W. H.; Ekenberg, C., No. 1732.)			
Smith, E., Christchurch, N.Z.	2	1649	25 Feb.
Smith, R., Macclesfield, Eng.	42	1791	25 Aug.
Smith, W. H., and another, Muswellbrook, N.S.W.	42	1732	25 June.
Sorrell, W. E., Christchurch, N.Z.	39	1831	23 Oct.
Spencer, C., Auckland, N.Z.	1	1719	19 June.
Standfield, E. R., and another, Christchurch, N.Z.	47	1655	11 March.
Strange and Company, W., Christchurch, N.Z.	33	1642	13 Feb.
Strange and Company, W., Christchurch, N.Z.	34	1643	13 Feb.
Strange and Company, W., Christchurch, N.Z.	35	1644	13 Feb.
Strange and Company, W., Christchurch, N.Z.	38	1645	13 Feb.
Stubbs, C., Kumara, N.Z.	3	1774	10 Aug.
Sutton Brothers, Melbourne, Vic.	22	1751	22 July.
Sutton Brothers, Melbourne, Vic.	22	1811	18 Sept.
Sydney Gristing Company, The, Sydney, N.S.W. (See Brodie, J. H., No. 1717.)			
Taddy and Co., London, Eng. (See Hatfield, G.; Hatfield, G. E., No. 1807.)			
Taddy and Co., J., London, Eng. (See Hatfield, G.; Hatfield, G. E., No. 1807.)			
Thompson, E., Nottingham, Eng.	3	1781	12 Aug.
Thomson, A., Dunedin, N.Z.	44	1646	17 Feb.
Thomson and Co., Dunedin, N.Z. (See Thomson, A., No. 1646.)			
Townend, W. P., Christchurch, N.Z.	3	1822	9 Oct.
Triumph Cycle Co. (Ltd.), Coventry, Eng.	22	1750	22 July.
Tucker and Co., C. H., Dunedin, N.Z.	42	1683	24 April.
Turnbull and Co., W. and G., Wellington, N.Z.	42	1691	6 May.
Turnbull and Co., W. and G., Wellington, N.Z.	42	1692	6 May.
Tyree, A., Christchurch, N.Z.	38	1721	20 June.
Union Oil, Soap, and Candle Company (Limited), Auckland	47	1602	3 Jan.
Van Hoboken and Co., A., Rotterdam, Holland	43	1693	7 May.
Van Hoboken and Co., A., Rotterdam, Holland	43	1694	7 May.
Vanner and Prest, London, Eng. (See Vanner, H. T.; Prest, E., No. 1652.)			
Vanner and Prest, London, Eng. (See Vanner, H. T.; Prest, E., No. 1653.)			
Vanner, H. T., and another, London, Eng.	50	1652	4 March.
Vanner, H. T., and another, London, Eng.	50	1653	4 March.
Veuve Pommery, Fils, et Cie, Reims, France	43	1779	12 Aug.
Veuve Pommery, Fils, et Cie, Reims, France	43	1780	12 Aug.
Vincent, S., Christchurch, N.Z.	48	1772	10 Aug.
Vincent, S., Christchurch, N.Z.	3	1787	10 Aug.
Vincent, S., Sydenham, N.Z.	3	1803	8 Sept.
Vincent, S., Sydenham, N.Z.	3	1804	8 Sept.
Vogeler Company, The, Charles A., London, Eng., and Baltimore, U.S.A.	3	1872	17 Dec.
Volcanic Pumice Soap Company, The, Wanganui, N.Z. (See A. Hatrick, No. 1618.)			
Wairarapa Farmers Co-operative Association (Limited), The, Masterton, N.Z.	42	1627	31 Jan.
Waitotahi Co-operative Dairy Factory Company (Limited), The, Tuamarina, Marlborough, N.Z.	42	1790	24 Aug.
Ward. (See Nind, Ward, and Co.)			
Warkwald, H., Melbourne, Vic.	1	1619	21 Jan.
Warkwald, H., Melbourne, Vic.	4	1620	21 Jan.
Warkwald, H., Melbourne, Vic.	4	1621	21 Jan.
Warrick Bros., London, Eng.	3	1724	22 June.
Webber, W., Launceston, Tas.	3	1670	1 April.
Wellington Meat Export Company (Limited), The, Wellington, N.Z.	42	1870	11 Dec.
White's Non-corrosive, Preserving, and Fire-resisting Paint Company (Limited), Christ- church, N.Z.	1	1854	24 Nov.

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

Name and Address.	No. of Class.	No. of Application.	Date.
Wilkins and Field, Wellington, N.Z.	5	1715	18 June.
Wilkins and Field, Wellington, N.Z.	12	1716	18 June.
Williams, A., and two others, Redditch, Eng. ..	49	1764	6 Aug.
Williams Company, T. C., Richmond, U.S.A. ..	45	1640	11 Feb.
Williams Company, T. C., Richmond, U.S.A. ..	45	1641	11 Feb.
Wimble and Company, F. T., Sydney, N.S.W. ..	39	1842	4 Nov.
Wimble, F. T., Sydney, N.S.W. (See F. T. Wimble and Company, No. 1842.)			
Windle. (See Brace, Windle, Blyth, and Co.)			
Woodberry Manufacturing Company, Baltimore, U.S.A. ..	25	1777	12 Aug.
Woodberry Manufacturing Company, Baltimore, U.S.A. ..	25	1778	12 Aug.
Worthy, E. T. B., Hawera, N.Z.	2	1673	9 April.
Worthy, E. T. B., Hawera, N.Z.	3	1674	9 April.
Wright, Stephenson, and Company, Dunedin, Invercargill, and Gore, N.Z. ..	46	1862	1 Dec.
Zealandia Soap and Candle Company (Limited), The, Woolston, N.Z. ..	47	1734	3 July.

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