

1898.  
NEW ZEALAND.

## PATENTS, DESIGNS, AND TRADE MARKS.

(NINTH ANNUAL REPORT OF THE REGISTRAR.)

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

In pursuance of the provisions of "The Patents, Designs, and Trade Marks Act, 1889," I have the honour to present the annual report on the business of the Patent Office for the year ending the 31st December, 1897.

The returns and tables printed in the Appendix to this report show that the business of the office still continues to increase. The total number of applications received during the year was 1,492, and the total revenue £3,183 9s. The surplus of revenue over expenditure was £2,608 13s. 10d.

Patent Office, Wellington, 20th September, 1898.

F. WALDEGRAVE,  
Registrar.

### APPENDIX.

#### A.—BALANCE-SHEET of INCOME and EXPENDITURE for the Year ending 31st December, 1897.

<i>Income.</i>			£	s.	d.	<i>Expenditure.</i>			£	s.	d.
Patent fees	...	...	2,751	1	6	Salaries	...	...	375	0	0
Design fees	...	...	7	4	0	Copying specifications, &c.	...	...	32	7	1
Trade-mark fees	...	...	423	11	0	Fees to Patent Office Agents	...	...	50	10	0
Acts...	...	...	1	6	0	Printing and stationery from Government Printing Office	...	...	50	6	9
Other receipts	...	...	0	6	6	Binding, freight, &c., of British specifications	...	...	38	1	2
						Fees refunded	...	...	25	16	6
						Incidental expenses	...	...	2	13	8
						Surplus for year	...	...	2,608	13	10
			<u>£3,183</u>	<u>9</u>	<u>0</u>				<u>£3,183</u>	<u>9</u>	<u>0</u>

#### B.—TABLE showing REVENUE and EXPENDITURE for each of the last SEVEN Years.

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	1895	..	2,170 9 6	464 15 8	1,705 13 10								
1892	..	1,825 6 0	361 18 10	1,463 7 2	1896	..	2,583 0 6	564 6 10	2,018 13 8								
1893	..	2,150 2 0	396 8 3	1,753 13 9	1897	..	3,183 9 0	574 15 2	2,608 13 10								
1894	..	2,477 7 0	536 6 11	1,941 0 1													

## C.—PARTICULARS of FEES received from the 1st JANUARY to the 31st DECEMBER, 1897.

	Number.	Fees. — Each.	Amount received.
<b>PATENTS.</b>			
Applications for patents with provisional specifications* .. .. .	575	£ s. 0 10	£ s. d. 287 10 0
Applications for patents with complete specifications* .. .. .	521	0 10	260 10 0
Applications for patents with specifications described neither as "provisional" nor "complete" .. .. .	2	0 10	1 0 0
Complete specifications left after provisional specifications .. .. .	110	0 10	55 0 0
Issue of letters patent .. .. .	503	2 0	1,006 0 0
Applications to amend specifications .. .. .	5	1 0	5 0 0
Second-term fees payable before end of fourth year .. .. .	101	5 0	505 0 0
Third-term fees payable before end of seventh year .. .. .	41	10 0	410 0 0
Notices of opposition .. .. .	6	0 10	3 0 0
Hearing objections .. .. .	2	2 0	4 0 0
Applications for extension of time for filing complete specifications .. .. .	2	1 0	2 0 0
Grant of such extension .. .. .	1	5 0	5 0 0
Applications for enlargement of time for payment of fees .. .. .	18	1 0	18 0 0
Grant of such enlargement .. .. .	15	3 0	45 0 0
Searches .. .. .	260	0 1	13 0 0
Registration of assignments and licenses .. .. .	66	0 10	33 0 0
Certificates of such registration .. .. .	51	0 10	25 10 0
Copies of specifications, drawings, &c. .. .. .	..	..	59 7 0
Certifying copies not made by office .. .. .	10	0 1	0 10 0
Applications to correct clerical errors in specifications, &c. .. .. .	2	0 5	0 10 0
Registration of Patent Agents .. .. .	2	1 1	2 2 0
Miscellaneous† .. .. .	..	..	10 2 6
	..	..	£2,751 1 6
<b>DESIGNS.</b>			
Applications for registration of designs .. .. .	14	0 10	7 0 0
Copies of certificates of registration .. .. .	4	0 1	0 4 0
	..	..	£7 4 0
<b>TRADE-MARKS.</b>			
Applications for registration of trade-marks* .. .. .	369	0 5	92 5 0
Registration of trade-marks (including two "series") .. .. .	..	£1 & 5s.	261 15 0
Registration of assignments .. .. .	51	£1 & 2s.	31 1 0
Certificates of registration of assignments .. .. .	..	..	9 12 0
Notices of opposition .. .. .	5	1 0	5 0 0
Cancellation of registration of trade-mark .. .. .	3	0 5	0 15 0
Correction of register .. .. .	2	0 10	1 0 0
Request for correction of clerical error .. .. .	2	0 5	0 10 0
Certificate of refusal to register a mark .. .. .	1	1 0	1 0 0
Copies of documents .. .. .	..	..	1 0 0
Searches .. .. .	110	0 1	5 10 0
Advertisements: Cost of extra space in <i>Gazette</i> .. .. .	..	..	10 19 0
Miscellaneous† .. .. .	..	..	3 4 0
	..	..	£423 11 0

\* Some of the applications included in this year's total were paid for last year, and this will account for the figures here differing from those given in other places.

† Chiefly odd amounts sent for fees, partly paid in 1896, or not due till present year.

## D.—STAFF of OFFICERS and PRESENT SALARIES.

Registrar* .. .. .	..	..	..	..	..	£
Deputy-Registrar .. .. .	..	..	..	..	..	Nil.
Clerk .. .. .	..	..	..	..	..	210
Cadet .. .. .	..	..	..	..	..	110
						65

\* Also Under-Secretary for Justice.

£385

## E.—NUMBER of PROVISIONAL and COMPLETE SPECIFICATIONS RECEIVED, &amp;c., under Act of 1889.

Year.	Number of Applications with which Complete Specifications lodged.		Number of Applications with which Provisional Specifications lodged.		Number of Applications for which Complete Specifications subsequently lodged.		Number of Applications abandoned, lapsed, or refused.		Number of Patents sealed.		Total Number of Applications.
	N.Z.	Foreign.	N.Z.	Foreign.	N.Z.	Foreign.	N.Z.	Foreign.	N.Z.	Foreign.	
1890	242	207	107	60	27	17	202	50	147	217	616
1891	187	207	126	69	29	25	191	50	122	226	589
1892	202	191	160	53	40	16	237	43	125	201	606
1893	198	178	197	52	51	24	262	30	133	200	625
1894	278	166	251	61	69	16	352	51	177	176	756
1895	229	201	307	79	75	34	403	51	133	229	816
1896	299	275	318	100	68	33	439	75	185	293	992
1897	217	303	444	129	*	*	*	*	*	*	1,093

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

F.—TOTAL NUMBER of APPLICATIONS for PATENTS, and REGISTRATION of DESIGNS and TRADE-MARKS recorded for the Years 1890 to 1897 inclusive.

Year.	Patents.	Designs.	Trade-marks.	Total.
1890	616	5	160	781
1891	589	4	225	818
1892	606	10	290	906
1893	625	1	325	951
1894	756	15	347	1,118
1895	816	14	254	1,084
1896	992	27	279	1,298
1897	1,093	13	361	1,467

G.—NUMBER of APPLICATIONS for PATENTS from Persons residing in New Zealand and other Colonies and Countries in each of the Years 1895, 1896, and 1897.

	1895.	1896.	1897.		1895.	1896.	1897.
New Zealand .. .. .	547	619	661	Ottoman Empire .. .. .	..	1	..
Argentine Republic .. .. .	..	1	1	Queensland .. .. .	..	8	13
Austria .. .. .	..	1	2	Russia .. .. .	..	1	..
Belgium .. .. .	2	2	3	South African Republic .. .. .	..	3	10
Canada .. .. .	2	2	12	South Australia .. .. .	..	5	17
Denmark .. .. .	2	2	2	Spain .. .. .	..	..	1
France .. .. .	6	8	11	Sweden .. .. .	..	4	2
Germany .. .. .	8	12	10	Tasmania .. .. .	..	6	5
India .. .. .	..	..	1	United Kingdom .. .. .	..	71	106
Italy .. .. .	2	1	2	United States .. .. .	..	38	51
Natal .. .. .	..	..	1	Uruguay .. .. .	..	..	1
New South Wales .. .. .	43	72	65	Victoria .. .. .	..	76	82
Norway .. .. .	..	..	2	Western Australia .. .. .	..	1	4

NOTE.—In 1897, three applications were received from joint applicants resident in different countries; the figures for that year will, therefore, total three 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 1895, 1896, and 1897.

	1895.	1896.	1897.		1895.	1896.	1897.
New Zealand .. .. .	124	156	167	Norway .. .. .	..	..*	1
Belgium .. .. .	1	3	..	Queensland .. .. .	..	..	3
Canada .. .. .	..	..	1	South Australia .. .. .	..	..	2
Cuba .. .. .	3	6	..	Switzerland .. .. .	..	1	2
Egypt .. .. .	..	..	1	Tasmania .. .. .	..	1	..
France .. .. .	6	6	5	United Kingdom .. .. .	..	79	77
Germany .. .. .	2	2	4	United States .. .. .	..	13	10
Holland .. .. .	1	2	1	Victoria .. .. .	..	5	11
India .. .. .	..	..	1	Western Australia .. .. .	..	1	..
New South Wales .. .. .	22	14	25				

NOTE.—In 1897, twelve applications were received from persons giving addresses in two countries and ten from persons giving addresses in three countries; the figures for that year will, therefore, total thirty-two more than the actual number of applications received.

## I.—NUMBER of Applications to register Trade Marks, in the Fifty different Classes, in each of the Years 1895, 1896, and 1897.

Classes.	Classification of Goods.	1895.	1896.	1897.
1	Chemical substances used in manufactures, photography, or philosophical research, and anti-corrosives	8	9	5
2	Chemical substances used for agricultural, horticultural, veterinary, and sanitary purposes	14	13	12
3	Chemical substances prepared for use in medicine and pharmacy	24	24	40
4	Raw or partly-prepared vegetable, animal, and mineral substances used in manufactures not included in other classes	..	7	7
5	Unwrought and partly-wrought metals used in manufacture	1	1	3
6	Machinery of all kinds, and parts of machinery, except agricultural and horticultural machines included in Class 7	2	2	4
7	Agricultural and horticultural machinery, and parts of such machinery	4	3	1
8	Philosophical instruments, scientific instruments, and apparatus for useful purposes; instruments and apparatus for teaching	1	..	..
9	Musical instruments	..	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	..	3	4
13	Metal goods not included in other classes	4	1	6
14	Goods of precious metals (including aluminium, nickel, Britannia-metal, &c.) and jewellery, and imitations of such goods and jewellery	1	..	2
15	Glass	..	3	3
16	Porcelain and earthenware	..	..	1
17	Manufactures from mineral and other substances for building or decoration	..	..	..
18	Engineering, architectural, and building contrivances	3	1	6
19	Arms, ammunition, and stores not included in Class 20	1	..	1
20	Explosive substances	..	2	1
21	Naval architectural contrivances and naval equipments	..	..	..
22	Carriages	7	14	28
23	Cotton yarn and thread	..	1	2
24	Cotton piece-goods of all kinds	2	..	2
25	Cotton goods not included in Classes 23, 24, and 38	1	2	1
26	Linen and hemp yarn and thread	..	..	..
27	Linen and hemp piece-goods	..	2	1
28	Linen and hemp goods not included in Classes 26, 27, and 50	..	..	..
29	Jute yarns and tissues, and other articles made of jute not included in Class 50	..	..	..
30	Silk, spun, thrown, or sewing	..	..	..
31	Silk piece-goods	..	..	..
32	Other silk goods not included in Classes 30 and 31	..	..	..
33	Yarns of wool, worsted, or hair	..	1	..
34	Cloth and stuffs of wool, worsted, or hair	1	4	..
35	Woollen and worsted and hair goods not included in Classes 33 and 34	..	1	..
36	Carpets, floorcloth, and oilcloth	1	..	1
37	Leather, skins, unwrought and wrought, and articles made of leather not included in other classes	2	3	4
38	Articles of clothing	14	19	14
39	Paper (except paperhangings), stationery, and bookbinding	1	3	6
40	Goods manufactured from indiarubber and guttapercha not included in other classes	..	1	1
41	Furniture and upholstery	1	..	..
42	Substances used as food or ingredients in food	75	84	91
43	Fermented liquors and spirits	14	12	22
44	Mineral and aerated waters, natural and artificial, including ginger-beer	10	7	11
45	Tobacco, whether manufactured or unmanufactured	18	14	27
46	Seeds for agricultural or horticultural purposes	2	2	1
47	Candles, common soap, detergents; illuminating, heating, or lubricating oils; matches; and starch, blue, and other preparations for laundry purposes	26	21	29
48	Perfumery (including toilet articles), preparations for the teeth and hair, and perfumed soap	9	6	9
49	Games of all kinds, and sporting articles not included in other classes	..	1	1
50	Miscellaneous	6	11	13

J.—ALPHABETICAL LIST OF APPLICANTS FOR PATENTS FOR THE YEAR 1897.  
[\* Denotes a prior date under section 106 of "The Patents, Designs, and Trade-Marks Act, 1889."]

Name, Residence, and Invention.	No.	Date.
Abel, R. S., and another, Auckland, N.Z. Holder for check-books .. ..	9346	13 March.
Acton, J., Pleasant Point, Canterbury, N.Z. Sack-elevator .. ..	9439	12 April.
Acton, J., Pleasant Point, Canterbury, N.Z. Fencing standard .. ..	9961	29 Sept.
Adams, A., Sydney, N.S.W. Flying-machine .. ..	10027	21 Oct.
Adams, F., Sydney, N.S.W. Advertising medium .. ..	9590	3 June.
Adams, H. H., Thames, N.Z. Stamps and stamper-dies for reducing ores, &c. ..	9813	17 Aug.
Adlard, G. E., Auckland, N.Z. Egg-cup .. ..	9998	12 Oct.
Aitchison, J., Dunedin, N.Z. Portière-rods .. ..	9623	18 June.
Aitken, W., Oamaru, N.Z. Hame-hook for horse-collars .. ..	10196	6 Dec.
Aitkens, G., Hawera, N.Z. Cycle .. ..	9184	11 Jan.
Aitkens, G., Hawera, N.Z. Freezing meat .. ..	9237	30 Jan.
Aitkens, G., Hawera, N.Z. Confectionery-box .. ..	9398	31 March.
Aitkens, G., and another, Hawera, N.Z. Collapsible box .. ..	9412	7 April.
Aitkens, G., and another, Hawera, N.Z. Window-sash fastener .. ..	9429	10 April.
Aitkens, G., and another, Hawera, N.Z. Bucket-handle .. ..	9430	10 April.
Aitkens, G., and another, Hawera, N.Z. Distending mouths of bags, &c. ..	9517	12 May.
Aitkens, G., and another, Wellington, N.Z. Non-refillable bottle .. ..	9902	13 Sept.
Aitkens, G., and another, Hawera, N.Z. Branding-composition .. ..	9978	9 Oct.
Aitkens, G., and others, Wellington, N.Z. Distending mouths of bags, &c. ..	9567	26 May.
Albrecht, F., Melbourne, Vic. Lamp- or candle-holder .. ..	9797	16 Aug.
Aldridge, C. W. G., and another, London, Eng. Fire-escape .. ..	9572	28 May.
Alexander, A., and another, Normanby, N.Z. Ploughing and harrowing implement ..	10110	10 Nov.
Alexander, J., Wellington, N.Z. Milk-cooler or -heater .. ..	9224	25 Jan.
Allan, J. F., Adelaide, S.A. (See H. Bowen, No. 9967.)		
Allen, E. T., Rangiora, N.Z. Harness-cleaning composition .. ..	9515	7 May.
Allsop, J. T., Timaru, N.Z. Fixing shares to tines of cultivators .. ..	9467	22 April.
American Tobacco Company of New Zealand (Limited), The, Auckland, N.Z. Cigarette-arranging mechanism. (D. B. Strouse)	9337	9 March.
American Tobacco Company of New Zealand (Limited), The, Auckland, N.Z. Machine for making cigarette-fillers. (J. A. Bonsack)	9367	19 March.
American Tobacco Company of New Zealand (Limited), The, Auckland, N.Z. Cigarette-machine. (N. J. Evans)	9407	6 April.
American Tobacco Company of New Zealand (Limited), The, Auckland, N.Z. Cigarette-machine. (D. J. Campbell)	9459	22 April.
American Tobacco Company of New Zealand (Limited), The, Auckland, N.Z. Elliptical cigarette. (D. J. Campbell)	9460	22 April.
American Tobacco Company of New Zealand (Limited), The, Auckland, N.Z. Box-making machine. (W. H. Butler)	9774	11 Aug.
Ancel, J., Paris, France. Ore-sorter .. ..	10063	28 Oct.
Anderson, C., Rangiora, N.Z. Horse-cover .. ..	9501	5 May.
Anderson, C., Rangiora, N.Z. Securing harness-traces .. ..	9736	31 July.
Anderson, J., Dunedin, N.Z. Hot-water circulating cistern .. ..	9266	9 Feb.
Andreoli, E., London, Eng. Recovering gold .. ..	9813	1 March.
Andrew, G. E., and another, Melbourne, Vic. Export crate for rabbits .. ..	9376	25 March.
Andrews, F., and another, London, Eng. (See Andrews Patent Bottle Lock Stopper Syndicate, Limited, No. 9294.)		
Andrews Patent Bottle Lock Stopper Syndicate (Limited), London, Eng. Stoppering bottles, jars, &c. (F. and W. Y. Andrews)	9294	24 Feb.
Andrews, W., and others, Wellington, N.Z. Registering votes at elections .. ..	10233	20 Dec.
Andrews, W. Y., and another, London, Eng. (See Andrews Patent Bottle Lock Stopper Syndicate, Limited, No. 9294.)		
Angas, J. H., Adelaide, S.A. Press .. ..	9631	24 June.
Anglo-French Motor-carriage Company (Limited), The, Birmingham, Eng. Self-propelling vehicle. (E. Roger)	9251	5 Feb.
Anglo-French Motor-carriage Company (Limited), The, Birmingham, Eng. Rotary motor or pump. (E. Roger)	9252	5 Feb.
Anglo-French Motor-carriage Company (Limited), The, Birmingham, Eng. Horseless carriage. (E. Gascoine, jun., C. D. Courtois)	9309	1 March.
Argall, P., Denver, U.S.A. Roasting and drying ores .. ..	10102	5 Nov.
Armstrong, J., London, Eng. Treating ores .. ..	9559	22 May.
Arnaboldi, J., Auckland, N.Z. Tire .. ..	9718	30 June.
Ashcroft, E. A., Newcastle, N.S.W. Treatment of zinc-ore .. ..	9809	20 Aug.
Ashwell, A. T., Nottingham, Eng. Duplicate printing apparatus. (W. H. Pike, jun.)	10054	27 Oct.
Ashwell, A. T., Nottingham, Eng. Printing-attachment for calculating-machine. (W. H. Pike, jun.)	10055	27 Oct.
Ashworth, H., Wadestown, Wellington, N.Z. Wool-drying .. ..	9226	26 Jan.
Ashworth, H., Wadestown, Wellington, N.Z. Wool-washing .. ..	9329	6 March.
Askin, G. K., Christchurch, N.Z. Gate-fastener .. ..	9302	24 Feb.
Atkinson, E., London, Eng. Non-refillable bottle. (J. Creasy)	10103	5 Nov.
Austin, W. L., Denver, U.S.A. Tuyère for furnace .. ..	9509	10 May.
Austin, W. L., Denver, U.S.A. (See E. Hall, No. 9577.)		
Avedyk, O., and another, Brussels, Belgium. Converting grain into dough .. ..	9165	4 Jan.
Ayson, T., Wyndham, Otago, N.Z. Force-feed for drills, &c. .. ..	10145	20 Nov.
Babbage, A. W., Wanganui, N.Z. Bicycle .. ..	9616	17 June.
Bäckström, C. A., Pittsburgh, U.S.A. Rotary Steam-engine .. ..	9254	5 Feb.
Baggström, E., and others, Auckland, N.Z. Screw-propeller blade .. ..	9373	20 March.
Baker, E. P., Dunedin, N.Z. Drench for horses, &c. .. ..	9408	6 April.
Baker, J. R., New Jersey, U.S.A. Railway-carriage journal-bearings .. ..	9699	19 July.
Baker, L. G., Wellington, N.Z. Displaying-bracket .. ..	10213	14 Dec.
Baldwin, C., Dunedin, N.Z. Composition for cleaning fabrics .. ..	9180	19 Nov. '96
Baldwin, W. I., Freeman's Reach, N.S.W. Calculating-machine .. ..	10235	22 Dec.
Ball, J., Wanganui, N.Z. Milk-safe .. ..	10065	27 Oct.
Balneaves, D., Hawera, N.Z. Mud-mat or scraper .. ..	9778	31 July.
Barnes, J. A., Christchurch, N.Z. Branding-machine .. ..	9476	26 April.
Barnes, W. W., Harrington, Eng. Furnace .. ..	9310	1 March.
Barnett, T., Melbourne, Vic. Milk-straining appliance .. ..	10255	29 Dec.

## ALPHABETICAL LIST OF APPLICANTS FOR PATENTS FOR THE YEAR 1897—continued.

Name, Residence, and Invention.	No.	Date.
Barton, E. L'E., Wellington, N.Z. Velocipede .. .. .	9236	29 Jan.
Barton, M. E., Dunedin, N.Z. Repairing punctures in tires .. .. .	9433	6 April.
Barton, M. E., Dunedin, N.Z. Bicycle-frame .. .. .	9493	3 May.
Basley, G. W., and others, Auckland, N.Z. Cross-arms balance for maintaining equilibrium of vehicles .. .. .	9557	18 May.
Basley, G. W., and others, Auckland, N.Z. Bearings and ends for balance for ends of under-carriages of vehicles .. .. .	9664	3 July.
Basley, G. W., and others, Auckland, N.Z. Heating-pan, steam-generator, and furnace combined .. .. .	9818	20 Aug.
Basquin, O. H., Chicago, U.S.A. (See J. M. Ewen, No. 10008.) .. .. .		
Basquin, O. H., Chicago, U.S.A. (See J. M. Ewen, No. 10016.) .. .. .		
Basquin, O. H., Chicago, U.S.A. (See J. M. Ewen, No. 10017.) .. .. .		
Basquin, O. H., and another, Chicago, U.S.A. (See J. M. Ewen, No. 10014) .. .. .		
Bassett, T., and another, Christchurch, N.Z. Rotary divider for reaper-and-binder .. .. .	9824	23 Aug.
Bate, M., Auckland, N.Z. Dust-collecting screen for batteries, &c. .. .. .	9640	24 June.
Bates, A. J., Joliet, Illinois, U.S.A. Woven-wire fence .. .. .	9336	6 March.
Baxter, A., Dunedin, N.Z. Wire-strainer .. .. .	9518	12 May.
Baxter, G., London, Eng. Cycle-brake .. .. .	9383	25 March.
Bayley, E. S., New Plymouth, N.Z. Plant-protector .. .. .	10041	19 Oct.
Baynes, F. W., and another, Melbourne, Vic. Reproducing phonographic records .. .. .	9265	12 Feb.
B.C.P. Powder Syndicate (Limited), and others, London, Eng. (See W. E. Hughes, No. 10059.) .. .. .		
Beaumont, G. E., and another, Dunedin, N.Z. Checking mechanism for looms .. .. .	9453	22 April.
Beaumont, G. E., and others, Dunedin, N.Z. Driving mechanism for velocipedes .. .. .	9199	14 Jan.
Beaumont, G. E., and others, Dunedin, N.Z. Pedal-crank for velocipedes .. .. .	9345	13 March.
Beaumont, G. E., and others, Dunedin, N.Z. Pedal-crank for velocipedes .. .. .	9644	30 June.
Becker, B., Eupen, Germany. Extracting precious metals .. .. .	9371	23 March.
Bedell, H. G., Wellington, N.Z. Torpedo .. .. .	9404	5 April.
Bedell, H. G., Wellington, N.Z. Non-refillable bottle .. .. .	10061	28 Oct.
Beebe, J. D., Portland, U.S.A. (See the Beebe Patent Syndicate, No. 9784.) .. .. .		
Beebe Patent Syndicate, The London, Eng. Tire. (J. D. Beebe) .. .. .	9784	13 Aug.
Beere, G. B., and another, Thames, N.Z. Loading-platform for aerial tramway .. .. .	9267	10 Feb.
Beere, W. O., Wellington, N.Z. Magnetic motor .. .. .	10121	13 Nov.
Begg, K. S., Dunedin, N.Z. Absorbent plug for tobacco-pipe .. .. .	9588	4 June.
Belcher, H., and others, Beeston, Eng. Cycle-frame joints .. .. .	10242	23 Dec.
Belcher, H. F., Chicago, U.S.A. (See J. M. Ewen, No. 10013.) .. .. .		
Belcher, H. F., and another, Chicago, U.S.A. (See J. M. Ewen, No. 10011.) .. .. .		
Belk, J. A., Wellington, N.Z. Velocipede driving-gear .. .. .	9636	26 June.
Belk, J. A., Feilding, N.Z. Tin-opener .. .. .	9984	12 Oct.
Belk, J. A., Wellington, N.Z. Motor .. .. .	10122	13 Nov.
Belk, J. A., Wellington, N.Z. Raising sunken vessels .. .. .	10123	13 Nov.
Belk, J. A., Wellington, N.Z. Propeller .. .. .	10124	13 Nov.
Belk, J. A., and another, Wellington, N.Z. Marking meat .. .. .	9384	24 March.
Belk, M., Wellington, N.Z. Ready-reckoner .. .. .	9260	11 Feb.
Belk, M., Palmerston North, N.Z. Ready-reckoner .. .. .	9688	14 July.
Belk, M., and another, Palmerston North, N.Z. Marking meat .. .. .	9384	24 March.
Bell, T. D., York, Eng. (See J. J. Shannessy, No. 9253.) .. .. .		
Bellemev, C., and another, Wollahra, N.S.W. Wheel .. .. .	9213	21 Jan.
Bellemev, R. T., and another, Sydney, N.S.W. Wheel .. .. .	9213	21 Jan.
Bennie, J., and others, Greymouth, N.Z. Feeding-bottle heater and foot-warmer .. .. .	10079	6 Sept.
Bergin, A., Wellington, N.Z. Flax-dressing process .. .. .	9963	7 Oct.
Berry, J., and another, Dunedin, N.Z. Checking mechanism for looms .. .. .	9453	22 April.
Best, J. F., and another, Christchurch, N.Z. Bicycle-pedal .. .. .	9615	17 June.
Bielefeldt, M., Wittenberg, Germany. (See the British and Colonial Colliery Supply Association, Limited, No. 10177.) .. .. .		
Billett, L., and another, Sydney, N.S.W. Tuyère for forge .. .. .	9534	19 May.
Billing, F., and another, Birmingham, Eng. Joining tubing to sockets .. .. .	9166	4 Jan.
Black, J. G., and another, Dunedin, N.Z. Extracting gold .. .. .	9648	30 June.
Black, J. G., and another, Dunedin, N.Z. Extracting gold .. .. .	9763	9 Aug.
Blacke, D. E., Invercargill, N.Z. Spark-extinguisher .. .. .	9597	4 June.
Blacke, D. E., Invercargill, N.Z. Blotter and ruler combined .. .. .	10133	12 Nov.
Blacket, O., Sydney, N.S.W. Ore-concentrator .. .. .	9493	1 May.
Blackmore, S. P., and others, Johannesburg, South African Republic. Rock-drill .. .. .	9245	3 Feb.
Blahnik, A., Paris, France. (See the British Blahnik Arc Light Company, Limited, No. 9539.) .. .. .		
Bland, H. Waverley, N.S.W. (See J. Martin, No. 9789.) .. .. .		
Blanton, E. A., jun., Wallingford, U.S.A. Securing cams upon shafts .. .. .	9585	3 June.
Bluck, M. T. N., and another, Auckland, N.Z. Electric ignition for engines .. .. .	9748	29 July.
Bluck, M. T. N., and another, Auckland, N.Z. Valve gearing for engines .. .. .	9749	29 July.
Bluck, M. T. N., and another, Auckland, N.Z. Vaporizer for oil- or spirit-engine .. .. .	9750	29 July.
Bluck, M. T. N., and another, Auckland, N.Z. Oil, gas, or internal-combustion engine .. .. .	10231	15 Dec.
Bock, A., Copenhagen, Denmark. Candle-lantern .. .. .	9642	30 June.
Body, A. J. B., Melbourne, Vic. Torpedo-boat .. .. .	10254	29 Dec.
Body, M., Brussels, Belgium. (See Societé Anonyme de Traitement de l'or Combiné, No. 9686.) .. .. .		
Boidin, A., and another, Seclin, France. Extracting alcohol .. .. .	10164	26 Nov.
Bond, E., and another, Auckland, N.Z. Rotary engine .. .. .	9678	8 July.
Bones, G. J., and another, Melbourne, Vic. Cycle racing or exercising machine .. .. .	9955	2 Oct.
Bonnin, A., and another, Adelaide, S.A. Bootlace-fastener .. .. .	9298	25 Feb.
Bonsack, J. A., Philadelphia, U.S.A. (See the American Tobacco Company of New Zealand, Limited, No. 9367.) .. .. .		
Booth, G. T., Christchurch, N.Z. Double-acting pump .. .. .	9983	11 Oct.
Booth, G. T., and another, Christchurch, N.Z. Reducing temperature of storage-chambers .. .. .	9201	14 Jan.
Booth, J., and others, Sydney, N.S.W. Cycle driving gear .. .. .	9263	13 Feb.
Borsum, J., Lillehammer, Norway. Threshing-machine .. .. .	10241	23 Dec.
Boucher, G. W., and others, London, Eng. Wheel .. .. .	9198	14 Jan.
Bowen, E., Kotandra, Vic. Wire-strainer and -splicer .. .. .	9886	9 Sept.
Bowen, H., Kensington, S.A. Buggy. (J. F. Allan) .. .. .	9967	7 Oct.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS FOR THE YEAR 1897—*continued.*

Name, Residence, and Invention.	No.	Date.
Bowick, T. G., London, Eng. Recovering gold, &c. . . . .	9769	11 Aug.
Bowron, G., and another, Christchurch, N.Z. Washing-board . . . . .	10251	23 Dec.
Boyens, W. H., and another, Kaikoura, N.Z. Cycle-pedal . . . . .	9615	17 June.
Boyling, F., Brisbane, Queensland. (See C. L. Garland and A. Ogden, No. 9511.)		
Brab, M., Solingen, Germany. Electro-motor. (A. Knoche) . . . . .	9297	25 Feb.
Bradbury, R. A., Christchurch, N.Z. Indicating cost of goods sold by lineal measurement . . . . .	9275	13 Feb.
Brake, A., Wellington, N.Z. Drawing off aerated waters and mixing same with syrups . . . . .	9238	30 Jan.
Brake, A., and others, Wellington, N.Z. Drawing off aerated waters and mixing same with syrup . . . . .	9569	27 May.
Braly, A., and another, Paris, France. Preventing refilling of bottles . . . . .	9542	19 May.
Braly, A., and another, Paris, France. Guarantee label . . . . .	9543	19 May.
Braly, L., and another, Paris, France. Preventing refilling of bottles . . . . .	9542	19 May.
Braly, L., and another, Paris, France. Guarantee label . . . . .	9543	19 May.
Bremer, F. A., Hawera, N.Z. Hurdle . . . . .	9502	7 May.
Brett, E. S., Coventry, Eng. Power hammer . . . . .	9889	10 Sept.
Brian, B. M., Auckland, N.Z. Essence of tea . . . . .	9679	9 July.
Brisbane, D., Ararimu South, Auckland, N.Z. Skeith-carrying attachment for plough . . . . .	10130	12 Nov.
Brissenden, E. M., and another, Sydney, N.S.W. Pulverising-machine. (E. T. Brissenden)	9883	9 Sept.
Brissenden, E. T., Sydney, N.S.W. (See J. S. Lane and E. M. Brissenden, No. 9383.)		
Bristow, C., Wellington, N.Z. Device for locking nuts . . . . .	9484	1 May.
Bristow, C., Wellington, N.Z. Cyclist's skirt-attachment . . . . .	9491	4 May.
Bristow, G., Dunedin, N.Z. Drilling-attachment for coulters, &c. . . . .	9468	21 April.
Bristow, G., Maitauru, N.Z. Ball-bearing plough-wheel . . . . .	9755	3 Aug.
British and Colonial Colliery Supply Association (Limited), The, London, Eng. Explosive. (M. Bielefeldt)	10177	2 Dec.
British Blahnik Arc Light Company (Limited), The, Westminster, Eng. Electric arc lamp. (A. Blahnik)	9539	19 May.
British Blahnik Arc Light Company (Limited), The, Westminster, Eng. Electric arc lamp. (F. S. Worsley)	10243	23 Dec.
Brokensha, J., and another, Invercargill, N.Z. Anti-refilling bottle . . . . .	9667	9 July.
Bromet, M., and another. Machine for cutting cloth . . . . .	9311	1 March.
Bromley, W., and others, London, Eng. Velocipede . . . . .	9168	5 Jan.
Brook, W., Christchurch, N.Z. Cricket-bat handle . . . . .	9307	26 Feb.
Brookes, H. R., and others, Melbourne, Vic. Treatment of tailings containing gold, &c. . . . .	9581	31 May.
Brown, E. H., Christchurch, N.Z. Securing horse-covers . . . . .	9486	29 April.
Brown, E. H., Christchurch, N.Z. Harness-saddle . . . . .	10147	20 Nov.
Brown, J., Dunedin, N.Z. Plough . . . . .	9513	10 May.
Brown, J., Wellington, N.Z. Cycle driving-gear . . . . .	9888	9 Sept.
Brown, J. H., Wellington, N.Z. Colouring photographs . . . . .	9221	23 Jan.
Brown, W., and another, Melbourne, Vic. Milk-pail holder . . . . .	10062	28 Oct.
Brownley, A. H., Auckland, N.Z. Door-check . . . . .	9394	19 Feb.
Brownley, A. H., Auckland, N.Z. Automatic gate. (H. Withey) . . . . .	9405	6 April.
Bruce, J., and others, Wellington, N.Z. Registering votes at elections . . . . .	10233	20 Dec.
Brul, Du. (See under D.)		
Brunton, J., Thames, N.Z. Stamper battery . . . . .	10100	5 Nov.
Buaas, P. I., Aalborg, Denmark. Sterilising milk, &c. . . . .	9437	9 April.
Buchan, H. J., and another, Redfern, N.S.W. Generating acetylene gas . . . . .	10252	29 Dec.
Buckeridge, G. H., and others, Wellington, N.Z. Egg-preservative . . . . .	9865	6 Sept.
Budge, J., Sydney, N.S.W. Compression pump . . . . .	9575	25 May.
Bunting, S., Birmingham, Eng. Tire . . . . .	9892	10 Sept.
Burges, A., Palmerston North, N.Z. Lifting-jack . . . . .	9703	19 July.
Burgon, F., Sheffield, Eng. (See H. Hall, No. 9916.)		
Burrell, D., and another, Windsor, Vic. Cycle roundabout . . . . .	9880	9 Sept.
Burton, W. H., and another, Tokatoka, N.Z. Rotary engine . . . . .	9678	8 July.
Burton, W. H., and another, Tokatoka, N.Z. Tobacco-pipe . . . . .	10044	23 Sept.
Bush, W., and another, Gympie, Queensland. Saving gold, &c. . . . .	9835	23 Aug.
Butel, G., Dunedin, N.Z. Damper for steam-boiler . . . . .	10185	4 Dec.
Butel, J., jun., Dunedin, N.Z. Generating and forcing fumes into rabbit-burrows, &c. . . . .	9358	14 March.
Butler, J., and another, Kokiri, N.Z. Cycle driving-gear . . . . .	10188	2 Dec.
Butler, J., and another, Kokiri, N.Z. Coasting- and brake-attachment for bicycle . . . . .	10189	2 Dec.
Butler, W., and another, Kokiri, N.Z. Cycle driving-gear . . . . .	10188	2 Dec.
Butler, W., and another, Kokiri, N.Z. Coasting- and brake-attachment for bicycle . . . . .	10189	2 Dec.
Butler, W. H., Harrison, U.S.A. (See the American Tobacco Company of New Zealand, Limited, No. 9774.)		
Cameron, A. M., Daylesford, Vic. Cyanide process of extracting gold . . . . .	10174	2 Dec.
Cameron, D., and others, Exeter, Eng. Treating sewage . . . . .	9419	8 April.
Cameron, D., and others, Exeter, Eng. Treating sewage . . . . .	9420	8 April.
Cameron, R., Christchurch, N.Z. Hurdle . . . . .	9659	28 June.
Campbell, D. J., New York, U.S.A. (See the American Tobacco Company of New Zealand, Limited, No. 9459.)		
Campbell, D. J., New York, U.S.A. (See the American Tobacco Company of New Zealand, Limited, No. 9460.)		
Campbell, G. M., Auckland, N.Z. Treating metal for roofing, &c. . . . .	10067	26 Oct.
Campbell, M. S., Christchurch, N.Z. Hoist . . . . .	9276	13 Feb.
Campbell, R. H., San Francisco, U.S.A. Hydraulic gravel-elevator . . . . .	9627	24 June.
Campbell, W., and another, Dunedin, N.Z. Rabbit-trap . . . . .	9966	7 Oct.
Campbell, W. C., Wanganui, N.Z. Baking-tin . . . . .	10043	20 Oct.
Cane, H., and another, Hobart, Tasmania. Match-box holder . . . . .	10088	4 Nov.
Cantwell, E. L., Calcutta, India. (See W. E. Hughes, No. 9790.)		
Carbone, T. L., Monte Video, Uruguay. Sheet-metal box . . . . .	10071	30 Oct.
Carder, G., and others, Auckland, N.Z. Channel and kerb for roads, &c. . . . .	9606	10 June.
Carder, G., and others, Auckland, N.Z. Channel and kerb for roads, &c. . . . .	9606	10 June.
Carder, W., and others, Dunedin, N.Z. Candle-adjuster . . . . .	9837	24 Aug.
Carrington, G., Tomoana, N.Z. Cleaning bottles, &c. . . . .	9516	10 May.
Carter, W. H., Wellington, N.Z. Mail-bag fastener . . . . .	9957	2 Oct.
Cashion, A., Hastings, N.Z. Hurdle . . . . .	9431	8 April.

## ALPHABETICAL LIST OF APPLICANTS FOR PATENTS FOR THE YEAR 1897—continued.

Name, Residence, and Invention.	No.	Date.
Caspers, H., and others, Young, N.S.W. Producing and distributing acetylene gas ..	10127	10 Nov.
Cassell, H. R., and another, New York, U.S.A. Extracting gold ..	9357	16 March.
Cassels, R. A., Invercargill, N.Z. Filler or funnel ..	9283	1 Feb.
Cato, T. A., Wairoa, Hawke's Bay, N.Z. Preventing dropping of candle-grease ..	9904	14 Sept.
Cave, H., Papanui, N.Z. Potato-digger ..	9274	12 Feb.
Cavell, A. T., and another, St. Bathans, N.Z. Cycle-gearing ..	9819	3 March.
Chalmers, G. W., Footscray, Vic. Incandescent burner ..	10037	21 Oct.
Chambers, J. S., and another, Melbourne, Vic. Burner for oil-stoves. (B. A. Hjorth)	9579	31 May.
Chapman, A. J., Coburg, Vic. Mail-fastening device ..	9214	21 Jan.
Chapman, A. J., Coburg, Vic. Mail-fastening device ..	10246	23 Dec.
Charleton, R. H., Dovercourt, Eng. Hat-grip ..	9698	19 July.
Charlton, J. J., and another, Barraba, N.S.W. Toilet-powder ejector ..	9197	14 Jan.
Cherry, H., and another, Ballarat, Vic. (See C. D. Lightband, No. 9977.)		
Chillingworth, R., Ostbahnhof, Germany. Truing up tubes, &c. ..	9618	18 June.
Chillingworth, R., Ostbahnhof, Germany. Manufacturing hubs for wheels ..	9674	12 July.
Chisholm, J., and another, Dunedin, N.Z. Gas- or oil-engine ..	9451	9 April.
Christie, R. L., Waikaka Valley, Otago, N.Z. Traction-engine gripper-key ..	9684	12 July.
Christophersen, J., and others, Dannevirke, N.Z. Cycle driving-gear ..	10168	27 Nov.
Christophersen, M., and others, Dannevirke, N.Z. Cycle driving-gear ..	10168	27 Nov.
Christy, H. A., Chicago, U.S.A. Bicycle-seat ..	9787	13 Aug.
Clapperton, P., Melbourne, Vic. Cycle handle-bar ..	9547	19 May.
Clark, E. L., Auckland, N.Z. Surface-propeller ..	9661	28 June.
Clark, E. L., Auckland, N.Z. Boat ..	9962	30 Sept.
Clark, E. L., Auckland, N.Z. Saw-frame ..	9969	1 Oct.
Clark, E. L., Auckland, N.Z. Tube engine ..	10026	15 Oct.
Clark, W. C., and another, London, Eng. Fire-escape ..	9572	28 May.
Clark, W. W., and another, Essex, Eng. Crushing and grading ore, &c. ..	9695	17 July.
Clarke, G. T., and another, Lyttelton, N.Z. Lever-attachment to pliers ..	9426	5 April.
Clarke, W. H., Wellington, N.Z. Treating dust from stamper-boxes ..	9650	30 June.
Clay, W. R., and another, Bolton, Eng. Support for gas-burner ..	10138	18 Nov.
Claydon, G., Addington, N.Z. (See the Wood and Claydon Automatic Stoker, Coal-crusher, Self-feeder, and Smoke-consumer Company, Limited, No. 9182.)		
Clemoe, W. G., Eltham, Taranaki, N.Z. Horse-shoe ..	9395	8 March.
Clemoe, W. G., Eltham, Taranaki, N.Z. Horse-shoe ..	9552	20 May.
Clemoe, W. G., Normanby, N.Z. Brand ..	9982	14 Oct.
Clendinnen, F. J., and another, Hawksburn, Vic. Coin-operated telephone instrument ..	10250	24 Dec.
Clerc, C. P. E., and another, Paris, France. Electric propulsion ..	9386	27 March.
Clerihew, G. W., Toronto, Canada. Can ..	9540	19 May.
Coats, J., jun., and others, Glasgow, Scotland. Honeycombing-attachment for sewing-machine ..	10221	17 Dec.
Cobb, R., and another, Palmerston North, N.Z. Changing courses of rivers ..	10033	21 Oct.
Cochrane, R. M., and another, Kalgoorlie, W.A. Extracting metals from ores ..	9457	22 April.
Cochrane, T., Pollok Settlement, Auckland, N.Z. Knife harrow ..	9814	21 Aug.
Cockerell, J., and another, South Yan Yean, Vic. Axle and box for disc coulters, &c. ..	9545	19 May.
Cockerell, R., Dunedin, N.Z. Stamper battery ..	9555	30 April.
Cody, M. S., Stockton, U.S.A. Mail-bag fastener ..	9207	20 Jan.
Collette, A., jun., and another, Seclin, France. Extracting alcohol ..	10164	26 Nov.
Collier, J. B., and others, Bournemouth, Eng. Manufacture of calcium-carbide ..	9306	26 Feb.
Collings, E. Z., and another, Laurel Springs, U.S.A. Guard for bicycle-tire ..	9620	18 June.
Collins, W. G., Caramba, N.S.W. Prospecting-dish ..	10126	10 Nov.
Colvin, J., Dunedin, N.Z. Railway-truck ..	9551	15 May.
Colwell, W. S., Chicago, U.S.A. Rotary engine ..	10161	25 Nov.
Commin, F. J., and others, Exeter, Eng. Treating sewage ..	9419	8 April.
Commin, F. J., and others, Exeter, Eng. Treating sewage ..	9420	8 April.
Consolidated and McKay Lasting-machine Company, Boston, U.S.A. Lasting-machine. (S. W. Ladd and R. F. McFeely.)	9854	2 Sept.
Cope, H. S., Melbourne, Vic. Amalgamator ..	9546	19 May.
Corbett, J. C., Melbourne, Vic. Water-filter ..	10050	25 Oct.
Corbett, J. C., Melbourne, Vic. Foundation for drawn-thread stitches ..	10118	13 Nov.
Corbett, J. C., Melbourne, Vic. Making flax-rugs, &c. ..	10119	13 Nov.
Corfe, W., Liverpool, Eng. Printing-machine ..	9538	19 May.
Cork, C. F., and others, Wellington, N.Z. Egg-preserved ..	9865	6 Sept.
Coubrough, A., Dunedin, N.Z. Preparing ironsand for smelting ..	9177	7 Jan.
Coubrough, A., Wellington, N.Z. Preparing ironsand for smelting ..	9492	4 May.
Coubrough, A., Wellington, N.Z. Furnace for smelting ironsand ..	10225	17 Dec.
Coubrough, A., Wellington, N.Z. Smelting ironsand ..	10226	17 Dec.
Coull, P., Christchurch, N.Z. Washing-board ..	9974	27 Sept.
Courtois, C. D., and another, Laon, France. (See the Anglo-French Motor-carriage Company, Limited, No. 9309.)		
Cowles, E., Richmond, Nelson, N.Z. Projectile ..	9271	13 Feb.
Cowles, E., Richmond, Nelson, N.Z. Tooth-brush ..	9272	13 Feb.
Cowles, E., Richmond, Nelson, N.Z. Furniture ..	9305	13 Feb.
Cowper, F. R., and another, Sydney, N.S.W. Tuyère for forge ..	9534	19 May.
Cowperthwaite, W. T., and another, Auckland, N.Z. Marine-speed acceleration ..	9473	6 April.
Coxen, J. H., Johannesburg, South African Republic. Washing fabrics, wool, &c. ..	10057	27 Oct.
Coxon, J., Dunedin, N.Z. Laundry-iron ..	9713	22 July.
Craig, J. J., Auckland, N.Z. Preventing drains blocking and gas escaping ..	9779	10 Aug.
Craven, G. J., London, Eng. Nail ..	9503	8 May.
Craveri, J., Buenos Ayres, Argentine Republic. Manufacturing matches ..	9954	2 Oct.
Crawford, B., Auckland, N.Z. Ventilator ..	10053	9 Oct.
Crawford, E. H. K., Walcha, N.S.W. Cooling-chamber and filter combined ..	9988	14 Oct.
Creasy, J., London, Eng. (See E. Atkinson, No. 10103.)		
Creech, D. J. T., Wellington, N.Z. Rail-joint ..	9929	25 Sept.
Crehore, A. C., and another, Hanover, U.S.A. Controlling electric currents ..	9541	19 May.
Crerar, P. D., and another, Hamilton, Canada. (See E. Waters, No. 9549.)		
Crerar, P. D., and another, Hamilton, Canada. (See the Doherty Iron-castings Process, Limited, No. 9630.)		



## ALPHABETICAL LIST OF APPLICANTS FOR PATENTS FOR THE YEAR 1897—continued.

Name, Residence, and Invention.	No.	Date.
Cronin, F. B., Albert Park, Vic. Extracting gold .. .. .	9877	9 Sept.
Crow, S., Dunedin, N.Z. Dredging .. .. .	9591	7 May.
Crowden, C. T., Beeston, Eng. Making tubular joints .. .. .	9261	12 Feb.
Cuming, A. J., Christchurch, N.Z. Trouser-clip .. .. .	9333	5 March.
Cuming, A. J., Christchurch, N.Z. Preventing puncture of pneumatic tires .. .. .	9452	15 April.
Cuming, A. J., Christchurch, N.Z. Cycle-frame .. .. .	9477	28 April.
Cuming, A. J., Christchurch, N.Z. Locking nuts on bolts .. .. .	9500	5 May.
Cuming, A. J., Christchurch, N.Z. Bicycle head-lock .. .. .	9530	15 May.
Cuming, A. J., Christchurch, N.Z. Pump for inflating tires .. .. .	9576	29 May.
Cuming, A. J., Christchurch, N.Z. Cycle-frame .. .. .	9638	25 June.
Cuming, A. J., Christchurch, N.Z. Cycle .. .. .	9670	8 July.
Cuming, A. J., Christchurch, N.Z. Cycle handle-bar .. .. .	9671	8 July.
Cuming, A. J., Christchurch, N.Z. Tube-bending machine .. .. .	9776	10 Aug.
Cuming, A. J., Christchurch, N.Z. Bicycle .. .. .	9794	14 Aug.
Cuming, A. J., Christchurch, N.Z. Hub and bearing for vehicles .. .. .	9837	23 Aug.
Cuming, A. J., Christchurch, N.Z. Indicating form of bicycle suitable for a rider .. .. .	9851	31 Aug.
Cuming, A. J., Christchurch, N.Z. Cycle crank spindle and bearing .. .. .	9901	10 Sept.
Cuming, A. J., Christchurch, N.Z. Bicycle-frame .. .. .	9948	30 Sept.
Cuming, A. J., Christchurch, N.Z. Propelling vehicles .. .. .	10190	2 Dec.
Cuming, A. J., and another, Christchurch, N.Z. Treating flax .. .. .	9174	5 Jan.
Cuming, A. J., and another, Christchurch, N.Z. Utilising tow from flax-mills .. .. .	9340	22 Feb.
Cuming, A. J., and another, Christchurch, N.Z. Treating flax .. .. .	10169	3 Dec.
Cunningham, A. J., Dunedin, N.Z. Purifying fish-oil .. .. .	9649	30 June.
Cunnington, H. J., Christchurch, N.Z. Pulsator for milking-machine .. .. .	9257	6 Feb.
Cunnington, H. J., Christchurch, N.Z. Pulsating milking-machine .. .. .	9826	23 Aug.
Curran, E. J., Bathurst, N.S.W. Drafting garment patterns .. .. .	9277	17 Feb.
Curties, W. W., Christchurch, N.Z. Cycle-driving mechanism .. .. .	9316	1 March.
Curtis, E., and another, Windsor, Vic. Cycle roundabout .. .. .	9880	9 Sept.
Cutten, W., and another, Dunedin, N.Z. Clutch for winch .. .. .	10236	22 Dec.
Cutten, W., and another, Dunedin, N.Z. Driving-gear for winch .. .. .	10238	22 Dec.
Cutten, W. H., and another, Dunedin, N.Z. Clutch for winch .. .. .	10236	22 Dec.
Cutten, W. H., and another, Dunedin, N.Z. Driving-gear for winch .. .. .	10238	22 Dec.
Dacombe, T., Christchurch, N.Z. Draught-plate for register-grate .. .. .	9614	15 June.
Dalton, R. S., and another, Melbourne, Vic. Reproducing phonographic records .. .. .	9265	12 Feb.
Dalton, W., Stratford, N.Z. Ear for bucket .. .. .	9444	14 April.
Danks, T., Christchurch, N.Z. Hydraulic ram .. .. .	9285	18 Feb.
Danks, T., Christchurch, N.Z. Closet .. .. .	9399	29 March.
Danks, T., Christchurch, N.Z. Hydraulic ram .. .. .	9469	23 April.
Davidson, J., and another, Sydney, N.S.W. Refining fats and oils .. .. .	9512	10 May.
Davidson, W., Dunedin, N.Z. Plough .. .. .	9634	25 June.
Davies, C. L., and another, Kirwee, N.Z. Floor- and lining-cramp .. .. .	9522	22 May.
Davies, C. L., and another, Kirwee, N.Z. Floor- and lining-cramp .. .. .	9932	25 Sept.
Davies, G. W., and another, Wellington, N.Z. Beverage .. .. .	10051	26 Oct.
Davies, P., Southfields, Eng. Ball-bearing .. .. .	9292	23 Feb.
Davis, H. L., London, Eng. Bicycle-support .. .. .	9370	23 March.
Davis, I., London, Eng. Wheel .. .. .	9167	5 Jan.
Davis, P. Z., Lometa, U.S.A. Wheel .. .. .	9390	27 March.
Davis, R., Christchurch, N.Z. Preventing draught in chimneys .. .. .	9734	30 July.
Dawes, A., Dunedin, N.Z. Butter-box fastener .. .. .	9343	11 Feb.
Dawson, T., Maraekakaho, N.Z. Sharpening blades of chaff-cutter .. .. .	9896	8 Sept.
Day, A. J., Exeter, S.A. Dial .. .. .	9361	18 March.
Decker, W., and another, Mittweida, Germany. (See G. G. Turri, No. 10091.) .. .. .		
Deep-sea Diving Company (Limited), Brisbane, Queensland. Diving-dress. (W. McQuillan) .. .. .	9362	18 March.
De Estève-Latas, C., Paris, France. Manufacturing steel .. .. .	9891	*16 Dec., '96.
Dellow, S., and another, Charters Towers, Queensland. Amalgamating-pan .. .. .	9711	22 July.
De Montalk, R. W., and another, Auckland, N.Z. Tobacco-pipe .. .. .	10044	23 Sept.
Denehy, J. J., Brunswick, Vic. Draught-preventer for door .. .. .	9853	2 Sept.
Dennes, H. M., and another, Auckland, N.Z. Railway-station indicator .. .. .	9866	6 Sept.
Dennes, W. C., and another, Auckland, N.Z. Railway-station indicator .. .. .	9866	6 Sept.
Dennison, T. C., and another, Oamaru, N.Z. Bicycle driving-gear .. .. .	10042	18 Oct.
De Schodt, P. G., Namur, Belgium. Gas-lighting and -heating system .. .. .	9863	4 Sept.
Desgoffe, A., and another, Paris, France. Converting grain into dough .. .. .	9165	4 Jan.
Devv, S., and another, Ballarat, Vic. Ventilating mines .. .. .	9708	22 July.
De Wolf, G., and others, Vancouver, British Columbia. (See W. E. Hughes, No. 10059.) .. .. .		
Dexter, R. A., and another, Auckland, N.Z. Bicycle driving-gear .. .. .	9997	12 Oct.
Dickinson, J., and others, Dunedin, N.Z. Driving mechanism for velocipedes .. .. .	9199	14 Jan.
Dickinson, J., and others, Dunedin, N.Z. Pedal-crank for velocipedes .. .. .	9345	13 March.
Dickinson, J., and others, Dunedin, N.Z. Pedal-crank for velocipede .. .. .	9644	30 June.
Dickinson, W., and others, Dunedin, N.Z. Pedal-crank for velocipede .. .. .	9644	30 June.
Dobbie, J., Caversham, N.Z. Hand signal-lamp .. .. .	9895	6 Sept.
Dodge, A. P., New York, U.S.A. Steam motor .. .. .	9700	19 July.
Dodgshun, J. E., and another, Melbourne, Vic. Shirt-collar attachment .. .. .	9204	19 Jan.
Doherty Iron-castings Process (Limited), The, London, Eng. Melting iron. (T. Doherty, P. D. Crerar) .. .. .	9630	24 June.
Doherty, T., and another, Sarnia, Canada. (See E. Waters, No. 9549.) .. .. .		
Doherty, T., and another, Sarnia, Canada. (See the Doherty Iron-castings Process, Limited, No. 9630.) .. .. .		
Dolbel, C., Wellington, N.Z. Veterinary mixture .. .. .	9232	28 Jan.
Dolton, A., Sydney, N.S.W. Carbonated aerated drinks .. .. .	9279	17 Feb.
Donnelly, H. W., Auckland, N.Z. Match-box striker .. .. .	10230	13 Dec.
Doolittle, P. E., Toronto, Canada. Bicycle-brake .. .. .	9537	19 May.
Dose, H., Sydney, N.S.W. Cask or vat .. .. .	9919	21 Sept.
Dougherty, J., Palmerston North, N.Z. Trapping rabbits .. .. .	9318	25 Feb.
Douglas, E. J., Melbourne, Vic. Bath-heater .. .. .	9900	13 Sept.
Downing, H. W., and another, Christchurch, N.Z. Horse-collar .. .. .	10086	2 Nov.
Downton, H. G., and another, Croydon, N.S.W. Destroying night-soil, &c. .. .. .	9884	9 Sept.

## ALPHABETICAL LIST OF APPLICANTS FOR PATENTS FOR THE YEAR 1897—continued.

Name, Residence, and Invention.	No.	Date.
Drake, A., Wellington, N.Z. Driving-belt .. .. .	10136	18 Nov.
Draper, T. T., and another, Melbourne, Vic. Extracting liquid from slime, &c. .. .. .	9878	9 Sept.
Dredge, J., Newtown, Sydney, N.S.W. (See J. Welsh, No. 9212.)		
Drewitt, F. M., and another, Christchurch, N.Z. Bicycle-pedal .. .. .	9281	15 Feb.
Drewitt, F. M., and another, Christchurch, N.Z. Bicycle-pedal attachment .. .. .	9288	3 Feb.
Drummond, C. S., London, Eng. Bicycle-saddle .. .. .	9478	28 April.
Drummond, R. O. G., and others, Johannesburg, South Africa. Rock-drill .. .. .	9245	3 Feb.
Du Brul, N., Cincinnati, U.S.A. Cigar- and cigarette-wrapper cutting machine .. .. .	9693	17 July.
Dudson, W. S., Carterton, N.Z. Root-uplifter .. .. .	10202	9 Dec.
Duncan, D. J. R., London, Eng. Jointing mains, pipes, &c. .. .. .	9544	19 May.
Duncan, G. O., and another, Perth, W.A. "X-radioscope" .. .. .	10244	23 Dec.
Duncan, O. E., Christchurch, N.Z. Tobacco-cutter and -rubber .. .. .	9230	26 Jan.
Dunn, G., Fitzroy, Vic. Stamper battery .. .. .	9989	14 Oct.
Dunn, G., and another, Fitzroy, Vic. Gold-saving machine .. .. .	9246	3 Feb.
Dunnett, F. E., Wellington, N.Z. Knife-cleaner .. .. .	9765	11 Aug.
Dunnett, F. E., Wellington, N.Z. Knife-cleaner .. .. .	9840	30 Aug.
Duryea, J. F., Springfield, U.S.A. Motor-vehicle .. .. .	9341	11 March.
Duryea, J. F., Springfield, U.S.A. Gas-engine .. .. .	9740	2 Aug.
Dyhrberg, L. N., Ashburton, N.Z. Brake-gearing for cycle .. .. .	9301	24 Feb.
Dykes, J., and another, Auckland, N.Z. Holder for check-books .. .. .	9346	13 March.
Easom, F., and others, Beeston, Eng. Joints for cycle-frame .. .. .	10242	23 Dec.
Edwards, A. H., Sydney, N.S.W. Cycle driving-gear .. .. .	10172	1 Dec.
Edwards, T., Ballarat, Vic. Ore-roasting furnace .. .. .	9777	12 Aug.
Edwards, T., Dunedin, N.Z. Hand signal-lamp .. .. .	9798	16 Aug.
Eickhoff, G., and another, Copenhagen, Denmark. (See Maskinforretningen Interessentskabet Daawrud, No. 9264.)		
Ekengren, E., and others, Wellington, N.Z. Fumigator or generator .. .. .	9931	25 Sept.
Elder, W. K., Auckland, N.Z. Attachment to plough .. .. .	9820	21 Aug.
Eldon, R. H., and another, Toronto, Canada. Rotary engine .. .. .	9595	13 Aug.
Elkington and Company (Limited), Birmingham, Eng. Soldering-pan. (H. T. Fellows)	9208	19 Jan.
Ellershausen, F., London, Eng. Treating ores .. .. .	9586	3 June.
Ellershausen, F., London, Eng. Treating ores .. .. .	9941	30 Sept.
Elliott, F., and others, Sydney, N.S.W. Manufacture of inflammable gas .. .. .	10160	25 Nov.
Elliott, G. C., and another, New York, U.S.A. Book typewriter .. .. .	9890	10 Sept.
Elliott, J. P., and another, Dunedin, N.Z. Rabbit-trap .. .. .	9966	7 Oct.
Ellis, P., Christchurch, N.Z. Fluid motor .. .. .	9775	10 Aug.
Ellis, W. A., Stratford, N.Z. Registering votes at elections .. .. .	10200	9 Dec.
Elston, R. S., jun., Christchurch, N.Z. Envelope .. .. .	9231	26 Jan.
Endean, J. A., and another, Auckland, N.Z. Pencil, rubber, and tape-measure combined .. .. .	10208	7 Dec.
Erie, J. P., Los Angeles, U.S.A. Motor-vehicle .. .. .	9475	26 April.
Esmond, F. C., Brooklyn, U.S.A. Supporting bicycle-saddles .. .. .	9354	13 March.
Estève-Llatas, C. De. (See under D.)		
Etard, A., Paris, France. Gold-dissolvent .. .. .	9402	22 March.
Evans, H. M., and another, Sydney, N.S.W. Cigar- and tobacco-cutter, match-delivering device and indicator combined	9489	3 May.
Evans, N. J. Hugh, Charlotte County, U.S.A. (See the American Tobacco Company of New Zealand, Limited, No. 9407.)		
Evans, S. P., Caversham, N.Z. Screw-attachment for signal-lamp .. .. .	9859	30 Aug.
Evens, E. L., and another, Adelaide, S.A. Bootlace-fastener .. .. .	9298	25 Feb.
Ewen, J. M., Chicago, U.S.A. Lighting basements, &c. (J. G. Pennycook)	9864	4 Sept.
Ewen, J. M., Chicago, U.S.A. Window-lights and prismatic glass for windows. (F. C. Soper)	10007	19 Oct.
Ewen, J. M., Chicago, U.S.A. Vault- and canopy-lights and prismatic glass. (O. H. Basquin)	10008	19 Oct.
Ewen, J. M., Chicago, U.S.A. Basement-lights and -lighting. (F. C. Soper)	10009	19 Oct.
Ewen, J. M., Chicago, U.S.A. Electro-glazing for joining glass, tiles, &c. (W. H. Winslow)	10010	19 Oct.
Ewen, J. M., Chicago, U.S.A. Glazing prismatic glass sections, &c. (W. H. Winslow, H. F. Belcher)	10011	19 Oct.
Ewen, J. M., Chicago, U.S.A. Mounting paving-tiles, &c. (W. H. Winslow)	10012	19 Oct.
Ewen, J. M., Chicago, U.S.A. Framing window-lights, &c. (W. H. Winslow)	10013	19 Oct.
Ewen, J. M., Chicago, U.S.A. Prismatic window-plates. (W. H. Winslow and O. H. Basquin)	10014	19 Oct.
Ewen, J. M., Chicago, U.S.A. Mounting prism-lights and tiles. (W. H. Winslow)	10015	19 Oct.
Ewen, J. M., Chicago, U.S.A. Prismatic window-lights. (O. H. Basquin)	10016	19 Oct.
Ewen, J. M., Chicago, U.S.A. Prismatic canopy for window. (O. H. Basquin)	10017	19 Oct.
Ewen, J. M., Chicago, U.S.A. Ornamental and prism lights for windows. (H. F. Belcher)	10018	19 Oct.
Ewen, J. M., Chicago, U.S.A. Prisms for windows .. .. .	10019	19 Oct.
Eynon, T., Melbourne, Vic. (See G. Haley, No. 9342.)		
Eyre, C., Sydney, N.S.W. Hose-pipe connection .. .. .	9633	24 June.
Fader, S., Vancouver, Canada. (See Massey-Harris Company, Limited, No. 9446.)		
Faris, I., and another, Napier, N.Z. Producing embossed or bas-relief photographs .. .. .	10108	5 Nov.
Farmar, F. B., and others, Wellington, N.Z. Distending mouths of bags, &c. .. .. .	9567	26 May.
Faulds, J. P., and others, Dunedin, N.Z. Driving mechanism for velocipedes .. .. .	9199	14 Jan.
Faulds, J. P., and others, Dunedin, N.Z. Pedal-crank for velocipedes .. .. .	9345	13 March.
Feasey, R., Palmerston North, N.Z. Employing steam-engines for fire-extinction, &c. .. .. .	9753	5 Aug.
Fellows, H. T., Worcester, Eng. (See Elkington and Company, Limited, No. 9203.)		
Ferguson, J., Auckland, N.Z. Railway-crossing electric alarm .. .. .	10097	2 Nov.
Ferguson, J., and another, Brisbane, Queensland. Lithographic machine .. .. .	10084	3 Nov.
Ferguson, M., Melbourne, Vic. Forming dovetail edges for rivetless pipes .. .. .	10114	11 Nov.
Ferguson, M., Melbourne, Vic. Closing the locking-bar used in construction of certain pipes .. .. .	10115	11 Nov.
Ferguson, P., Auckland, N.Z. Amalgamator .. .. .	10021	15 Oct.
Ferguson, P., Auckland, N.Z. Pulveriser .. .. .	10022	15 Oct.
Ferguson, P., Auckland, N.Z. Electrolytic precipitating-box .. .. .	10023	15 Oct.
Ferguson, P., Auckland, N.Z. Agitating- and settling-vat .. .. .	10024	15 Oct.
Ferguson, P., Auckland, N.Z. Extracting gold and silver .. .. .	10025	15 Oct.
Ferguson, F. D., Wellington, N.Z. Apparatus for facilitating calculations .. .. .	9322	4 March.
Ffrost, J. E., and another, Wellington, N.Z. Beverage .. .. .	10051	26 Oct.
Finch, C. A., and another, Sydney, N.S.W. Generating acetylene gas .. .. .	10252	29 Dec.
Fink, M., and others, St. Kilda, Vic. Puncture-resisting shield for pneumatic tire .. .. .	9325	4 March.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS FOR THE YEAR 1897—*continued.*

Name, Residence, and Invention.	No.	Date.
Firth, H., Auckland, N.Z. Bicycle-brake .. .. .	9527	22 April.
Firth, T., Wellington, N.Z. Joining drain-pipes .. .. .	9330	6 March.
Fish, Oil, and Guano Syndicate (Limited), The, Dublin, Ireland. Treating fish-offal, &c. (J. C. W. Stanley)	9970	8 Oct.
Fisher, C. E., Islington, N.Z. Meat-marker .. .. .	9829	24 Aug.
Fleming, J. H., and others, Auckland, N.Z. Heating-pan, steam-generator, and furnace combined	9818	20 Aug.
Floyd, H., Sydney, N.S.W. Bicycle driving-gear .. .. .	9269	13 Feb.
Ford, A. S., Coromandel, N.Z. Lantern .. .. .	9347	19 Feb.
Ford, A. S., Coromandel, N.Z. Steam- or air-whistle .. .. .	9613	12 June.
Ford, J. F., Dunedin, N.Z. Cooking-range .. .. .	9533	22 Sept. '96
Forester, H. C. B., Swansea, South Wales. (See the Patent Agglomment Fuel Syndicate, Limited, No. 10032.)		
Forsman, M., Gordon Settlement, N.Z. Lotion .. .. .	9432	18 March.
Forsman, M., Te Aroha, N.Z. Lotion .. .. .	10256	20 Dec.
Forsyth, E., and another, Willoughby, N.S.W. Bicycle-support .. .. .	10035	21 Oct.
Poster, T., Dunedin, N.Z. Roller-tooth variable gear .. .. .	9836	28 July.
Fourchette, M. C. A., Paris, France. Generating acetylene gas .. .. .	9418	8 April.
Fox, E. M., London, Eng. Treatment to render wood uninflamable .. .. .	9888	27 March.
Francis, S. E., Wellington, N.Z. Cycling-skirt .. .. .	9910	16 Sept.
Freed, E. H., Caversham, N.Z. Inspirator for raising heated water .. .. .	9205	12 Dec. '96.
Freed, E. H., Caversham, N.Z. Water-inspirator .. .. .	9403	29 March.
Fuchs, F. J., and another, Christchurch, N.Z. Trouser-guard for cyclist .. .. .	9607	11 June.
Furley, J. F., and another, Sydney, N.S.W. Bicycle-support .. .. .	10035	21 Oct.
Furlonge, F. A., Hawera, N.Z. Transport-case .. .. .	9391	29 March.
Galbraith, D. R. S., Auckland, N.Z. Butter-making .. .. .	9821	25 Aug.
Galbraith, D. R. S., Auckland, N.Z. Method of horse-control .. .. .	9834	25 Aug.
Galbraith, D. R. S., Auckland, N.Z. Stamp cancellation .. .. .	9921	22 Sept.
Galbraith, D. R. S., Auckland, N.Z. Tire-guard .. .. .	9949	1 Oct.
Galbraith, D. R. S., Auckland, N.Z. Butter-making .. .. .	9952	2 Oct.
Galbraith, D. R. S., and another, Auckland, N.Z. Marine-speed acceleration .. .. .	9473	6 April.
Galbraith, D. R. S., and another, Auckland, N.Z. Boot-last .. .. .	9906	14 Sept.
Galbraith, D. R. S., and another, Auckland, N.Z. Applying oil for sea-calming purposes	9912	18 Sept.
Galbraith, M. A., Dunedin, N.Z. Embrocation .. .. .	9548	19 May.
Garde, J. B., Melbourne, Vic. (See W. O. Peacock, No. 10247.)		
Gardner, J. H., Christchurch, N.Z. Hot-air apparatus for warming rooms .. .. .	9719	23 July.
Garland, C. L., Sydney, N.S.W. Cycle driving-gear .. .. .	9448	24 April.
Garland, C. L., and another, Sydney, N.S.W. Enamel paint. (F. Boyling)	9511	10 May.
Garland, C. L., and others, Sydney, N.S.W. Amalgamator and separator .. .. .	9632	24 June.
Garnham, H., and another, Napier, N.Z. Water-closet .. .. .	9909	15 Sept.
Garside, J., Dunedin, N.Z. Spray-pump .. .. .	9663	1 July.
Gascoigne, C. J., Marton, N.Z. Preventing horse running away with vehicle .. .. .	9714	23 July.
Gascoigne, C. J., Marton, N.Z. Preventing horse running away with vehicle .. .. .	9761	7 Aug.
Gascoigne, E., jun., and another, Maidstone, Eng. (See the Anglo-French Motor-carriage Company, Limited, No. 9309.)		
Gaut, J., Leichhardt, N.S.W. Bicycle .. .. .	9425	8 April.
Gaut, J., Leichhardt, N.S.W. Air-pump for tires .. .. .	9766	11 Aug.
Gaut, J., Leichhardt, N.S.W. Bicycle luggage-carrier .. .. .	9767	11 Aug.
Gee, G. F., and another, Christchurch, N.Z. Cover for jugs, &c. .. .. .	9528	14 May.
Gee, W., Christchurch, N.Z. Blind head-board and cornice-pole .. .. .	9796	13 Aug.
Gee, W. C., and another, Christchurch, N.Z. Cover for jugs, &c. .. .. .	9528	14 May.
Gehlen, Vov. (See under V.)		
General Gold-extracting Company (Limited), The, and another, London, Eng. Treating gold- and silver-ores	10222	17 Dec.
Genu, P., Christchurch, N.Z. Cleaning driving-chains of cycles .. .. .	9175	23 Dec. '96.
Gibbins, G., and another, Footscray, Vic. Plough .. .. .	9882	9 Sept.
Gibbons, E., Auckland, N.Z. Wash-board .. .. .	10214	11 Dec.
Gibbons, N., Manurewa, N.Z. Steam-pontoon .. .. .	9624	16 June.
Gibbs, L. T., New York, U.S.A. Air-engine .. .. .	9533	3 June.
Gibson, L. D., and another, Creswick, Vic. Controlling gases in mines .. .. .	9401	1 April.
Gibson, L. M., Urenui, N.Z. Insecticide solution .. .. .	9560	25 May.
Gibson, L. M., Urenui, N.Z. Insecticide powder .. .. .	9561	25 May.
Gilbert, G., Dannevirke, N.Z. Boiler for use with colonial oven .. .. .	10099	8 Oct.
Glennon, W. J., and another, Melbourne, Vic. Aerating and sterilising beer .. .. .	9646	30 June.
Glennon, W. J., and another, Melbourne, Vic. Filling bottles, &c. .. .. .	9647	30 June.
Goldie, G. N., Devonport, Auckland, N.Z. Silt-punt .. .. .	9911	13 Sept.
Golding, A., Canterbury, Vic. Cycle-tire or tire-cover .. .. .	9918	21 Sept.
Gomess, A. F. E., London, Eng. Treating vegetable fibre .. .. .	9471	26 April.
Goodfellow, J., Leyton, Eng. Manufacturing nutritious products from yeast .. .. .	10223	17 Dec.
Goodman, R. J., Taradale, N.Z. Weighing, cheese-cutting, and cash-registering apparatus	9338	10 March.
Goodsir, A., and another, Sydney, N.S.W. Breaking up submarine rock .. .. .	10116	11 Nov.
Goodwill, A. F. W., Otahuhu, N.Z. Life-buoy .. .. .	9872	3 Sept.
Goodwin, G., and another, Ottawa, Canada. Marine vessel .. .. .	9510	10 May.
Goodwin, T., Otahuhu, N.Z. Balance-lever for equalising weight in carts, &c. .. .. .	10000	9 Oct.
Goold, W. J., and another, Toronto, Canada. Bicycle .. .. .	9291	23 Feb.
Gordon-Jones, J., Taheke, Hokianga, N.Z. Photographic rocker and washer .. .. .	9917	21 Sept.
Gorell, H., Auckland, N.Z. Rope-fastener .. .. .	10207	7 Dec.
Gossler, F., Korumburra, Vic. Tire .. .. .	9553	20 May.
Gould, J. B., Wellington, N.Z. Clamp .. .. .	10183	4 Dec.
Gover, E. A., and another, Auckland, N.Z. Figure-reducing belt .. .. .	10082	28 Oct.
Gover, W. R., and another, Auckland, N.Z. Figure-reducing belt .. .. .	10082	28 Oct.
Grace, A. A., Nelson, N.Z. Buckle-fastener .. .. .	9350	4 March.
Grace T., Darlington, N.S.W. Velocipede-driving mechanism .. .. .	9508	10 May.
Grady, H. S., Wellington, N.Z. Bicycle-crank .. .. .	10109	10 Nov.
Graham, J. C., Gisborne, N.Z. Wire-straining grip for fencing .. .. .	10064	29 Sept.
Graham, S., Invercargill, N.Z. Attaching and detaching mud-climbs for traction-engine	9668	6 July.
Graham, W., Dunedin, N.Z. Draught-preventer for doors .. .. .	9637	24 June.

## ALPHABETICAL LIST OF APPLICANTS FOR PATENTS FOR THE YEAR 1897—continued.

Names, Residence, and Invention.	No.	Date.
Graham, W. A. D., and another, Owen Sound, Canada. Tire .. .. .	10137	18 Nov.
Grave, E., Oamaru, N.Z. Horse-cover fastener .. .. .	9604	8 June.
Graves, H., and another, Hawera, N.Z. Collapsible-box .. .. .	9412	7 April.
Graves, H., and another, Hawera, N.Z. Window-sash fastener .. .. .	9429	10 April.
Graves, H., and another, Hawera, N.Z. Bucket-handle .. .. .	9430	10 April.
Graves, H., and another, Hawera, N.Z. Distending mouths of bags, &c. .. .. .	9517	12 May.
Graves, H. P. H., and others, Wellington, N.Z. Distending mouths of bags, &c. .. .. .	9567	26 May.
Graves, H. P. H., and another, Wellington, N.Z. Non-refillable bottle .. .. .	9902	13 Sept.
Graves, H. P. H., and another, Hawera, N.Z. Cattle-branding composition .. .. .	9973	9 Oct.
Gray, J., Dunedin, N.Z. Reversing clutch .. .. .	9639	23 June.
Gray, J. W., Napier, N.Z. Diving-dress .. .. .	9992	14 Oct.
Greaves, C. H., and another, Leeds, Eng. Tire .. .. .	10240	23 Dec.
Greaves, G., and another, Leeds, Eng. Tire .. .. .	10240	23 Dec.
Green, E. F., New York, U.S.A. Gas-burner .. .. .	9655	1 July.
Green, R. E., St. Alban's, N.Z. Boiler for kitchen ranges .. .. .	10104	4 Nov.
Green, W. M., Melbourne, Vic. Venetian-blind .. .. .	9737	2 Aug.
Greenhill, J., Colac, Vic. Nail .. .. .	9991	14 Oct.
Greenshields, W., Auckland, N.Z. Suspenders .. .. .	9945	18 Sept.
Greig, W. C., Christchurch, N.Z. Securing fencing-wire to standards .. .. .	10201	8 Dec.
Greig, W. C., and another, Christchurch, N.Z. Washing-board .. .. .	10251	23 Dec.
Grice, W., and others, Grantham, Eng. (See R. Hornsby and Sons, Limited, No. 9315.) .. .. .		
Griffin, B. F., and another, Auckland, N.Z. Advertising medium .. .. .	9273	15 Feb.
Griffin, B. F., and another, Auckland, N.Z. Folding arm-chair .. .. .	10075	1 Nov.
Griffin, S. F., and another, Auckland, N.Z. Advertising medium .. .. .	9273	15 Feb.
Grimwood, G. E., Rangiora, N.Z. Horse-collar .. .. .	9727	19 July.
Grimwood, G. E., Rangiora, N.Z. Horse-collar .. .. .	9870	4 Sept.
Grimwood, G. E., Rangiora, N.Z. Air-valve .. .. .	10194	2 Dec.
Grist, C. J., London, Eng. Waterproof-coating composition .. .. .	9334	6 March.
Grono, H., and another, Sydney, N.S.W. Freezing meat .. .. .	9786	13 Aug.
Gross, A., Sydney, N.S.W. Pump for inflating tires .. .. .	10034	21 Oct.
Gross, A., and others, Sydney, N.S.W. Cycle driving-gear .. .. .	9268	13 Feb.
Growden, H. H., Dunedin, N.Z. Laying rabbit-poison .. .. .	9485	7 April.
Guattari, C., London, Eng. Generating motive-power .. .. .	9568	25 May.
Gundry, W. H., and another, Christchurch, N.Z. Cost-indicating, registering, and weight-totalling apparatus .. .. .	9847	27 Aug.
Gundry, W. L. D., and another, Christchurch, N.Z. Cost-indicating, registering, and weight-totalling apparatus .. .. .	9847	27 Aug.
Gunn, W., and another, Christchurch, N.Z. Corset jacket .. .. .	9721	26 July.
Gunner, L. E., and another, Christchurch, N.Z. Tire .. .. .	9507	7 May.
Gutensohn, A., London, Eng. Recovering metals .. .. .	9482	1 May.
Guthridge, W. P., and others, Auckland, N.Z. Screw propeller-blade .. .. .	9373	20 March.
Gwatkin, C. E. T., and another, Christchurch, N.Z. Bicycle handle-bar .. .. .	9427	6 April.
Hack, A. F., Prahra, Vic. Arch for promoting combustion in furnace .. .. .	10199	9 Dec.
Haley, G. C., South Yarra, Vic. Steam-boiler and steam-generator. (T. Eynon) .. .. .	9342	11 March.
Hall, C. C. A., Wellington, N.Z. Candle-stick .. .. .	9443	13 April.
Hall, C. C. A., Wellington, N.Z. Tire .. .. .	9722	27 July.
Hall, E., Stanthorpe, Queensland. Charging smelting-furnaces. (W. L. Austiu) .. .. .	9577	31 May.
Hall, H., Wellington, N.Z. Shearing-machine. (F. Burgon) .. .. .	9916	20 Sept.
Hallet, T., Hawkeston, Napier, N.Z. Sheep-dip .. .. .	10253	30 Dec.
Hallett, W., Auckland, N.Z. Heel-tip for boot or shoe .. .. .	9780	10 Aug.
Halligan, J. C., and another, Brisbane, Queensland. Lithographic machine .. .. .	10084	3 Nov.
Hamann, A., Dunedin, N.Z. Saving pastry from burning while cooking .. .. .	9554	15 April.
Hamilton, A., Dunedin, N.Z. Drench for cattle, &c. .. .. .	9379	26 March.
Hamilton, H. R. W., Little Akaloa, N.Z. Milking-machine .. .. .	9795	14 Aug.
Hamilton, J. P., Dunedin, N.Z. Soldering apparatus .. .. .	9946	23 Sept.
Hamlin, G., Reefton, N.Z. Folding seat for sewing-machine .. .. .	9935	23 Sept.
Hamlin, R. H. J., Napier, N.Z. Raising sunken vessels .. .. .	9947	23 Sept.
Hampe, W., Hanover, Germany. Manufacturing zinc pigments .. .. .	9498	5 May.
Hann, T., and others, London, Eng. Velocipede .. .. .	9168	5 Jan.
Hanna, J., and another, Dunedin, N.Z. Life-saving jacket .. .. .	9532	18 May.
Hannett, A., and another, Feilding, N.Z. Sash-fastener .. .. .	9973	8 Oct.
Hanscom, W. W., and another, San Francisco, U.S.A. Electrical or storage battery .. .. .	9741	2 Aug.
Hansen, O., Gisborne, N.Z. Balloting at elections .. .. .	10131	12 Nov.
Hanson, J. T., London, Eng. (See Hanson's Fire-proof Floor Syndicate, Limited, No. 9387.) .. .. .		
Hanson's Fire-proof Floor Syndicate (Limited), London, Eng. Constructing Fire-proof walls, &c. (J. T. Hanson) .. .. .	9387	27 March.
Hardaker, E., and another, Islington, N.Z. Electric meat and goods marker .. .. .	9747	12 July.
Hardingham, G. G. M., London, Eng. Rotary engine. (H. L. Webster) .. .. .	9314	1 March.
Hardingham, G. G. M., London, Eng. Cycle-driving mechanism .. .. .	10257	31 Dec.
Hare, J. R., and another, Kaeo, Auckland, N.Z. Bicycle driving-gear .. .. .	9997	12 Oct.
Hare, L. M., Wanganui, N.Z. Saucer .. .. .	10186	12 Oct.
Harman, T. de R., and another, Christchurch, N.Z. Support for bicycle .. .. .	9375	22 March.
Harper, R. H., and another, Melbourne, Vic. Axle and box for disc coulters, &c. .. .. .	9545	19 May.
Harris, A. R., and others, Tamaki, Auckland, N.Z. Cross-arms balance for maintaining equilibrium of vehicles .. .. .	9557	18 May.
Harris, A. R., and others, Tamaki, Auckland, N.Z. Bearings and ends for balance for under-carriages of vehicles .. .. .	9664	3 July.
Harris, W., Nelson, N.Z. Target for range-firing .. .. .	9598	4 June.
Harrison, J., Marton, N.Z. Siphon .. .. .	9677	13 July.
Harrison, L. S., and another, Christchurch, N.Z. Connecting cyclists' shoe to pedal .. .. .	9564	21 May.
Harrison, L. S., and another, Christchurch, N.Z. Tire .. .. .	9565	21 May.
Hart, A., and another, Fitzroy, Vic. Export crate for rabbits .. .. .	9376	25 March.
Hart, L. H., and another, Melbourne, Vic. Cycle racing or exercising machine .. .. .	9955	2 Oct.
Hartley, W. H., and another, London, Eng. Treating ores .. .. .	9389	8 April.
Hartley, W. H., and another, London, Eng. Separating liquid from bodies mingled with same .. .. .	9942	30 Sept.
Hartley, W. H., and another, London, Eng. Ore-concentrator .. .. .	10058	27 Oct.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS FOR THE YEAR 1897—*continued.*

Name, Residence, and Invention.	No.	Date.
Hartley, W. H., and another, London, Eng. Pulverising apparatus .. .. .	10179	3 Dec.
Hartt, J., and another, Perth, W. A. "X-radioscope" .. .. .	10244	23 Dec.
Harvey, A. R., and another, Liverpool, Eng. Electrolyser .. .. .	10094	4 Nov.
Harvey, G., Invercargill, N.Z. Wire-strainer .. .. .	9848	27 Aug.
Harvey, J., Sydenham, N.Z. Wool-press .. .. .	9289	20 Feb.
Harvey, J., Dunedin, N.Z. Letters, figures, and designs for educational purposes .. .. .	9654	1 July.
Harvey, W. H., Westminster, Eng. (See the Incandescent Fire-mantel and Stove Company, Limited, No. 10249.)		
Harvey-Metcalf, J., Melbourne, Vic. Dickey .. .. .	9566	25 May.
Haslam, J. J., Auckland, N.Z. Silt-punt .. .. .	9726	24 July.
Hatch, J., Invercargill, N.Z. Lifting-jack .. .. .	10093	4 Nov.
Hatch, W. P., and another, New York, U.S.A. Book type-writer .. .. .	9890	10 Sept.
Hatfield, B., Dunedin, N.Z. Horse-collar .. .. .	9240	22 Dec.'96.
Haviland, F. H., and another, Bournemouth, Eng. Acetylene-gas generator .. .. .	9455	22 April.
Haviland, F. H., and others, Bournemouth, Eng. Manufacture of calcium-carbide .. .. .	9306	26 Feb.
Hawke, T., Remuera, N.Z. Skeith-attachment to ploughs .. .. .	9617	15 June.
Hayes, E., Rough Ridge, Otago, N.Z. Wheel .. .. .	9374	3 March.
Hazard, J. J., London, Eng. Preservation of organic matters .. .. .	10030	21 Oct.
Healy, M. C., Hughenden, Queensland. Raising water .. .. .	9953	2 Oct.
Heberlein, F., and another, Pertusola, Italy. Treating sulphide ores of lead .. .. .	9421	8 April.
Heck, J., Stawell, Vic. Hand sheep-shears .. .. .	10159	25 Nov.
Hedge, H., Christchurch, N.Z. Fire-alarm .. .. .	10154	23 Nov.
Hedley, T. A., and another, Yackandandah, Vic. Centrifugal pump .. .. .	10165	26 Nov.
Heenan, D. J., Dunedin, N.Z. Tool for boring holes in ground for posts .. .. .	10146	22 Nov.
Heighton, A. L., Wellington, N.Z. Fencing-standard .. .. .	9331	8 March.
Heighton, A. L., Wellington, N.Z. Stencil-case for branding .. .. .	10195	7 Dec.
Heighton, A. L., and another, Wellington, N.Z. Bicycle driving-gear .. .. .	9227	26 Jan.
Henderson, F., and another, Auckland, N.Z. Electric ignition for engines .. .. .	9748	29 July.
Henderson, F., and another, Auckland, N.Z. Valve-gearing for engines .. .. .	9749	29 July.
Henderson, F., and another, Auckland, N.Z. Vaporizer for oil- or spirit-engine .. .. .	9750	29 July.
Henderson, F., and another, Auckland, N.Z. Gas, oil, or internal-combustion engine .. .. .	10231	15 Dec.
Henderson, J. A., and another, Christchurch, N.Z. Composition for railway-sleepers, &c. .. .. .	9235	28 Jan.
Henry, F., Riverton, N.Z. Wire-strainer .. .. .	9660	30 June.
Henry, W., Auckland, N.Z. Combined earth-scoop and cart .. .. .	9303	24 Feb.
Hepburn, C. G., Sydney, N.S.W. Treating fats and oils .. .. .	10171	1 Dec.
Hepburn, C. G. and another, Sydney, N.S.W. Refining fats and oils .. .. .	9512	10 May.
Herdman, W. H., Warragul, Vic. Compressing wool, &c. .. .. .	10204	9 Dec.
Heskett, T. J., and another, Adelaide, S.A. Manufacturing steel .. .. .	9770	11 Aug.
Hesp, J. W., and others, Adelaide, S.A. Boot- or shoe-protector .. .. .	9965	7 Oct.
Hicks, G. H., Mosgiel, N.Z. Blight- and insect-killer .. .. .	9397	27 March.
Higgins, H., Cambridge, Eng. Treating "separated" milk .. .. .	9445	14 April.
Hill, H., Westport, N.Z. Fish-plate .. .. .	9479	5 April.
Hill-Jones, T., and another, London, Eng. Alimentary extract .. .. .	9971	8 Oct.
Hilton, G. P., and another, Thames, N.Z. Plant-protector .. .. .	9812	4 Aug.
Hinman, B. C., and another, New York, U.S.A. Extracting gold .. .. .	9357	16 March.
Hitch, W., Christchurch, N.Z. Milk-strainer .. .. .	10167	25 Nov.
Hitchen, T., Sydney, N.S.W. Oven .. .. .	9803	18 Aug.
Hitchings, E., Christchurch, N.Z. Burnishing ink for leather .. .. .	9218	20 Jan.
Hjorth, B. A., Stockholm, Sweden. (See J. G. Seymour and J. S. Chambers, No. 9579.)		
Hodsdon, H., Brisbane, Queensland. Totalisator or enumerating machine .. .. .	10229	18 Dec.
Hogan, T., Wanganui, N.Z. Bridle .. .. .	9728	23 July.
Hogan, T., Wanganui, N.Z. Saddle .. .. .	9930	25 Sept.
Hogg, A., Dunedin, N.Z. Steam-engine .. .. .	10028	16 Oct.
Hogg, J., Wanganui, N.Z. Fruit-picking apparatus .. .. .	10106	14 Oct.
Holliday, T., Edgerton, Eng. Producing, storing, and utilising acetylene gas .. .. .	9308	27 Feb.
Hollis, J., London, Eng. Bicycle-brake .. .. .	9381	26 March.
Holloway, A., and others, Bournemouth, Eng. Manufacture of calcium-carbide .. .. .	9306	26 Feb.
Holmes, F. E., and another, Auckland, N.Z. Door-check .. .. .	9287	17 Feb.
Homes, H. S. D., Mangorei, N.Z. Plough .. .. .	9903	20 Aug.
Hooker, L., Newtown, Sydney, N.S.W. Incandescent gaslight tassel .. .. .	9707	21 July.
Hooker, L., Newtown, Sydney, N.S.W. Solution for making incandescent tassels, &c. .. .. .	10176	2 Dec.
Hooper, W. C., and others, Adelaide, S.A. Boot- or shoe-protector .. .. .	9965	7 Oct.
Horne, L., Blenheim, N.Z. Cycle chain-grip .. .. .	10187	3 Dec.
Hornsby and Sons (Limited), R., Grantham, Eng. Plough. (J. Hornsby, J. Money, and W. Grice)	9315	1 March.
Hornsby, J., and others, Grantham, Eng. (See R. Hornsby and Sons, Limited, No. 9315.)		
Horsley, R. C. W., Invercargill, N.Z. Child's carriage .. .. .	9521	10 May.
Horsley, R. C. W., Invercargill, N.Z. Pipe- or cigarette-holder .. .. .	9605	8 June.
Hoskins, C. H., and another, Sydney, N.S.W. Joint for metal pipes .. .. .	9771	11 Aug.
Hoskins, G. J., and another, Sydney, N.S.W. Joint for metal pipes .. .. .	9771	11 Aug.
Hough, A., and another, San Francisco, U.S.A. Electrical or storage battery .. .. .	9741	2 Aug.
Houston, J., and another, Hawera, N.Z. Ploughing and harrowing implement .. .. .	10110	10 Nov.
Howden, T. G., Kew, Vic. Lighting an incandescent electric lamp .. .. .	10046	23 Oct.
Howe, J. H., Christchurch, N.Z. Cycle-driving mechanism .. .. .	9849	31 Aug.
Howe, J. H., Christchurch, N.Z. Gear-wheel .. .. .	9850	31 Aug.
Hudson, F. M., and another, Christchurch, N.Z. Tire .. .. .	9507	7 May.
Hughes, W. E., Wellington, N.Z. Wheel and axle. (E. L. Cantwell) .. .. .	9790	13 Aug.
Hughes, W. E., Wellington, N.Z. Blasting-powder. (B.C.P. Powder Syndicate, Limited, G. de Wolf, B. C. Pettingell)	10059	27 Oct.
Hullett, A. C., and another, Christchurch, N.Z. Bicycle-pedal .. .. .	9281	15 Feb.
Hullett, A. C., and another, Christchurch, N.Z. Bicycle-pedal attachment .. .. .	9288	3 Feb.
Hume, R. D., Gold Beach, Oregon, U.S.A. Can-making machine .. .. .	9673	12 July.
Huntington, T., and another, Pertusola, Italy. Treating sulphide ores of lead .. .. .	9421	8 April.
Hyde, W., Wellington, N.Z. Jug-cover .. .. .	9846	1 Sept.
Imperial Writing-machine Company (Limited), The, Montreal, Canada. Typewriting-machine. (W. P. Kidder)	10089	4 Nov.
Incandescent Fire-mantel and Stove Company (Limited), London, Eng. Fireplace devices. (W. H. Harvey)	10249	23 Dec.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS FOR THE YEAR 1897—*continued.*

Name, Residence, and Invention.	No.	Date.
Ingraham, C. A., Wabigoon, Canada. Rotary engine .. .. .	10048	23 Oct.
Jack, R., Rutherglen, Vic. Fruit-case .. .. .	9228	27 Jan.
Jack, R., Rutherglen, Vic. Paper-bag .. .. .	9229	27 Jan.
Jack, R., Rutherglen, Vic. Opening mouths of paper-bags .. .. .	9414	8 April
Jackson, F. H., and another, New Plymouth, N.Z. Rat-trap .. .. .	9504	7 May.
Jacobsen, T. B., and another, Thames, N.Z. Brake for cages used in shafts, &c. .. .. .	9927	20 Sept.
James, A., Glasgow, Scotland. Precipitation of gold and silver from cyanide solutions .. .. .	9435	8 April.
Jay, C. E., Adelaide, S.A. Affixing umbrellas, &c., to cycles .. .. .	10060	26 Oct.
Jefferson, M. G. B., and another, Melbourne, Vic. Centrifugal pump .. .. .	9744	2 Aug.
Jennings, W., and another, Beechworth, Vic. Centrifugal pump .. .. .	9744	2 Aug.
Jennings, W., and another, Beechworth, Vic. Mining pump .. .. .	9745	2 Aug.
Jickell, S., Nelson, N.Z. Working ships' boats .. .. .	9800	6 Aug.
Johns, C., Dunedin, N.Z. Boot-attachment for cutting sods for laying rabbit-poison .. .. .	9293	23 Feb.
Johns, J. T., and others, Auckland, N.Z. Heating-pan, steam generator, and furnace combined .. .. .	9818	20 Aug.
Johnson, F., and others, London, Eng. Wheel .. .. .	9198	14 Jan.
Johnson, T., and another, Christchurch, N.Z. Keyless lever-lock for box .. .. .	10072	1 Nov.
Johnson, T., and another, Christchurch, N.Z. Clothes washing-machine .. .. .	10073	1 Nov.
Johnson, T., and another, Christchurch, N.Z. Draught-preventer for doors .. .. .	10074	1 Nov.
Johnston, A., Devonport, Auckland, N.Z. Tie-fastener .. .. .	9304	24 Feb.
Johnston, A., Devonport, Auckland, N.Z. Roller-typographer .. .. .	9752	31 July.
Johnstone, P., and another, Gympie, Queensland. Saving gold, &c. .. .. .	9835	28 Aug.
Jolly, R. W., and others, Fitzroy, Vic. Amalgamator and concentrator .. .. .	9299	25 Feb.
Jolly, W., Dunedin, N.Z. Axle-box for plough-wheels, &c. .. .. .	9584	3 June.
Jones, A. R., Dunedin, N.Z. Tallow-lamp .. .. .	10085	3 Nov.
Jones, E., and another, Christchurch, N.Z. Reducing temperature of storage-chambers .. .. .	9201	14 Jan.
Jones, H., and another, Ascot Vale, Vic. Amalgamator .. .. .	9169	5 Jan.
Jones, H., and another, Adelaide, S.A. Manufacturing steel .. .. .	9770	11 Aug.
Jones, J., and others, Melbourne, Vic. Treatment of tailings containing gold, &c. .. .. .	9581	31 May.
Jones, L., and another, Bolton, Eng. Spray-brush .. .. .	9964	7 Oct.
Jones, M. L., and another, Bolton, Eng. Spray-brush .. .. .	9964	7 Oct.
Jones, Gordon. (See under G.)		
Jones, Hill. (See under H.)		
Joyce, B., and others, Wellington, N.Z. Drawing off aerated waters and mixing same with syrups .. .. .	9569	27 May.
Joyce, L., Kaikoura, N.Z. Tine-harrow .. .. .	9839	28 Aug.
Joyce, L., Halkett, N.Z. Toy .. .. .	10166	24 Nov.
Juhl, P. E. T., and another, Copenhagen, Denmark. (See Maskinforretningen Interressentskabet Daawrud, No. 9264.)		
Juniper, A. S., New Barnet, Eng. Export crate for rabbits .. .. .	10219	17 Dec.
Jury, H. R., and another, Auckland, N.Z. Pencil, rubber and tape-measure combined .. .. .	10208	7 Dec.
Kapteyn, A., London, Eng. Valves for pneumatic railway-brakes .. .. .	10220	17 Dec.
Kavanagh, M. T. J., and others, Auckland, N.Z. Sauce .. .. .	9428	27 March.
Kay, J. H., and another, Swamp Oak, N.S.W. Toilet-powder ejector .. .. .	9197	14 Jan.
Kee, D. C., Pleasant Point, Canterbury, N.Z. Milk-can .. .. .	9234	28 Jan.
Keene, C. B., Gurley, N.S.W. Wire-strainer .. .. .	9519	12 May.
Kehle, E., and another, Newark, U.S.A. Photographic camera .. .. .	9193	14 Jan.
Keith, J. A., Invercargill, N.Z. Horse-collar and hames combined .. .. .	10083	30 Oct.
Kelly, H. J. S., Thursday Island, Queensland. Diving-dress .. .. .	9447	14 April.
Kemble, R. G., and another, Wellington, N.Z. Wire-strainer .. .. .	9993	14 Oct.
Kenealy, W. D., and another, Auckland, N.Z. Retaining a door in position .. .. .	10149	18 Nov.
Kenealy, W. D., and another, Auckland, N.Z. Potato-peeler .. .. .	10150	18 Nov.
Kerry, R. A. C., Auckland, N.Z. Pest-exterminator .. .. .	9980	4 Oct.
Kidder, W. P., Boston, U.S.A. (See the Imperial Writing-machine Company, Limited, No. 10089.)		
Kiernan, C. T., Invercargill, N.Z. Easy chair .. .. .	10068	18 Oct.
Kingston, G. H., and another, Geraldine, N.Z. Destroying rabbits .. .. .	9526	15 May.
Kingston, T., and another, Geraldine, N.Z. Destroying rabbits .. .. .	9526	15 May.
Kirby, E. E., and another, Christchurch, N.Z. Keyless lever-lock for box .. .. .	10072	1 Nov.
Kirby, E. E., and another, Christchurch, N.Z. Clothes washing-machine .. .. .	10073	1 Nov.
Kirby, E. E., and another, Christchurch, N.Z. Draught-preventer for doors .. .. .	10074	1 Nov.
Kirkbride, J. L., Wellington, N.Z. Crushing rolls .. .. .	9760	6 Aug.
Kirkbride, J. L., Auckland, N.Z. Feeder for stamper battery .. .. .	10052	21 Oct.
Knapp, F. A., and another, Prescott, Canada. Marine vessel .. .. .	9510	10 May.
Knoche, A., Elberfeld, Germany. (See M. Brab, No. 9297.)		
Köneman, W. A., Chicago, U.S.A. Separating slime or gas from bodies containing same .. .. .	9187	11 Jan.
Köneman, W. A., and another, London, Eng. Treating ores .. .. .	9389	8 April.
Köneman, W. A., and another, London, Eng. Separating liquid from bodies mingled with same .. .. .	9942	30 Sept.
Köneman, W. A., and another, London, Eng. Ore-concentrator .. .. .	10058	27 Oct.
Köneman, W. A., and another, London, Eng. Pulverising apparatus .. .. .	10179	3 Dec.
Kressel, E. C. L., and another, London, Eng. Alimentary extract .. .. .	9971	8 Oct.
Ladbrook, H. A., Invercargill, N.Z. Bicycle-crank .. .. .	10134	15 Nov.
Ladd, S. W., and another, Beverley, U.S.A. (See Consolidated and McKay Lasting-machine Company, No. 9854.)		
Lake, F. J., Dunedin, N.Z. Tin or canister .. .. .	9348	20 Feb.
Lake, F. J., Dunedin, N.Z. Envelope .. .. .	9669	7 July.
Lamb, R. B., and another, Camden, U.S.A. Bicycle tire-guard .. .. .	9620	18 June.
Landells, W. H., Ashburton, N.Z. Cycle .. .. .	9217	20 Jan.
Landells, W. H., and another, Ashburton, N.Z. Extension-rod for bicycle-crank .. .. .	9731	27 July.
Landin, J., Stockholm, Sweden. (See A. F. Lundström, No. 10049.)		
Lane, J. S., and another, Sydney, N.S.W. Pulverising-machine. (E. T. Brissenden)	9883	9 Sept.
Lane, M. W., Auckland, N.Z. Cycle-gearing .. .. .	9685	12 July.
Lang, A. T., Melbourne, Vic. Shutting off heat from oven or stove .. .. .	10090	4 Nov.
Langhans, R., Berlin, Germany. Producing oxides of earth-metals and incandescing media .. .. .	9209	21 Jan.
Langley, A. E., and others, Auckland, N.Z. Propeller-blade .. .. .	9373	20 March.
Langstone, J. E., and another, Greytown, N.Z. Composition for coating butter-boxes .. .. .	9186	11 Jan.
Langstone, J. E. and another, Greytown, N.Z. Enamel for lining butter-boxes .. .. .	9610	14 June.
Lanigan, P., Auckland, N.Z. Means of working under water for gold, &c. .. .. .	9981	7 Oct.

## ALPHABETICAL LIST OF APPLICANTS FOR PATENTS FOR THE YEAR 1897—continued.

Name, Residence, and Invention.	No.	Date.
Lansell, G., Bendigo, Vic. Mining-pump .. .. .	9920	21 Sept.
Lanston Monotype-machine Company, Washington, U.S.A. Machine for preparing perforated record-strips for type-forming machines. (T. Lanston)	10005	18 Oct.
Lanston Monotype-machine Company, Washington, U.S.A. Type-casting and composing-machine. (T. Lanston)	10006	18 Oct.
Lanston, T., Washington, U.S.A. (See Lanston Monotype-machine Company, Nos. 10005 and 10006).		
Lavell, J. R., Ontario, Canada. Sulky-plough. (W. H. Perrin) .. .. .	10182	3 Dec.
Lawrence, H. E., Christchurch, N.Z. Bicycle head-lock .. .. .	9191	12 Jan.
Lawrence, H. E., Christchurch, N.Z. Bicycle head-lock .. .. .	9192	12 Jan.
Lawson, S., Dunedin, N.Z. Dredge .. .. .	9243	1 Feb.
Leach, F., Angaston, S.A. Pneumatic tire .. .. .	9365	19 March.
Lee, F., Adelaide, S.A. Boot-nailing machine .. .. .	9653	1 July.
Lee, G. W., and others, Sydney, N.S.W. Manufacture of inflammable gas .. .. .	10160	25 Nov.
Legg, A., and another, Allendale, U.S.A. Sewing-machine .. .. .	9312	1 March.
Legg, A. W., Balclutha, N.Z. Fuel-economizer .. .. .	9185	4 Jan.
Leslie, F., and another, London, Eng. Cloth-cutting machine .. .. .	9311	1 March.
Leslie, G. J. A., and another, Auckland, N.Z. Door-check .. .. .	9287	17 Feb.
Leslie, G. J. A., and another, Auckland, N.Z. Door-check .. .. .	10149	18 Nov.
Leslie, G. J. A., and another, Auckland, N.Z. Potato-peeler .. .. .	10150	18 Nov.
Lever, H. G., and another, Auckland, N.Z. Folding arm-chair .. .. .	10075	1 Nov.
Levinge, J., Palmerston North, N.Z. Sun-dial .. .. .	9704	20 July.
Levinge, H. M., Palmerston North, N.Z. Overcoat .. .. .	10212	13 Dec.
Liardet, J. E., London, Eng. Electric-storage battery .. .. .	10135	17 Nov.
Lightband, C. D.; Christchurch, N.Z. Legging-fastening. (H. Robins and H. Cherry)	9977	7 Oct.
Linnemann, C. J. E., Hokitika, N.Z. Railway-signals .. .. .	9999	4 Oct.
Linton, F. R., Palmerston North, N.Z. Self-feeding brand .. .. .	10228	17 Dec.
Llatas, C. de Estève. (See under D.)		
Lloyd, B., Wellington, N.Z. Steam-trap .. .. .	9317	1 March.
Lloyd, B., Auckland, N.Z. Leaching ores .. .. .	9905	11 Sept.
Lloyd-Owen, E., Ipswich, Queensland. Amalgamator .. .. .	9773	11 Aug.
Locking, B., Napier, N.Z. Cycle-brake .. .. .	10151	23 Nov.
Lohmann, C. F. C., Northcote, Vic. Rotary motor .. .. .	9612	16 June.
Loudon, R., Balmain, N.S.W. Head for butter-box .. .. .	9520	12 May.
Love, W. W., Northcote, Vic. Window sash .. .. .	9985	9 Sept.
Lucas, J., sen., and another, Wellington, N.Z. Rail-fastening .. .. .	9262	12 Feb.
Lucas, J., jun., and another, Wellington, N.Z. Rail-fastening .. .. .	9262	12 Feb.
Lundström, A. F., Stockholm, Sweden. Gold-extracting process. (J. Landin)	10049	23 Oct.
Lycett, E. W., Melbourne, Vic. Lubricator and wire rope cleaner. (W. H. Richards)	9788	13 Aug.
Macalister, J., Invercargill, N.Z. Disc ridger .. .. .	9202	8 Jan.
MacDonald, H. E., Wellington, N.Z. Feed for seed-drills, &c. .. .. .	9339	10 March.
Macdonald, S., Christchurch, N.Z. Cycle-driving mechanism .. .. .	9563	21 May.
Macdonald, S., and another, Christchurch, N.Z. Means of connecting cyclist's shoe to pedal .. .. .	9564	21 May.
Macdonald, S., and another, Christchurch, N.Z. Single-tube tire .. .. .	9565	21 May.
Macdonnell, D. G., and another, Thames, N.Z. Loading-platform for aerial tramway .. .. .	9267	10 Feb.
Mackay, A., and others, Dannevirke, N.Z. Cycle-driving gear .. .. .	10168	27 Nov.
Mackenzie, J., Hastings, N.Z. Apparatus for lifting sunken vessels .. .. .	9862	31 Aug.
Mackenzie, J., Auckland, N.Z. Table with bread-crock, bins, kneading-board, &c., combined .. .. .	10107	8 Nov.
MacNair, D., Wellington, N.Z. Boiler .. .. .	9178	7 Jan.
MacSwinney, G. H., Sydney, N.S.W. Optical toy .. .. .	10248	23 Dec.
Macvean, A., Christchurch, N.Z. Strap-fastener .. .. .	10141	17 Nov.
Madder, W., New Plymouth, N.Z. Vehicle-brake .. .. .	9830	26 Aug.
Madder, W., Waitara, N.Z. Vehicle-brake .. .. .	9344	18 Feb.
Maitland, J., Dunedin, N.Z. Apparatus for obtaining power .. .. .	9881	9 Sept.
Makin, E., jun., Manchester, Eng. Steam-generator or water-heater .. .. .	9754	4 Aug.
Mann, W. A., Pukekohe, N.Z. Skeith-attachment to ploughs .. .. .	9717	20 July.
Manning, S., and another, Christchurch, N.Z. Means of conserving rivers .. .. .	9979	8 Oct.
Mant, T., and another, Christchurch, N.Z. Split pulley .. .. .	10210	10 Dec.
Manvers, A., and others, Northcote, Vic. Puncture-resisting shield for pneumatic tire .. .. .	9325	4 March.
Marconi, G., Middleton, Eng. (See the Wireless-telegraph and Signal Company, Limited, No. 9925.)		
Marks, H. J., Toowoomba, Queensland. Railway-car coupling .. .. .	9585	19 May.
Marks, P., and others, Wellington, N.Z. Egg-preservative .. .. .	9865	6 Sept.
Marple, J. H., New Plymouth, N.Z. Horse cover .. .. .	9603	12 June.
Marriott, F., Auckland, N.Z. Air-float for raising sunken vessels .. .. .	9937	25 Sept.
Marsden, J., Standish, Eng. Marking out cloth for cutting, embroidering, &c. .. .. .	10152	24 Nov.
Marsden, M. W., Philadelphia, U.S.A. Corn product .. .. .	9171	5 Jan.
Marsh, J., Melbourne, Vic. Flushing siphon-cistern .. .. .	9461	22 April.
Marshall, J., and another, Dunedin, N.Z. Butter-worker .. .. .	9842	31 Aug.
Martin, A. J., and others, Exeter, Eng. Treating sewage .. .. .	9419	8 April.
Martin, A. J., and others, Exeter, Eng. Sewage-treating apparatus .. .. .	9420	8 April.
Martin, E. C., Toorak, Vic. Bicycle seat support .. .. .	9368	18 March.
Martin, J., Melbourne, Vic. Means for supplying hot air, &c., to furnaces .. .. .	9462	22 April.
Martin, J., Sydney, N.S.W. Machine sheepshears. (H. Bland) .. .. .	9789	13 Aug.
Maskinforretningen Interessentskabet Daawrud, Stavanger, Norway. Machine for printing cylindrical objects. (G. Eickhoff and P. E. T. Juhl)	9264	12 Feb.
Mason, F. W., and another, Napier, N.Z. Process of producing bas-relief photographs .. .. .	10108	5 Nov.
Massey-Harris Company (Limited), Toronto, Canada. Bicycle-brake and foot-rest. (S. Fader) .. .. .	9446	14 April.
Masters, V. E., and others, Sydney, N.S.W. Cycle-driving-gear .. .. .	9268	13 Feb.
Mather, J., and another, Otakeho, N.Z. Composition for covering steam-pipes, boilers, &c. .. .. .	10215	5 Dec.
Mawson, J. K., and another, Papanui, N.Z. Divider for reaper-and-binder .. .. .	9824	23 Aug.
May, E., Vienna, Austria. Composition for preserving articles of food .. .. .	9621	18 June.
May, E., Vienna, Austria. Preservative material for protecting food-substances .. .. .	9622	18 June.
May, T. W., Auckland, N.Z. Automatic engine .. .. .	9928	23 Sept.
McCallum, C., London, Eng. Collapsible box .. .. .	9219	23 Jan.
McCallum, D., and others, London, Eng. Wheel .. .. .	9198	14 Jan.
McCornack, H., West Chester, U.S.A. (See P. M. Sharples, No. 9602.)		

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS FOR THE YEAR 1897—*continued.*

Name, Residence, and Invention.	No.	Date.
McDonald, G., Dunedin, N.Z. Bicycle-brake .. .. .	10234	20 Dec.
McDonald, H. E., and others, Wellington, N.Z. Fumigator .. .. .	9931	25 Sept.
McDonald, M., Clunes, Vic. Hame-hook .. .. .	10117	11 Nov.
McDougall, J. W., Napier, N.Z. Non-refillable bottle .. .. .	9220	23 Jan.
McDougall, J. W., Napier, N.Z. Non-refillable bottle .. .. .	9366	19 March.
McDougall, J. W., Napier, N.Z. Tire .. .. .	9570	27 May.
McDougall, J. W., Napier, N.Z. Pneumatic tire .. .. .	9702	19 July.
McFarlane, J., Wanganui, N.Z. Horse-cover .. .. .	9431	29 April.
McFeely, R. F., and another, Beverly, U.S.A. (See Consolidated and McKay Lasting-machine Company, No. 9854.) .. .. .		
McGee, W. G., Nelson, N.Z. Pneumatic tire-protector .. .. .	9233	27 Jan.
McGill, E. S., Gore, N.Z. Road-grader .. .. .	10227	17 Dec.
McGregor, A. K., Wellington, N.Z. Brake for velocipede .. .. .	9705	20 July.
McGrevy, T., Opotiki, N.Z. Trace-fastening .. .. .	9263	12 Feb.
McGrevy, T. S., Auckland, N.Z. Repairing chape .. .. .	9811	20 Aug.
McInnis, D., and another, Brunswick, Vic. Method of manufacturing head-stall halters .. .. .	9456	22 April.
McInnes, L., and another, Brunswick, Vic. Method of manufacturing head stall halters .. .. .	9456	22 April.
McKee, R. J., and others, Wellington, N.Z. Method of and apparatus for drawing aerated waters and mixing same with syrup .. .. .	9569	27 May.
McKenzie, G., and another, Auckland, N.Z. Rudder for auxiliary screw-vessel .. .. .	9907	9 Sept.
McLeod, A., Auckland, N.Z. Bicycle speed-altering gear .. .. .	9359	27 Feb.
McLeod, A., and another, Auckland, N.Z. Horse-collar .. .. .	9871	18 Aug.
McLeod, C., Melbourne, Vic. Cultivator and seed-drill combined .. .. .	9215	21 Jan.
McLeod, F., and another, Auckland, N.Z. Horse-collar .. .. .	9871	18 Aug.
McLeod, H. N., Wellington, N.Z. Device for securing ends of twine around parcels, &c. .. .. .	9441	13 April.
McLeod, W. M., Cape Foulwind, N.Z. (See F. Sontgen, No. 9349.) .. .. .		
McManus, W., and others, Auckland, N.Z. Cross-arms balance for under-carriage of vehicles .. .. .	9557	18 May.
McManus, W., and others, Auckland, N.Z. Bearings and ends for under-carriage balance of vehicles .. .. .	9664	3 July.
McMeehin, J. P., and another, Melbourne, Vic. Milk-pail holder .. .. .	10062	28 Oct.
McNeil, H. M., Wanganui, N.Z. Vehicle lamp-holder .. .. .	9665	5 July.
McQuillan, W., Balmain, N.S.W. (See Deep-sea Diving Company, Limited, No. 9362.) .. .. .		
McRae, J., Christchurch, N.Z. Wire-fencing apparatus .. .. .	9697	16 July.
Menesdorffer, A., and others, Northcote, Vic. Amalgamator and concentrator .. .. .	9299	25 Feb.
Mercer, W. A., and another, Auckland, N.Z. Boot-stretcher, -tree, or -last .. .. .	9906	14 Sept.
Mercer, W. A., and another, Auckland, N.Z. Method of applying oil for sea-calming purposes .. .. .	9912	18 Sept.
Merriam, H. P., and another, New York, U.S.A. Air-compressor for vehicle-brake .. .. .	9632	1 July.
Merrillees, E., Melbourne, Vic. Belt- or body support for cyclist .. .. .	9985	14 Oct.
Metcalfs, J. Harvey-. (See under H.) .. .. .		
Miller, H., and another, Dunedin, N.Z. Two-wheeled vehicle or gig .. .. .	9505	21 April.
Miller, W. H. B., Melbourne, Vic. Clothes-line prop-head .. .. .	10125	15 Nov.
Mills, E. J., Glasgow, Scotland. Forming soluble colloids of the gelatine class .. .. .	9924	24 Sept.
Minchin, H. E. A., Christchurch, N.Z. Self-feeding machine for removing the soil from twitch-sods .. .. .	9658	28 June.
Mirfin, G., Melbourne, Vic. Oil-cistern or receptacle .. .. .	9290	23 Feb.
Mitchell, J., Auckland, N.Z. Holdfast for wood framing .. .. .	9409	2 April.
Mitchell, J. W., and another, Dunedin, N.Z. Measuring-apparatus for liquids .. .. .	9635	25 June.
Mohr, B., Hampstead, Eng. Treating sulphide ore for separating zinc from the lead, &c. .. .. .	9710	22 July.
Moir, J. B., Invercargill, N.Z. Washing-boiler .. .. .	9804	2 Aug.
Money, J., and others, Grantham, Eng. (See R. Hornsby and Sons, Limited, No. 9315.) .. .. .		
Monk, W., and another, Nottingham, Eng. Degreasing leather .. .. .	9417	8 April.
Montalk, R. W., De. (See under D.) .. .. .		
Montgomerie, J. C., and another, Stair, Scotland. Treating gold- and silver-ores .. .. .	9643	30 June.
Moorhouse, W. H. S., and another, Wellington, N.Z. Bicycle-brake .. .. .	9867	6 Sept.
Morey, E., and another, Ballarat, Vic. Apparatus for ventilating mines .. .. .	9708	22 July.
Morgan, D., Launceston, Tasmania. Rotary engine, usable as pump or motor .. .. .	9550	19 May.
Morgan, D., Launceston, Tasmania. Cycle-wheel .. .. .	10036	21 Oct.
Moriarty, W., Wellington, N.Z. Shop-window .. .. .	10132	16 Nov.
Morris, C. C., Riverton, N.Z. Tea-urn and teapot .. .. .	9360	8 March.
Morris, C. C., Dunedin, N.Z. Window-sash regulator and lock combined .. .. .	10087	3 Nov.
Morris, J., Wellington, N.Z. Clothes-line standard .. .. .	9666	9 July.
Morton, R., London, Eng. Gas-stove .. .. .	9474	26 April.
Morton, W., Dunedin, N.Z. Screening auriferous wash-dirt .. .. .	9592	31 May.
Morton, W., Dunedin, N.Z. Gold-saving apparatus .. .. .	9593	31 May.
Morton, W., Dunedin, N.Z. Screen for auriferous wash-dirt .. .. .	10112	8 Nov.
Moss, E., Christchurch, N.Z. Spanner .. .. .	9529	14 May.
Moss, E., and another, Christchurch, N.Z. Cycle driving-gear .. .. .	9898	9 Sept.
Motz, E., and another, Chesterfield, U.S.A. Electrolytic apparatus .. .. .	10178	3 Dec.
Mudros Syndicate (Limited), London, Eng. Apparatus for extracting metal from ore. (J. J. Shedlock) .. .. .	9768	11 Aug.
Muirhead, P., Christchurch, N.Z. Twitch-grubber .. .. .	9825	23 Aug.
Mulholland, C. A., and another, Bathurst, N.S.W. Extracting metals from ores by solvents and electrolysis .. .. .	9457	22 April.
Mumm, D. P., Mokihinui, N.Z. Nautical sounding-apparatus .. .. .	9611	14 June.
Munro, D., Waitara, N.Z. Trouser-rack and -stretcher .. .. .	9556	18 May.
Murch, W. H., and others, Bournemouth, Eng. Manufacturing calcium-carbide .. .. .	9306	26 Feb.
Murch, W. H., and another, Cradley Heath, Eng. Acetylene gas-generator .. .. .	9455	22 April.
Murdoch, H. H., Hastings, N.Z. Hack-saw .. .. .	9487	30 April.
Murgatroyd, J., Christchurch, N.Z. Apparatus for shearing skins .. .. .	9887	6 Sept.
Murison, C. M., Dunedin, N.Z. Bicycle driving-chain .. .. .	9372	23 March.
Murphy, D., and others, Otahuhu, N.Z. Cross-arms balance for vehicle .. .. .	9557	18 May.
Murphy, D., and others, Otahuhu, N.Z. Bearings and ends for cross-arms balance for vehicle .. .. .	9664	3 July.
Murphy, P. D., Dunedin, N.Z. Annealing iron- and steel-castings .. .. .	9321	1 March.
Murray, A. C., Dunedin, N.Z. Velocipede-brake .. .. .	9701	19 July.
Murray, J., Christchurch, N.Z. Tubular auger .. .. .	9494	4 May.
Murray, J., and others, Cowra Creek, N.S.W. Amalgamator and separator .. .. .	9632	24 June.



## ALPHABETICAL LIST OF APPLICANTS FOR PATENTS FOR THE YEAR 1897—continued.

Name, Residence, and Invention.	No.	Date.
Murray, S. E., and others, Cowra Creek, N.S.W. Amalgamator and separator .. .. .	9632	24 June.
Murray, W. A., Cappeedee, N.S.W. Affixing and adjusting cycle-handles .. .. .	10175	2 Dec.
Murray, W. T., Wallacetown, N.Z. Concentrated milk .. .. .	9320	3 March.
Myers, F. G., Johannesburg, South African Republic. Machine for forging, &c., metal articles ..	9781	*22 Oct. '96.
Myers, F. G., Johannesburg, South African Republic. Machine for cutting and sharpening rock-drills	9782	*22 Oct. '96.
Myers, F. G., Johannesburg, South African Republic. Machine for forging and sharpening rock-drills	9783	*22 Oct. '96.
Myers, J., and another, Numarkah, Vic. Multi-furrow plough .. .. .	9832	9 Sept.
Nagel, E., Wellington, N.Z. Producing bas-relief photographs .. .. .	9994	14 Oct.
Nairn, W. S., Wallingford, N.Z. Wire-strainer .. .. .	10080	2 Nov.
Nash, J. G., Adelaide, S.A. Sheepshearing-machine .. .. .	10039	21 Oct.
Nelson, W., Tomoana, N.Z. Refrigerating apparatus .. .. .	10170	26 Nov.
Newman, C., Adelaide, S.A. Bicycle-tire .. .. .	10031	21 Oct.
Newman, W. T., Toronto, Canada. Separating ores .. .. .	9609	14 June.
Nicholl, W. S. C., Wellington, N.Z. Sleeping-bag .. .. .	10038	21 Oct.
Nicholls, W. H., and another, Croydon, N.S.W. Apparatus for destruction of noxious matters, &c.	9834	9 Sept.
Nightingale, H. E., and another, New Plymouth, N.Z. Rat-trap .. .. .	9504	7 May.
Nooten, Van. (See under V.)		
Norgrove, W., Wellington, N.Z. Rotary engine .. .. .	9324	4 March.
Norton, H. P., and another, Auckland N.Z. Rudder .. .. .	9907	9 Sept.
Norton, W. H., and another, Christchurch, N.Z. Bicycle driving-gear .. .. .	9975	6 Oct.
Noy, G. W., and others, Greymouth, N.Z. Feeding-bottle heater or foot-warmer .. .. .	10079	6 Sept.
Noy, H. G., and others, Greymouth, N.Z. Feeding-bottle heater or foot-warmer .. .. .	10079	6 Sept.
Noy, M. E., and others, Greymouth, N.Z. Feeding-bottle heater or foot-warmer .. .. .	10079	6 Sept.
Nunan, J. F., Melbourne, Vic. Bedstead and mattress .. .. .	9743	2 Aug.
Oakley Stone Company (Limited), Sydney, N.S.W. Artificial stone. (W. A. Oakley)	10224	17 Dec.
Oakley, W. A., Sydney, N.S.W. (See Oakley Stone Company, Limited, No. 10224.)		
Oastler, A. Y., and another, Melbourne, Vic. Aerating and sterilising beer .. .. .	9646	30 June.
Oastler, A. Y., and another, Melbourne, Vic. Filling bottles .. .. .	9647	30 June.
Oates, J. G., and another, Wellington, N.Z. Wire-strainer .. .. .	9993	14 Oct.
Oatway, G. H., Dunedin, N.Z. Gold-saving appliance .. .. .	10209	9 Dec.
Oatway, G. H., Dunedin N.Z. Appliance for precipitating gold on dredge-tables .. .. .	10218	13 Dec.
Oatway, G. H., and another, Dunedin, N.Z. Gold-saving appliance for dredge .. .. .	10197	3 Dec.
O'Connell, P., Christchurch, N.Z. Shaft-tug for vehicle .. .. .	9730	26 July.
Officer, C. G. W., and others, Melbourne, Vic. Treating tailings containing gold, &c.	9531	31 May.
Ogden, A., Sydney, N.S.W. Pneumatic tire .. .. .	10153	24 Nov.
Ogden, A., and another, Sydney, N.S.W. Enamel paint and mode of applying same. (F. Boyling)	9511	10 May.
Olivecrona, C. J., and others, Wellington. Fumigator .. .. .	9931	25 Sept.
O'Meara, P., Pietermaritzburg, Natal. (See E. Waters, No. 9323.)		
O'Neill, H., Leichhardt, N.S.W. Rabbit trap .. .. .	9424	8 April.
Oppermann, E. L., London, Eng. Amalgamating and extracting gold from ores .. .. .	9328	5 March.
Ormond, J. H., and another, Gisborne, N.Z. Filtering water .. .. .	10232	14 Dec.
Orr, A., and another, Melbourne, Vic. Elevator-frame for reaper-and-binder .. .. .	9874	8 Sept.
Osborne, J. Doyleston, N.Z. Shoe for bottom of pipes for artesian wells .. .. .	9897	8 Sept.
Osmond, C. H., Dunedin, N.Z. Gold-saving table for dredge .. .. .	9758	6 Aug.
Owen, E., and others, Auckland, N.Z. Channel and kerb for roads, crossings, &c. .. .. .	9606	10 June.
Owen, E. Lloyd-. (See under L.)		
Page, W., Winchester, N.Z. Wire-strainer .. .. .	9939	29 Sept.
Pallant, W. J., Palmerston North, N.Z. Bottle .. .. .	9352	15 March.
Papprill, S., Westport, N.Z. Gold-saving table .. .. .	9805	20 Aug.
Parker, J. A., Sydney, N.S.W. Preserving fruit, eggs, &c. .. .. .	9574	29 May.
Parker, J. A., Sydney, N.S.W. Cycle-tire .. .. .	10129	15 Nov.
Parker, J. J., and another, Auckland, N.Z. Metal batten for wire fencing .. .. .	9801	13 Aug.
Parker, W., Kaipara, N.Z. Hook-nail for fastening fencing-wire .. .. .	9725	24 July.
Parker, W., and another, Kaipara, N.Z. Batten for wire fencing .. .. .	9801	13 Aug.
Parkerson, R. K., and another, Ealing, N.Z. Cycle-propelling mechanism .. .. .	9720	23 July.
Parkes, H., and another, Dulwich, Eng. Treating gold- and silver-ores .. .. .	9643	30 June.
Partridge, W. E., and another, Birmingham, Eng. Joining tubing to sockets .. .. .	9166	4 Jan.
Pascoe, A., Palmerston North, N.Z. Window-sash fastener .. .. .	9729	28 July.
Patent Agglomeration Fuel Syndicate (Limited), The, Swansea, South Wales. Artificial fuel. (H. C. B. Forester)	10032	21 Oct.
Pateson, H., and another, Sydney, N.S.W. Freezing meat .. .. .	9786	13 Aug.
Payne, W. S., Invercargill, N.Z. Drain-plough .. .. .	9791	10 Aug.
Peacock, W. C., Melbourne, Vic. Rotary disc plough. (J. B. Garde)	10247	23 Dec.
Pease, E. L., Stockton-on-Tees, Eng. Structural arrangement .. .. .	9923	*26 Sep. '96.
Peez, O. K., Opawa, N.Z. Connecting-rod for cycles .. .. .	9657	28 June.
Pegley, G. B., New Brighton, N.Z. Ventilated box .. .. .	9247	26 Nov. '96.
Pelatan, L., and others, Paris, France. Treating gold- and silver-ores .. .. .	10222	17 Dec.
Pemberton, C. F. Sefton, N.Z. Earth-closet .. .. .	9959	2 Oct.
Penney, G. W., East Gore, N.Z. Tine-harrow .. .. .	9950	1 Oct.
Pennington, E. J., Coventry, Eng. Machine-gun .. .. .	9422	8 April.
Pennyquick, J. G., Toronto, Canada. (See J. M. Ewen, No. 9364.)		
Perkins, A. T., Chicago, U.S.A. (See J. M. Smart, No. 9464.)		
Perkins, A. T., Chicago, U.S.A. (See J. M. Smart, No. 9465.)		
Perkins, J. F., and another, Auckland, N.Z. Bicycle friction-gear .. .. .	9410	5 April.
Perkins, J. F., and another, Auckland, N.Z. Bicycle driving-gear .. .. .	9411	5 April.
Perrin, W. H., Ontario, Canada. (See J. R. Lavell, No. 10182.)		
Petrie, T. A., and another, Islington, N.Z. Electric meat- and goods-marker .. .. .	9747	12 July.
Pettingell, B. C., and others, Victoria, British Columbia. (See W. E. Hughes, No. 10059.)		
Phillips, H., Dunedin, N.Z. Medicine .. .. .	9751	30 July.
Phillips, J., Christchurch, N.Z. Cycle-gearing .. .. .	10120	11 Nov.
Philp, W. J., Timaru, N.Z. Wire-fastening .. .. .	9255	27 Nov. '96.
Piedfort, A., Calais, France. Telegraphic receiver .. .. .	9196	14 Jan.
Piercy, J., Kuaotunu, N.Z. Motive-power machine and grinder .. .. .	9393	12 Feb.
Pike, jun., W. H., St. Louis, U.S.A. (See A. T. Ashwell, No. 10054.)		
Pike, jun., W. H., St. Louis, U.S.A. (See A. T. Ashwell, No. 10055.)		

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Name, Residence, and Invention.	No.	Date.
Pinches, W., Wanganui, N.Z. Concrete structures .. .. .	9938	25 Sept.
Pinches, W., Wanganui, N.Z. Weather- or sheathing-boards .. .. .	10004	14 Oct.
Pingault, A. G., and another, Paris, France. Electric propulsion .. .. .	9886	27 March.
Plant, E. H. T., and another, Charters Towers, Queensland. Amalgamating-pan .. .. .	9711	22 July.
Poole, J., Coolgardie, W.A. Treating ores, &c. .. .. .	9894	10 Sept.
Port, C. A., Dunedin, N.Z. Spade .. .. .	9696	14 July.
Porter, A., Wellington, N.Z. Bicycle-brake .. .. .	9822	25 Aug.
Porter, B., Napier, N.Z. Corset .. .. .	9706	20 July.
Porter, T. C., Eton, Eng. Apparatus for viewing stereoscopic pictures .. .. .	9742	2 Aug.
Potter, A. L., St. Kilda, Vic. Branding-composition .. .. .	9415	8 April.
Preddy, G., Christchurch, N.Z. Frictional surface for lining seed-machinery .. .. .	9172	5 Jan.
Price, J., and others, London, Eng. Velocipede .. .. .	9168	5 Jan.
Price, W. H., Sydenham, N.Z. Drip-cup for sprayer-nozzle .. .. .	10070	29 Oct.
Priestley, H., Northern Wairoa, N.Z. Jaw for spear of timber-jack .. .. .	9514	6 May.
Pringle, R., and another, London, Eng. Gas-stove .. .. .	9474	26 April.
Pringle, R., Blackheath, Kent, Eng. Gas-stove .. .. .	9926	22 Sept.
Pritchard, A. E., Sydney, N.S.W. Tie for hollow or cavity walls .. .. .	9987	14 Oct.
Pritchett, P. H., Little River, Canterbury, N.Z. Cooking-utensil .. .. .	9816	20 Aug.
Pulbrook, A., West Kensington, Middlesex, Eng. Tire .. .. .	9675	12 July.
Pullman, W. W., Matapouri, N.Z. Catamaran .. .. .	9179	4 Dec. '96.
Purdy, J. R., Hutt, Wellington, N.Z. Opening aerated-water bottles .. .. .	9181	9 Jan.
Quartier, H., Dunedin, N.Z. Belt-fastener .. .. .	9733	28 July.
Quick, S. P., Johannesburg, South Africa. Forging and sharpening rock-drills .. .. .	9793	14 Aug.
Quinlivan, T., Coghell's Creek, Vic. Steering multi-furrow ploughs .. .. .	9986	14 Oct.
Rabe, H., and another, Thames, N.Z. Brake for cages used in shafts, &c. .. .. .	9927	20 Sept.
Rainbow, W., Christchurch, N.Z. Apparatus for teaching infants to walk .. .. .	9282	16 Feb.
Raky, A., Strasbourg, Germany. Boring apparatus .. .. .	9628	24 June.
Ranger, H. J., and another, Christchurch, N.Z. Cycle driving-gear .. .. .	9898	9 Sept.
Rawling, W. J., Adelaide, S.A. Hand-pump .. .. .	9377	25 March.
Rawlins, W., Palmerston North, N.Z. Milk- and cream-can .. .. .	9936	28 Sept.
Rawson, R., Launceston, Tasmania. Manufacturing fertilisers .. .. .	9858	2 Sept.
Ray, L., Wavertree, Eng. Appliance for correcting nasal deformity .. .. .	9244	3 Feb.
Rayner, H. E. R., Dunedin, N.Z. Fencing-standard .. .. .	9802	17 Aug.
Rayner, H. E. R., Dunedin, N.Z. Tool for holding fencing-standards while being driven .. .. .	10076	1 Nov.
Read, C., and another, Trangie, N.S.W. Cycle driving-gear .. .. .	9463	22 April.
Read, T., Wanganui, N.Z. Cycle two-speed gear .. .. .	9472	8 April.
Reading, S., Carlton, Vic. Barbed wire .. .. .	9308	15 Sept.
Reece, W., and another, Christchurch, N.Z. Floor- and lining-cramp .. .. .	9522	12 May.
Reece, W., and another, Christchurch, N.Z. Floor- and lining-cramp .. .. .	9932	25 Sept.
Reid, T. H., Dunedin, N.Z. Acetylene-gas generator .. .. .	9951	15 Sept.
Reeves, H. J., Dunedin, N.Z. Bread-knife and fork .. .. .	10217	15 Dec.
Reynolds, H. D. A., Dunedin, N.Z. Pot-cleaner .. .. .	9878	26 March.
Reynolds, L. H., Dunedin, N.Z. Dredge for recovering gold .. .. .	9599	8 June.
Reynolds, L. H., and another, Dunedin, N.Z. Gold-saving appliance for dredge .. .. .	10197	3 Dec.
Rhodin, J. G. A., and another, Eccles, Eng. Electrolyser .. .. .	10094	4 Nov.
Richard, G. A., Mount Morgan, Queensland. Roasting-furnace .. .. .	10245	23 Dec.
Richards, W. H., Ballarat, Vic. (See E. W. Lycett, No. 9788.) .. .. .		
Richards, W. J. H., Lewisham, N.S.W. Hanging window-sashes .. .. .	9817	24 Aug.
Richardson, D., and another, Gore, Otago, N.Z. Double door .. .. .	9176	7 Jan.
Richardson, R., Dunedin, N.Z. Hernia truss .. .. .	10069	28 Oct.
Ritchie, J., Dunedin, N.Z. Exploding blasting material .. .. .	10155	19 Nov.
Ritchie, T., and another, Gisborne, N.Z. Filtering water .. .. .	10232	14 Dec.
Roberts, A., London, Eng. (See Steelotile Manufacturing Company, Limited, No. 10181.) .. .. .		
Roberts, B., and another, Greymouth, N.Z. Cap for chimney-top .. .. .	9738	28 July.
Roberts, J., Auckland, N.Z. Cricket-stumps .. .. .	9853	11 March.
Roberts, P. A., Adelaide, S.A. Envelope .. .. .	9810	20 Aug.
Roberts, W., jun., Papanui, N.Z. Attaching wire to standards .. .. .	9434	7 April.
Roberts, W., jun., Christchurch, N.Z. Attaching wire to standards .. .. .	9601	7 June.
Robertson, J., Christchurch, N.Z. Flexible connection for cycle gear-wheels .. .. .	9326	4 March.
Robertson, J., Christchurch, N.Z. Cycle-wheel .. .. .	9827	4 March.
Robertson, J., Wellington, N.Z. Wire-strainer .. .. .	9531	18 May.
Robertson, J., Christchurch, N.Z. Bicycle driving-gear .. .. .	9976	6 Oct.
Robertson, J., and another, Christchurch, N.Z. Bicycle driving-gear .. .. .	9975	6 Oct.
Robins, A., and another, Auckland, N.Z. Bicycle friction-gear .. .. .	9410	5 April.
Robins, A., and another, Auckland, N.Z. Bicycle driving-gear .. .. .	9411	5 April.
Robins, H., and another, Ballarat, Vic. (See C. D. Lightband, No. 9977.) .. .. .		
Robinson, J., Christchurch, N.Z. Shaft-tug for vehicle .. .. .	9536	17 May.
Robinson, W., Christchurch, N.Z. Tire .. .. .	10140	17 Nov.
Robison, W. W., Kihikibi, N.Z. Thimble and thread-cutter combined .. .. .	10020	15 Oct.
Roger, E., Paris, France. (See the Anglo-French Motor-carriage Company, Limited, No. 5251.) .. .. .		
Roger, E., Paris, France. (See the Anglo-French Motor-carriage Company, Limited, No. 9252.) .. .. .		
Roland, J., Gisborne, N.Z. Combination-lock .. .. .	9896	16 March.
Roope, L. G., and another, Invercargill, N.Z. Smoke-consumer and spark-catcher .. .. .	9940	24 Sept.
Rose, J., Dunedin, N.Z. Race-starting machine .. .. .	9480	26 April.
Rose, T., and another, Greymouth, N.Z. Cap for chimney top .. .. .	9738	28 July.
Rosenthal, J. H., London, Eng. Feed-water purifier for steam-generator .. .. .	9844	1 Sept.
Ross, F. V., Hampden, Otago, N.Z. Blood-poisoning antidote .. .. .	9823	16 Aug.
Ross, T. H., and another, Sydney, N.S.W. Cigar- and tobacco-cutter, match-delivering device, and indicator combined .. .. .	9489	3 May.
Rowley, J. H. G., and another, Wellington, N.Z. Bicycle driving gear .. .. .	9227	26 Jan.
Rowley, T., Manchester, Eng. Tire .. .. .	9300	25 Feb.
Royds, C. J., and another, St. Bathans, N.Z. Cycle-gearing .. .. .	9319	3 March.
Russell, A., Lochiel, N.Z. Drain-plough plug .. .. .	10045	19 Oct.
Russell, T. G., and another, Christchurch, N.Z. Means of conserving rivers .. .. .	9979	8 Oct.
Ruxton, W., and others, Glasgow, Scotland. Honeycombing-attachment for sewing-machine .. .. .	10221	17 Dec.
Ryley, W., and another, South Yarra, Vic. Extracting liquid from slime .. .. .	9878	9 Sept.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS FOR THE YEAR 1897—*continued.*

Name, Residence, and Invention.	No.	Date.
Salenius, E. G. N., Stockholm, Sweden. Manufacturing butter .. .. .	9442	14 April.
Sanche, H., New York, U.S.A. Utilising dynamic energies of matter .. .. .	9875	8 Sept.
Sanderson, C. J., and another, Thames, N.Z. Plant-protector .. .. .	9812	4 Aug.
Sanderson, T. C., London, Eng. Manufacture of white-lead .. .. .	9972	8 Oct.
Sandilands, W. A., and another, Feilding, N.Z. Sash-fastener .. .. .	9973	8 Oct.
Sandlant, J., Gisborne, N.Z. Window-frame and -sash .. .. .	9746	8 Aug.
Sandlant, W., Gisborne, N.Z. Candle-guard .. .. .	9764	11 Aug.
Sargent, I., Ashburton, N.Z. Drill for sowing seed with manure .. .. .	9651	7 June.
Saunders, A., Brighton, Eng. Cheese-cutting apparatus .. .. .	9497	6 May.
Saville, R. E., Christchurch, N.Z. Advertising medium in form of a tricycle .. .. .	9400	24 March.
Sayles, F. D., Akaroa, N.Z. Horse-cover .. .. .	10003	18 Oct.
Scarth, J. W., and another, Pudsey, York, Eng. Generating acetylene gas .. .. .	10158	25 Nov.
Schaefer, A. W., Greymouth, N.Z. Producing bas-relief photographs .. .. .	10156	18 Nov.
Schatz, L., and another, Wellington, N.Z. Anti-refilling bottle .. .. .	9667	9 July.
Schloesser, R., Melbourne, Vic. Ventilating mines .. .. .	9857	2 Sept.
Schmidt, A. P., Woodlands, Southland, N.Z. Milk-can lid .. .. .	9996	28 Sept.
Schmidt, J. L., and others, Young, N.S.W. Producing and distributing acetylene gas .. .. .	10127	10 Nov.
Schmoll, E., and another, Christchurch, N.Z. Cycle-propelling mechanism .. .. .	9488	1 May.
Schmoll, L., and another, Christchurch, N.Z. Cycle-propelling mechanism .. .. .	9488	1 May.
Schodt, P. G. De. (See under D.)		
Schoenberg, F. H., and others, Wellington, N.Z. Registering votes at elections .. .. .	10233	20 Dec.
Schoenfelder, E. P., and another, Newark, U.S.A. Photographic camera .. .. .	9193	14 Jan.
Scofield, R. J., Manchester, Eng. Locating punctures in tires .. .. .	9211	21 Jan.
Scott, H. J. C., Hawera, N.Z. Carving wood .. .. .	10148	22 Nov.
Scott, J. L., and another, Christchurch, N.Z. Indicating cost of goods sold by lineal measurement .. .. .	9256	4 Feb.
Scott, J. W., Albionville, Queensland. Curing hides .. .. .	9249	4 Feb.
Scott, M., Opawa, N.Z. Cycle propelling gear .. .. .	9241	12 Jan.
Scott, M., Opawa, N.Z. Cycle propelling-gear .. .. .	9242	12 Jan.
Scott, M., Rangiora, N.Z. Water-filter .. .. .	9332	5 March.
Scott, M., Opawa, N.Z. Cycle driving-gear .. .. .	9562	21 May.
Scott, M., Opawa, N.Z. Cycle driving-gear .. .. .	9594	2 June.
Scott, M., Opawa, N.Z. Double-seated bicycle .. .. .	10211	11 Dec.
Scott, R. M., and another, Sydney, N.S.W. Breaking up submarine rocks .. .. .	10116	11 Nov.
Scully, W. R., Christchurch, N.Z. Lasting-pliers .. .. .	9438	9 April.
Scully, W. R., Christchurch, N.Z. Boot-last .. .. .	9829	24 Aug.
Searle, C., and another, Bridgewater, Tasmania. Match-box holder .. .. .	10088	4 Nov.
Seelye, J. C., Wellington, N.Z. Churn .. .. .	9934	27 Sept.
Sellenger, W. R., Geelong, Vic. (See S. M. Smith, No. 9363.)		
Seymour, J. G., and another, Melbourne, Vic. Burner for oil-stoves. (B. A. Hjorth) .. .. .	9579	31 May.
Shailer, G. W., Wellington, N.Z. Mail-bag fastener .. .. .	9216	21 Jan.
Shannessy, J. J., Newcastle-on-Tyne, Eng. Closing punctures in tires. (T. D. Bell) .. .. .	9253	5 Feb.
Sharples, P. M., West Chester, U.S.A. Separating liquids. (H. McCornack.) .. .. .	9602	10 June.
Sharpneck, W. S., Chicago, U.S.A. Cycle-propelling mechanism .. .. .	9625	19 June.
Shedlock, J. J., London, Eng. (See Mudros Syndicate, Limited, No. 9767.)		
Shenstone, J. N., and another, Toronto, Canada. Tire .. .. .	10137	18 Nov.
Shepard, G. B., Ogdensburg, U.S.A. Rotary machine .. .. .	9739	2 Aug.
Shepherd, J., Invercargill, N.Z. Hauling-block .. .. .	9838	26 Aug.
Shepherd, J., and another, Invercargill, N.Z. Smoke-consumer and spark-catcher .. .. .	9940	24 Sept.
Sheppard, F. J., Palmerston North. Milk-pail .. .. .	9913	18 Sept.
Sheppard, F. J., Palmerston North, N.Z. Vessel for boiling milk .. .. .	9914	18 Sept.
Sheppard, H. A. D., and others, Melbourne, Vic. Puncture-resisting shield for pneumatic tire .. .. .	9325	4 March.
Sheppard, J. M., and others, Auckland, N.Z. Sauce .. .. .	9428	27 March.
Sherriff, D., Christchurch, N.Z. Windmill .. .. .	10205	8 Dec.
Sherrin, H. H., and another, Ramsgate, Eng. Secondary battery .. .. .	9785	13 Aug.
Sherrin, Vaughan. (See under V.)		
Sicklemore, S., Launceston, Tasmania. Doorstep-whitener .. .. .	9757	6 Aug.
Simeon, H. R., Gisborne, N.Z. Mixture for cure of piles .. .. .	10142	17 Nov.
Simes, H. W., Wellington, N.Z. Motor .. .. .	9868	6 Sept.
Simmons, J. P., San Francisco, U.S.A. Hydraulic giant .. .. .	9843	1 Sept.
Simpson, A. H., Invercargill, N.Z. Wash-boiler .. .. .	9683	12 July.
Skeates, W., Auckland, N.Z. Igniting blasting material .. .. .	10206	7 Dec.
Skeet, R. C., and another, Oamaru, N.Z. Extracting gold .. .. .	9648	30 June.
Skeet, R. C., and another, Oamaru, N.Z. Extracting gold .. .. .	9763	9 Aug.
Skeet, R. C., and another, Oamaru, N.Z. Bicycle driving-gear .. .. .	10042	18 Oct.
Skelton, F. O., Taradale, N.Z. Shaft-tug for vehicle .. .. .	9356	16 March.
Smaill, J., Christchurch, N.Z. Windmill .. .. .	9960	4 Oct.
Smale, B., and another, Featherston, N.Z. Bicycle mud-guard .. .. .	9831	26 Aug.
Smart, J. M., Melbourne, Vic. Preserving perishable substances. (A. T. Perkins) .. .. .	9464	22 April.
Smart, J. M., Melbourne, Vic. Preserving perishable substances. (A. T. Perkins) .. .. .	9465	22 April.
Smart, T., Hawera, N.Z. Window-ventilator .. .. .	10001	16 Oct.
Smellie, P., and another, Dunedin, N.Z. Measuring-apparatus for liquids .. .. .	9635	25 June.
Smethurst, E., Christchurch, N.Z. Cover for cooking-utensil .. .. .	9523	13 May.
Smith, A., Christchurch, N.Z. Measuring and cost-indicating machine .. .. .	9183	9 Jan.
Smith, A., Invercargill, N.Z. Carrying eggs, fruit, &c. .. .. .	9958	13 Sept.
Smith, A., and another, Christchurch, N.Z. Indicating cost of goods sold by lineal measurement .. .. .	9256	4 Feb.
Smith, C., Casterton, Vic. Office-indicator .. .. .	9876	9 Sept.
Smith, C. B., and another, Dunedin, N.Z. Holder for invoice-forms, &c. .. .. .	9454	21 April.
Smith, D. E., and another, Christchurch, N.Z. Attachment to lasting-pliers .. .. .	9295	16 Feb.
Smith, D. E., and another, Christchurch, N.Z. Lasting-pliers .. .. .	9687	15 July.
Smith, F. W., Christchurch, N.Z. Wire-mattress .. .. .	9296	23 Feb.
Smith, G. F., Sydney, N.S.W. Extracting metals .. .. .	9578	31 May.
Smith, H. T., and another, Dunedin, N.Z. Two-wheeled vehicle or gig .. .. .	9505	21 April.
Smith, J. R., Bluff, N.Z. Fish-cleaning apparatus .. .. .	10198	6 Dec.
Smith, P., Wellington, N.Z. Saddle-cloth .. .. .	10143	19 Nov.
Smith, S., Christchurch, N.Z. Heel for boot or shoe .. .. .	9173	4 Jan.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS FOR THE YEAR 1897—*continued.*

Name, Residence, and Invention.	No.	Date.
Smith, S. M., Geelong, Vic. Tire. (W. R. Sellenger)	9363	18 March.
Smith, T. B., and another, Christchurch, N.Z. Bicycle handle-bar	9427	6 April.
Smith, W. A., Dunedin, N.Z. Garment	9223	25 Jan.
Smythe, J., Fendalton, Canterbury, N.Z. Marking carcasses	9580	31 May.
Snell, J. T., and another, Adelaide, S.A. Composition for pneumatic tires	9672	12 July.
Société Anonyme de Traitement de l'or Combiné (Procédé Body), Brussels, Belgium. Treating ores. (M. Body)	9686	16 July.
Sontgen, F., Westport, N.Z. Stocking. (W. M. McLeod)	9349	25 Feb.
Soper, F. C., Chicago, U.S.A. (See J. M. Ewen, No. 10007.)		
Soper, F. C., Chicago, U.S.A. (See J. M. Ewen, No. 10009.)		
Speight, B., Kirwee, N.Z. Cycle gear	9258	8 Feb.
Spencer, R., San Francisco, U.S.A. Window-screen	9873	8 Sept.
Sprey, E., Dunedin, N.Z. Means for recording promise of marriage	9762	22 April.
Sprey, E., Dunedin, N.Z. Supplying air to mines	10029	18 Oct.
Squier, G. O., and another, Virginia, U.S.A. Controlling electric currents	9541	19 May.
Squire, M. M., Westacombe, Canterbury, N.Z. Cure for toothache	10193	6 Dec.
Stairmand, H., and another, Napier, N.Z. Water-closet	9909	15 Sept.
Standfield, E. R., and another, Christchurch, N.Z. Support for bicycle	9375	22 March.
Standfield, E. R., and another, Christchurch, N.Z. Trousers-guard for cyclist	9607	11 June.
Stanley, J. C. W., London, Eng. (See the Fish-oil and Guano Syndicate, Limited, No. 9970.)		
Stavelly, R., Wycheproof, Vic. Tire	9278	17 Feb.
Steel, F. H., and another, Ashburton, N.Z. Seat-fastener for gig	9995	15 Oct.
Steel, H. R., and another, Ashburton, N.Z. Seat-fastener for gig	9995	15 Oct.
Steelotile Manufacturing Company (Limited), London, Eng. Substitute for tiles. (A. Roberts)	10181	3 Dec.
Steenon, W. H., Oamaru, N.Z. Bicycle hand-gear	10191	2 Dec.
Stephen, F. S., and another, Melbourne, Vic. Time-table for railways, &c.	9833	27 Aug.
Stephens, D. G., and others, Auckland, N.Z. Sauce	9428	27 March.
Stephenson, A. A., Sydney, N.S.W. Manufacturing inflammable gas	9856	2 Sept.
Stephenson, E. N., Boston, U.S.A. Mattress-stuffing machine	9416	8 April.
Stevenson, W., Dunedin, N.Z. Soldering tins	9450	20 April.
Stewart, E. J., London, Eng. Dyeing	9841	31 Aug.
Still, W. M., and another, London, Eng. Gas-lamp	9596	5 June.
St. John, F., Nelson, N.Z. Bicycle saddle-attachment	9490	29 April.
Storrier, J., Timaru, N.Z. Field-roller	10047	8 Oct.
Strang, P., Charters Towers, Queensland. Manufacturing zinc-shavings	9879	9 Sept.
Streatfeild, F. W., London, Eng. Extracting metals	9496	6 May.
Street, F., Ruatangata, N.Z. Hinge for gate or door	9189	1 Dec. '96.
Strong, R. F., London, Eng. Treating minerals for smelting	9922	23 Sept.
Strouse, D. B., Salem, U.S.A. (See the American Tobacco Company of New Zealand, Limited, No. 9337.)		
Struwe, Von. (See under V.)		
Sturgess, G. W., Sydenham, N.Z. Connecting pump to cask	10139	15 Nov.
Sully, W., London, Eng. Ore-roasting furnace	9280	17 Feb.
Summerton, T., jun., and another, Christchurch, N.Z. Lever-attachment to pliers	9426	5 April.
Sutton, O. L., jun., Dunedin, N.Z. Fencing-standard	9899	11 Sept.
Swallow, J. C., Wellington, N.Z. Relief-colour stamping- or embossing-press	10092	4 Nov.
Swan, J., and another, Dunedin, N.Z. Gas- or oil-engine	9451	9 April.
Swift, J., Goulburn, Vic. Bicycle-support	9845	1 Sept.
Syme, G., Wellington, N.Z. Sash-fastener	9759	6 Aug.
Symes, H., Alexandra South, N.Z. Velocipede-driving mechanism	9222	19 Feb.
Symes, H., Alexandra South, N.Z. Propelling vehicles	9413	7 April.
Symes, H., Dunedin, N.Z. Mirror for use on bicycle	9355	16 March.
Taillefer, F., San Sebastian, Spain. Preserving meat, &c.	9656	1 July.
Tait, A. L. J., Caversham, N.Z. Protecting candle-sticks from grease	9506	7 May.
Tait, A. L. J., Caversham, N.Z. Clothes-peg	9681	10 July.
Tait, A. L. J., Dunedin, N.Z. Wash-board	9806	17 Aug.
Tait, A. L. J., Dunedin, N.Z. Baking-tin	10077	1 Nov.
Tarrant, H., Melbourne, Vic. Explosion-motor	9852	2 Sept.
Tatham, A. F. S., London, Eng. Ball-bearings	9382	26 March.
Tatham, G., and others, Sydney, N.S.W. Manufacture of inflammable gas	10160	25 Nov.
Taylor, A., Fairfax, N.Z. Spanner	9392	29 March.
Taylor, A., Fairfax, N.Z. Spanner	9440	12 April.
Taylor, J., Tomago, N.S.W. Holder for cigar, &c.	9990	14 Oct.
Taylor, J. W., and another, Otakeho, N.Z. Composition for covering steam-pipes, boilers, &c.	10215	15 Dec.
Taylor, L. R., Newton Abbot, Eng. Bobbin or reel for cotton, &c.	9385	27 March.
Telfer, A. H., and another, Gore, N.Z. Double door	9176	7 Jan.
Templer, F., and others, Adelaide, S.A. Boot- or shoe-protector	9965	7 Oct.
Textile-cleaning Company (Limited), The, Nottingham, Eng. Degreasing wool, &c. (F. N. Turney)	9709	22 July.
Theobald, W. C. T., Christchurch, N.Z. Horse-collar	9190	11 Jan.
Thomas, J., Sydney, N.S.W. Bicycle-brake	9170	5 Jan.
Thomas, T. C. J., and another, London, Eng. Gas-lamp	9596	5 June.
Thomas, W., Woodville, N.Z. Feed- and dust-stopper for stamper battery	9724	19 July.
Thompson, C. H., Teignmouth, England. Manufacturing fertilising materials	9495	6 May.
Thompson, H., New Brighton, N.Z. Cycle-gear	9364	16 Jan.
Thompson, H., Christchurch, N.Z. Nail	9436	8 April.
Thompson, H., Christchurch, N.Z. Attaching rider's feet to pedals of cycles	9861	2 Sept.
Thompson, H., and others, Christchurch, N.Z. Vamping-device	9807	18 Aug.
Thompson, R., and others, Christchurch, N.Z. Vamping-device	9807	18 Aug.
Thompson, R. H., and others, Christchurch, N.Z. Vamping-device	9807	18 Aug.
Thompson, T., Coolgardie, W.A. Stamper-box	9662	3 July.
Thompson, W. E., and others, Christchurch, N.Z. Vamping-device	9807	18 Aug.
Thompson, W. J., West Kogarah, N.S.W. Bicycle driving-gear	10203	9 Dec.
Thomson, A., and another, Dunedin, N.Z. Life-saving jacket	9532	18 May.
Thomson, G. L., Otahuhu, Auckland, N.Z. Covering stacks of grain, &c.	10128	8 Nov.
Thomson, J. C., and another, Dunedin, N.Z. Butter-worker	9842	31 Aug.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS FOR THE YEAR 1897—*continued.*

Name, Residence, and Invention.	No.	Date.
Thomson, T. C., Christchurch, N.Z. Banjo .. .. .	9626	18 June.
Thornton, W. A., and another, Wetherby, York, Eng. Generating acetylene gas .. .. .	10158	25 Nov.
Throckmorton, C., Singleton, N.S.W. Burner for oil-lamp .. .. .	9956	2 Oct.
Thunderbolt, E., Carlton, Vic. Governor .. .. .	10157	25 Nov.
Toogood, W., Featherston, N.Z. Fibre-cleaner .. .. .	9188	12 Jan.
Toogood, W., Featherston, N.Z. Fibre-cleaner .. .. .	9832	27 Aug.
Toogood, W., and another, Featherston, N.Z. Bicycle mud-guard .. .. .	9831	26 Aug.
Toomey, J. M., and others, Young, N.S.W. Producing and distributing acetylene gas .. .. .	10127	10 Nov.
Townshend, N., Maitauro, N.Z. Implement for thinning turnips .. .. .	9239	10 Dec. '96.
Tree, E. B., and another, Woodstock, Canada. Rotary engine .. .. .	9595	18 Aug.
Tregurtha, T., Ballarat, Vic. Lift-pump .. .. .	9712	22 July.
Treloar, H. W., Maldon, Vic. Roller-mill for crushing ores, &c. .. .. .	10096	4 Nov.
Tremearne, J., Creswick, Vic. Desk attachable to chair, &c. .. .. .	9470	26 April.
Trench, J. T., Kenmare, Ireland. Tire .. .. .	9164	4 Jan.
Trendall, E. A., Auckland, N.Z. Cycle-gear .. .. .	9250	28 Jan.
Tripe, J. D., Wanganui, N.Z. Bicycle-brake .. .. .	10098	1 Nov.
Trist, C. A. E., Christchurch, N.Z. Horse-cover fastenings .. .. .	9608	11 June.
Trudgeon, W. T., Coromandel, N.Z. Hair-wash .. .. .	9406	6 April.
Turati, V., Milan, Italy. Colour printing-machine .. .. .	9629	24 June.
Turnbull, A. H., Wellington, N.Z. Tobacco-canister .. .. .	9286	19 Feb.
Turnbull, J., Fitzroy, Vic. Furnace for recovering gold from charcoal, &c. .. .. .	10095	4 Nov.
Turner, D. L., Wellington, N.Z. Pneumatic power-accumulator .. .. .	9524	15 May.
Turner, D. L., Wellington, N.Z. Safety releasing-tackle .. .. .	9525	15 May.
Turner, D. L., and another, Wellington, N.Z. Bicycle-brake .. .. .	9867	6 Sept.
Turney, F. N., Nottingham, Eng. (See the Textile-cleaning Company, Limited, No. 9709.)		
Turri, G. G., Melbourne, Vic. Electrical battery. (W. Decker and G. von Struwe) .. .. .	10091	4 Nov.
Tyree, A., and another, Christchurch, N.Z. Attachment to lasting-pliers .. .. .	9295	16 Feb.
Tyree, A., and another, Christchurch, N.Z. Lasting-pliers .. .. .	9687	15 July.
Tyree, W., Wellington, N.Z. Acetylene-gas generator .. .. .	9582	2 June.
Tyree, W., Wellington, N.Z. Acetylene-gas generator .. .. .	9799	16 Aug.
Tyree, W., Wellington, N.Z. Acetylene-gas generator .. .. .	9869	6 Sept.
Tyson, J., Rongahere, Otago, N.Z. Gold-saving and self cloth-washing machine .. .. .	10192	6 Dec.
Ure, J., and another, Melbourne, Vic. Elevator-frame for reaper-and-binder .. .. .	9874	8 Sept.
Vaile, E. B., Auckland, N.Z. Cycle driving-gear .. .. .	9466	15 April.
Vaile, E. B., and another, Auckland, N.Z. Envelope or wrapper .. .. .	9691	17 July.
Vaile, E. B., and another, Auckland, N.Z. Candle-wick .. .. .	9692	17 July.
Vaile, E. B., and another, Auckland, N.Z. Method of indicating presence of a person in a building .. .. .	9715	20 July.
Vaile, E. B., and another, Auckland, N.Z. Wad-mouthpiece for filtering tobacco-smoke .. .. .	9716	20 July.
Vaile, P. A., Auckland, N.Z. Bearings for bicycles, tricycles, &c. .. .. .	9600	5 June.
Vaile, P. A., and another, Auckland, N.Z. Envelope or wrapper .. .. .	9691	17 July.
Vaile, P. A., and another, Auckland, N.Z. Candle-wick .. .. .	9692	17 July.
Vaile, P. A., and another, Auckland, N.Z. Method of indicating presence of a person in a building .. .. .	9715	20 July.
Vaile, P. A., and another, Auckland, N.Z. Wad-mouthpiece for filtering tobacco-smoke .. .. .	9716	20 July.
Valentine, C. R., Lee, Kent, Eng. Capsuling food-extracts, &c. .. .. .	9933	27 Sept.
Vallance, H., Wellington, N.Z. Receptacle for washing-blue, dyes, &c. .. .. .	10111	10 Nov.
Van Nooten, J. H. V. H., and another, Melbourne, Vic. Gold-saving machine .. .. .	9246	8 Feb.
Vaughan-Sherrin, J., and another, Ramsgate, Eng. Secondary battery .. .. .	9785	13 Aug.
Vickery, H. J., Tauranga, N.Z. Bracket for erection of galvanised-iron spouting .. .. .	9723	23 July.
Vincent, J. C., and another, Palmerston North, N.Z. Changing courses of rivers .. .. .	10033	21 Oct.
Von Gehlen, P. W., Ploen, Germany. Producing benzine-gas .. .. .	9619	18 June.
Von Struwe, G., and another, Mittweida, Germany. (See G. G. Turri, No. 10091.)		
Wade, J. W., Gisborne, N.Z. Rose for watering-pot .. .. .	10163	26 Nov.
Wah, Y., Orepuki, N.Z. Nozzle-fastener .. .. .	9915	17 Sept.
Wakefield, C. C., Streatham, Eng. Sight feed-lubricator .. .. .	9641	30 June.
Walker, E., and another, Christchurch, N.Z. Composition for railway-sleepers .. .. .	9235	23 Jan.
Walker, R., and another, Camberwell, Vic. Amalgamator .. .. .	9169	5 Jan.
Wallace, J. A., and another, Melbourne, Vic. Mining-pump .. .. .	9745	2 Aug.
Wallace, J. A., and another, Melbourne, Vic. Centrifugal pump .. .. .	10165	26 Nov.
Waller, W. A. C., London, Eng. Tile .. .. .	9558	22 May.
Walmsley, B., and another, Bolton, Eng. Support for gas-burner .. .. .	10138	13 Nov.
Walsh, J. D., Dunedin, N.Z. Wire-strainer .. .. .	9587	4 June.
Walsh, J. D., Dunedin, N.Z. Wire-strainer .. .. .	9756	6 Aug.
Walters, W. B., Wellington, R.Z. Spiral-ripple for gold-saving .. .. .	9732	29 July.
Walton, F., London, Eng. Manufacturing mosaic floorcloth .. .. .	9351	12 March.
Ward, G., and another, Melbourne, Vic. Shirt-collar attachment .. .. .	9204	19 Jan.
Warry, J. J., Birkenhead, Eng. Tire .. .. .	9194	14 Jan.
Waters, E., Melbourne, Vic. Preventing accumulation of sand in harbours, &c. (P. O'Meara) .. .. .	9323	4 March.
Waters, E., Melbourne, Vic. Melting iron. (T. Doherty and P. D. Crerar) .. .. .	9549	19 May.
Waterworth, T., Napier, N.Z. Manufacturing asphalt .. .. .	9380	26 March.
Waterworth, T., Napier, N.Z. Sewer-trap .. .. .	9645	30 June.
Watson, G. A., and another, Invercargill, N.Z. Milk-strainer .. .. .	10066	27 Oct.
Watson, H. C. M., Christchurch, N.Z. Telephone-dial switch .. .. .	9680	23 June.
Watson, J., and another, Invercargill, N.Z. Milk-strainer .. .. .	10066	27 Oct.
Watt, J., and another, Balclutha, Otago, N.Z. Generating hydro-carbon or water-gas .. .. .	9449	20 April.
Watt, J., and another, Balclutha, Otago, N.Z. Generating hydro-carbon or water-gas .. .. .	9449	20 April.
Way, E. J., Johannesburg, South Africa. Cam and cam-shaft for stamp-mills .. .. .	9208	20 Jan.
Way, E. J., Johannesburg, South Africa. Cam and cam-shaft for stamp-mills .. .. .	10056	27 Oct.
Way, E. J., and others, Johannesburg, South Africa. Rock-drill .. .. .	9245	3 Feb.
Way, H. F., Thames, N.Z. Respirator for use in dry crushing, &c. .. .. .	9968	30 Aug.
Weatherall, H., Dunedin, N.Z. Destroying rabbits .. .. .	10216	15 Dec.
Weaver, A. S., and another, Hamilton, Canada. Bicycle .. .. .	9291	23 Feb.
Weber, M., Adelaide, S.A. Stamper battery .. .. .	9458	22 April.
Webster, H. L., Klerksdorp, South Africa. (See G. G. M. Hardingham, No. 9314.)		
Webster, H. L., Klerksdorp, South Africa. Diamond core-drill .. .. .	9792	14 Aug.
Wedenby, C. S., Wellington, N.Z. Breakwater .. .. .	9682	15 July.
Wedler, A. H. W., Adelaide, S.A. Hose-union and -coupling .. .. .	9943	30 Sept.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS FOR THE YEAR 1897—*continued.*

Name, Residence, and Invention.	No.	Date.
Wedler, A. H. W., Adelaide, S.A. Shower-bath .. .. .	9944	30 Sept.
Weeks, H. J., Christchurch, N.Z. Order-tablet for housekeepers .. .. .	10002	15 Oct.
Welch, C. K., Coventry, Eng. Air-valve for pneumatic tire .. .. .	9210	21 Jan.
Welch, C. K., Coventry, Eng. Wheel .. .. .	9893	10 Sept.
Welch, H. F., and another, Charleston, U.S.A. Electrolytic apparatus .. .. .	10178	3 Dec.
Welsh, J., Newcastle, N.S.W. Cycle-driving mechanism. (J. Dredge) .. .. .	9212	21 Jan.
Wesley, C., Reefton, N.Z. Saving gold .. .. .	9259	8 Feb.
Wesselmann, B., Gottingen, Germany. Drilling- or boring-tool .. .. .	9571	28 May.
Wessels, E. J., and another, New York, U.S.A. Air-compressor for vehicle-brake .. .. .	9652	1 July.
Westbury, H. V., Wellington, N.Z. Cyclists' home-trainer .. .. .	9589	4 June.
Weston, C. W., and another, New York, U.S.A. Sewing-machine .. .. .	9312	1 March.
Weston, G., and another, Christchurch, N.Z. Corset-jacket .. .. .	9721	26 July.
Westwood, F., and others, Birmingham, Eng. Joints for cycle-frame .. .. .	10242	23 Dec.
Wethered, E. R., Lee, Kent, England. Controlling horses without bit or curb .. .. .	9676	12 July.
Weymouth, G. A. P., and another, Melbourne, Vic. Coin-operated telephone-instrument .. .. .	10250	24 Dec.
White, C. S., and another, Christchurch, N.Z. Treating flax .. .. .	9174	5 Jan.
White, C. S., and another, Christchurch, N.Z. Utilising tow from flax-mills .. .. .	9340	22 Feb.
White C. S., and another, Christchurch, N.Z. Treating flax .. .. .	10169	3 Dec.
White, T., Rangiora, N.Z. Barrow-wheel .. .. .	9815	13 Aug.
White, T. E., and another, Trangie, N.S.W. Cycle driving-gear .. .. .	9463	22 April.
Whitelaw, A. A., and another, Wellington, N.Z. Billiard-cue tip-fastening .. .. .	10237	22 Dec.
Whitelaw, J., and another, Wellington, N.Z. Billiard-cue tip-fastening .. .. .	10237	22 Dec.
Whittle, T., Boston, Eng. Locomotive-engine .. .. .	9694	17 July.
Whyte, D. M., Sydney, N.S.W. Postal letter-box .. .. .	10173	1 Dec.
Whyte, J., and another, Melbourne, Vic. Time-table for railways, &c. .. .. .	9833	27 Aug.
Wichmann, C., London, Eng. Extracting gold .. .. .	9835	6 March.
Wicks, F., Esher, Surrey, Eng. Type-founding apparatus .. .. .	9855	2 Sept.
Wight, F., Akaroa, N.Z. Lawn-tennis scoring-machine .. .. .	9248	1 Feb.
Wight, F., Christchurch, N.Z. Non-refillable bottle .. .. .	9499	5 May.
Wigzell, E. E., London, Eng. Steam-boiler .. .. .	9423	8 April.
Wilbey, E. M., and another, Dunedin, N.Z. Holder for invoice-forms, &c. .. .. .	9454	21 April.
Wilfley, A. R., Denver, U.S.A. Concentrator .. .. .	10101	5 Nov.
Wilks, G., Feilding, N.Z. Insecticide-dressing for fruit-trees .. .. .	9206	20 Jan.
Williams, J. D., and another, Creswick, Vic. Controlling gases in mines .. .. .	9401	1 April.
Williams, W. F., London, Eng. Bicycle .. .. .	9689	14 July.
Williams, W. F., London, Eng. Cycle driving-gear .. .. .	9690	14 July.
Wilson, A. E., and another, Christchurch, N.Z. Horse-collar .. .. .	10086	2 Nov.
Wilson, F. P., and others, Pahiatua, N.Z. Increasing power of bicycle-crank .. .. .	10081	2 Nov.
Wilson, G. R., Dunedin, N.Z. Sash-fastener .. .. .	10078	1 Nov.
Wilson, G. R., Dunedin, N.Z. Velocipede driving gear .. .. .	10184	4 Dec.
Wilson, H., and another, Christchurch, N.Z. Split-pulley .. .. .	10210	10 Dec.
Wilson, H., and others, Mangatainoka, N.Z. Increasing power of bicycle-crank .. .. .	10081	2 Nov.
Wilson, H. L., and others, Mangatainoka, N.Z. Increasing power of bicycle-crank .. .. .	10081	2 Nov.
Wilson, J., and others, Fitzroy, Vic. Amalgamator and concentrator .. .. .	9299	25 Feb.
Wilson, W. G., Christchurch, N.Z. Life-belt .. .. .	10239	21 Dec.
Wilson, W. J., Sydney, N.S.W. Cleanser .. .. .	9772	11 Aug.
Winch, P. J., and another, Adelaide, S.A. Composition for pneumatic tires .. .. .	9672	12 July.
Winkelmann, H., Auckland, N.Z. Umbrella .. .. .	9819	20 Aug.
Winslow, W. H., Chicago, U.S.A. (See J. M. Ewen, No. 10010.)		
Winslow, W. H., Chicago, U.S.A. (See J. M. Ewen, No. 10012.)		
Winslow, W. H., Chicago, U.S.A. (See J. M. Ewen, No. 10013.)		
Winslow, W. H., and another, Chicago, U.S.A. (See J. M. Ewen, No. 10014.)		
Winslow, W. H., Chicago, U.S.A. (See J. M. Ewen, No. 10015.)		
Winslow, W. H., and another, Chicago, U.S.A. (See J. M. Ewen, No. 10011.)		
Wireless-telegraph and Signal Company (Limited), The, London, Eng. Transmitting electrical impulses and signals. (G. Marconi)	9925	21 Sept.
Wishart, D., Dunedin, N.Z. Preparing wool for scouring .. .. .	9270	2 Feb.
Withey, H., Hastings, U.S.A. (See A. H. Brownley, No. 9405.)		
Wolf, De. (See under D.)		
Wood, A., and others, Glasgow, Scotland. Honeycombing-attachment for sewing-machine .. .. .	10221	17 Dec.
Wood, F. H., and another, Greytown, N.Z. Composition for coating butter-boxes .. .. .	9186	11 Jan.
Wood, F. H., and another, Greytown, N.Z. Enamel for lining butter-boxes .. .. .	9610	14 June.
Wood, H. J., Christchurch, N.Z. Label-attaching device .. .. .	9735	30 July.
Wood, H. J., Christchurch, N.Z. Dial for weight and cost-indicating sales .. .. .	9808	18 Aug.
Wood, J., and another, Essex, Eng. Crushing and grading ore, &c. .. .. .	9695	17 July.
Wood and Claydon, Automatic Stoker, Coal-crusher, Self-feeder, and Smoke-consumer Company (Limited), The, Christchurch, N.Z. Stoking, smoke-consuming, and fuel-economizing apparatus for steam-boilers. (G. Claydon)	9182	8 Jan.
Woodcock, W., Oamaru, N.Z. Automatic finger for removing labels from damping-machine .. .. .	9284	17 Feb.
Woodhouse, J. S., Papanui, N.Z. Stopper for bottles .. .. .	9860	1 Sept.
Worland, R., Warrnambool, Vic. Milk-transit can .. .. .	10040	21 Oct.
Worsley, F. S., Charlton, Eng. (See the British Blahnik Arc Light Company, Limited, No. 10243.)		
Wren, E. J., and another, Invercargill, N.Z. Perambulator-brake .. .. .	9573	25 May.
Wren, J., and another, Invercargill, N.Z. Perambulator-brake .. .. .	9573	25 May.
Wright, G. E., and another, Nottingham, Eng. Degreasing leather .. .. .	9417	8 April.
Wrigley, F. H., Wellington, N.Z. Lever-mechanism for lifting-jacks, &c. .. .. .	9225	25 Jan.
Wyatt, H., Christchurch, N.Z. Window-fastener .. .. .	10144	18 Nov.
Wynn, J., Cardiff, Wales. Controlling supply of gas to stove .. .. .	10140	3 Dec.
Yates, F. S., Masterton, N.Z. Puzzle .. .. .	9369	22 March.
Young, P. C. K., Lawrence, Otago, N.Z. Varying length of tread on bicycle-crank .. .. .	10105	5 Nov.
Young Wah. (See under W.)		
Zajonskowski, J., and another, Marton, N.Z. Wool-press .. .. .	10113	11 Nov.
Zajonskowski, J. L., and another, Marton, N.Z. Wool-press .. .. .	10113	11 Nov.
Zander, H., and another, Ashburton, N.Z. Cycle-propelling mechanism .. .. .	9720	23 July.
Zander, H., and another, Ashburton, N.Z. Extension-rod for bicycle-crank .. .. .	9781	27 July.
Zerener, M. B., London, Eng. Precipitating metals from cyanide solutions .. .. .	9195	14 Jan.
Ziele, C. W., Dunedin, N.Z. Pocket-knife .. .. .	9200	12 Jan.

K.—ALPHABETICAL LIST OF TITLES OF INVENTIONS FOR WHICH LETTERS PATENT HAVE BEEN APPLIED DURING THE YEAR 1897.

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

Invention and Name of Inventor.	No.	Date.
Acetylene gas, Apparatus for generating. C. A. Finch and H. J. Buchan ..	10252	29 Dec.
Acetylene gas, Apparatus for producing, storing, and utilising. T. Holliday ..	9308	27 Feb.
Acetylene gas, Apparatus for the generation of. J. W. Scarth and W. A. Thornton ..	10158	25 Nov.
Acetylene-gas generator. F. H. Haviland and W. H. Murch ..	9455	22 April.
Acetylene-gas generator. W. Tyree ..	9582	2 June.
Acetylene-gas generator. W. Tyree ..	9799	16 Aug.
Acetylene-gas generator. W. Tyree ..	9869	6 Sept.
Acetylene-gas generator. W. Tyree ..	9951	15 Sept.
Acetylene gas, Method of and apparatus for generating. M. C. A. Fourchette ..	9418	8 April.
Acetylene gas, Method of and apparatus for producing and distributing. J. L. Schmidt, H. Caspers, and J. M. Twomey	10127	10 Nov.
Acetylene or other gas burner. E. F. Green ..	9655	1 July.
Acid, Obtaining sulphurous. T. Huntington and F. Heberlein ..	9421	8 April.
Advertising medium. S. F. and B. F. Griffin ..	9278	15 Feb.
Advertising medium. F. Adams ..	9590	3 June.
Advertising medium in form of tricycle. R. E. Saville ..	9400	24 March.
Aerated drinks, Tablets for production of carbonated. A. Dolton ..	9279	17 Feb.
Aerated-water bottles, Appliance for opening. J. R. Purdy ..	9181	9 Jan.
Aerated waters and mixing same with syrup, Method of and apparatus for drawing. A. Brake, J. R. McKee, and B. Joyce	9569	27 May.
Aerated waters, Method of and apparatus for drawing and mixing with syrups. A. Brake ..	9238	30 Jan.
Aerating and sterilising beer, Apparatus for. W. J. Glennon and A. Y. Oastler ..	9646	30 June.
Aerial, marine-, and land-navigation boat combined. E. L. Clark ..	9962	30 Sept.
Agitating- and settling-vat. P. Ferguson ..	10024	15 Oct.
Air-compressor for vehicle-brake. E. J. Wessels and H. P. Merriam ..	9652	1 July.
Air-engine. L. T. Gibbs ..	9583	3 June.
Air in mines to control gases, Method and apparatus for treating. J. D. Williams and L. D. Gibson	9401	1 April.
Air-pump. (See Pump.)		
Air to mines, &c., Means of supplying. E. Sprey ..	10029	18 Oct.
Air-valve for pneumatic tire. C. K. Welch ..	9210	21 Jan.
Alarm, Fire. H. Hedge ..	10154	23 Nov.
Alarm, Railway-crossing electric. J. Ferguson ..	10097	2 Nov.
Alcohol, Process and apparatus for extracting. A. Collette, jun., and A. Boidin ..	10164	26 Nov.
Alimentary extract. E. C. L. Kressel and T. Hill-Jones ..	9971	8 Oct.
Amalgam, gold or quicksilver, Apparatus for saving. P. Johnstone and W. Bush ..	9835	23 Aug.
Amalgamating and extracting gold from ore, Apparatus and process for. E. L. Oppermann ..	9328	5 March.
Amalgamating-pan. E. H. T. Plant and S. Dellow ..	9711	22 July.
Amalgamator. H. Jones and R. Walker ..	9169	5 Jan.
Amalgamator. H. S. Cope ..	9546	19 May.
Amalgamator. E. Lloyd-Owen ..	9773	11 Aug.
Amalgamator and concentrator. A. Menesdorffer, R. W. Jolly, and J. Wilson ..	9299	25 Feb.
Amalgamator and separator. C. L. Garland, and J. and S. E. Murray ..	9632	24 June.
Amalgamator, electrolytic. P. Ferguson ..	10021	15 Oct.
Amalgamator. (See also Concentrator, Gold, Metals, Ores.)		
Annealing iron and steel castings. P. D. Murphy. ..	9321	1 March.
Antidote for blood-poisoning. F. V. Ross. ..	9823	16 Aug.
Arc-lamp, Electric. The British Blahnik Arc Light Company (Limited) ..	9539	19 May.
Arc-lamp, Electric. The British Blahnik Arc Light Company (Limited) ..	10243	23 Dec.
Arch for promoting combustion in locomotive-furnace. A. F. Hack ..	10199	9 Dec.
Arm-chair, Folding. B. F. Griffin and H. G. Lever ..	10075	1 Nov.
Artesian-well pipes, Shoe for bottom of. J. Osborne ..	9897	8 Sept.
Asphalt and recovering by-products of tar, Process of manufacturing. T. Waterworth	9380	26 March.
Auger, Tubular. J. Murray ..	9494	4 May.
Auriferous wash-dirt or sand, Screening. W. Morton ..	9592	31 May.
Auriferous wash-dirt, Screen for. W. Morton ..	10112	8 Nov.
Automatic engine. T. W. May ..	9928	23 Sept.
Auto-vehicles. (See Motors, Vehicles.)		
Awner of grain- or seed-machine, Frictional surface for lining. G. Preddy ..	9172	5 Jan.
Axle and box for disc-coulters, plough-wheels, &c. J. Cockerell and R. H. Harper ..	9545	19 May.
Axle and wheel. W. E. Hughes ..	9790	13 Aug.
Axle-box for plough-wheels, &c. W. Jolly ..	9584	3 June.
Axle-cooling, fire-extinction, &c., Means of employing locomotive or other steam engines for. R. Peasey	9753	5 Aug.
Axle. (See also Vehicle.)		
Bag. (See Mail-bag, Paper bag, Sleeping-bag.)		
Bags and sacks, Device for distending mouths of. G. Aitkens, H. P. H. Graves, and F. B. Farmar	9567	26 May.
Bags or sacks, Appliance for distending mouths of. H. Graves and G. Aitkens ..	9517	12 May.
Baking-tin. A. L. J. Tait ..	10077	1 Nov.
Baking-tin. W. C. Campbell ..	10043	20 Oct.
Balance for undercarriages of vehicles, Bearings and ends for. D. Murphy, W. McManus, A. R. Harris, and G. W. Basley	9664	3 July.
Balance for vehicles, Cross-arms. D. Murphy, W. McManus, A. R. Harris, and G. W. Basley ..	9557	18 May.
Balance-lever for equalising weight in carts and other vehicles. T. Goodwin ..	10000	9 Oct.
Ball-bearing plough-wheel. G. Bristow ..	9755	3 Aug.
Ball-bearings. P. Davies ..	9292	23 Feb.
Ball-bearings. A. F. S. Tatham ..	9382	26 March.
Balloting. (See Voting.)		
Banjo. T. C. Thomson ..	9626	18 June.
Banks of rivers, Conserving. J. C. Vincent and R. Cobb ..	10033	21 Oct.
Bar. (See Handle-bar.)		
Barbed wire. S. Reading ..	9908	15 Sept.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention and Name of Inventor.	No.	Date.
Barrow-wheel. T. White .. .. .	9815	13 Aug.
Basement lights and lighting. J. M. Ewen .. .. .	10009	19 Oct.
Basements and dark rooms, Devices for lighting. J. M. Ewen .. .. .	9864	4 Sept.
Bas-relief or embossed photographs, Process of producing. I. Faris and F. W. Mason .. .. .	10108	5 Nov.
Bas-relief photographs, Method of producing. C. Nagel .. .. .	9994	14 Oct.
Bas-relief photographs, Process of producing. A. W. Schaeff .. .. .	10156	18 Nov.
Bat handle, Cricket-. W. Brook .. .. .	9307	26 Feb.
Bath-heater. E. J. Douglas .. .. .	9900	13 Sept.
Bath, Shower-. A. H. W. Wedler .. .. .	9944	30 Sept.
Batten for wire fencing, Metal. W. and J. J. Parker. .. .. .	9801	13 Aug.
Batteries, Screen dust-collector for. M. Bate .. .. .	9640	24 June.
Battery for pulverising ore in a dry state, Stamper. M. Weber .. .. .	9458	22 April.
Battery. (See also Electrical battery, Secondary battery, Stamper battery, Stamper-box, Storage-battery.)		
Bearing and hub for vehicles. A. J. Cuming .. .. .	9827	23 Aug.
Bearing, Cycle crank-spindle and. A. J. Cuming .. .. .	9901	10 Sept.
Bearings, Ball-. P. Davies .. .. .	9292	23 Feb.
Bearings, Ball-. A. F. S. Tatham .. .. .	9382	26 March.
Bearings of bicycles, tricycles, &c. P. A. Vaile .. .. .	9600	5 June.
Bearings, Railway-carriage journal-. J. R. Baker .. .. .	9699	19 July.
Bedstead and mattress. J. F. Nunan .. .. .	9743	2 Aug.
Beer, Apparatus for aerating and sterilising. W. J. Glennon and A. Y. Oastler .. .. .	9646	30 June.
Belt, Driving-. A. Drake .. .. .	10136	18 Nov.
Belt-fastener. H. Quartier .. .. .	9733	28 July.
Belt. (See Cyclists' supporting-belt, Figure-reducing belt, Life-belt.)		
Benzine-gas, Apparatus for producing. P. W. von Gehlen .. .. .	9619	18 June.
Beverage. J. E. Ffrost and G. W. Davies .. .. .	10051	26 Oct.
Bicycle. H. Floyd .. .. .	9269	13 Feb.
Bicycle. J. Gaut .. .. .	9425	8 April.
Bicycle. A. W. Babbage .. .. .	9616	17 June.
Bicycle and tricycle interchangeable gearing. A. T. Cavell and C. J. Royds .. .. .	9319	3 March.
Bicycle, Apparatus for operating. J. Maitland .. .. .	9881	9 Sept.
Bicycle, Automatic extension-crank for. H. A. Ladbroke .. .. .	10134	15 Nov.
Bicycle-brake. J. Thomas .. .. .	9170	5 Jan.
Bicycle-brake. J. Hollis .. .. .	9381	26 March.
Bicycle-brake. H. Firth .. .. .	9527	22 April.
Bicycle-brake. P. E. Doolittle .. .. .	9537	19 May.
Bicycle-brake. A. Porter .. .. .	9822	25 Aug.
Bicycle-brake. W. H. Moorhouse and D. L. Turner .. .. .	9867	6 Sept.
Bicycle-brake. G. McDonald .. .. .	10234	20 Dec.
Bicycle-brake and foot-rest. Massey-Harris Company (Limited) .. .. .	9446	14 April.
Bicycle, Brake for. J. D. Tripe .. .. .	10098	1 Nov.
Bicycle, Coasting- and brake-attachment for. W. and J. Butler .. .. .	10189	2 Dec.
Bicycle-crank and hanger. H. S. Grady .. .. .	10109	10 Nov.
Bicycle-crank, Extension-rod for. W. H. Landells and H. Zander .. .. .	9731	27 July.
Bicycle-crank, Increasing power of. H., H. L., and F. P. Wilson .. .. .	10081	2 Nov.
Bicycle-crank, Varying length of tread on. P. C. K. Young .. .. .	10105	5 Nov.
Bicycle, Double-seated. M. Scott .. .. .	10211	11 Dec.
Bicycle driving-chain. C. M. Murison .. .. .	9372	23 Mar.
Bicycle driving-gear. A. L. Heighton and J. H. G. Rowley .. .. .	9227	26 Jan.
Bicycle driving-gear. H. Floyd .. .. .	9269	13 Feb.
Bicycle driving-gear. J. F. Perkins and A. Robins .. .. .	9411	5 April.
Bicycle driving-gear. W. F. Williams .. .. .	9690	14 July.
Bicycle driving-gear. W. H. Norton and J. Robertson .. .. .	9975	6 Oct.
Bicycle driving-gear. J. Robertson .. .. .	9976	6 Oct.
Bicycle driving-gear. R. A. Dexter and J. R. Hare .. .. .	9997	12 Oct.
Bicycle driving-gear. T. C. Dennison and R. C. Skeet .. .. .	10042	18 Oct.
Bicycle driving-gear. W. and J. Butler .. .. .	10188	2 Dec.
Bicycle driving-gear. W. J. Thompson .. .. .	10203	9 Dec.
Bicycle-frame. M. E. Barton .. .. .	9493	3 May.
Bicycle-frame. A. J. Cuming .. .. .	9948	30 Sept.
Bicycle friction-gear. J. F. Perkins and A. Robins .. .. .	9410	5 April.
Bicycle-gear, Chainless. B. Speight .. .. .	9258	8 Feb.
Bicycle, Hand-gear for. W. H. Steenson .. .. .	10191	2 Dec.
Bicycle handle-bar. C. E. T. Gwatkin and T. B. Smith .. .. .	9427	6 April.
Bicycle head-lock. H. E. Lawrence .. .. .	9191	12 Jan.
Bicycle head-lock. H. E. Lawrence .. .. .	9192	12 Jan.
Bicycle head-lock. A. J. Cuming .. .. .	9530	15 May.
Bicycle luggage-carrier. J. Gaut .. .. .	9767	11 Aug.
Bicycle, Mirror for use on. H. Symes .. .. .	9355	16 March.
Bicycle mud-guard. W. Toogood and B. Smale .. .. .	9831	26 Aug.
Bicycle or tricycle driving-gear. E. B. Vaile .. .. .	9466	15 April.
Bicycle or tricycle two-speed gear. T. Read .. .. .	9472	8 April.
Bicycle-pedal. F. M. Drewitt and A. C. Hullett .. .. .	9281	15 Feb.
Bicycle-pedal attachment. F. M. Drewitt and A. C. Hullett .. .. .	9288	3 Feb.
Bicycle propelling-gear. M. Scott .. .. .	9241	12 Jan.
Bicycle propelling-gear. M. Scott .. .. .	9242	12 Jan.
Bicycle-propelling mechanism. W. S. Sharpneck .. .. .	9625	19 June.
Bicycle-saddle attachment, Cradle and rocker. F. St. John .. .. .	9490	29 April.
Bicycle-saddles, Means of supporting. F. C. Esmond .. .. .	9354	13 March.
Bicycle-saddle or -seat. C. S. Drummond .. .. .	9478	28 April.
Bicycle-seat. H. A. Christy .. .. .	9787	13 Aug.
Bicycle-seat support. E. C. Martin .. .. .	9368	18 March.
Bicycle, Sociable. W. F. Williams .. .. .	9689	14 July.
Bicycle speed-altering gear. A. McLeod .. .. .	9359	27 Feb.
Bicycle, Spring-frame. A. J. Cuming .. .. .	9794	14 Aug.



## ALPHABETICAL LIST OF TITLES OF INVENTIONS—continued.

Invention and Name of Inventor.	No.	Date.
Bicycle suitable for a rider, Apparatus for indicating form of. A. J. Cuming .. ..	9851	31 Aug.
Bicycle-support. H. L. Davis .. ..	9370	23 March.
Bicycle-support. E. R. Standfield and T. de R. Harman .. ..	9375	22 March.
Bicycle-support. J. Swift .. ..	9845	1 Sept.
Bicycle-support. J. F. Furley and E. Forsyth .. ..	10035	21 Oct.
Bicycle-tire. (See Tire.)		
Bicycle, Two side-seated. A. S. Weaver and W. J. Goold .. ..	9291	23 Feb.
Bicycles and tricycles, Appliance for cleaning driving-chains of. P. Genn .. ..	9175	23 Dec., '96
Bicycles, tricycles, &c., Bearings of. P. A. Vaile .. ..	9600	5 June.
Bicycles, tricycles, &c., Handle-bar for. P. Clapperton .. ..	9547	19 May.
Bicycles, tricycles, &c., Pedal for. W. H. Boyens and J. F. Best .. ..	9615	17 June.
Bicycle-wheel. E. Hayes .. ..	9374	3 March.
Bicycle-wheel. D. Morgan .. ..	10036	21 Oct.
Bicycle. (See also Brake, Cycle, Driving-gear, Motor, Pedal, Saddle, Seat, Tire, Tricycle, Velocipede, Wheel.)		
Billiard-cue, Tip-fastening for. A. A. and J. Whitelaw .. ..	10237	22 Dec.
Binder. (See Reaper-and-binder.)		
Biscuit- or confectionery-box. G. Aitkens .. ..	9398	31 March.
Bit or curb, Means for controlling and driving horses without. E. R. Wethered .. ..	9676	17 July.
Blasting material, Means of exploding. J. Ritchie .. ..	10155	19 Nov.
Blasting material, Method of igniting. W. Skeates .. ..	10206	7 Dec.
Blasting-powder. W. E. Hughes .. ..	10059	27 Oct.
Blight- and insect-killer, Non-poisonous. G. H. Hicks .. ..	9397	27 March.
Blight-dressing. G. Wilks .. ..	9206	20 Jan.
Blight-exterminator. R. A. C. Kerry .. ..	9980	4 Oct.
Blind head-board and cornice-pole. W. Gee .. ..	9796	13 Aug.
Blind, Venetian. W. M. Green .. ..	9737	2 Aug.
Block, Lifting- or hauling-. J. Shepherd .. ..	9838	26 Aug.
Blood-poisoning antidote. F. V. Ross .. ..	9823	16 Aug.
Blotter and ruler combined. D. E. Blacke .. ..	10133	12 Nov.
Blower, Rotary engine applicable as a. G. G. M. Hardingham .. ..	9314	1 March.
Board. (See Washboard, Weatherboard.)		
Boat, Combined aerial-, marine- or land-navigation. E. L. Clark .. ..	9962	30 Sept.
Boat, Torpedo-. A. J. B. Body .. ..	10254	29 Dec.
Boats and ships, Propeller for. J. A. Belk .. ..	10124	13 Nov.
Boats, Apparatus for working ships'. S. Jickell .. ..	9800	6 Aug.
Bobbin or reel for thread, cotton, &c. L. R. Taylor .. ..	9385	27 March.
Body-support or belt for cyclist. E. Merrillees .. ..	9985	14 Oct.
Boiler. D. MacNair .. ..	9178	7 Jan.
Boiler for kitchen-range, High-pressure. R. E. Green .. ..	10104	4 Nov.
Boiler for use with colonial oven or on open fireplace. G. Gilbert .. ..	10099	8 Oct.
Boiler. (See also Steam-boiler, Washing-boiler, Water-heater.)		
Boilers, -pipes, &c., Composition for covering steam-. J. W. Taylor and J. Mather .. ..	10215	15 Dec.
Boiling milk, Vessel for. F. J. Sheppard .. ..	9914	18 Sept.
Bolts, Means of locking nuts on. A. J. Cuming .. ..	9500	5 May.
Bolts. (See also Nut-locking.)		
Book holder, Check-. R. S. Abel and J. Dykes .. ..	9346	13 March.
Book typewriter. G. C. Elliott and W. P. Hatch .. ..	9890	10 Sept.
Boot- and shoe-nailing machine. F. Lee .. ..	9653	1 July.
Boot-attachment for cutting sods for laying rabbit-poison. C. Johns .. ..	9293	23 Feb.
Bootlace-fastener. E. L. Evens and A. Bonnin .. ..	9298	25 Feb.
Boot or shoe, Heel for. S. Smith .. ..	9173	4 Jan.
Boot or shoe, Heel-tip for. W. Hallett .. ..	9780	10 Aug.
Boot- or shoe-last. W. R. Scull .. ..	9828	24 Aug.
Boot- or shoe-protector. J. W. Hesp, F. Templer, and W. C. Hooper .. ..	9965	7 Oct.
Boot-stretcher, -tree, or -last. W. A. Mercer and D. R. S. Galbraith .. ..	9906	14 Sept.
Boring apparatus. A. Raky .. ..	9628	24 June.
Boring holes in ground for posts, Tool for. D. J. Heenan .. ..	10146	22 Nov.
Boring- or drilling-tool. B. Wesselmann .. ..	9571	28 May.
Bottle. W. J. Pallant .. ..	9352	15 March.
Bottle heater and foot-warmer, Feeding-. M. E., G. W., and H. G. Noy and J. Bennie .. ..	10079	6 Sept.
Bottle. (See also Anti-refilling bottle, Non-refillable bottle.)		
Bottles, Appliance for opening aerated water. J. R. Purdy .. ..	9181	9 Jan.
Bottles, decanters, &c., Machine for cleaning. G. Carrington .. ..	9516	10 May.
Bottles, &c., Means for preventing refilling of, and for verifying genuineness of contents. A. and L. Braly .. ..	9542	19 May.
Bottles, &c., Method of and apparatus for filling. W. J. Glennon and A. Y. Oastler .. ..	9647	30 June.
Bottle, &c., stopper. Andrews Patent Bottle Lock Stopper Syndicate (Limited) .. ..	9294	24 Feb.
Bottles, Stopper for. J. S. Woodhouse .. ..	9860	1 Sept.
Box, Collapsible. G. Aitkens and H. Graves .. ..	9412	7 April.
Box, Collapsible or folding. C. McCallum .. ..	9219	23 Jan.
Box fastener, Butter-. A. Dawes .. ..	9343	11 Feb.
Box, Keyless lever-lock for. T. Johnson and E. E. Kirby .. ..	10072	1 Nov.
Box-making machine, Cutting and printing mechanism for. The American Tobacco Company of New Zealand (Limited) .. ..	9774	11 Aug.
Box, Ventilated. G. P. Pegley .. ..	9247	26 Nov.'96.
Box. (See also Axle-box, Biscuit-box, Butter-box, Folding-box, Match-box, Postal-box, Precipitating-box, Sheet-metal box, Stamper-box.)		
Bracket, Displaying. L. G. Baker .. ..	10213	14 Dec.
Bracket for erection of galvanised-iron spouting. H. J. Vickery .. ..	9723	28 July.
Brake, Air-compressor for vehicle-. E. J. Wessels and H. P. Merriam .. ..	9652	1 July.
Brake- and coasting-attachment for bicycle. W. and J. Butler .. ..	10189	2 Dec.
Brake and foot-rest, Bicycle-. Massey-Harris Company (Limited) .. ..	9446	14 April.
Brake for cages used in shafts, &c. T. B. Jacobsen and H. Rabe .. ..	9927	20 Sept.
Brake-gearing for cycle. L. N. Dyhrberg .. ..	9301	24 Feb.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention and Name of Inventor.	No.	Date.
Brake. (See also Bicycle-brake, Cycle-brake, Perambulator-brake, Vehicle-brake, Velocipede-brake.)		
Brakes, Triple valve for pneumatic railway. A. Kapteyn .. .. .	10220	17 Dec.
Brand. W. G. Clemoe .. .. .	9982	14 Oct.
Brand, Self-feeding. F. R. Linton .. .. .	10228	17 Dec.
Branding boxes, &c., Stencil-case for. A. L. Heighton .. .. .	10195	7 Dec.
Branding-composition. A. L. Potter .. .. .	9415	8 April.
Branding composition, Cattle. G. Aitkens and H. P. H. Graves .. .. .	9978	9 Oct.
Branding machine. J. A. Barnes .. .. .	9476	26 April.
Branding. (See also Marking.)		
Brazing-table or pan. Elkington and Co. (Limited).. .. .	9203	19 Jan.
Bread-knife and -fork. H. J. Reeves .. .. .	10217	15 Dec.
Breakwater. C. S. Wedenby .. .. .	9682	15 July.
Bridle or headstall. T. Hogan .. .. .	9728	23 July.
Brush. (See Spray-brush, Tooth-brush.)		
Bucket-handle. G. Aitkens and H. Graves .. .. .	9430	10 April.
Bucket, Lug or ear for. W. Dalton .. .. .	9444	14 April.
Buckle-fastener. A. A. Grace.. .. .	9350	4 March.
Buggy. H. Bowen .. .. .	9967	7 Oct.
Building, Method of indicating presence or absence of person in any part of. E. B. and P. A. Vaile .. .. .	9715	20 July.
Building. (See Concrete, Roofing, Structural arrangement.)		
Bungs, taps, &c., Stopper applicable to. J. S. Woodhouse .. .. .	9860	1 Sept.
Buoy, Life. A. F. W. Goodwill .. .. .	9872	3 Sept.
Burner for acetylene and other gas. E. F. Green .. .. .	9655	1 July.
Burner for benzine-gas. P. W. von Gehlen .. .. .	9619	18 June.
Burner for oil-lamp. C. Throckmorton .. .. .	9956	2 Oct.
Burner for petroleum- and other oil-stoves. J. S. Chambers and J. G. Seymour .. .. .	9579	31 May.
Burner, Incandescent. G. W. Chalmers .. .. .	10073	21 Oct.
Burner, Support for incandescent gas-. W. R. Clay and B. Walmsley .. .. .	10138	18 Nov.
Burning of pastry, Preventing. A. Hamann .. .. .	9554	15 April.
Burnishing-ink for leather. E. Hitchings .. .. .	9218	20 Jan.
Butter-box, Composition for coating. F. H. Wood and J. E. Langstone .. .. .	9186	11 Jan.
Butter-box fastener. A. Dawes .. .. .	9343	11 Feb.
Butter-box, Head for. R. Loudon .. .. .	9520	12 May.
Butter-boxes, Enamel for lining. F. H. Wood and J. E. Langstone .. .. .	9610	14 June.
Butter-making. D. R. S. Galbraith .. .. .	9821	25 Aug.
Butter-making. D. R. S. Galbraith .. .. .	9952	2 Oct.
Butter-manufacture and churn therefor. E. G. N. Salenius .. .. .	9442	14 April
Butter-worker. J. Marshall and J. C. Thomson .. .. .	9842	31 Aug.
Butter. (See also Churn.)		
Cages used in shafts, &c., Brake for. T. B. Jacobsen and H. Rabe .. .. .	9927	20 Sept.
Calcing or roasting-furnace, Ore. G. A. Richard .. .. .	10245	23 Dec.
Calcium-carbide, Apparatus for generating acetylene gas from. C. A. Finch and H. J. Buchan .. .. .	10252	29 Dec.
Calcium-carbide, Method and apparatus for the manufacture of. F. H. Haviland, A. Holloway, J. B. Collier, and W. H. Murch .. .. .	9306	26 Feb.
Calculating-machine. W. J. Baldwin .. .. .	10235	22 Dec.
Calculating-machine, Printing-attachment for. A. T. Ashwell .. .. .	10055	27 Oct.
Calculating. (See also Cash-registering, Cost-indicating, Dial, Enumerator, Indicating, Ready-reckoner, Time-indicator, Weighing.)		
Calculations, Apparatus for facilitating. F. D. Fergusson .. .. .	9322	4 March.
Cam and camshaft for stamp-mills. E. J. Way .. .. .	9208	20 Jan.
Cam and camshaft for stamp-mills. E. J. Way .. .. .	10056	27 Oct.
Cams upon shafts, Means of securing. E. A. Blanton, jun. .. .. .	9585	3 June.
Camera, Photographic. E. P. Schoenfelder and E. Kehle .. .. .	9193	14 Jan.
Can. G. W. Clerihew .. .. .	9540	19 May.
Can-making machine. R. D. Hume .. .. .	9673	12 July.
Can. (See also Canister, Milk-can, Tin.)		
Canals, harbours, &c., Means for preventing accumulations of sand, &c., in. E. Waters. .. .. .	9323	4 March.
Candle-adjuster. E. B. Cargill .. .. .	9837	24 Aug.
Candle-grease, Preventing dropping of. T. A. Cato .. .. .	9904	14 Sept.
Candle-guard. W. Sandlant .. .. .	9764	11 Aug.
Candle-lamp or -lantern. A. Bock .. .. .	9642	30 June.
Candle- or lamp-holder. F. Albrecht .. .. .	9797	16 Aug.
Candlestick or holder. C. C. A. Hall .. .. .	9443	13 April.
Candlesticks from grease, &c., Instrument for protecting. A. L. J. Tait .. .. .	9506	7 May.
Candle-wick. E. B. and P. A. Vaile .. .. .	9692	17 July.
Canister or tin. F. J. Lake .. .. .	9348	20 Feb.
Canister, Tobacco. A. H. Turnbull .. .. .	9286	19 Feb.
Canopy- and vault-lights and prismatic glass. J. M. Ewen .. .. .	10008	19 Oct.
Canopy for window, Prismatic. J. M. Ewen .. .. .	10017	19 Oct.
Cap for chimney top. B. Roberts and T. Rose .. .. .	9738	28 July.
Capsuling food-extracts, medicine, &c. C. R. Valentine .. .. .	9933	27 Sept.
Car coupling, Railway. H. J. Marks .. .. .	9535	19 May.
Carbonated aerated drinks, Tablets for production of. A. Dolton .. .. .	9279	17 Feb.
Carriage, Child's. R. C. W. Horsley .. .. .	9521	10 May.
Carriage, Horseless. The Anglo-French Motor-carriage Company (Limited) .. .. .	9309	1 March.
Cart- and gig-seats, Seat-fastener for. F. H. and H. R. Steel .. .. .	9995	15 Oct.
Cart, Combined earth-scoop and. W. Henry .. .. .	9303	24 Feb.
Cart or spring-dray saddle. T. Hogan .. .. .	9930	25 Sept.
Carts and other vehicles, Balance-lever for equalising weight in. T. Goodwin .. .. .	10000	9 Oct.
Carving wood, Method of. H. J. C. Scott .. .. .	10148	22 Nov.
Case, Fruit. R. Jack .. .. .	9228	27 Jan.
Case or crate for rabbits, &c., Export. A. Hart and G. E. Andrew .. .. .	9376	25 March.
Case, Transport. F. A. Furlonge .. .. .	9391	29 March.
Case. (See also Box.)		

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention and Name of Inventor.	No.	Date.
Cash-registering, cheese-cutting, and weighing apparatus. R. J. Goodman .. ..	9338	10 March.
Cask, Appliance for connecting pump to end of. G. W. Sturgess .. ..	10139	15 Nov.
Cask or vat. H. Dose .. ..	9919	21 Sept.
Casting and -composing machine, Type-. Lanston Monotype-machine Company .. ..	10006	18 Oct.
Castings, Annealing iron- and steel-. P. D. Murphy .. ..	9321	1 March.
Catamaran, Steam-. W. W. Pullman .. ..	9179	4 Dec.'96.
Cattle-branding. (See Branding.)		
Cattle and horses, Drench for. E. P. Baker .. ..	9408	6 April.
Cattle, horses, sheep, &c., Drench for. A. Hamilton .. ..	9379	26 March.
Cavity or hollow walls, Tie for. A. F. Pritchard .. ..	9987	14 Oct.
Centrifugal amalgamator and separator. C. I. Garland and J. and S. E. Murray .. ..	9632	24 June.
Centrifugal machine for separating liquids. P. M. Sharples .. ..	9602	10 June.
Centrifugal pump. W. Jennings and M. G. B. Jefferson .. ..	9744	2 Aug.
Chaff-cutter, Machine for sharpening blades of. T. Dawson .. ..	9896	8 Sept.
Chain, Bicycle-. C. M. Murison .. ..	9372	23 March.
Chain-grip, Cycle. L. Horne .. ..	10187	3 Dec.
Chain. (See also Driving-chain.)		
Chainless bicycle-gear. B. Speight .. ..	9258	8 Feb.
Chainless driving-gear for bicycle. R. A. Dexter and J. Hare .. ..	9997	12 Oct.
Chainless driving-gear for cycle. C. L. Garland .. ..	9448	14 April.
Chair, Easy. C. T. Kiernan .. ..	10068	18 Oct.
Chair, Folding arm-. B. F. Griffin and H. G. Lever .. ..	10075	1 Nov.
Chamber and filter combined, Cooling-. E. H. K. Crawford .. ..	9988	14 Oct.
Channel and kerb for roads, crossings, &c. G. and W. Carder and E. Owen .. ..	9606	10 June.
Chape, Repairing-. T. S. McGrevy .. ..	9811	20 Aug.
Charcoal, &c., Furnace and precipitating apparatus for recovering gold from. J. Turnbull .. ..	10095	4 Nov.
Check-book holder. R. S. Abel and J. Dykes .. ..	9346	13 March.
Check. (See Door-check.)		
Checking mechanism for looms. J. Berry and G. E. Beaumont .. ..	9453	22 April.
Cheese-cutting apparatus. A. Saunders .. ..	9497	6 May.
Cheese-cutting, weighing, and cash-registering apparatus. R. J. Goodman .. ..	9338	10 March.
Child's carriage. R. C. W. Horsley .. ..	9521	10 May.
Chilling and freezing meat, Process of and means for. H. Grono and H. Pateson .. ..	9786	13 Aug.
Chilling. (See also Cooling, Freezing, Meat, Refrigerating.)		
Chimney-pot or ventilator. B. Crawford .. ..	10053	9 Oct.
Chimney-stacks, engines, &c., Smoke-consumer and spark-catcher for. L. G. Roope and J. Shepherd .. ..	9940	24 Sept.
Chimney-top, Cap for. B. Roberts and T. Rose .. ..	9738	28 July.
Chimneys, Apparatus for preventing down draught in. R. Davis .. ..	9734	30 July.
Chlorination, Apparatus for extracting metals by. G. F. Smith .. ..	9578	31 May.
Churn. E. G. N. Salenius .. ..	9442	14 April.
Churn. J. C. Seelye. .. ..	9934	27 Sept.
Churn. (See also Butter.)		
Cigar- and tobacco-cutter, match-delivering device, and indicator combined. T. H. Ross and H. M. Evans .. ..	9489	3 May.
Cigar- or cigarette-holder. J. Taylor .. ..	9990	14 Oct.
Cigar- or cigarette-wrapper cutting-machine. N. du Brul .. ..	9693	17 July.
Cigarette arranging mechanism. The American Tobacco Company of New Zealand (Limited) .. ..	9337	9 March.
Cigarette, Elliptical. The American Tobacco Company of New Zealand (Limited) .. ..	9460	22 April.
Cigarette-fillers, Machine for making. The American Tobacco Company of New Zealand (Limited) .. ..	9367	19 March.
Cigarette-machine. The American Tobacco Company of New Zealand (Limited) .. ..	9407	6 April.
Cigarette-machine. The American Tobacco Company of New Zealand (Limited) .. ..	9459	22 April.
Cigarette- or cigar-holder. J. Taylor .. ..	9990	14 Oct.
Cigarette- or pipe-holder. R. C. W. Horseley .. ..	9605	8 June.
Cistern, Flushing siphon-. J. Marsh .. ..	9461	22 April.
Cistern, Hot water circulating. J. Anderson .. ..	9266	9 Feb.
Cistern or -receptacle, Oil-. G. Mirfin .. ..	9290	23 Feb.
Clamp for making picture-frames. J. B. Gould .. ..	10183	4 Dec.
Clamp. (See also Cramp.)		
Cleaner. (See Fibre-cleaner, Knife-cleaner, Pot-cleaner, Wire-rope cleaner.)		
Cleaning bottles, decanters, &c., Machine for. G. Carrington .. ..	9516	10 May.
Cleaning fabrics, Composition for renovating and. C. Baldwin .. ..	9180	19 Nov.'96.
Cleaning harness, Composition for. E. T. Allen .. ..	9515	7 May.
Cleanser. W. J. Wilson .. ..	9772	11 Aug.
Clip, Trouser-. A. J. Cuming .. ..	9333	5 March.
Closet, Earth-. C. F. Pemberton .. ..	9959	2 Oct.
Closet or night-commode, Sanitary or inside. T. Danks .. ..	9399	29 March.
Closet, Water-. H. Stairmand and H. Garnham .. ..	9909	15 Sept.
Cloth for cutting, embroidering, &c., Marking out. J. Marsden .. ..	10152	24 Nov.
Cloth for fabrics, Machine for cutting. F. Leslie and M. Bromet .. ..	9311	1 March.
Cloth, Saddle-. P. Smith .. ..	10143	19 Nov.
Clothes-line prop-head. W. H. B. Miller .. ..	10125	15 Nov.
Clothes-line standard. J. Norris .. ..	9666	9 July.
Clothes-peg. A. L. J. Tait .. ..	9681	10 July.
Clothes-washing machine. T. Johnson and E. E. Kirby .. ..	10073	1 Nov.
Clutch for winch. W. and W. H. Cutten .. ..	10236	22 Dec.
Clutch, Reversing-. J. Gray .. ..	9639	22 June.
Coasting- and brake-attachment for bicycle. W. and J. Butler .. ..	10189	2 Dec.
Coat. (See Overcoat, Waterproof-coat.)		
Codlin-moth exterminator. R. A. C. Kerry .. ..	9980	4 Oct.
Coin-operated telephone instrument. F. J. Clendinnen and G. A. P. Weymouth .. ..	10250	24 Dec.
Collapsible box. C. McCallum .. ..	9219	23 Jan.
Collapsible box. G. Aitkens and H. Graves .. ..	9412	5 April.
Collar. (See Horse-collar, Shirt-collar.)		
Colloids of the gelatine class, Forming soluble. E. J. Mills .. ..	9924	24 Sept.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention and Name of Inventor.	No.	Date
Colouring photographs, Method of. J. H. Brown .. .. .	9221	23 Jan.
Colour-printing machine. V. Turati .. .. .	9629	24 June
Colour-stamping or embossing press. J. C. Swallow .. .. .	10092	4 Nov.
Comber, Fibre. W. Toogood .. .. .	9188	12 Jan.
Commode or -closet, Night-. T. Danks .. .. .	9399	29 March.
Composing machine, Type-casting and. Lanston Monotype-machine Company .. .. .	10006	18 Oct.
Composition for cleaning harness. E. T. Allen .. .. .	9515	7 May.
Compressing wool, hay, etc., Apparatus for. W. H. Herdman .. .. .	10204	9 Dec.
Compression-pump for refrigerating purposes. J. Budge .. .. .	9575	25 May.
Concentrated milk. W. T. Murray .. .. .	9320	3 March.
Concentrator. A. R. Willfley .. .. .	10101	5 Nov.
Concentrator and amalgamator combined. A. Menesdorffer, R. W. Jolly, and J. Wilson .. .. .	9299	25 Feb.
Concentrator, Ore-. O. Blacket .. .. .	9483	1 May.
Concentrator, Ore-. W. A. Köneman and W. H. Hartley .. .. .	10058	27 Oct.
Concentrator. (See also Amalgamator, Gold, Metals, Ores.)		
Concrete structure. W. Pinches .. .. .	9938	25 Sept.
Confectionery- or biscuit-box. G. Aitkens .. .. .	9398	31 March.
Connecting-rod for cycles. O. K. Peez .. .. .	9657	28 June.
Conserving banks of rivers. J. C. Vincent and R. Cobb .. .. .	10033	21 Oct.
Conserving rivers, Means of. S. Manning and T. G. Russell .. .. .	9979	8 Oct.
Cooking-range. J. F. Ford .. .. .	9533	22 Sept., '96.
Cooking-utensil. P. H. Pritchett .. .. .	9816	20 Aug.
Cooking-utensils, Cover for. E. Smethurst .. .. .	9523	13 May.
Cooler or -heater, Milk-. J. Alexander .. .. .	9224	25 Jan.
Cooling-chamber and filter combined. E. H. K. Crawford .. .. .	9988	14 Oct.
Cooling. (See also Freezing, Milk-cooler, Refrigerating.)		
Cord- or rope-fastener. H. Gorell .. .. .	10207	7 Dec.
Cornice-pole and blind head-board. W. Gee .. .. .	9796	13 Aug.
Corn-product, and process of and apparatus for making same. M. W. Marsden .. .. .	9171	5 Jan.
Corrugated iron, Nail for securing. J. Greenhill .. .. .	9991	14 Oct.
Corset. B. Porter .. .. .	9706	20 July.
Corset-jacket. G. Weston and W. Gunn .. .. .	9721	26 July.
Coseys, -rugs, &c., Method of making flax-. J. C. Corbett .. .. .	10119	13 Nov.
Cost-indicating and measuring machine. A. Smith .. .. .	9183	9 Jan.
Cost-indicating, registering, and weight-totalling apparatus for weighing-machine. W. H. and W. L. D. Gundry .. .. .	9847	27 Aug.
Cost-indicating scales, Dial for weight and. H. J. Wood .. .. .	9808	18 Aug.
Cost-indicator. (See also Calculating, Cash-registering, Dial, Enumerator, Indicating, Ready-reckoner, Time-indicator, Totalisator, Weighing.)		
Cost of goods sold by lineal measurement, Apparatus for indicating. J. L. Scott and A. Smith .. .. .	9256	4 Feb.
Cost of goods sold by lineal measurement, Apparatus for indicating. R. A. Bradbury .. .. .	9275	13 Feb.
Cotton-waste, wool, &c., Apparatus for degreasing. The Textile Cleaning Company (Limited) .. .. .	9709	22 July.
Coulter attachment to plough, Skeith and skim-. W. K. Elder .. .. .	9820	21 Aug.
Coulters, &c., Drilling-attachment for. G. Bristow .. .. .	9468	21 April.
Coupling and union for hose. A. H. Wedler .. .. .	9943	30 Sept.
Coupling, Railway-car. H. J. Marks .. .. .	9535	19 May.
Courses of rivers, Apparatus for changing. J. C. Vincent and R. Cobb .. .. .	10033	21 Oct.
Cover for cooking-utensils. E. Smethurst .. .. .	9523	13 May.
Cover for jugs, &c. W. C. and G. F. Gee .. .. .	9528	14 May.
Cover for jugs, &c. W. Hyde .. .. .	9846	1 Sept.
Cover. (See also Butter-box head, Horse-cover.)		
Cradle and rocker bicycle-saddle attachment. F. St. John .. .. .	9490	29 April.
Cramp. (See Clamp, Flooring- and lining-cramp.)		
Crank and hanger, Bicycle-. H. S. Grady .. .. .	10109	10 Nov.
Crank, Extension-rod for bicycle-. W. H. Landells and H. Zander .. .. .	9731	27 July.
Crank for bicycle, Automatic-extension. H. A. Ladbrook .. .. .	10134	15 Nov.
Crank for velocipede, Pedal-. J. P. Faulds, J. Dickinson, and G. E. Beaumont .. .. .	9345	13 March.
Crank for velocipede, Pedal-. G. E. Beaumont and J. and W. Dickinson .. .. .	9644	30 June.
Crank, Increasing power of bicycle-. H., H. L., and F. P. Wilson .. .. .	10081	2 Nov.
Crank spindle and bearing, Cycle-. A. J. Cuming .. .. .	9901	10 Sept.
Crank, Varying length of tread on bicycle-. P. C. K. Young .. .. .	10105	5 Nov.
Crate or case for rabbits, Export. G. E. Andrew and A. Hart .. .. .	9376	25 March.
Crate for export of rabbits, &c. A. S. Juniper .. .. .	10219	17 Dec.
Cream. (See Churn, Milk.)		
Cricket-bat handle. W. Brook .. .. .	9307	26 Feb.
Cricket-stumps. J. Roberts .. .. .	9353	11 March.
Crushing and grading ore, quartz, &c., Apparatus for. J. Wood and W. W. Clark .. .. .	9695	17 July.
Crushing quartz, ores, &c., Roller-mill for. H. W. Treloar .. .. .	10096	4 Nov.
Crushing-roll. J. L. Kirkbride .. .. .	9760	6 Aug.
Crushing-rolls, &c., Automatic feeder for. J. L. Kirkbride .. .. .	10052	21 Oct.
Crushing. (See also Ore, Pulveriser, Stamper battery.)		
Cue tip-fastening, Billiard-. A. A. and J. Whitelaw .. .. .	10237	22 Dec.
Cultivator and seed-drill, Combined. C. McLeod .. .. .	9215	21 Jan.
Cultivator, &c., Attachment for fixing shares to tines of. J. T. Allsop .. .. .	9467	22 April.
Cup, Egg-. G. E. Adlard .. .. .	9998	12 Oct.
Cup for sprayer-nozzle, Drip-. W. H. Price .. .. .	10070	29 Oct.
Cure for toothache and neuralgia. M. M. Squire .. .. .	10193	6 Dec.
Cure for piles and hemorrhoids, Mixture for. H. R. Simeon .. .. .	10142	17 Nov.
Curing hides or skins. J. W. Scott .. .. .	9249	4 Feb.
Cutter and thimble combined, Thread-. W. C. Robison .. .. .	10020	15 Oct.
Cutter, Cheese-. A. Saunders .. .. .	9497	6 May.
Cutter. (See Cigar-cutter, Tobacco-cutter, Wrapper-cutter.)		
Cutting and printing mechanism for box-making machine. The American Tobacco Company of New Zealand (Limited) .. .. .	9774	11 Aug.
Cutting and sharpening rock-drills, Machine for. F. G. Myers .. .. .	9782	22 Oct. '96.*
Cutting cloth or fabrics, Machine for. F. Leslie and M. Bromet .. .. .	9311	1 March.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention and Name of Inventor.	No.	Date.
Cutting sods for laying rabbit-poison, Boot-attachment for. C. Johns .. ..	9293	23 Feb.
Cyanide process of extracting gold. A. M. Cameron .. ..	10174	2 Dec.
Cyanide solutions, Electric precipitation of gold and silver from. A. James .. ..	9435	8 April.
Cyanide solutions, Precipitating metals from. M. B. Zerener .. ..	9195	14 Jan.
Cyanide solutions, Recovering gold, &c., from. E. Andreoli .. ..	9313	1 March.
Cycle. G. Aitkens .. ..	9134	11 Jan.
Cycle. W. H. Landells .. ..	9217	20 Jan.
Cycle. A. J. Cuming .. ..	9670	8 July.
Cycle- and motor-frames, Junctions for. F. Billing and W. E. Partridge .. ..	9166	4 Jan.
Cycle-brake. G. Baxter .. ..	9383	25 March.
Cycle-brake. B. Locking .. ..	10151	23 Nov.
Cycle-brake gear. L. N. Dyrberg .. ..	9301	24 Feb.
Cycle-chain grip. L. Horne .. ..	10187	3 Dec.
Cycle crank-spindle and bearing. A. J. Cuming .. ..	9901	10 Sept.
Cycle, Device for attaching rider's feet to pedals of. H. Thompson .. ..	9861	2 Sept.
Cycle driving-gear. A. Gross, V. E. Masters, and J. Booth .. ..	9268	13 Feb.
Cycle driving-gear. C. L. Garland .. ..	9448	14 April.
Cycle driving-gear. T. E. White and C. Read .. ..	9463	22 April.
Cycle driving-gear. E. B. Vaile .. ..	9466	15 April.
Cycle driving-gear. M. Scott .. ..	9562	21 May.
Cycle driving-gear. M. Scott .. ..	9594	2 June.
Cycle driving-gear. J. Brown .. ..	9888	9 Sept.
Cycle driving-gear. E. Moss and H. J. Ranger .. ..	9898	9 Sept.
Cycle driving-gear. T. C. Dennison and R. C. Skeet .. ..	10042	18 Oct.
Cycle driving-gear. M. and J. Christophersen and A. Mackay .. ..	10168	27 Nov.
Cycle driving-gear. A. H. Edwards .. ..	10172	1 Dec.
Cycle-driving mechanism. J. Welsh .. ..	9212	21 Jan.
Cycle-driving mechanism. S. Macdonald .. ..	9563	21 May.
Cycle-driving mechanism. J. H. Howe .. ..	9849	31 Aug.
Cycle-driving mechanism. G. G. M. Hardingham .. ..	10257	31 Dec.
Cycle-driving mechanism, Lever-arm for. W. W. Curties .. ..	9316	1 March.
Cycle, Flexible connection for gear-wheels of. J. Robertson .. ..	9326	4 March.
Cycle-frame. A. J. Cuming .. ..	9477	28 April.
Cycle-frame. A. J. Cuming .. ..	9638	25 June.
Cycle-frame joints. H. Belcher, F. Easom, and F. Westwood .. ..	10242	23 Dec.
Cycle-gear. E. A. Trendall .. ..	9250	28 Jan.
Cycle-gear. H. Thompson .. ..	9364	16 Jan.
Cycle-gearing. M. W. Lane .. ..	9685	12 July.
Cycle-gearing. J. Phillips .. ..	10120	11 Nov.
Cycle-gear wheels, Flexible connection for. J. Robertson .. ..	9326	4 March.
Cycle handle-bar. A. J. Cuming .. ..	9671	8 July.
Cycle-handles, Affixing and adjusting. W. A. Murray .. ..	10175	2 Dec.
Cycle-propelling mechanism. L. and E. Schmoll .. ..	9488	1 May.
Cycle-propelling mechanism. R. K. Parkerson and H. Zander .. ..	9720	23 July.
Cycle-racing or exercising machine. G. J. Bones and L. H. Hart .. ..	9955	2 Oct.
Cycle-roundabout. D. Burrell and C. Curtis .. ..	9880	9 Sept.
Cycle, Trouser-guard for. E. R. Standfield and F. J. Fuchs .. ..	9607	11 June.
Cycle two-speed gear. T. Read .. ..	9472	8 April.
Cycle-tire. (See Tire.)		
Cycle-tires, Automatic pump for inflating. A. Gross .. ..	10034	21 Oct.
Cycle-wheel. (See Wheel.)		
Cycle. (See also Bicycle, Brake, Driving-gear, Motor, Pedal, Propelling, Saddle, Seat, Tire, Tricycle, Vehicle, Velocipede, Wheel.)		
Cycles, Affixing umbrellas, &c., to. C. E. Jay .. ..	10060	26 Oct.
Cycles, Connecting-rod for. O. K. Peez .. ..	9657	28 June.
Cycling-skirt. S. E. Francis .. ..	9910	16 Sept.
Cyclist, Belt or body-support for. E. Merrillces .. ..	9985	14 Oct.
Cyclistes' skirt-attachment. C. Bristow .. ..	9491	4 May.
Cyclists' home-trainer. H. V. Westbury .. ..	9589	4 June.
Cyclist's shoe to pedal. Means of connecting. S. Macdonald and L. S. Harrison .. ..	9564	21 May.
Cylindrical objects, Machine for printing. Maskinforretningen Interessentskabet Daawrud .. ..	9264	12 Feb.
Damper for steam-boiler. G. Butel .. ..	10185	4 Dec.
Damping-machine, Automatic finger for removing labels from. W. Woodcock .. ..	9284	17 Feb.
Degreasing leather, Method of and machine for. G. E. Wright and W. Monk .. ..	9417	8 April.
Degreasing wool, cotton-waste, &c., Apparatus for. The Textile Cleaning Company (Limited) .. ..	9709	22 July.
Designs, letters, and figures for educational purposes. J. Harvey .. ..	9654	1 July.
Desk or stand attachable to chair, bed, &c. J. Tremearne .. ..	9470	26 April.
Dial and universal time-indicator. A. J. Day .. ..	9361	18 March.
Dial for weight and cost-indicating scales. H. J. Wood .. ..	9808	18 Aug.
Dial, Sun-. J. Levinge .. ..	9704	20 July.
Dial switch, Telephone-. H. C. M. Watson .. ..	9680	28 June.
Diamond core-drill. H. L. Webster .. ..	9792	14 Aug.
Dickey, and means of attaching to shirt. J. Harvey-Metcalf .. ..	9566	25 May.
Digger, Potato-. H. Cave .. ..	9274	12 Feb.
Dip, Sheep-. T. Hallett .. ..	10253	30 Dec.
Disc-coulters, plough-wheels, &c., Axle and box for. J. Cockerell and R. H. Harper .. ..	9545	19 May.
Disc-plough, Rotary. W. C. Peacock .. ..	10247	23 Dec.
Dish, Prospecting-. W. G. Collins .. ..	10126	10 Nov.
Disc-ridger. J. Macalister .. ..	9202	8 Jan.
Dissolvent, Gold-. A. Etard .. ..	9402	22 March.
Divider for reaper-and-binder, Rotary T. Bassett and J. K. Mawson .. ..	9824	23 Aug.
Diving-dress. Deep Sea Diving Company (Limited) .. ..	9362	18 March.
Diving-dress. H. J. S. Kelly .. ..	9447	14 April.
Diving-dress. J. W. Gray .. ..	9992	14 Oct.
Door-check. G. J. A. Leslie and F. E. Holmes .. ..	9287	17 Feb.
Door-check. A. H. Brownley .. ..	9394	19 Feb.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention and Name of Inventor.	No.	Date.
Door-check. G. J. A. Leslie and W. D. Kenealy .. .. .	10149	18 Nov.
Door, Double. A. H. Telfer and D. Richardson .. .. .	9176	7 Jan.
Door, Draught preventer for. J. J. Denehy .. .. .	9853	2 Sept.
Door, Draught-preventer for. W. Graham .. .. .	9637	24 June.
Door, Draught-preventer for. T. Johnson and E. E. Kirby .. .. .	10074	1 Nov.
Door-hinge. F. Street .. .. .	9189	1 Dec., '96
Door-step whitener. S. Sicklemore .. .. .	9757	6 Aug.
Double-seated bicycle. M. Scott .. .. .	10211	11 Dec.
Dough, Process and apparatus for converting grain into. O. Avedyk and A. Desgoffe .. .. .	9165	4 Jan.
Dovetail edges for rivetless pipes, Machine for forming. M. Ferguson .. .. .	10114	11 Nov.
Drain-pipes, Joining. T. Firth .. .. .	9330	6 March.
Drain-plough. W. S. Payne .. .. .	9791	10 Aug.
Drain-plough plug. A. Russell .. .. .	10049	19 Oct.
Drains blocking and gas escaping, Gully for preventing. J. J. Craig .. .. .	9779	10 Aug.
Draught-plate for register-grate. T. Dacombe .. .. .	9614	15 June.
Draught-preventer for door. W. Graham .. .. .	9637	24 June.
Draught-preventer for door. J. J. Denehy .. .. .	9853	2 Sept.
Draught-preventer for door. T. Johnson and E. E. Kirby .. .. .	10074	1 Nov.
Dredge. S. Lawson .. .. .	9243	1 Feb.
Dredge, Appliance for precipitating gold on tables of. G. H. Oatway .. .. .	10218	13 Dec.
Dredge for recovering gold. L. H. Reynolds .. .. .	9599	8 June.
Dredge, Gold-saving appliance for. L. H. Reynolds and G. H. Oatway .. .. .	10197	3 Dec.
Dredge, Gold-saving table for. C. H. Osmond .. .. .	9758	6 Aug.
Dredging, Method of and apparatus for. S. Crow .. .. .	9591	7 May.
Drench for cattle, horses, &c. A. Hamilton .. .. .	9379	26 March.
Drench for horses and cattle. E. P. Baker .. .. .	9408	6 April.
Dress. (See Diving dress.)		
Dressing flax. (See Flax.)		
Drill, Force-feed for. T. Ayson .. .. .	10145	20 Nov.
Drill for sowing grain with manure. I. Sargent .. .. .	9651	7 June.
Drill. (See also Diamond core-drill, Rock-drill, Seed-drill.)		
Drilling-attachment for cutlers, &c. G. Bristow .. .. .	9468	21 April.
Drilling, excavating, and breaking up submarine rock, Apparatus for. R. M. Scott and A. Goodsir .. .. .	10116	11 Nov.
Drilling- or boring-tool. B. Wesselmann .. .. .	9571	28 May.
Drinks, Tablets for production of carbonated aerated. A. Dolton .. .. .	9279	17 Feb.
Drip-cup for sprayer-nozzle. W. H. Price .. .. .	10070	29 Oct.
Driving-belt. A. Drake .. .. .	10136	18 Nov.
Driving-chain for bicycle. C. M. Murison .. .. .	9372	23 March.
Driving-chains of bicycles and tricycles, Appliance for cleaning. P. Genn .. .. .	9175	23 Dec., '96
Driving-gear for motor-cars, cycles, &c. T. C. Dennison and R. C. Skeet.. .. .	10042	18 Oct.
Driving gear for winch. W. H. and W. Cutten .. .. .	10238	22 Dec.
Driving-gear. (See Bicycle driving-gear, Cycle driving-gear, Velocipede driving-gear.)		
Driving-wheel, Locomotive. P. Z. Davis .. .. .	9890	27 March.
Drying ore, Apparatus for roasting and. P. Argall .. .. .	10102	5 Nov.
Drying wool. (See Wool.)		
Dust-collecting screen for quartz-crushing batteries, &c. M. Bate .. .. .	9640	24 June.
Dust from stamper-boxes, Method of and apparatus for collecting and treating. W. H. Clarke .. .. .	9650	30 June.
Dust-stopper for stamper battery. W. Thomas .. .. .	9724	19 July.
Dyeing. E. J. Stewart .. .. .	9841	31 Aug.
Dyes, washing-blue, &c., Receptacle for. H. Vallance .. .. .	10111	10 Nov.
Dynamic energies of matter, Means of utilising. H. Sanche .. .. .	9875	8 Sept.
Dynamite and other blasting material, Method of igniting. W. Skeates .. .. .	10206	7 Dec.
Dynamo for lighting incandescent electric lamps, Combined air-pressure turbine and. T. G. Howden .. .. .	10046	23 Oct.
Ear or lug for bucket. W. Dalton .. .. .	9444	14 April.
Earth-closet. C. F. Pemberton .. .. .	9959	2 Oct.
Earth-metal oxides. (See Oxides.)		
Earth-scoop and cart combined. W. Henry .. .. .	9303	24 Feb.
Easy-chair. C. T. Kiernan .. .. .	10068	18 Oct.
Educational purposes, Letters, figures, and designs for. J. Harvey .. .. .	9654	1 July.
Egg-cup. G. E. Adlard .. .. .	9998	12 Oct.
Egg-preservative. G. H. Buckeridge, P. Marks, and C. F. Cork .. .. .	9865	6 Sept.
Eggs, fruit, &c., Method of and apparatus for carrying. A. Smith .. .. .	9958	13 Sept.
Eggs, fruit, &c., Method of preserving. J. A. Parker .. .. .	9574	29 May.
Ejector, Toilet-powder. J. J. Charlton and J. H. Kay .. .. .	9197	14 Jan.
Elections, &c., Apparatus for recording and registering votes at. W. A. Ellis .. .. .	10200	9 Dec.
Elections, Apparatus for registering votes at. W. Andrews, J. Bruce, and F. H. Schoeneberg .. .. .	10233	20 Dec.
Elections, Process and apparatus for recording votes at. O. Hansen .. .. .	10131	11 Dec.
Electric alarm, Railway-crossing. J. Ferguson .. .. .	10097	2 Nov.
Electrical battery for light and power purposes, Regenerative. G. G. Turri .. .. .	10091	4 Nov.
Electrical impulses and signals, Apparatus for transmitting. The Wireless-telegraph and Signal Company (Limited) .. .. .	9925	21 Sept.
Electrical or storage battery. W. W. Hanscom and A. Hough .. .. .	9741	2 Aug.
Electric arc-lamp. The British Blahnik Arc Light Company (Limited) .. .. .	9539	19 May.
Electric arc-lamp. The British Blahnik Arc Light Company (Limited) .. .. .	10243	23 Dec.
Electric currents and signals, Controlling. A. C. Crehore and G. O. Squier .. .. .	9541	19 May.
Electric ignition for gas, oil, and internal-combustion engine. F. Henderson and M. T. N. Bluck .. .. .	9748	29 July.
Electric lamp, Combined air-pressure turbine and dynamo for lighting an incandescent. T. G. Howden .. .. .	10046	23 Oct.
Electric meat- and goods-marker. E. Hardaker and T. A. Petrie .. .. .	9747	12 July.
Electric propulsion, Apparatus for. C. P. F. Clerc and A. G. Pingault .. .. .	9386	27 March.
Electric storage battery. J. E. Liardet .. .. .	10135	17 Nov.
Electro-glazing and mechanical methods of mounting prism-lights and -tiles. J. M. Ewen .. .. .	10015	19 Oct.
Electro-glazing for joining glass, tiles, &c. J. M. Ewen .. .. .	10010	19 Oct.
Electrolyser. J. G. A. Rhodin and A. R. Harvey .. .. .	10094	4 Nov.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention and Name of Inventor.	No.	Date.
Electrolysis and solvents, Method of extracting metals from ores by. C. A. Mulholland and R. M. Cochrane	9457	22 April.
Electrolysis, Glazing prismatic glass sections, tiles, &c., together by. J. M. Ewen	10011	19 Oct.
Electrolytic amalgamator. P. Ferguson	10021	15 Oct.
Electrolytic and leaching treatment of zinc-ores. E. A. Ashcroft.	9809	20 Aug.
Electrolytic apparatus. E. Motz and H. F. Welch	10178	3 Dec.
Electrolytic precipitating-box. P. Ferguson	10023	15 Oct.
Electro-motor. M. Brab	9297	25 Feb.
Elevator-frame for reaper-and-binder. A. Orr and J. Ure	9874	8 Sept.
Elevator, Hydraulic gravel-. R. H. Campbell	9627	24 June.
Elevator, Sack-. J. Acton	9439	12 April.
Elliptical cigarette. The American Tobacco Company of New Zealand (Limited)	9460	22 April.
Embossed or bas-relief photographs, Process for producing. I. Faris and F. W. Mason	10108	5 Nov.
Embossing or stamping press, Colour-. J. C. Swallow	10092	4 Nov.
Embrocation. M. A. Galbraith	9548	19 May.
Enamel for lining butter-boxes. F. H. Wood and J. E. Langstone	9610	14 June.
Enamel paint and mode of applying same. A. Ogden and C. L. Garland	9511	10 May.
Engines, chimney-stacks, &c., Smoke-consumer and spark-catcher for. L. G. Roope and J. Shepherd	9940	24 Sept.
Engine. (See Air-engine, Automatic engine, Gas-engine, Hydro-carbon engine, Locomotive-engine, Oil-engine, Rotary engine, Steam engine, Spirit-engine, Traction-engine, Tube-engine, Motors, Power.)		
Enumerating-machine or totalisator. H. Hodsdon	10229	18 Dec.
Envelope. R. S. Elston, jun.	9231	26 Jan.
Envelope. F. J. Lake	9669	7 July.
Envelope. P. A. Roberts	9810	20 Aug.
Envelope or wrapper. E. B. and P. A. Vaile	9691	17 July.
Escape, Fire-. C. W. G. Aldridge and W. C. Clark	9572	28 May.
Essence of tea. B. M. Brian	9679	9 July.
Evaporating-pan, steam-generator, and furnace combined. J. T. Johns, J. H. Fleming, and G. W. Basley	9818	20 Aug.
Excavating and breaking-up submarine rock, Apparatus for drilling. R. M. Scott and A. Goodsir	10116	11 Nov.
Exercising machine, Cycle-racing or. G. J. Bones and L. H. Hart	9955	2 Oct.
Exploding blasting material, Means of. J. Ritchie	10155	19 Nov.
Explosion-motor. H. Tarrant	9852	2 Sept.
Explosive. The British and Colonial Colliery Supply Association (Limited)	10177	2 Dec.
Extension- crank for bicycles, Automatic. H. A. Ladbroke	10134	15 Nov.
Extension-rod for bicycle-cranks. W. H. Landells and H. Zander	9731	27 July.
Extinguisher, Spark-. D. E. Blacke	9597	4 June.
Extract, An alimentary. E. C. L. Kressel and T. Hill-Jones	9971	8 Oct.
Extracting gold. (See Gold, Metals, Ore, Zinc.)		
Eye for ends of harness-traces, Loop and. C. Anderson	9736	31 July.
Fabrics and cloth, Machine for cutting. F. Leslie and M. Bromet	9311	1 March.
Fabrics, Composition for renovating and cleaning. C. Baldwin	9180	19 Nov.'96.
Fabrics, wool, &c., Apparatus for washing. J. H. Coxen	10057	27 Oct.
Fastener. (See Belt-fastener, Bootlace-fastener, Buckle-fastener, Butter-box fastener, Cord-fastener, Cue-tip fastener, Gate-fastener, Horse-cover fastener, Legging fastener, Mail-bag fastener, Nozzle-fastener, Rail-fastener, Rope-fastener, Sash-fastener, Seat-fastener, Strap-fastener, Tie-fastener, Trace-fastener, Twine-fastener, Window-fastener, Wire-fastener.)		
Fats and oils, Apparatus for refining. J. Davidson and C. G. Hepburn	9512	10 May.
Fats and oils, Apparatus for treating. C. G. Hepburn	10171	1 Dec.
Feed- and dust-stopper for stamper battery. W. Thomas	9724	19 July.
Feeder for stamp-batteries, &c., Automatic. J. L. Kirkbride	10052	21 Oct.
Feed for drills, &c., Force-. T. Ayson	10145	20 Nov.
Feed for seed-drills, &c. H. E. MacDonald	9339	10 March.
Feed-water purifier for steam-generator. J. H. Rosenthal	9844	1 Sept.
Feeding-bottle heater and foot-warmer. H. G., M. E., and G. W. Noy and J. Bennie	10079	6 Sept.
Fence, Woven-wire. A. J. Bates	9336	6 March.
Fencing apparatus, Wire-. J. McRae	9697	16 July.
Fencing-posts, railway-sleepers, &c., Process of and composition for manufacturing. E. Walker and J. A. Henderson	9235	28 Jan.
Fencing-standard. A. L. Heighton	9331	8 March.
Fencing-standard. H. E. R. Rayner	9802	17 Aug.
Fencing-standard. O. L. Sutton, jun.	9899	11 Sept.
Fencing-standard. J. Acton	9961	29 Sept.
Fencing-standards, Tool for driving. H. E. R. Rayner	10076	1 Nov.
Fencing-wire, Hooknail for fastening. W. Parker	9725	24 July.
Fencing, Wire-straining grip for. J. C. Graham	10064	29 Sept.
Fencing-wire to standards, Means of securing. W. C. Greig	10201	8 Dec.
Fencing. (See also Gate-post, Standard, Wire-fencing, Wire-strainer.)		
Fertilised and fertilising materials, Manufacturing. C. H. Thompson	9495	6 May.
Fertilisers, Manufacturing. R. Rawson	9858	2 Sept.
Fibre-cleaner. W. Toogood	9188	12 Jan.
Fibre-cleaner. W. Toogood	9832	27 Aug.
Fibre, Treating vegetable. A. F. B. Gomess	9471	26 April.
Fibre. (See also Flax.)		
Field-roller. J. Storrer	10047	8 Oct.
Figure-reducing belt. E. A. and W. R. Gover	10082	28 Oct.
Figures, designs, and letters for educational purposes. J. Harvey	9654	1 July.
Filler or funnel. R. A. Cassels	9283	1 Feb.
Fillers, Machine for making cigarette-. The American Tobacco Company of New Zealand (Limited)	9367	19 March.
Filter and cooling-chamber combined. E. H. K. Crawford	9988	14 Oct.
Filter for tobacco-smoke. E. B. and P. A. Vaile	9716	20 July.
Filter. (See also Water-filter.)		
Finger for removing labels from damping-machine, Automatic. W. Woodcock	9284	17 Feb.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention and Name of Inventor.	No.	Date.
Fire-alarm. H. Hedge .. .. .	10154	23 Nov.
Fire-escape. C. W. G. Aldridge and W. C. Clark .. .. .	9572	28 May.
Fire-extinction, axle-cooling, &c., Means of employing locomotive- and other steam-engines for. R. Feasey .. .. .	9753	5 Aug.
Fireplace devices. The Incandescent Fire-mantle and Stove Company (Limited) .. .. .	10249	23 Dec.
Fire-proof floors, walls, &c., Method of constructing. Hanson's Fire-proof Floor Syndicate (Limited) .. .. .	9387	27 March.
Fires, mines, &c., Means of supplying air at. E. Sprey .. .. .	10029	18 Oct.
Fish-cleaning apparatus. J. R. Smith .. .. .	10198	6 Dec.
Fish, meat, &c., Preserving. F. Taillefer .. .. .	9656	1 July.
Fish-offal, &c., Treating. The Fish Oil and Guano Syndicate (Limited) .. .. .	9970	8 Oct.
Fish-oil, Method of purifying. A. J. Cunningham .. .. .	9649	30 June.
Fishplate for railways. H. Hill .. .. .	9479	5 April.
Flax and similar fibres, Method of and machinery for treating. C. S. White and A. J. Cuming .. .. .	9174	5 Jan.
Flax and similar fibres, Method of and machinery for treating. C. S. White and A. J. Cuming .. .. .	10169	3 Dec.
Flax-dressing process. A. Bergin .. .. .	9963	7 Oct.
Flax-mills, Utilising tow and waste fibres from. C. S. White and A. J. Cuming .. .. .	9340	22 Feb.
Flax rugs, coseys, &c., Method of making. J. C. Corbett .. .. .	10119	13 Nov.
Flax. (See also Fibre.)		
Floater for raising sunken vessels, Air-. F. Marriott .. .. .	9937	25 Sept.
Floor- and lining-cramp. W. Reece and C. L. Davies .. .. .	9522	22 May.
Floor- and lining-cramp. W. Reece and C. L. Davies .. .. .	9932	22 May.
Floorcloth, Mosaic. F. Walton .. .. .	9351	12 March.
Fluid from bodies containing same, Separating. W. A. Köneman .. .. .	9187	11 Jan.
Fluid-motor. P. Ellis .. .. .	9775	10 Aug.
Flushing siphon-cistern. J. Marsh .. .. .	9461	22 April.
Flying-machine. A. Adams .. .. .	10027	21 Oct.
Fly-screen. R. Spencer .. .. .	9873	8 Sept.
Folding arm-chair. B. F. Griffin and H. G. Lever .. .. .	10075	1 Nov.
Folding-box. C. McCallum .. .. .	9219	23 Jan.
Food, Preserving. (See Preserving.)		
Food. (See also Corn-product.)		
Foot-rest and brake for bicycle. Massey-Harris Company (Limited) .. .. .	9446	14 April.
Foot-warmer, Feeding-bottle heater and. H. G., M. E., and G. W. Noy and J. Bennie .. .. .	10079	6 Sept.
Force-feed for drills, &c. T. Ayson .. .. .	10145	20 Nov.
Forge, Tuyère for. L. Billett and F. R. Cowper .. .. .	9534	19 May.
Forging and sharpening rock-drills, Machine for. F. G. Myers .. .. .	9783	22 Oct. '96.*
Forging and sharpening rock-drills, Machine for. S. P. Quick .. .. .	9793	14 Aug.
Forging-furnace. W. W. Barnes .. .. .	9310	1 March.
Forging, swaging, or hammering metal articles, Machine for. F. G. Myers .. .. .	9781	22 Oct. '96.*
Fork, Bread-knife and. H. J. Reeves .. .. .	10217	15 Dec.
Frame. (See Bicycle-frame, Cycle-frame, Elevator-frame, Picture-frame, Saw-frame.)		
Frames, Improvements in junctions of cycle- and motor-. F. Billing and W. E. Partridge .. .. .	9166	4 Jan.
Framing prism-lights and -tiles, Electro-glazing and mechanical methods of. J. M. Ewen .. .. .	10015	19 Oct.
Framing window-lights, tile sections, &c., Devices for mechanically. J. M. Ewen .. .. .	10013	19 Oct.
Freezing and chilling meat, Process of and means for. H. Grono and H. Pateson .. .. .	9786	13 Aug.
Freezing and thawing meat, Process in. G. Aitkens .. .. .	9237	30 Jan.
Freezing or refrigerating apparatus. W. Nelson .. .. .	10170	26 Nov.
Friction-gear for bicycles, &c. J. F. Perkins and A. Robins .. .. .	9410	5 April.
Fruit-case. R. Jack .. .. .	9228	27 Jan.
Fruit, eggs, &c., Method of and apparatus for carrying. A. Smith .. .. .	9958	13 Sept.
Fruit, eggs, &c., Method of preserving. J. A. Parker .. .. .	9574	29 May.
Fruit-picking apparatus. J. Hogg .. .. .	10106	14 Oct.
Fuel, Artificial. The Patent Agglomment-fuel Syndicate (Limited) .. .. .	10032	21 Oct.
Fuel-economizer. A. W. Legg .. .. .	9185	4 Jan.
Fuel-economizing apparatus for steam-boilers, Stoking, smoke-consuming, and. The Wood and Claydon Automatic Stoker, Coal-crusher, Self-feeder, and Smoke-consumer Company (Limited) .. .. .	9132	8 Jan.
Fumes for destroying rabbits, Generator for. J. Butel, jun. .. .. .	9358	14 March.
Fumigator or generator. E. Ekengren, C. J. Olivecrona, and H. E. McDonald .. .. .	9931	25 Sept.
Funnel or filler. R. A. Cassels .. .. .	9283	1 Feb.
Furnace and precipitating apparatus for recovering gold from charcoal, &c., Combined. J. Turnbull .. .. .	10095	4 Nov.
Furnace, Arch for promoting combustion in locomotive-. A. F. Hack .. .. .	10199	9 Dec.
Furnace for smelting ironsand. A. Coubrough .. .. .	10225	17 Dec.
Furnace, Heating- or forging-. W. W. Barnes .. .. .	9310	1 March.
Furnace, Ore-roasting. T. Edwards .. .. .	9777	12 Aug.
Furnace, Ore-roasting. W. Scully .. .. .	9280	17 Feb.
Furnace, Ore-treating. J. Armstrong .. .. .	9559	22 May.
Furnace, Roasting- or calcining-. G. A. Richard .. .. .	10245	23 Dec.
Furnace, steam-generator, and heating-, evaporating-, or preserving-pan combined. J. T. Johns, J. H. Fleming, and G. W. Basley .. .. .	9818	20 Aug.
Furnace, Tuyère for. W. L. Austin .. .. .	9509	10 May.
Furnaces, Means for supplying hot air, gases, &c., to. J. Martin .. .. .	9462	22 April.
Furnaces, Method of and apparatus for charging smelting-. E. Hall .. .. .	9577	31 May.
Furniture. E. Cowles .. .. .	9305	13 Feb.
Garment. W. A. Smith .. .. .	9223	25 Jan.
Gas burner, Atmospheric-. E. F. Green .. .. .	9655	1 July.
Gas escaping, Gully for preventing drains blocking and. J. J. Craig .. .. .	9779	10 Aug.
Gas from bodies containing same, Separating. W. A. Köneman .. .. .	9187	11 Jan.
Gas generator, Acetylene-. (See Generator.)		
Gas-lamp. T. C. J. Thomas and W. M. Still .. .. .	9596	5 June.
Gas-lighting, Incandescing media for use in. R. Langhans .. .. .	9209	21 Jan.
Gas-light tassel, Incandescing. L. Hooker .. .. .	9707	21 July.
Gas, mineral-oil, &c., Lighting and heating system by means of. P. G. de Schodt .. .. .	9863	4 Sept.
Gas, oil, or internal combustion-engine. F. Henderson and M. T. N. Bluck .. .. .	10231	15 Dec.
Gas, oil, or internal combustion engine, Electric ignition for. F. Henderson and M. T. N. Bluck .. .. .	9748	29 July.



ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention and Name of Inventor.	No.	Date.
Gas, oil, or internal combustion-engine, Valve-gearing for. F. Henderson and M. T. N. Bluck ..	9749	29 July.
Gas or hydro-carbon engine. J. F. Duryea .. .. .	9740	2 Aug.
Gas- or oil-engine. J. Swan and J. Chisholm .. .. .	9451	9 April.
Gas, Process and apparatus for the manufacture of inflammable. G. W. Lee, F. Elliott, and G. Tatham ..	10160	25 Nov.
Gas, Process of and composition for manufacturing inflammable. A. A. Stephenson ..	9856	2 Sept.
Gas-stove. R. Morton and R. Pringle .. .. .	9474	26 April.
Gas-stove. R. Pringle .. .. .	9926	22 Sept.
Gas to stove, Means for controlling supply of. J. Wynn .. .. .	10180	3 Dec.
Gas. (See also Acetylene, Benzine, Hydro-carbon.)		
Gases in mines, Method and apparatus for treating air to control. J. D. Williams and L. D. Gibson ..	9401	1 April.
Gate, Automatic. A. H. Brownley .. .. .	9405	6 April.
Gate-fastener. G. K. Askin .. .. .	9302	24 Feb.
Gate-hinge. F. Street .. .. .	9189	1 Dec. '96.
Gear, Chainless bicycle-. B. Speight .. .. .	9258	8 Feb.
Gear for cycles, motor-cars, &c. E. A. Trendall .. .. .	9250	28 Jan.
Gearing, Cycle-. J. Phillips .. .. .	10120	11 Nov.
Gearing for bicycles, tricycles, &c. A. T. Cavell and C. J. Royds .. .. .	9319	3 March.
Gear, Roller-tooth variable. T. Foster .. .. .	9836	28 July.
Gear-wheel. J. H. Howe .. .. .	9850	31 Aug.
Gelatine colloids, Forming soluble. E. J. Mills .. .. .	9924	23 Sept.
Generator. (See Acetylene-gas generator, Motive-power generator, Steam-generator, Water-gas generator.)		
Generator or fumigator. C. J. Olivecrona, H. E. McDonald, and E. Ekengren .. .. .	9931	25 Sept.
Giant, Hydraulic. J. P. Simmons .. .. .	9843	1 Sept.
Gig. H. T. Smith and H. Miller .. .. .	9505	21 April.
Gig- and cart-seats, Seat-fastener for. F. and H. R. Steel .. .. .	9995	15 Oct.
Glass sections, tiles, &c., Glazing together by electrolysis. J. M. Ewen .. .. .	10011	19 Oct.
Glass tiles, &c., Electro-glazing for joining. J. M. Ewen .. .. .	10010	19 Oct.
Glass, Vault- and canopy-lights, and prismatic. J. M. Ewen .. .. .	10008	19 Oct.
Glass, Window-lights, and prismatic. J. M. Ewen .. .. .	10007	19 Oct.
Glazing for joining glass tiles, &c., Electro-. J. M. Ewen .. .. .	10010	19 Oct.
Glazing prismatic glass sections, tiles, &c., together by electrolysis. J. M. Ewen .. .. .	10011	19 Oct.
Gold, A means of working under water for. P. Lanigan .. .. .	9981	7 Oct.
Gold and silver from cyanide solutions, Electric precipitation of. A. James .. .. .	9435	8 April.
Gold and silver from ores, Process of and apparatus for extracting. P. Ferguson .. .. .	10025	15 Oct.
Gold- and silver-ores, Means for treating. J. C. Montgomerie and H. Parkes .. .. .	9643	30 June.
Gold- and silver-ores, Treating. The General Gold Extracting Company (Limited) and L. Pelatan ..	10222	17 Dec.
Gold, Appliance for saving. G. H. Oatway .. .. .	10209	9 Dec.
Gold, Cyanide process of extracting. A. M. Cameron .. .. .	10174	2 Dec.
Gold dissolvent. A. Etard .. .. .	9402	22 March.
Gold, Dredge for recovering. L. H. Reynolds .. .. .	9599	8 June.
Gold from charcoal, &c., Furnace and precipitating apparatus for recovering. J. Turnbull ..	10095	4 Nov.
Gold from cyanide solutions, Recovering. E. Andreoli .. .. .	9313	1 March.
Gold from dry ore, Apparatus and process for amalgamating and extracting. E. L. Oppermann ..	9328	5 March.
Gold from ore, Extracting. C. Wichmann .. .. .	9335	6 March.
Gold from ore, Process and apparatus for extracting. H. R. Cassel and B. C. Hinman .. .. .	9357	16 March.
Gold from ores, &c., Process for extracting. J. G. Black and R. C. Skeet .. .. .	9648	30 June.
Gold from ores, Process for extracting. J. G. Black and R. C. Skeet .. .. .	9763	9 Aug.
Gold from ores, &c., Process for extracting. A. F. Lundström .. .. .	10049	23 Oct.
Gold from tailings, sludges, &c., Process and apparatus for extracting. F. B. Cronin .. .. .	9877	9 Sept.
Gold in rivers, &c., Saving. C. Wesley .. .. .	9259	8 Feb.
Gold on tables of dredges, Appliance for precipitating. G. H. Oatway .. .. .	10218	13 Dec.
Gold ores, Process for treating. A. Etard .. .. .	9402	22 March.
Gold, quicksilver, or amalgam, Apparatus for saving. P. Johnstone and W. Bush .. .. .	9835	28 Aug.
Gold, Recovering. T. G. Bowick .. .. .	9769	11 Aug.
Gold-saving and self cloth-washing machine. J. Tyson .. .. .	10192	6 Dec.
Gold-saving apparatus. W. Morton .. .. .	9593	31 May.
Gold-saving appliance for dredge. L. H. Reynolds and G. H. Oatway .. .. .	10197	3 Dec.
Gold-saving machine. G. Dunn and J. H. V. H. van Nooten .. .. .	9246	3 Feb.
Gold-saving, Spiral ripple for. W. B. Walters .. .. .	9732	29 July.
Gold-saving table. S. Papprell .. .. .	9805	20 Aug.
Gold-saving table for dredge. C. H. Osmond .. .. .	5758	6 Aug.
Gold, silver, &c., Apparatus for treating tailings, &c., containing. H. R. Brookes, C. G. W. Officer, and J. Jones ..	9581	31 May.
Gold. (See also Amalgamating, Metals, Ore, Pulveriser, Quartz.)		
Goods-marker, Electric meat- and. E. Hardaker and T. A. Petrie .. .. .	9747	12 July.
Governor, Machinery. E. Thunderbolt .. .. .	10157	25 Nov.
Grader, Road-. E. S. McGill .. .. .	10227	17 Dec.
Grading. (See Ore.)		
Grain and seed machinery, Frictional surface for lining. G. Preddy .. .. .	9172	5 Jan.
Grain or seed and manure sowing-drill. I. Sargent .. .. .	9651	7 June.
Grain, Process and apparatus for converting into dough. A. Desgoffe and O. Avedyk .. .. .	9165	4 Jan.
Grain, &c., Roofing or covering stacks of. G. L. Thomson .. .. .	10128	8 Nov.
Grate, Draught-plate for register-. T. Dacombe .. .. .	9614	15 June.
Gravel-elevator, Hydraulic. R. H. Campbell .. .. .	9627	24 June.
Grinder, Self-generating motive-power machine and. J. Piercy .. .. .	9893	12 Feb.
Grinding-rolls. J. L. Kirkbride .. .. .	9760	6 Aug.
Grip. (See Cycle-chain grip, Hat-grip, Wire-grip.)		
Gripper-key, Traction-engine. R. L. Christie .. .. .	9684	12 July.
Grubber, Twitch-. P. Muirhead .. .. .	9825	23 Aug.
Guard. (See Candle-guard, Mud-guard, Tire-guard.)		
Gun, Machine-. E. J. Pennington .. .. .	9422	8 April.
Hack-saw. H. H. Murdoch .. .. .	9487	30 April.
Hair-wash. W. T. Trudgeon .. .. .	9406	6 April.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention and Name of Inventor.	No.	Date.
Halters, Method of manufacturing head-stall. L. and D. McInnes	9456	22 April.
Hame-hook and similar trace-connections. M. McDonald	10117	11 Nov.
Hame-hook for horse-collars. W. Aitken	10196	6 Dec.
Hames and horse-collar combined. J. A. Keith	10088	30 Oct.
Hammering, forging, or swaging metal articles, Machine for. F. G. Myers	9781	22 Oct.'96*
Hammer, Power. E. S. Brett	9889	10 Sept.
Hand-gear for bicycle. W. H. Steenson	10191	2 Dec.
Handle-bar, Bicycle. C. E. T. Gwatkin and T. B. Smith	9427	6 April.
Handle-bar for bicycles, tricycles, &c. P. Clapperton	9547	19 May.
Handle bar for cycle. A. J. Cuming	9671	8 July.
Handle. (See Bat-handle, Bucket-handle, Cycle-handle.)		
Hand signal-lamp. T. Edwards	9798	16 Aug.
Hand signal-lamp. J. Dobbie	9895	6 Sept.
Hanger, Bicycle-crank and. H. S. Grady	10109	10 Nov.
Harbours, canals, &c., Means for preventing accumulations of sand, &c., in. E. Waters	9823	4 March.
Harness-cleaning composition. E. T. Allen	9515	7 May.
Harness-saddle, Pneumatic. E. H. Brown	10147	20 Nov.
Harness-traces, Loop and eye for ends of. C. Anderson	9736	31 July.
Harrowing and ploughing implement combined. A. Alexander and J. Houston	10110	10 Nov.
Harrow. (See Knife-harrow, Tine-harrow)		
Hat-grip. R. H. Charleton	9698	19 July.
Hauling logs, Steam pontoon for. N. Gibbons	9624	16 June.
Hauling- or lifting-block. J. Shepherd	9838	26 Aug.
Hauling timber, &c. Catamaran for. W. W. Pullman	9179	4 Dec.'96.
Hay, wool, &c. Apparatus for compressing. W. H. Herdman	10204	9 Dec.
Headlock for bicycle. H. E. Lawrence	9191	12 Jan.
Headlock for bicycle. H. E. Lawrence	9192	12 Jan.
Headlock for bicycle. A. J. Cuming	9530	15 May.
Headstall-halters, Method of manufacturing. L. and D. McInnes	9456	22 April.
Headstall or bridle. T. Hogan	9728	23 July.
Heater and foot-warmer, Feeding-bottle. G. W., M. E., and H. G. Noy and J. Bennie	10079	6 Sept.
Heater. (See Bath-heater, Milk-heater.)		
Heating and lighting system by means of gas, mineral-oil, &c. P. G. de Schodt	9863	4 Sept.
Heel for boot or shoe. S. Smith	9173	4 Jan.
Heel-tip for boot or shoe. W. Hallett	9780	10 Aug.
Hemorrhoids, Mixture for cure of piles and. H. R. Simeon	10142	17 Nov.
Hernia-truss. R. Richardson	10069	23 Oct.
Hides or skins, Curing. J. W. Scott	9249	4 Feb.
Hinge for gate or door. F. Street	9189	1 Dec.'96.
Hinge. (See Door-hinge, Gate-hinge)		
Hoist. M. S. Campbell	9276	13 Feb.
Holder. (See Candle-holder, Check-book holder, Cigarette-holder, Invoice-form holder, Match-box holder, Milk-pail holder, Pipe-holder, Vehicle-lamp holder.)		
Holdfast for wood framing. J. Mitchell	9409	2 April.
Hollow or cavity walls, Tie for. F. Pritchard	9987	14 Oct.
Home-trainer for cyclist. H. V. Westbury	9589	4 June.
Honeycombing-attachment for sewing-machine. A. Wood, W. Ruxton, and J. Coats, jun.	10221	17 Dec.
Hook-nail for fastening wire. W. Parker	9725	24 July.
Horse-collar. W. C. T. Theobald	9190	11 Jan.
Horse collar. B. Hatfield	9240	4 Dec.'96.
Horse-collar. A. and F. McLeod	9871	18 Aug.
Horse-collar. H. W. Downing and A. E. Wilson	10086	2 Nov.
Horse-collar and hames combined. J. A. Keith	10083	30 Oct.
Horse-collar, Pneumatic. G. E. Grimwood	9727	19 July.
Horse-collar, Pneumatic. G. E. Grimwood	9870	4 Sept.
Horse-collars, Hame-hook for. W. Aitken	10196	6 Dec.
Horse-control, Method of. D. R. S. Galbraith	9834	25 Aug.
Horse-cover. J. McFarlane	9481	29 April.
Horse-cover. C. Anderson	9501	5 May.
Horse-cover. J. H. Marple	9603	12 June.
Horse-cover. F. D. Sayles	10003	18 Oct.
Horse-cover fastener. E. Grave	9604	8 June.
Horse-cover fastenings. C. A. E. Trist	9608	11 June.
Horse-covers, Method of securing. E. H. Brown	9486	29 April.
Horseless carriage. The Anglo-French Motor Carriage Company (Limited)	9309	1 March.
Horse running away with vehicle, Means of preventing. C. J. Gascoigne	9714	23 July.
Horse running away with vehicle, Means of preventing. C. J. Gascoigne	9761	7 Aug.
Horse-shoe. W. G. Clemoe	9395	8 March.
Horse-shoe. W. G. Clemoe	9552	20 May.
Horse and cattle, Drench for. E. P. Baker	9468	6 April.
Horses without bit or curb, Means for controlling and driving. E. R. Wethered	9676	12 July.
Hose-pipe connection, Automatic. C. Eyre	9633	24 June.
Hose-union and coupling. A. H. W. Wedler	9943	30 Sept.
Hot-air apparatus for warming rooms. J. H. Gardner	9719	23 July.
Housekeepers' order tablet. H. J. Weeks	10002	15 Oct.
Hub and bearing for vehicles. A. J. Cuming	9827	23 Aug.
Hubs for velocipede and other wheels, Method of and apparatus for manufacturing. R. Chillingworth	9674	12 July.
Hurdle. A. Cashion	9431	8 April.
Hurdle. F. A. Bremer	9502	7 May.
Hurdle. R. Cameron	9659	23 June.
Hydraulic giant. J. P. Simmons	9843	1 Sept.
Hydraulic gravel-elevator. R. H. Campbell	9627	24 June.
Hydraulic ram. T. Danks	9285	13 Feb.
Hydraulic ram. T. Danks	9469	23 April.
Hydro-carbon or gas engine. J. F. Duryea	9740	2 Aug.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention and Name of Inventor.	No.	Date.
Hydro-carbon or water-gas, Generating. J. and J. Watt .. .. .	9449	20 April.
Igniting dynamite or other blasting material. W. Skeates .. .. .	10206	7 Dec.
Ignition for oil, gas, or internal-combustion engine, Electric. F. Henderson and M. F. N. Bluck	9748	29 July.
Incandescent burner. G. W. Chalmers .. .. .	10037	21 Oct.
Incandescent gas-burner, Support for. W. R. Clay and B. Walmsley .. .. .	10138	18 Nov.
Incandescent gas-light tassel. L. Hooker .. .. .	9707	21 July.
Incandescent light, Burner for use with benzine-gas to produce. P. W. von Gehlen .. .. .	9619	18 June.
Incandescent tassels, mantles, &c., Solution for making. L. Hooker .. .. .	10176	2 Dec.
Incandescing-media for gas-lighting. R. Langhans .. .. .	9209	21 Jan.
Index-cutting and printing machine. W. Corfe .. .. .	9538	19 May.
Indicating form of bicycle suitable for a rider, Apparatus for. A. J. Cuming .. .. .	9851	31 Aug.
Indicating presence of a person in a building, Method of. E. B. and P. A. Vaile .. .. .	9715	20 July.
Indicating. (See Calculating, Cash-registering, Cost-indicating, Dial, Measure-indicating, Reckoning, Totalisator, Weighing.)		
Indicator. (See Number indicator, Office-indicator, Railway-station indicator.)		
Inductive force of matter, Means of utilising. H. Sanche .. .. .	9875	8 Sept.
Infants to walk, Apparatus for teaching. W. Rainbow .. .. .	9282	16 Feb.
Inflammable gas, Process and apparatus for the manufacture of. G. W. Lee, F. Elliott, and G. Tatham	10160	25 Nov.
Inflating tires, Mode of. J. Robertson .. .. .	9327	4 March.
Ink for leather, Burnishing-. E. Hitchings .. .. .	9218	20 Jan.
Insecticide. G. Wilks .. .. .	9206	20 Jan.
Insecticide powder. L. M. Gibson .. .. .	9561	25 May.
Insecticide solution. L. M. Gibson .. .. .	9560	25 May.
Insect-killer, Non-poisonous blight- and. G. H. Hicks .. .. .	9397	27 March.
Inspirator for raising heated water. E. H. Freed .. .. .	9205	12 Dec. '96.
Inspirator for raising heated water. E. H. Freed .. .. .	9403	29 March.
Insulating. (See Boilers, Pipes.)		
Invoice forms, &c., Holder for. C. B. Smith and E. M. Wildey .. .. .	9454	21 April.
Iron- and steel-castings, Annealing. P. D. Murphy .. .. .	9321	1 March.
Iron, Laundry-. J. Coxon .. .. .	9713	22 July.
Iron, Process of melting. E. Waters .. .. .	9549	19 May.
Iron, Process of melting. The Doherty Iron Castings Process (Limited) .. .. .	9630	24 June.
Ironsand for smelting, Chemical process for preparing. A. Coubrough .. .. .	9177	7 Jan.
Ironsand for smelting, Process and apparatus for preparing. A. Coubrough .. .. .	9492	4 May.
Ironsand, Furnace for smelting. A. Coubrough .. .. .	10225	17 Dec.
Ironsand, Process of smelting. A. Coubrough .. .. .	10226	17 Dec.
Jack, Jaw for spear of timber-. H. Priestley .. .. .	9514	6 May.
Jack. (See also Lifting-jack.)		
Jacket, Corset-. G. Weston and W. Gunn .. .. .	9721	26 July.
Jacket, Life-saving. J. Hanna and A. Thomson .. .. .	9532	18 May.
Jar-stopper. Andrews Patent Bottle Lock Stopper Syndicate (Limited) .. .. .	9294	24 Feb.
Jaw for spear of timber-jack. H. Priestley .. .. .	9514	6 May.
Joining drain-pipes. T. Firth .. .. .	9330	6 March.
Joint, Apparatus for making tubular. C. T. Crowden .. .. .	9261	12 Feb.
Joint for metal pipes. G. J. and C. H. Hoskins .. .. .	9771	11 Aug.
Joining mains, pipes, &c., Means of. D. J. R. Duncan .. .. .	9544	19 May.
Joints for cycle-frame. H. Belcher, F. Easom, and F. Westwood .. .. .	10242	23 Dec.
Journal-bearings for railway-carriage. J. R. Baker .. .. .	9699	19 July.
Jug-cover. W. Hyde .. .. .	9846	1 Sept.
Jugs, jam-pots, &c., Cover for. W. C. and G. F. Gee .. .. .	9528	14 May.
Junctions of cycle- and motor-frames, tubing, &c. F. Billing and W. E. Partridge .. .. .	9166	4 Jan.
Kerb and channel for roads, crossings, &c. W. and G. Carder and E. Owen .. .. .	9606	10 June.
Kerosene-pump. W. J. Rawling .. .. .	9377	25 March.
Key, Traction-engine gripper-. R. L. Christie .. .. .	9684	12 July.
Keyless lever-lock for box. T. Johnson and E. E. Kirby .. .. .	10072	1 Nov.
Kidney, stomach, and liver complaints, Medicine for. H. Phillips .. .. .	9751	30 July.
Knife and fork, Bread-. H. J. Reeves .. .. .	10217	15 Dec.
Knife-cleaner. F. E. Dunnett .. .. .	9765	11 Aug.
Knife-cleaner. F. E. Dunnett .. .. .	9840	30 Aug.
Knife-barrow. T. Cochrane .. .. .	9814	21 Aug.
Knife, Pocket-. C. W. Ziele .. .. .	9200	12 Jan.
Label-attaching device. H. J. Wood .. .. .	9735	30 July.
Lace fastener, Boot-. E. L. Evens and A. Bonnin .. .. .	9298	25 Feb.
Label or voucher for guaranteeing authenticity and origin. A. and L. Braly .. .. .	9543	19 May.
Labels from damping-machine, Automatic finger for removing. W. Woodcock .. .. .	9284	17 Feb.
Lamp. (See Candle-lamp, Electric arc-lamp, Gas-lamp, Incandescent electric lamp, Oil-lamp, Signal-lamp, Tallow-lamp, Vehicle-lamp.)		
Lamp- or candle-holder. F. Albrecht .. .. .	9797	16 Aug.
Land-, aerial-, or marine-navigation boat combined. E. L. Clark .. .. .	9962	30 Sept.
Lantern. A. S. Ford .. .. .	9347	19 Feb.
Lantern or lamp, Candle-. A. Bock .. .. .	9642	30 June.
Last. (See Boot-last.)		
Lasting-machine. Consolidated and McKay Lasting Machine Company .. .. .	9854	2 Sept.
Lasting-pliers. D. E. Smith and A. Tyree .. .. .	9637	15 July.
Lasting-pliers, Attachment to. D. E. Smith and A. Tyree .. .. .	9295	16 Feb.
Lasting-pliers or pincers. W. R. Scull .. .. .	9438	9 April.
Laundry-iron. J. Coxon .. .. .	9713	22 July.
Lawn-tennis scoring-machine. F. Wight .. .. .	9248	1 Feb.
Leaching and electrolytic treatment of zinc-ores. E. A. Ashcroft .. .. .	9809	20 Aug.
Leaching ores, Apparatus for. B. Lloyd .. .. .	9905	11 Sept.
Lead of high density, Process for manufacture of white-. T. C. Sanderson .. .. .	9972	8 Oct.
Lead, Treating sulphide ores of. T. Huntington and F. Heberlein .. .. .	9421	8 April.
Lead, &c., Treatment of sulphide ores for separation of zinc from. B. Mohr .. .. .	9710	22 July.
Leather, Burnishing-ink for. E. Hitchings .. .. .	9218	20 Jan.
Leather, Method of and machine for degreasing. G. E. Wright and W. Monk .. .. .	9417	8 April.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention and Name of Inventor.	No.	Date.
Leech, codlin-moth, &c., exterminator. R. A. C. Kerry .. .. .	9980	4 Oct.
Legging-fastening. C. D. Lightband .. .. .	9977	7 Oct.
Letter box, Postal. D. M. Whyte .. .. .	10173	1 Dec.
Letters, figures, and designs for educational purposes. J. Harvey .. .. .	9654	1 July.
Lever-arm for cycle-driving mechanism. W. W. Curties .. .. .	9316	1 March.
Lever-attachment to pliers. G. T. Clarke and T. Summerton, jun. .. .. .	9426	5 April.
Lever for equalising weights in carts and other vehicles, Balance-. T. Goodwin .. .. .	10000	9 Oct.
Lever-lock for box, Keyless. T. Johnson and E. E. Kirby .. .. .	10072	1 Nov.
Lever mechanism for lifting-jacks, wool-presses, &c. F. H. Wrigley .. .. .	9225	25 Jan.
Lid and strainer, Milk-pail with. F. J. Sheppard .. .. .	9913	18 Sept.
Lid, Milk-can. A. P. Schmidt .. .. .	9996	28 Sept.
Life-belt. A. F. W. Goodwill .. .. .	9872	3 Sept.
Life-belt. W. G. Wilson .. .. .	10239	21 Dec.
Life-buoy. A. F. W. Goodwill .. .. .	9872	3 Sept.
Life-saving jacket. J. Hanna and A. Thomson .. .. .	9532	18 May.
Lift for raising sunken vessels, Pneumatic. R. H. J. Hamlin .. .. .	9947	29 Sept.
Lift-pump for mines. T. Tregurtha .. .. .	9712	22 July.
Lifting-jack. A. Burges .. .. .	9703	19 July.
Lifting-jack. J. Hatch .. .. .	10093	4 Nov.
Lifting-jack or wool-press, Lever mechanism for. F. H. Wrigley .. .. .	9225	25 Jan.
Lifting- or hauling-block. J. Shepherd .. .. .	9838	26 Aug.
Lifting sunken vessels, Apparatus for. J. Mackenzie .. .. .	9862	31 Aug.
Light and power purposes, Regenerative electrical battery for. G. G. Turri .. .. .	10091	4 Nov.
Lighting and heating system by means of gas, mineral-oil, &c. P. G. de Schodt .. .. .	9863	4 Sept.
Lighting an incandescent electric lamp, Combined air-pressure turbine and dynamo for. T. G. Howden .. .. .	10046	23 Oct.
Lighting basements and dark rooms, Devices for. J. M. Ewen .. .. .	9864	4 Sept.
Lights and lighting, Basement-. J. M. Ewen .. .. .	10009	19 Oct.
Lights and -tiles, Framing prism-. J. M. Ewen .. .. .	10015	19 Oct.
Lights and prismatic glass, Window-. J. M. Ewen .. .. .	10007	19 Oct.
Lights for windows, Combining ornamental and prism. J. M. Ewen .. .. .	10018	19 Oct.
Lights, Method of mounting paving-tiles and vault. J. M. Ewen .. .. .	10012	19 Oct.
Lights, Prismatic window-. J. M. Ewen .. .. .	10016	19 Oct.
Lights, tile sections, &c., Devices for mechanically framing window-. J. M. Ewen .. .. .	10013	19 Oct.
Light. (See also Acetylene, Burner, Electric, Gas, Incandescent, Lamp, Lantern.)		
Line. (See Clothes-line.)		
Lineal measurement, Apparatus for indicating cost of goods sold by. J. L. Scott and A. Smith .. .. .	9256	4 Feb.
Lineal measurement, Apparatus for indicating cost of goods sold by. R. A. Bradbury .. .. .	9275	13 Feb.
Lining-cramp, Floor- and. W. Reece and C. L. Davies .. .. .	9522	12 May.
Lining-cramp, Floor- and. W. Reece and C. L. Davies .. .. .	9932	25 Sept.
Liquid from bodies mingled with same, Separating. W. A. Koneman and W. H. Hartley .. .. .	9942	30 Sept.
Liquid from solvent-treated slime, sand, &c., Process and apparatus for extracting. T. T. Draper and W. Ryley .. .. .	9878	9 Sept.
Liquids, Apparatus for measuring. J. W. Mitchell and P. Smellie .. .. .	9635	25 June.
Liquids, Centrifugal machine for separating. P. M. Sharples .. .. .	9602	10 June.
Lithographic machine. J. C. Halligan and J. Ferguson .. .. .	10084	9 Nov.
Liver, stomach, or kidney complaints, Medicine for. H. Phillips .. .. .	9751	30 July.
Lock, Combination-. J. Roland .. .. .	9396	16 March.
Lock, Combined window-sash regulator and. C. C. Morris .. .. .	10087	9 Nov.
Lock for box, Keyless lever-. T. Johnson and E. E. Kirby .. .. .	10072	1 Nov.
Lock. (See also Headlock.)		
Locking nuts, Device for. C. Bristow .. .. .	9484	1 May.
Locking nuts on bolts, Means of. A. J. Cuming .. .. .	9500	5 May.
Locomotive- and other steam-engines for fire-extinction, axle-cooling, &c., Means of employing. R. Feasey .. .. .	9753	5 Aug.
Locomotive driving-wheel. P. Z. Davis .. .. .	9390	27 March
Locomotive-engine. J. Whittle .. .. .	9694	17 July.
Locomotive-furnace, Arch for promoting combustion in. A. F. Hack .. .. .	10199	9 Dec.
Looms, Checking mechanism for. J. Berry and G. E. Beaumont .. .. .	9458	22 April.
Loop and eye for ends of harness-traces. C. Anderson .. .. .	9736	31 July.
Lotion. M. Forsman .. .. .	9432	18 March.
Lotion. M. Forsman .. .. .	10256	20 Dec.
Lubricator and wire-rope cleaner. E. W. Lycett .. .. .	9788	13 Aug.
Lubricator, Sight-feed. C. C. Wakefield .. .. .	9641	30 June.
Lug or ear for bucket. W. Dalton .. .. .	9444	14 April.
Luggage-carrier for bicycles, &c. J. Gaut .. .. .	9767	11 Aug.
Machine-gun. E. J. Pennington .. .. .	9422	8 April.
Magnetic motor. W. O. Beere .. .. .	10121	13 Nov.
Mail-bag fastener. M. S. Cody .. .. .	9207	20 Jan.
Mail-bag fastener. G. W. Shailer .. .. .	9216	21 Jan.
Mail-bag fastener. W. H. Carter .. .. .	9957	2 Oct.
Mail-fastening device. A. J. Chapman .. .. .	9214	21 Jan.
Mail-fastening device. A. J. Chapman .. .. .	10246	23 Dec.
Mains, pipes, &c., Means of jointing. D. J. R. Duncan .. .. .	9544	19 May.
Manure and grain or seed-sowing drill. I. Sargent .. .. .	9651	7 June.
Marine, aerial-, or land-navigation boat combined. E. L. Clark .. .. .	9962	30 Sept.
Marine-speed acceleration. W. T. Cowperthwaite and D. R. S. Galbraith .. .. .	9473	6 April.
Marine vessels. F. A. Knapp and G. Goodwin .. .. .	9510	10 May.
Marker. (See Meat-marker, Meat- and goods-marker.)		
Marking carcasses, Apparatus for. J. Smythe .. .. .	9580	31 May.
Marking out cloth for cutting, embroidering, &c. J. Marsden .. .. .	10152	24 Nov.
Marking. (See also Branding.)		
Marriage, Means of recording promise of. E. Sprey .. .. .	9762	22 April.
Match-box and -striker. H. W. Donnelly .. .. .	10230	13 Dec.
Match-box holder. C. Searle and H. Cane .. .. .	10088	4 Nov.
Match-delivering device, tobacco- and cigar-cutter, and indicator combined. T. H. Ross and H. M. Evans .. .. .	9489	3 May.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention and Name of Inventor.	No.	Date.
Machines without phosphorus, Process for manufacturing. J. Craveri .. .. .	9954	2 Oct.
Mat or scraper, Mud-. D. Balneaves .. .. .	9778	31 July.
Mattes, ores, &c., Treating. J. Armstrong .. .. .	9559	22 May.
Mattress or bedstead. J. F. Nunan .. .. .	9743	2 Aug.
Mattress-stuffing machine. E. N. Stephenson .. .. .	9416	8 April.
Mattress, Wire-. F. W. Smith .. .. .	9296	23 Feb.
Measure, pencil, and rubber combined, Tape-. H. R. Jury and J. A. Endean .. .. .	10208	7 Dec.
Measuring and cost-indicating machine. A. Smith .. .. .	9183	9 Jan.
Measuring liquids, Apparatus for. J. W. Mitchell and P. Smellie .. .. .	9635	25 June.
Meat- and goods marker, Electric. E. Hardaker and T. A. Petrie .. .. .	9747	12 July.
Meat, Device for marking. M. and J. A. Belk .. .. .	9384	24 March.
Meat, fish, &c., Preserving. F. Taillefer .. .. .	9656	1 July.
Meat-marker. C. E. Fisher .. .. .	9829	24 Aug.
Meat, Process of and means for freezing and chilling. H. Grono and H. Pateson .. .. .	9786	13 Aug.
Meat, Process in freezing and thawing. G. Aitkens .. .. .	9237	30 Jan.
Medicine for stomach, liver, and kidney complaints. H. Phillips .. .. .	9751	30 July.
Medicine. (See also Lotion, Neuralgia-cure, Toothache-cure, Veterinary mixture.)		
Melting iron, Process of. E. Waters .. .. .	9549	19 May.
Melting iron, Process of. The Doherty Iron Castings Process (Limited) .. .. .	9630	24 June.
Metal articles, Machine for forging, swaging, or hammering. F. G. Myers .. .. .	9781	22 Oct., '96*
Metal for roofing, &c., Treating. G. M. Campbell .. .. .	10067	26 Oct.
Metalliferous slime, sand, &c., Process and apparatus for extracting liquid from solvent-treated. T. T. Draper and W. Ryley .. .. .	9878	9 Sept.
Metals by chlorination, Apparatus for extracting. G. F. Smith .. .. .	9578	31 May.
Metals, Extracting precious. B. Becker .. .. .	9871	23 March.
Metals from cyanide solutions, Precipitating. M. B. Zerener .. .. .	9195	14 Jan.
Metals from cyanide solutions, Recovering. E. Andreoli .. .. .	9313	1 March.
Metals from ore, Apparatus for extracting. Mudros Syndicate (Limited) .. .. .	9768	11 Aug.
Metals from ores, Extracting. F. W. Streatfield .. .. .	9496	6 May.
Metals from ore or sand, Recovering. A. Gutensohn .. .. .	9482	1 May.
Metals from ores, Method of extracting, by means of solvents and electrolysis. C. A. Mulholland and R. M. Cochrane .. .. .	9457	22 April.
Metal shears. J. A. Belk .. .. .	9984	12 Oct.
Metals, Producing incandescing-media from oxide of earth-. R. Langhans .. .. .	9209	21 Jan.
Metals. (See also Gold, Iron, Lead, Ore, Steel, Zinc, &c.)		
Milk- and cream-can. W. Rawlins .. .. .	9936	28 Sept.
Milk-can. D. C. Kee .. .. .	9234	28 Jan.
Milk-can lid. A. P. Schmidt .. .. .	9996	28 Sept.
Milk, Concentrated. W. T. Murray .. .. .	9320	3 March.
Milk-cooler or heater. J. Alexander .. .. .	9224	25 Jan.
Milk, cream, &c., Apparatus for sterilising. P. I. Buaas .. .. .	9437	9 April.
Milking-machine. H. R. W. Hamilton .. .. .	9795	14 Aug.
Milking-machine, Pulsating. H. J. Cunningham .. .. .	9826	23 Aug.
Milking-machine, Pulsator for. H. J. Cunningham .. .. .	9257	6 Feb.
Milk-pail holder. W. Brown and J. P. McMeekin .. .. .	10062	28 Oct.
Milk-pail with lid and strainer. F. J. Sheppard .. .. .	9913	18 Sept.
Milk-receptacles, Detachable strainer for. W. Hitch .. .. .	10167	25 Nov.
Milk-safe. J. Ball .. .. .	10065	27 Oct.
Milk-strainer. J. and G. A. Watson .. .. .	10066	27 Oct.
Milk-straining appliance. T. Barnett .. .. .	10255	29 Dec.
Milk-transit can. R. Worland .. .. .	10040	21 Oct.
Milk, Treating and using in food-stuffs "separated." H. Higgins .. .. .	9445	14 April.
Milk, Vessels for boiling. F. J. Sheppard .. .. .	9914	18 Sept.
Milk. (See also Butter, Churn.)		
Mill for crushing ores, &c., Roller-. H. W. Treloar .. .. .	10096	4 Nov.
Mills, &c., Automatic feeder for ball-. J. L. Kirkbride .. .. .	10052	21 Oct.
Mill. (See also Stamp-mill.)		
Mineral-oil, gas, &c., Lighting and heating system by means of. P. G. de Schodt .. .. .	9863	4 Sept.
Minerals for smelting, &c., Treating. R. F. Strong .. .. .	9922	23 Sept.
Mines, Apparatus for ventilating. S. Devy and E. Morey .. .. .	9708	22 July.
Mines, Lift-pump for. T. Tregurtha .. .. .	9712	22 July.
Mines, &c., Means of supplying air to. E. Sprey .. .. .	10029	18 Oct.
Mines, Method and apparatus for treating air to control gases in. J. D. Williams and L. D. Gibson .. .. .	9401	1 April.
Mines, System of and apparatus for ventilating. R. Schloesser .. .. .	9857	2 Sept.
Mine, Torpedo destroyer. H. G. Bedell .. .. .	9404	5 April.
Mining-pump. W. Jennings and J. A. Wallace .. .. .	9745	2 Aug.
Mining-pump. G. Lansell .. .. .	9920	21 Sept.
Mirror for use on bicycle. H. Symes .. .. .	9355	16 March.
Mixture, Veterinary. C. Dolbel .. .. .	9232	28 Jan.
Mooring, &c., Means for. J. Ritchie .. .. .	10155	19 Nov.
Mosaic floorcloth, and apparatus for manufacturing same. F. Walton .. .. .	9351	12 March.
Motive-power, Generating. C. Guattari .. .. .	9568	25 May.
Motive-power machine and grinder, Self-generating. J. Piercy .. .. .	9393	12 Feb.
Motor. H. W. Simes .. .. .	9868	6 Sept.
Motor. J. A. Belk .. .. .	10122	13 Nov.
Motor- and cycle-frames, Improvements in junctions of. F. Billing and W. E. Partridge .. .. .	9166	4 Jan.
Motor-car, Driving-gear for. T. C. Dennison and R. C. Skeet .. .. .	10042	18 Oct.
Motor or pump, Rotary engine usable as. D. Morgan .. .. .	9550	19 May.
Motor, Rotary engine applicable as a. G. G. M. Hardingham .. .. .	9314	1 March.
Motor. (See also Explosion-motor, Fluid-motor, Magnetic-motor, Rotary-motor, Steam-motor, Power.)		
Motor-vehicle. J. F. Duryea .. .. .	9341	11 March.
Motor-vehicle. J. P. Erie .. .. .	9475	26 April.
Mounting paving-tiles and vault-lights, Method of. J. M. Ewen .. .. .	10012	19 Oct.
Mouthpiece for filtering tobacco-smoke. E. B. and P. A. Vaile .. .. .	9716	20 July.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention and Name of Inventor.	No.	Date.
Mud-climbs for traction-engine, Attaching and detaching. S. Graham .. .. .	9668	6 July.
Mud-guards for bicycles, &c. W. Toogood and B. Smale .. .. .	9831	26 Aug.
Mud-mat or scraper. D. Balneaves .. .. .	9778	31 July.
Multi-furrow plough. J. Myers and G. Gibbins .. .. .	9882	9 Sept.
Nail. G. J. Craven .. .. .	9503	8 May.
Nail for fastening fencing-wire, Hook-. W. Parker.. .. .	9725	24 July.
Nail for securing corrugated iron. J. Greenhill .. .. .	9991	14 Oct.
Nail, Split-. H. Thompson .. .. .	9436	8 April.
Nailing machine, Boot- and shoe-. F. Lee .. .. .	9658	1 July.
Nasal deformity, Appliances for correcting. L. Ray .. .. .	9244	3 Feb.
Netting. (See Wire netting.)		
Neuralgia- or toothache-cure. M. M. Squire .. .. .	10193	6 Dec.
Night-commode or closet. T. Danks .. .. .	9399	29 March.
Night-soil, &c., Process and apparatus for destruction of. H. G. Downton and W. H. Nicholls ..	9884	9 Sept.
Non-refillable bottles. (See Bottles.)		
Noxious matters, night-soil, &c., Process and apparatus for destruction of. H. G. Downton and W. H. Nicholls	9884	9 Sept.
Nozzle, Drip-cup for sprayer-. W. H. Price .. .. .	10070	29 Oct.
Nozzle-fastener. Y. Wah .. .. .	9915	17 Sept.
Nut-locking device. C. Bristow .. .. .	9484	1 May.
Nutritious products from yeast, Manufacturing. J. Goodfellow .. .. .	10223	17 Dec.
Nuts on bolts, Means of locking. A. J. Cuming .. .. .	9500	5 May.
Office-indicator. C. Smith .. .. .	9876	9 Sept.
Oil-cistern or -receptacle. G. Mirfin .. .. .	9290	23 Feb.
Oil-film marine-speed acceleration. W. T. Cowperthwaite and D. R. S. Galbraith .. .. .	9473	6 April.
Oil for sea-calming purposes, Method of applying. W. A. Mercer and D. R. S. Galbraith .. .. .	9912	18 Sept.
Oil, gas, or internal-combustion engine. F. Henderson and M. T. N. Bluck .. .. .	10231	15 Dec.
Oil, gas, or internal-combustion engine, Electric ignition for. F. Henderson and M. T. N. Bluck ..	9748	29 July.
Oil, gas, or internal-combustion engine, Valve-gearing for. F. Henderson and M. T. N. Bluck ..	9749	29 July.
Oil-lamp, Burner for. C. Throckmorton .. .. .	9956	2 Oct.
Oil, Method of purifying fish-. A. J. Cunningham .. .. .	9649	30 June.
Oil- or gas-engine. J. Swan and J. Chisholm. .. .. .	9451	9 April.
Oil- or spirit-engine, Vaporizer for. F. Henderson and M. T. N. Bluck .. .. .	9750	29 July.
Oils and fats, Apparatus for treating. C. G. Hepburn .. .. .	10171	1 Dec.
Oils, Apparatus for refining fats and. J. Davidson and C. G. Hepburn .. .. .	9512	10 May.
Optical toy. G. H. MacSwinney .. .. .	10248	23 Dec.
Orchard-pest exterminator. R. A. C. Kerry .. .. .	9980	4 Oct.
Order-tablet for housekeepers. H. J. Weeks .. .. .	10002	15 Oct.
Ore, Apparatus and process for amalgamating and extracting gold from dry. E. L. Oppermann ..	9823	5 March.
Ore, Apparatus for extracting metals from. Mudros Syndicate (Limited) .. .. .	9768	11 Aug.
Ore, Apparatus for leaching. B. Lloyd .. .. .	9905	11 Sept.
Ore, Apparatus for roasting and drying. P. Argall .. .. .	10102	5 Nov.
Ore, Apparatus for treating complex sulphide. F. Ellershausen .. .. .	9941	30 Sept.
Ore, Cam and cam-shaft for apparatus for reduction of. E. J. Way .. .. .	9208	20 Jan.
Ore-concentrator. O. Blacket .. .. .	9483	1 May.
Ore-concentrator. W. A. Köneman and W. H. Hartley .. .. .	10058	27 Oct.
Ore, Cyanide process of extracting gold from. A. M. Cameron .. .. .	10174	2 Dec.
Ore-dust from stampers, Method of and apparatus for collecting and treating. W. H. Clarke .. ..	9650	30 June.
Ore, Electrolytic and leaching treatment of zinc-. E. A. Ashcroft .. .. .	9809	20 Aug.
Ore, Extracting gold from. C. Wichmann .. .. .	9335	6 March.
Ore, Extracting gold from. H. R. Cassel and B. C. Hinman .. .. .	9857	16 March.
Ore, Extracting metals from. F. W. Stratfield .. .. .	9496	6 May.
Ore for separation of zinc from the lead, &c., Treating sulphide. B. Mohr .. .. .	9710	23 July.
Ore, Means for treating gold- and silver-. J. C. Montgomerie and H. Parkes .. .. .	9643	30 June.
Ore, Method of and apparatus for separating. W. T. Newman .. .. .	9609	14 June.
Ore, Method of extracting metals by means of solvents and electrolysis from. C. A. Mulholland and R. M. Cochrane	9457	22 April.
Ore or sand, Recovering metals from. A. Gutensohn .. .. .	9482	1 May.
Ore, Process for extracting gold from. J. G. Black and R. C. Skeet .. .. .	9648	30 June.
Ore, Process for extracting gold from. J. G. Black and R. C. Skeet .. .. .	9763	9 Aug.
Ore, Process for extracting gold from. A. F. Lundström .. .. .	10049	23 Oct.
Ore, Process for treating gold-. A. Etard .. .. .	9402	22 March.
Ore, Process of and apparatus for extracting gold and silver from. P. Ferguson .. .. .	10025	15 Oct.
Ore, quartz, &c., Apparatus for crushing and grading. J. Wood and W. W. Clark .. .. .	9695	17 July.
Ore-reducing machinery, Automatic feeder for. J. L. Kirkbride .. .. .	10052	21 Oct.
Ore-roasting furnace. W. Scully .. .. .	9280	17 Feb.
Ore-roasting furnace. T. Edwards .. .. .	9777	12 Aug.
Ore-roasting or -calcining furnace. G. A. Richard .. .. .	10245	23 Dec.
Ore, &c., Roller-mill for crushing. H. W. Treloar .. .. .	10096	4 Nov.
Ore, Treating. W. A. Köneman and W. H. Hartley .. .. .	9389	8 April.
Ore, Treating gold- and silver-. The General Gold Extracting Company (Limited) and L. Pelatan	10222	17 Dec.
Ore-sorter. J. Ancel .. .. .	10063	28 Oct.
Ores, tailings, &c., Apparatus for treating. J. Poole .. .. .	9894	10 Sept.
Ore, Stamper battery for pulverising. M. Weber .. .. .	9458	22 April.
Ore, Stamps and stamper-dies for reduction of. H. H. Adams .. .. .	9813	17 Aug.
Ore-treating, and furnace therefor. J. Armstrong .. .. .	9559	22 May.
Ore, Treating complex sulphide. F. Ellershausen .. .. .	9586	3 June.
Ore, Treating sulphurous. Société Anonyme de Traitement de l'Or Combiné (Procédé Body) .. ..	9686	16 July.
Ores of lead, Treating sulphide. T. Huntington and F. Heberlein .. .. .	9421	8 April.
Ores. (See also Amalgamator, Concentrator, Gold, Metals, Minerals.)		
Ornamental and prism lights for windows, Combining. J. M. Ewen .. .. .	10018	19 Oct.
Oven. T. Hitchen .. .. .	9803	18 Aug.
Oven, Boiler for use with colonial. G. Gilbert .. .. .	10099	8 Oct.
Oven or stove, Shutting off heat from. A. T. Lang .. .. .	10090	4 Nov.
Overcoat. H. M. Levinge .. .. .	10212	13 Dec.
Oxides of earth-metals and incandescing-media, Producing. R. Langhans .. .. .	9029	21 Jan.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention and Name of Inventor.	No.	Date.
Pail holder, Milk-. W. Brown and J. P. McMeekin .. .. .	10062	28 Oct.
Pail with lid and strainer, Milk-. F. J. Sheppard .. .. .	9913	18 Sept.
Paint, and mode of applying same, Enamel-. C. L. Garland and A. Ogden .. .. .	9511	10 May.
Paint, Damp-resisting. A. L. Potter .. .. .	9415	8 April.
Pan, Amalgamating-. E. H. T. Plant and S. Dellow .. .. .	9711	22 July.
Pan or -table, Soldering- or brazing-. Elkington and Co. (Limited) .. .. .	9203	19 Jan.
Pan, steam-generator, and furnace combined, Heating-, evaporating-, or preserving-. J. T. Johns, J. H. Fleming, and G. W. Basley .. .. .	9818	20 Aug.
Paper bag. R. Jack .. .. .	9229	27 Jan.
Paper bags, Device for opening mouths of. R. Jack .. .. .	9414	8 April.
Pastry from burning while cooking, Saving. A. Hamann .. .. .	9554	15 April.
Patterns, Method of and apparatus for drafting garment-. E. J. Curran .. .. .	9277	17 Feb.
Paving-tiles and vault-lights, Method of mounting. J. M. Ewen .. .. .	10012	19 Oct.
Pedal attachment, Bicycle-. F. M. Drewitt and A. C. Hullett .. .. .	9288	3 Feb.
Pedal, Bicycle-. F. M. Drewitt and A. C. Hullett .. .. .	9281	15 Feb.
Pedal-crank for velocipede. J. P. Faulds, J. Dickinson, and G. E. Beaumont .. .. .	9345	13 March.
Pedal-crank for velocipede. G. E. Beaumont, and J. and W. Dickinson .. .. .	9644	30 June.
Pedal for cycles. W. H. Boyens and J. F. Best .. .. .	9615	17 June.
Pedal, Means of connecting cyclists' shoe to. S. Macdonald and L. S. Harrison .. .. .	9564	21 May.
Pedal mechanism for propelling bicycles. W. S. Sharpneck .. .. .	9625	19 June.
Pedals of cycles, Device for attaching riders' feet to. H. Thompson .. .. .	9861	2 Sept.
Peeler, Potato-. G. J. A. Leslie and W. D. Kenealy .. .. .	10150	18 Nov.
Peg. (See Clothes-peg.)		
Pencil, rubber, and tape measure combined. J. A. Endean and H. R. Jury .. .. .	10208	7 Dec.
Perambulator-brake. J. and E. J. Wren .. .. .	9573	25 May.
Pest exterminator, Orchard-. R. A. C. Kerry .. .. .	9980	4 Oct.
Phonographic records, Machine for reproducing. F. W. Baynes and R. S. Dalton .. .. .	9265	12 Feb.
Phormium tenax. (See Flax.)		
Phosphorus, Process for manufacturing matches without. J. Craveri .. .. .	9954	2 Oct.
Photographic camera. E. P. Schoenfelder and E. Kehle .. .. .	9193	14 Jan.
Photographic rocker and washer. J. Gordon-Jones .. .. .	9917	21 Sept.
Photographs, Method of colouring. J. H. Brown .. .. .	9221	23 Jan.
Photographs. (See also Bas-relief photographs.)		
Picking fruit, Apparatus for. J. Hogg .. .. .	10106	14 Oct.
Pickling sauce. M. T. J. Kavanagh, D. G. Stephens, and J. M. Sheppard .. .. .	9428	27 March.
Picture-frames, Clamp for making. J. B. Gould .. .. .	10183	4 Dec.
Pictures, Apparatus for viewing stereoscopic. T. C. Porter .. .. .	9742	2 Aug.
Pigments, Manufacturing zinc. W. Hampe .. .. .	9498	5 May.
Piles and hemorrhoids, Mixture for cure of. H. S. Simeon .. .. .	10142	17 Nov.
Pinchers, or -pliers, Lasting-. W. R. Scull .. .. .	9438	9 April.
Pipe, Absorbent plug for tobacco-. K. S. Begg .. .. .	9588	4 June.
Pipe connection, Automatic hose-. C. Eyre .. .. .	9633	24 June.
Pipe for artesian well, Shoe for bottom of. J. Osborne .. .. .	9897	8 Sept.
Pipe- or cigarette-holder. R. C. W. Horsley .. .. .	9605	8 June.
Pipe, Tobacco-. J. Taylor .. .. .	9990	14 Oct.
Pipe, Tobacco-. W. H. Burton and R. W. de Montalk .. .. .	10044	23 Sept.
Pipes, boilers, &c., Composition for covering steam-. J. W. Taylor and J. Mather .. .. .	10215	5 Dec.
Pipes, Joining drain-. T. Firth .. .. .	9330	6 March.
Pipes, Joint for metal. G. J. and C. H. Hoskins .. .. .	9771	11 Aug.
Pipes, Machine for forming dove-tail edges for rivetless. M. Ferguson .. .. .	10114	11 Nov.
Pipes, Machine for closing the locking-bar used in construction of rivetless. M. Ferguson .. .. .	10115	11 Nov.
Plant-protector. C. J. Sanderson and G. P. Hilton .. .. .	9812	4 Aug.
Plant-protector. E. S. Bayley .. .. .	10041	19 Oct.
Plates, Prismatic window-. J. M. Ewen .. .. .	10014	19 Oct.
Platform for aerial tramway-system, Automatic loading-. G. B. Beers and D. G. MacDonnell .. .. .	9267	10 Feb.
Pliers, Attachment to lasting-. D. E. Smith and A. Tyree .. .. .	9295	16 Feb.
Pliers, Lasting-. D. E. Smith and A. Tyree .. .. .	9687	15 July.
Pliers, Lever-attachment to. G. T. Clarke and T. Summerton, jun. .. .. .	9426	5 April.
Pliers or -pinchers, Lasting-. W. R. Scull .. .. .	9438	9 April.
Plough. R. Hornsby and Sons (Limited) .. .. .	9315	1 March.
Plough. J. Brown .. .. .	9513	10 May.
Plough. W. Davidson .. .. .	9634	25 June.
Plough. H. S. D. Homes .. .. .	9903	20 Aug.
Plough, Apparatus for steering multi-furrow. T. Quinlivan .. .. .	9986	14 Oct.
Plough, Skeith-carrying attachment for. D. Brisbane .. .. .	10130	12 Nov.
Ploughing and harrowing implement combined. A. Alexander and J. Houston .. .. .	10110	10 Nov.
Plough, Rotary subsoiler skeith-attachment to. T. Hawke .. .. .	9617	15 June.
Plough, Skeith and skim-coulter attachment to. W. K. Elder .. .. .	9820	21 Aug.
Plough, Skeith-attachment for. W. A. Mann .. .. .	9717	20 July.
Plough-wheel, Ball-bearing. G. Bristow .. .. .	9755	3 Aug.
Plough. (See also Drain-plough, Disc-plough, Multi-furrow plough, Sulky-plough.)		
Plough-wheels, &c., Axle-box for. W. Jolly .. .. .	9584	3 June.
Plough-wheels, disc-coulter, &c., Axle and box for. J. Cockerell and R. H. Harper .. .. .	9545	19 May.
Plug, Drain-plough. A. Russell .. .. .	10045	19 Oct.
Plug for tobacco-pipe, Absorbent. K. S. Begg .. .. .	9588	4 June.
Pneumatic power-accumulator. D. L. Turner .. .. .	9524	15 May.
Pneumatic tire. (See Tire.)		
Pocket-knife. C. W. Ziele .. .. .	9200	12 Jan.
Poison, Appliance for laying rabbit-. H. H. Growden .. .. .	9485	7 April.
Poison, Boot-attachment for cutting sods for laying rabbit-. C. Johns .. .. .	9293	23 Feb.
Poison-antidote. F. V. Ross .. .. .	9823	16 Aug.
Portière-rods. J. Aitchison .. .. .	9623	18 June.
Postal letter-box. D. M. Whyte .. .. .	10173	1 Dec.
Pontoon, Steam-. N. Gibbons .. .. .	9624	16 June.
Posts, Tool for boring holes in ground for. D. J. Heenan .. .. .	10146	22 Nov.
Post. (See also Fencing-post.)		

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention and Name of Inventor.	No.	Date.
Pot-cleaner. H. D. A. Reynolds .. .. .	9378	26 March.
Potato-digger. H. Cave .. .. .	9274	12 Feb.
Potato-peeler. G. J. A. Leslie and W. D. Kenealy .. .. .	10150	18 Nov.
Pot, Rose for watering. J. W. Wade .. .. .	10163	26 Nov.
Pot, Tea-urn and tea. C. C. Morris .. .. .	9360	3 March.
Powder, Blasting. W. E. Hughes .. .. .	10059	27 Oct.
Powder ejector, Toilet. J. J. Charlton and J. H. Kay .. .. .	9197	14 Jan.
Power-accumulator, Pneumatic. D. L. Turner .. .. .	9524	15 May.
Power, Apparatus for obtaining. J. Maitland .. .. .	9881	9 Sept.
Power, Generating motive. C. Guattari .. .. .	9568	25 May.
Power-hammer. E. S. Brett .. .. .	9889	10 Sept.
Power purposes, Regenerative electrical battery for light and .. .. .	10091	4 Nov.
Power. (See also Engines, Motors, &c.)		
Precipitating apparatus and furnace for recovering gold from charcoal, &c. J. Turnbull .. .. .	10095	4 Nov.
Precipitating-box, Electrolytic. P. Ferguson .. .. .	10023	15 Oct.
Precipitating gold on tables of dredges, Appliance for. G. H. Oatway .. .. .	10218	13 Dec.
Precipitation. (See also Gold, Metals, Ores.)		
Preservation of organic matters, and apparatus for use therein. J. J. Hazard .. .. .	10030	21 Oct.
Preservative, Egg. G. H. Buckeridge, P. Marks, and C. F. Cork .. .. .	9865	6 Sept.
Preservative material for protecting food-substances. E. May .. .. .	9622	18 June.
Preserving apparatus. J. M. Smart .. .. .	9465	22 April.
Preserving apparatus and process. J. M. Smart .. .. .	9464	22 April.
Preserving articles of food, Composition for. E. May .. .. .	9621	18 June.
Preserving fruit, eggs, &c., Method of. J. A. Parker .. .. .	9574	29 May.
Preserving hides or skins. J. W. Scott .. .. .	9249	4 Feb.
Preserving meat, fish, &c. F. Taillefer .. .. .	9656	1 July.
Preserving-pan, steam-generator, and furnace combined. J. T. Johns, J. H. Fleming, and G. W. Basley .. .. .	9818	20 Aug.
Press. J. H. Angas .. .. .	9631	24 June.
Press, Relief-colour stamping- or embossing. J. C. Swallow .. .. .	10092	4 Nov.
Press. (See also Wool-press.)		
Printing and cutting mechanism for box-making machines. The American Tobacco Company of New Zealand (Limited) .. .. .	9774	11 Aug.
Printing apparatus, Duplicate. A. T. Ashwell .. .. .	10054	27 Oct.
Printing-attachment for calculating-machine. A. T. Ashwell .. .. .	10055	27 Oct.
Printing circulars, &c., Roller typographer for. A. Johnston .. .. .	9652	31 July.
Printing cylindrical objects, Machine for. Maskinforretningen Interessentskabet Daawrud .. .. .	9264	12 Feb.
Printing-machine, Colour. V. Turati .. .. .	9629	24 June.
Printing-machine, Index-cutting and. W. Corfe .. .. .	9538	19 May.
Prismatic canopy for window. J. M. Ewen .. .. .	10017	19 Oct.
Prismatic glass, Vault- and canopy-lights and. J. M. Ewen .. .. .	10008	19 Oct.
Prismatic glass, Window-lights and. J. M. Ewen .. .. .	10007	19 Oct.
Prismatic window-lights. J. M. Ewen .. .. .	10016	19 Oct.
Prismatic window-plates. J. M. Ewen .. .. .	10014	19 Oct.
Prism lights and -tiles, Framing. J. M. Ewen .. .. .	10015	19 Oct.
Prism lights for windows, Combining ornamental and. J. M. Ewen .. .. .	10018	19 Oct.
Prisms for windows. J. M. Ewen .. .. .	10019	19 Oct.
Projectile. E. Cowles .. .. .	9271	13 Feb.
Promise of marriage, Means of recording. E. Sprey .. .. .	9762	22 April.
Propelling mechanism. (See Bicycle propelling-gear, Cycle-propelling mechanism, Screw-propeller, Ship- and boat-propeller, Surface-propeller.)		
Propelling vehicles, Means for. A. J. Cuming .. .. .	10190	2 Dec.
Propelling vehicles, Method of and mechanism for. H. Symes .. .. .	9413	7 April.
Prop-head, Clothes-line. W. H. B. Miller .. .. .	10125	15 Nov.
Propulsion, Apparatus for electric. C. P. F. Clerc and A. G. Pingault .. .. .	9386	27 March.
Prospecting-dish. W. G. Collins .. .. .	10126	10 Nov.
Protector. (See Boot- or shoe-protector, Plant-protector.)		
Pulley, Split. H. Wilson and T. Mant .. .. .	10210	10 Dec.
Pulsating milking-machine. H. J. Cunnington .. .. .	9826	23 Aug.
Pulsator for milking-machine. H. J. Cunnington .. .. .	9257	6 Feb.
Pulveriser. P. Ferguson .. .. .	10022	15 Oct.
Pulverising apparatus. W. A. Kōneman and W. H. Hartley .. .. .	10179	3 Dec.
Pulverising-machine, Rotary. E. M. Brissenden and J. S. Lane .. .. .	9883	9 Sept.
Pulverising. (See also Crushing, Grinding, Ore, Stamper battery.)		
Pump or motor, Rotary engine usable as. D. Morgan .. .. .	9550	19 May.
Pump, Rotary engine applicable as a. G. G. M. Hardingham .. .. .	9814	1 March.
Pump. (See also Centrifugal pump, Cycle-tire pump, Double-acting pump, Hand-pump, Lift-pump, Mining-pump, Refrigerating compression-pump, Rotary-pump, Spray-pump.)		
Pump to end of cask, Appliance for connecting. G. W. Sturgess .. .. .	10139	15 Nov.
Puncture in pneumatic tire, Appliance for locating. R. J. Scofield .. .. .	9211	21 Jan.
Puncture of pneumatic tires, Means of preventing. A. J. Cuming .. .. .	9452	15 April.
Puncture-proof, Method and composition for making pneumatic tires. P. J. Winch and J. T. Snell .. .. .	9672	12 July.
Puncture-resisting shield for pneumatic tire. A. Manvers, M. Fink, and H. A. D. Sheppard .. .. .	9325	4 March.
Punctures in pneumatic tire, Means for automatically closing. J. J. Shannessy .. .. .	9253	5 Feb.
Punctures in pneumatic tires, Repairing. M. E. Barton .. .. .	9433	6 April.
Punt, Self-discharging. (See Silt-punt.)		
Purifying fish-oil, Method of. A. J. Cunningham .. .. .	9649	30 June.
Puzzle. F. S. Yates .. .. .	9369	22 March.
Quartz, ore, &c., Apparatus for crushing and grading. J. Wood and W. W. Clark .. .. .	9695	17 July.
Quartz, ores, &c., Roller-mill for crushing and grading. H. W. Treloar .. .. .	10096	4 Nov.
Quicksilver, amalgam, or gold, Appartus for saving. P. Johnstone and W. Bush .. .. .	9835	28 Aug.
Rabbit-burrows, &c., Apparatus for generating and forcing fumes into. J. Butel, jun. .. .. .	9358	14 March.
Rabbit-poison, Appliance for laying. H. H. Growden .. .. .	9485	7 April.
Rabbit poison, Boot-attachment for cutting sods for laying. C. Johns .. .. .	9293	23 Feb.
Rabbit trap. J. Dougherty .. .. .	9318	25 Feb.



ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention and Name of Inventor.	No.	Date.
Rabbit-trap. H. O'Neill .. .. .	9424	8 April.
Rabbit-trap. W. Campbell and J. P. Elliot .. .. .	9966	7 Oct.
Rabbits, Destroying. T. and G. H. Kingston .. .. .	9526	15 May.
Rabbits, Export case or crate for. A. Hart and G. E. Andrew .. .. .	9876	25 March.
Rabbits, hares, &c., Crate for export of. A. S. Juniper .. .. .	10219	17 Dec.
Rabbits, Means for destroying. H. Weatherall .. .. .	10216	15 Dec.
Race-starting machine. J. Rose .. .. .	9480	26 April.
Racing or exercising machine, Cycle-. G. J. Bones and L. H. Hart .. .. .	9955	2 Oct.
Rack and -stretcher, Trouser-. D. Munro .. .. .	9556	18 May.
"Radiscope, X-." J. Hartt and G. O. Duncan .. .. .	10244	23 Dec.
Rails, Fastening ends of railway-. J. Lucas, sen., and J. Lucas, jun. .. .. .	9262	12 Feb.
Rail-joint. D. J. T. Creech .. .. .	9929	25 Sept.
Railway-brakes, Triple valves for pneumatic. A. Kapteyn .. .. .	10220	17 Dec.
Railway-car coupling. H. J. Marks .. .. .	9535	19 May.
Railway-carriage journal-bearings. J. R. Baker .. .. .	9699	19 July.
Railway-crossing electric alarm. J. Ferguson .. .. .	10097	2 Nov.
Railway-fishplate. H. Hill .. .. .	9479	5 April.
Railway-rails, Method of fastening ends of. J. Lucas, sen., and J. Lucas, jun. .. .. .	9262	12 Feb.
Railway-signals. C. J. E. Linnemann .. .. .	9999	4 Oct.
Railway-sleepers, fencing-posts, &c., Process of and composition for manufacturing. E. Walker and J. A. Henderson .. .. .	9235	28 Jan.
Railway station indicator. W. C. and H. M. Dennes .. .. .	9866	6 Sept.
Railway time-table. F. S. Stephen and J. Whyte .. .. .	9833	27 Aug.
Railway-waggon or -truck. J. Colvin .. .. .	9551	15 May.
Raising water, Means of. M. C. Healy .. .. .	9953	2 Oct.
Ram. (See Hydraulic ram.)		
Range, Boiler for kitchen-. R. E. Green .. .. .	10104	4 Nov.
Range, Cooking-. J. F. Ford .. .. .	9533	22 Sept.'96
Range-firing, Self-marking electric target for. W. Harris .. .. .	9598	4 June.
Rat-trap. H. E. Nightingale and F. H. Jackson .. .. .	9504	7 May.
Ready-reckoner. M. Belk .. .. .	9260	11 Feb.
Ready-reckoner, Attachment for affixing cylinders for. M. Belk .. .. .	9688	14 July.
Reaper and -binder, Elevator frame for. A. Orr and J. Ure .. .. .	9874	8 Sept.
Reaper and -binder, Rotary divider for. T. Bassett and J. K. Mawson .. .. .	9824	23 Aug.
Receiver, Telegraphic. A. Piedfort .. .. .	9196	14 Jan.
Reckoner. (See Calculating, Cash-registering, Enumerator, Indicating, Ready-reckoner, Registering, Totalisator, Weighing.)		
Recording and registering votes at elections, Apparatus for. W. A. Ellis .. .. .	10200	9 Dec.
Record-strips for type-forming machine, Machine for preparing. Lanston Monotype Machine Company .. .. .	10005	18 Oct.
Reel or bobbin for thread, &c. L. R. Taylor .. .. .	9385	27 March.
Refining fats and oils, Apparatus for. J. Davidson and C. G. Hepburn .. .. .	9512	10 May.
Refrigerating and freezing apparatus. W. Nelson .. .. .	10170	26 Nov.
Refrigerating purposes, Compression pump for. J. Budge .. .. .	9575	25 May.
Registering and recording votes at elections, Apparatus for. W. A. Ellis .. .. .	10200	9 Dec.
Registering, cost-indicating, and weight-totalling apparatus for weighing-machine. W. L. D. and W. H. Gundry .. .. .	9847	27 Aug.
Registering votes at elections, Apparatus for. W. Andrews, F. H. Schoeneberg, and J. Bruce .. .. .	10233	20 Dec.
Releasing-tackle, Safety. D. L. Turner .. .. .	9525	15 May.
Renovating and cleaning fabrics, Composition for. C. Baldwin .. .. .	9180	19 Nov.'96.
Respirator for use in dry crushing, &c. H. F. Way .. .. .	9968	30 Aug.
Revolving screw-attachment for signal-lamp. S. P. Evans .. .. .	9859	30 Aug.
Ridger. (See Disc-ridger.)		
Ripple for gold-saving, Spiral. W. B. Walters .. .. .	9732	29 July.
Rivers, Apparatus for changing courses and conserving banks of. J. C. Vincent and R. Cobb .. .. .	10033	21 Oct.
Rivers, Means of conserving. S. Manning and T. G. Russell .. .. .	9979	8 Oct.
Rivers, Saving gold in. C. Wesley .. .. .	9259	8 Feb.
Rivetless pipes, Machine for forming dovetail-edges for. M. Ferguson .. .. .	10114	11 Nov.
Rivetless pipes, Machine for closing the locking-bar used in construction of. M. Ferguson .. .. .	10115	11 Nov.
Road-grader. E. S. McGill .. .. .	10227	17 Dec.
Roasting and drying ores, Apparatus for. P. Argall .. .. .	10102	5 Nov.
Roasting or -calcining furnace, Ore-. G. A. Richard .. .. .	10245	23 Dec.
Rock, Apparatus for drilling, excavating, and breaking up submarine. R. M. Scott and A. Goodsir .. .. .	10116	11 Nov.
Rock-drill. S. P. Blackmore, R. O. G. Drummond, and E. J. Way .. .. .	9245	3 Feb.
Rock-drills, Machine for cutting and sharpening. F. G. Myers .. .. .	9782	22 Oct.'96*
Rock-drills, Machine for forging and sharpening. F. G. Myers .. .. .	9783	22 Oct.'96*
Rock-drills, Machine for forging and sharpening. S. P. Quick .. .. .	9798	14 Aug.
Rocker and washer, Photographic. J. Gordon-Jones .. .. .	9917	21 Sept.
Rod for bicycle-crank, Extension-. W. H. Landells and H. Zander .. .. .	9731	27 July.
Rod for cycles, Connecting-. O. K. Pez .. .. .	9657	28 June.
Rods, Portière-. J. Aitchison .. .. .	9623	18 June.
Roller, Field-. J. Storrier .. .. .	10047	8 Oct.
Roller-mill for crushing ores, &c. H. W. Treloar .. .. .	10096	4 Nov.
Roller-tooth variable gear. T. Foster .. .. .	9836	28 July.
Rolls, Automatic feeder for crushing-. J. L. Kirkbride .. .. .	10052	21 Oct.
Rolls, Crushing-. J. L. Kirkbride .. .. .	9760	6 Aug.
Roofing, &c., Treating metal for. G. M. Campbell .. .. .	10067	26 Oct.
Roofing or covering stacks of grain, &c. G. L. Thomson .. .. .	10128	8 Nov.
Rooms and basements, Devices for lighting. J. M. Ewen .. .. .	9864	4 Sept.
Rooms, Hot-air apparatus for warming. J. H. Gardner .. .. .	9719	23 July.
Root-uptifter, tauhinu, or scrub-puller. W. S. Dudson .. .. .	10202	9 Dec.
Rope cleaner and lubricator, Wire-. E. W. Lycett .. .. .	9788	13 Aug.
Rope- or cord-fastener. H. Gorell .. .. .	10207	7 Dec.
Rose for watering-pot. J. W. Wade .. .. .	10163	26 Nov.
Rotary divider for reaper-and-binder. T. Bassett and J. K. Mawson .. .. .	9824	23 Aug.
Rotary engine. G. G. M. Hardingham .. .. .	9814	1 March,

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention and Name of Inventor.	No.	Date.
Rotary engine. W. Norgrove .. .. .	9324	4 March.
Rotary engine. E. B. Tree and R. H. Eldon .. .. .	9595	13 Aug.
Rotary engine. W. H. Burton and E. Bond .. .. .	9678	8 July.
Rotary engine. C. A. Ingraham .. .. .	10048	23 Oct.
Rotary engine. W. S. Colwell .. .. .	10161	25 Nov.
Rotary engine usable as pump or motor. D. Morgan .. .. .	9550	19 May.
Rotary machine. G. B. Shepard .. .. .	9739	2 Aug.
Rotary motor. C. F. C. Lohmann .. .. .	9612	16 June.
Rotary motor or pump. The Anglo-French Motor Carriage Company (Limited) .. .. .	9252	5 Feb.
Rotary pulverising-machine. E. M. Brissenden and J. S. Lane .. .. .	9883	9 Sept.
Rotary steam-engine. C. A. Bäckström .. .. .	9254	5 Feb.
Roundabout, Cycle. D. Burrell and E. Curtis .. .. .	9880	9 Sept.
Rubber, pencil, and tape measure combined. H. R. Jury and J. A. Eudean .. .. .	10208	7 Dec.
Rudder for auxiliary-screw vessel. G. McKenzie and H. P. Norton .. .. .	9907	9 Sept.
Rugs, coseys, &c., Method of making flax-. J. C. Corbett .. .. .	10119	13 Nov.
Ruler and blotter combined. D. E. Blacke .. .. .	10133	12 Nov.
"Runaways," Means of preventing. C. J. Gascoigne .. .. .	9714	23 July.
Sack-elevator. J. Acton .. .. .	9439	12 April.
Sacks and bags, Device for distending mouths of. G. Aitkens, H. P. H. Graves, and F. B. Farmar .. .. .	9567	26 May.
Sacks or bags, Appliance for distending mouths of. G. Aitkens and H. Graves .. .. .	9517	12 May.
Saddle attachment, Cradle and rocker bicycle-. F. St. John .. .. .	9490	29 April.
Saddle, Cart or spring-dray. T. Hogan .. .. .	9930	25 Sept.
Saddle-cloth. P. Smith .. .. .	10143	19 Nov.
Saddle or seat for bicycle. C. S. Drummond .. .. .	9478	28 April.
Saddle or seat, Supporting bicycle or other. F. C. Esmond .. .. .	9354	13 March.
Saddle, Pneumatic harness-. E. H. Brown .. .. .	10147	20 Nov.
Saddle. (See also Seat.)		
Safe, Milk-. J. Ball .. .. .	10065	27 Oct.
Sand, &c., in canals, harbours, &c., Means of preventing accumulations of. E. Waters .. .. .	9323	4 March.
Sanitary closet. T. Danks .. .. .	9399	29 March.
Sash and -frame, Window-. J. Sandlant.. .. .	9746	3 Aug.
Sash-fastener. (See Window-sash fastener.)		
Sash regulator and lock combined, Window-. C. C. Morris .. .. .	10087	3 Nov.
Sashes, Method and apparatus for hanging window-. W. J. H. Richards .. .. .	9817	24 Aug.
Sauce. M. T. J. Kavanagh, D. G. Stephens, and J. M. Sheppard .. .. .	9428	27 March.
Saucer. L. M. Hare .. .. .	10186	12 Oct.
Saving gold. (See gold.)		
Saw-frame, Lateral and vertical. E. L. Clark .. .. .	9969	1 Oct.
Saw, Hack-. H. H. Murdoch .. .. .	9487	30 April.
Scales, Affixing cylinders for ready-reckoner attachable to spring-balance. M. Belk .. .. .	9688	14 July.
Scales, Dial for weight- and cost-indicating. H. J. Wood .. .. .	9808	18 Aug.
Scoop and -cart, Combined earth-. W. Henry .. .. .	9303	24 Feb.
Scoring-machine, Lawn-tennis. F. Wight .. .. .	9248	1 Feb.
Scouring wool. (See Wool.)		
Scraper or mat, Mud-. D. Balneaves .. .. .	9778	31 July.
Screen dust-collector for quartz crushing batteries, &c. M. Bate .. .. .	9640	24 June.
Screen. (See Fly-screen, Washtub-screen, Window-screen.)		
Screw-attachment for signal-lamp, Revolving. S. P. Evans .. .. .	9859	30 Aug.
Screw propeller blade. E. Baggström, W. P. Guthridge, and A. E. Langley .. .. .	9373	20 March.
Scrub-puller, root-uplifter, or taubinu. W. S. Dudson .. .. .	10202	9 Dec.
Scutcher, Fibre-. W. Toogood .. .. .	9188	12 Jan.
Sea-calming purposes, Method of applying oil for. W. A. Mercer and D. R. S. Galbraith .. .. .	9912	18 Sept.
Seat-fastener for gig- and cart-seats. F. H. and H. R. Steel .. .. .	9995	15 Oct.
Seat for bicycle. H. A. Christy .. .. .	9787	13 Aug.
Seat or saddle for bicycles, &c. C. S. Drummond .. .. .	9478	28 April.
Seat-support for bicycles, &c. E. C. Martin .. .. .	9368	18 March.
Seat. (See also Saddle.)		
Secondary battery. J. Vaughan Sherrin and H. E. Sherrin .. .. .	9785	13 Aug.
Seed-drill, Combined cultivator and. C. McLeod .. .. .	9215	21 Jan.
Seed-drills, &c., Feed for. H. E. MacDonald .. .. .	9339	10 March.
Seed machinery, Frictional surface for lining grain and. G. Preddy .. .. .	9172	5 Jan.
Seed- or grain- and manure-sowing drill. I. Sargent .. .. .	9651	7 June.
Self-cleaning, smoke-consuming, steam and hot-air utilising tube-engine. C. L. Clarke .. .. .	10026	15 Oct.
Self-generating motive-power machine and grinder. J. Piercy .. .. .	9393	12 Feb.
Self-propelling vehicle. The Anglo-French Motor-carriage Company (Limited) .. .. .	9251	5 Feb.
Separating liquid from bodies mingled with same. W. A. Köneman and W. H. Hartley .. .. .	9942	30 Sept.
Separating liquids, Centrifugal machine for. P. M. Sharples .. .. .	9602	10 June.
Separating ores, Method of and apparatus for. W. T. Newman .. .. .	9609	14 June.
Separating slime or gas from bodies containing same. W. A. Köneman .. .. .	9187	11 Jan.
Separator or amalgamator. C. L. Garland and J. and S. E. Murray .. .. .	9632	24 June.
Settling-vat, Agitating- and. P. Ferguson .. .. .	10024	15 Oct.
Sewage, Apparatus for treating. J. Poole .. .. .	9894	10 Sept.
Sewage, Apparatus for treating. D. Cameron, F. J. Commin, and A. J. Martin .. .. .	9420	8 April.
Sewage, Treating. D. Cameron, F. J. Commin, and A. J. Martin .. .. .	9419	8 April.
Sewer-trap. T. Waterworth .. .. .	9645	30 June.
Sewing-machine. A. Legg and C. W. Weston .. .. .	9312	1 March.
Sewing-machine, Honeycombing-attachment for. A. Wood, W. Ruxton, and J. Coats, jun. .. .. .	10221	17 Dec.
Sewing-machine, Folding seat for. G. Hamlin .. .. .	9935	28 Sept.
Shafts, Means for securing cams upon. E. A. Blanton .. .. .	9585	3 June.
Shaft-tug for vehicle. F. O. Skelton .. .. .	9356	16 March.
Shaft-tug for vehicle. J. Robinson .. .. .	9536	17 May.
Shaft-tug for vehicle. P. O'Connell .. .. .	9730	26 July.
Shares to cultivators, Attachment for fixing. J. T. Allsop .. .. .	9467	22 April.
Sharpening and cutting rock-drills, Machine for. F. G. Myers .. .. .	9782	22 Oct. '96*
Sharpening and forging rock-drills, Machine for. F. G. Myers .. .. .	9783	22 Oct. '96*

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention and Name of Inventor.	No.	Date.
Sharpening blades of chaff-cutter, Machine for. T. Dawson .. ..	9896	8 Sept.
Sharpening rock-drills, Machine for forging and. S. P. Quick .. ..	9793	14 Aug.
Shavings, Manufacturing zinc. P. Strang .. ..	9879	9 Sept.
Shearing-machine. H. Hall .. ..	9916	20 Sept.
Shearing skins, Apparatus for. J. Murgatroyd .. ..	9887	6 Sept.
Shears for cutting tin, brass, &c. J. A. Belk .. ..	9984	12 Oct.
Sheathing or weatherboard. W. Pinches.. ..	10004	14 Oct.
Sheep- and package-branding machine. J. A. Barnes .. ..	9476	26 April.
Sheep-dip. T. Hallett .. ..	10253	30 Dec.
Sheep-shearing machine. J. G. Nash .. ..	10039	21 Oct.
Sheepshears, Hand-. J. Heck .. ..	10159	25 Nov.
Sheepshears, Machine. J. Martin .. ..	9789	13 Aug.
Sheet-metal box. T. L. Carbone .. ..	10071	30 Oct.
Sheller casings, Frictional surface for lining. G. Preddy .. ..	9172	5 Jan.
Shield for tires. A. Manvers, M. Fink, and H. A. D. Sheppard .. ..	9325	4 March.
Ships and boats, Propeller for. J. A. Belk .. ..	10124	13 Nov.
Ships' boats, Apparatus for working. S. Jickell .. ..	9800	6 Aug.
Shirt-collar attachment. G. Ward and J. E. Dodgshun .. ..	9204	19 Jan.
Shirt, Dickey and means of attaching to. J. Harvey-Metcalf .. ..	9566	25 May.
Shoe for bottom of pipe for artesian well. J. Osborne .. ..	9897	8 Sept.
Shoe. (See also Boot, Horse-shoe.)		
Shop-window. W. Moriarty .. ..	10132	16 Nov.
Shovel. C. A. Port .. ..	9696	14 July.
Shower-bath. A. H. W. Wedler .. ..	9944	30 Sept.
Signal-lamp, Hand. T. Edwards .. ..	9798	16 Aug.
Signal-lamp, Hand. J. Dobbie .. ..	9895	6 Sept.
Signal-lamp, Revolving screw-attachment for. S. P. Evans .. ..	9859	30 Aug.
Signals, Apparatus for transmitting electrical impulses and. The Wireless Telegraph and Signal Company (Limited)	9925	21 Sept.
Signals for railway, Danger-. C. J. E. Linnemann .. ..	9999	4 Oct.
Signals or messages by electric currents, Transmitting. A. C. Crehore and G. O. Squier .. ..	9541	19 May.
Silt-punt. J. J. Haslam .. ..	9726	24 July.
Silt-punt. G. N. Goldie .. ..	9911	13 Sept.
Siphon. J. Harrison .. ..	9677	13 July.
Siphon cistern, Flushing. J. Marsh .. ..	9461	22 April.
Skeith and skim-coulter attachment to plough. W. K. Elder .. ..	9820	21 Aug.
Skeith-attachment for plough. W. A. Mann .. ..	9717	20 July.
Skeith-attachment to ploughs, Rotary subsoiler. T. Hawke .. ..	9617	15 June.
Skeith-carrying attachment for plough. D. Brisbane .. ..	10130	12 Nov.
Skin-shearing apparatus. J. Murgatroyd .. ..	9887	6 Sept.
Skins or hides, Curing. J. W. Scott .. ..	9249	4 Feb.
Skirt-attachment for cyclists. C. Bristow .. ..	9491	4 May.
Skirt, Cycling-. S. E. Francis .. ..	9910	16 Sept.
Sleepers, Process of and composition for manufacturing posts and railway-. E. Walker and J. A. Henderson	9235	28 Jan.
Sleeping-bag. W. S. C. Nicholl .. ..	10038	21 Oct.
Slime from bodies containing same, Separating. W. A. Kōneman .. ..	9187	11 Jan.
Slime, sand, &c., Process and apparatus for extracting liquid from solvent-treated. T. T. Draper and W. Ryley	9878	9 Sept.
Smelting-furnaces, Method of and apparatus for charging. E. Hall .. ..	9577	31 May.
Smelting ironsand, Furnace for. A. Coubrough .. ..	10225	17 Dec.
Smelting ironsand, Process for. A. Coubrough .. ..	9177	7 Jan.
Smelting ironsand, Process of. A. Coubrough .. ..	10226	17 Dec.
Smelting, Process and apparatus for preparing ironsand for. A. Coubrough .. ..	9492	4 May.
Smelting, Treating minerals for. R. F. Strong .. ..	9922	23 Sept.
Smoke-consumer and spark-catcher for engines, chimney-stacks, &c. L. G. Roope and J. Shepherd	9940	24 Sept.
Smoke-consuming, fuel-economizing, and stoking apparatus for steam-boilers. The Wood and Claydon Automatic Stoker, Coal-crusher, Self-feeder, and Smoke-consumer Company (Limited)	9182	8 Jan.
Smoke-consuming, self-cleaning, steam and hot-air utilizing tube-engine. E. L. Clark	10026	15 Oct.
Sock or stocking. F. Sontgen .. ..	9349	25 Feb.
Sods, Machine for removing soil from. H. E. A. Minchin .. ..	9658	28 June.
Soldering apparatus. J. P. Hamilton .. ..	9946	28 Sept.
Soldering-table or -pan. Elkington and Company (Limited) .. ..	9203	19 Jan.
Soldering tins, Machine for. W. Stevenson .. ..	9450	20 April.
Solvents and electrolysis, Extracting metals from ores by means of. C. A. Mulholland and R. M. Cochrane	9457	22 April.
Solvents, Treating gold- and silver-ores with. J. C. Montgomerie and H. Parkes .. ..	9643	30 June.
Sorter, Ore-. J. Ancel .. ..	10063	28 Oct.
Sowing seeds with manure, Drill for. I. Sargent .. ..	9651	7 June.
Sowing. (See also Seed-drills.)		
Sounding apparatus, Nautical. D. P. Munn .. ..	9611	14 June.
Spade. C. A. Port .. ..	9696	14 July.
Spanner. A. Taylor .. ..	9392	29 March.
Spanner. A. Taylor .. ..	9440	12 April.
Spanner. E. Moss .. ..	9529	14 May.
Spark-catcher and smoke-consumer for engines, chimney-stacks, &c. L. G. Roope and J. Shepherd	9940	24 Sept.
Spark-extinguisher. D. E. Blacke .. ..	9597	4 June.
Spindle and bearing, Cycle crank-. A. J. Cuming .. ..	9901	10 Sept.
Spirit- or oil-engine, Vaporiser for. F. Henderson and M. T. N. Bluck .. ..	9750	29 July.
Split pulley. H. Wilson and T. Mant .. ..	10210	10 Dec.
Spouting, Bracket for erection of galvanised-iron. H. J. Vickery .. ..	9723	23 July.
Spray-brush. L. and M. L. Jones .. ..	9964	7 Oct.
Sprayer-nozzle, Drip-cup for. W. H. Price .. ..	10070	29 Oct.
Spray-pump. J. Garside .. ..	9663	1 July.
Spring-dray or cart saddle. T. Hogan .. ..	9930	25 Sept.
Spring-frame bicycle. A. J. Cuming .. ..	9794	14 Aug.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention and Name of Inventor	No.	Date.
Stacks of grain, &c., Roofing or covering. G. L. Thomson .. .. .	10128	8 Nov.
Stamp-battery, Automatic feeder for. J. L. Kirkbride .. .. .	10052	21 Oct.
Stamp cancellation, Indelible. D. R. S. Galbraith .. .. .	9921	22 Sept.
Stamper battery. R. Cockerell .. .. .	9555	30 April.
Stamper battery. G. Dunn .. .. .	9989	14 Oct.
Stamper battery. J. P. Brunton .. .. .	10100	5 Nov.
Stamper battery for pulverising ore in a dry state. M. Weber ..	9458	22 April.
Stamper battery, Pneumatic feed and dust-stopper for. W. Thomas ..	9724	19 July.
Stamper-box. T. Thompson .. .. .	9662	3 July.
Stampers, Method of and apparatus for collecting and treating dust from. W. H. Clark ..	9650	30 June.
Stamping or embossing press, Colour-. J. C. Swallow .. .. .	10092	4 Nov.
Stamp-mills, Cam and cam-shaft for. E. J. Way .. .. .	9208	20 Jan.
Stamp-mills, Cam and Cam-shaft for. E. J. Way .. .. .	10056	27 Oct.
Stamps and stamper-dies for reduction of ores, &c. H. H. Adams .. .. .	9813	17 Aug.
Stand attachable to chair, &c., Book-. J. Tremearne .. .. .	9470	26 April.
Standard. (See Clothes-line standard, Fencing-standard.)		
Standards, Contrivance for attaching wire netting to. W. Roberts, jun. .. .. .	9434	7 April.
Standards, Device for attaching wire and wire netting to. W. Roberts, jun. .. .. .	9601	7 June.
Standards, Fastening wire on. W. J. Philp .. .. .	9255	27 Nov.'96.
Standards, Tool for driving fencing-. H. E. R. Rayner .. .. .	10076	1 Nov.
Standards, Means of securing fencing wire to. W. C. Greig .. .. .	10201	8 Dec.
Starting machine, Race-. J. Rose .. .. .	9480	26 April.
Station indicator, Railway-. W. C. and H. M. Dennes .. .. .	9866	6 Sept.
Steam and hot-air utilising tube-engine, Smoke-consuming, self-cleaning. E. L. Clark ..	10026	15 Oct.
Steam-boiler, Damper for. G. Butel .. .. .	10185	4 Dec.
Steam-boiler or steam-generator. G. Haley .. .. .	9342	11 March.
Steam-boilers, Stoking, smoke-consuming, and fuel-economizing apparatus for. The Wood and Claydon Automatic Stoker, Coal-crusher, Self-feeder, and Smoke-consumer Company (Limited)	9182	8 Jan.
Steam-boiler, Water tube. E. E. Wigzell .. .. .	9423	8 April.
Steam-engine. A. Hogg .. .. .	10028	16 Oct.
Steam-engine, Rotary. C. A. Bäckström .. .. .	9254	5 Feb.
Steam-generator, Feed-water purifier for. J. H. Rosenthal .. .. .	9844	1 Sept.
Steam-generator, furnace, and heating-, evaporating-, or preserving-pau combined. J. T. Johns, J. H. Fleming, and G. W. Basley .. .. .	9818	20 Aug.
Steam-generator, super-heater, or water-heater. E. Makin, jun. .. .. .	9754	4 Aug.
Steam-motor for street-car service. A. P. Dodge .. .. .	9700	19 July.
Steam-pontoon for hauling logs, &c. N. Gibbons .. .. .	9624	16 June.
Steam-trap. B. Lloyd .. .. .	9317	1 March.
Steel and iron castings, Annealing. P. D. Murphy .. .. .	9321	1 March.
Steel, Manufacturing. T. J. Heskett and H. Jones .. .. .	9770	11 Aug.
Steel, Manufacturing. C. de Estève-Llatas .. .. .	9891	16 Dec.'96*
Stencil-case for branding boxes and bales. A. L. Heighton .. .. .	10195	7 Dec.
Stereoscopic pictures, Apparatus for viewing. T. C. Porter .. .. .	9742	2 Aug.
Sterilising and aerating beer, Apparatus for. W. J. Glennon and A. Y. Oastler .. .. .	9646	30 June.
Sterilising milk, cream, &c., Apparatus for. P. I. Buas .. .. .	9437	9 April.
Stocking or sock. F. Sontgen .. .. .	9349	25 Feb.
Stoking, smoke-consuming, and fuel-economizing apparatus for steam-boilers. The Wood and Claydon Automatic Stoker, Coal-crusher, Self-feeder, and Smoke-consumer Company (Limited)	9182	8 Jan.
Stomach, liver, or kidney complaints, Medicine for. H. Phillips .. .. .	9751	30 July.
Stone, Method of manufacturing artificial. Oakley Stone Company (Limited) .. .. .	10224	17 Dec.
Stopper for bottles, also applicable to taps, bungs, &c. J. S. Woodhouse .. .. .	9860	1 Sept.
Stoppering-bottles, -jars, &c. Andrews Patent Bottle Lock Stopper Syndicate (Limited) .. .. .	9294	24 Feb.
Storage battery, Electric. J. E. Liardet .. .. .	10135	17 Nov.
Storage chambers, Means of and apparatus for reducing temperature of. G. T. Booth and E. Jones .. .. .	9201	14 Jan.
Storage or electrical battery. W. W. Hanscom and A. Hough .. .. .	9741	2 Aug.
Stove, Burner for petroleum- or other oil-. J. S. Chambers and J. G. Seymour .. .. .	9579	31 May.
Stove, Means for controlling supply of gas to. J. Wynn .. .. .	10180	3 Dec.
Stove or oven, Shutting off heat from. A. T. Lang .. .. .	10090	4 Nov.
Stove. (See also Gas-stove.)		
Strainer. (See Milk-strainer, Wire-strainer.)		
Strap-fastener. A. Macvean .. .. .	10141	17 Nov.
Street-car service, Steam-motor for. A. P. Dodge .. .. .	9700	19 July.
Stretcher, Boot-. W. A. Mercer and D. R. S. Galbraith .. .. .	9906	14 Sept.
Stretcher, Trouser-rack and. D. Munro .. .. .	9556	18 May.
Striker, Match-box and. H. W. Donnelly .. .. .	10230	13 Dec.
Structural arrangement. E. L. Pease .. .. .	9923	26 Sept.'96*
Structure, Concrete. W. Pinches .. .. .	9938	25 Sept.
Stumps, Cricket-. J. Roberts .. .. .	9353	11 March.
Submarine rock, Apparatus for drilling, excavating, and breaking up. R. M. Scott and A. Goodsir .. .. .	10116	11 Nov.
Submarine telegraphy, Receiver for. A. Piedfort .. .. .	9196	14 Jan.
Sulky-plough. J. R. Lavell .. .. .	10182	3 Dec.
Sulphide ores, Apparatus for treating complex. F. Ellershausen .. .. .	9941	3 Sept.
Sulphide ores for separation of zinc from the lead, &c., Treating. B. Mohr .. .. .	9710	22 July.
Sulphide ores of lead, Treating. T. Huntington and F. Heberlein .. .. .	9421	8 April.
Sulphurous ores, Treating. Société Anonyme de Traitement de l'Or Combiné (Procédé Body) .. .. .	9686	16 July.
Sulphide ores, Treating complex. F. Ellershausen .. .. .	9586	3 June.
Sulphurous acid, Obtaining. T. Huntington and F. Heberlein .. .. .	9421	8 April.
Sun-dial. J. Levinge .. .. .	9704	20 July.
Sunken vessels, Air-float for raising. F. Marriott .. .. .	9937	25 Sept.
Sunken vessels, Apparatus for lifting. J. Mackenzie .. .. .	9862	31 Aug.
Sunken vessels, Means of raising. J. A. Belk .. .. .	10123	13 Nov.
Sunken vessels, Pneumatic lift for raising. R. H. J. Hamlin .. .. .	9947	29 Sept.
Super-heater, water-heater, or steam-generator. E. Makin, jun. .. .. .	9754	4 Aug.
Support. (See Bicycle-support, Cyclists' body-support, Incandescent gas-burner support.)		
Suspenders. W. Greenshields .. .. .	9945	18 Sept.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention and Name of Inventor.	No.	Date.
Swaging, forging, and hammering metal articles, Machine for. F. G. Myers .. ..	9781	22 Oct.'96*
Switch, Telephone-dial. H. C. M. Watson .. ..	9680	28 June.
Syphon. (See Siphon.)		
Syrups, Apparatus for drawing and mixing aerated waters with. A. Brake .. ..	9238	30 Jan.
Syrups, Apparatus for drawing and mixing aerated waters with. A. Brake, R. J. McKee, and B. Joyce .. ..	9569	27 May.
Table for dredge, Gold-saving. C. H. Osmond .. ..	9758	6 Aug.
Table, Gold-saving. S. Papprell .. ..	9805	20 Aug.
Table or -pan, Brazing- or soldering-. Elkington and Co. (Limited) .. ..	9203	19 Jan.
Table with bread-crook, bins, kneading-board, &c., combined. J. Mackenzie .. ..	10107	8 Nov.
Tablet for housekeepers, Order-. H. J. Weeks .. ..	10002	15 Oct.
Tablet for production of carbonated aerated drinks. A. Dolton .. ..	9279	17 Feb.
Tackle, Safety-releasing. D. L. Turner .. ..	9525	15 May.
Tailings, &c., containing gold, &c., Apparatus for treatment of. H. R. Brookes, C. G. W. Officer, and J. Jones .. ..	9581	31 May.
Tailings, ores, &c., Apparatus for treating. J. Poole .. ..	9894	10 Sept.
Tailings, sludges, &c., Process and apparatus for extracting gold from. F. B. Cronin .. ..	9877	9 Sept.
Tallow-lamp. A. R. Jones .. ..	10035	3 Nov.
Tape measure, pencil, and rubber combined. H. R. Jury and J. A. Endean .. ..	10208	7 Dec.
Taps, bungs, &c., Stopper applicable to. J. S. Woodhouse .. ..	9860	1 Sept.
Target for range-firing, Self-marking electric. W. Harris .. ..	9598	4 June.
Tar, Process of manufacturing asphalt and recovering by-products of. T. Waterworth .. ..	9380	26 March.
Tassel, Incandescent gas light. L. Hooker .. ..	9707	21 July.
Tauhinu, roof-uplifter, or scrub-puller. W. S. Dudson .. ..	10202	9 Dec.
Tea, Essence of. B. M. Brian .. ..	9679	9 July.
Tea-urn and teapot. C. C. Morris .. ..	9860	3 March.
Telegraphic receiver. A. Piedfort .. ..	9196	14 Jan.
Telephone-dial switch. H. C. M. Watson .. ..	9680	28 June.
Telephone instrument, Coin-operated. F. J. Clendinnen and G. A. P. Weymouth .. ..	10250	24 Dec.
Temperature of cool-storage chambers, Means of and apparatus for reducing. G. T. Booth and E. Jones .. ..	9201	14 Jan.
Tennis scoring-machine, Lawn-. F. Wight .. ..	9248	1 Feb.
Thawing and freezing meat, Process in. G. Aitkens .. ..	9237	30 Jan.
Thimble and thread-cutter combined. W. C. Robison .. ..	10020	15 Oct.
Thread, Bobbin or reel for carrying. L. R. Taylor .. ..	9385	27 March.
Thread-cutter and thimble combined. W. C. Robison .. ..	10020	15 Oct.
Thread stitches, Foundation for drawn-. J. C. Corbett .. ..	10118	13 Nov.
Thrashing-machine. J. Borsum .. ..	10241	23 Dec.
Tie-fastener. A. Johnston .. ..	9304	24 Feb.
Tie for hollow or cavity walls. A. F. Pritchard .. ..	9987	14 Oct.
Tile. W. A. C. Waller .. ..	9558	22 May.
Tile sections, &c., Devices for mechanically framing window-lights. J. M. Ewen .. ..	10013	19 Oct.
Tiles and vault-lights, Method of mounting paving-. J. M. Ewen .. ..	10012	19 Oct.
Tiles, A substitute for. Steelotile Manufacturing Company (Limited) .. ..	10181	3 Dec.
Tiles, &c., Electro-glazing for joining glass. J. M. Ewen .. ..	10010	19 Oct.
Tiles, Framing prism-lights and. J. M. Ewen .. ..	10015	19 Oct.
Tiles, &c., Glazing together by electrolysis glass sections. J. M. Ewen .. ..	10011	19 Oct.
Timber-jack, Jaw for spear of. H. Priestley .. ..	9514	6 May.
Time-indicator. A. J. Day .. ..	9361	18 March.
Time-indicator. (See also Sun-dial.)		
Time-tables for railways, tramways, &c. F. S. Stephen and J. Whyte .. ..	9833	27 Aug.
Tine-harrow. L. Joyce .. ..	9839	28 Aug.
Tine-harrow. G. W. Penney .. ..	9950	1 Oct.
Tin-opener or shears. J. A. Belk .. ..	9984	12 Oct.
Tin or canister. F. J. Lake .. ..	9348	20 Feb.
Tin-soldering machine. W. Stevenson .. ..	9450	20 April
Tin. (See also Baking-tin, Tobacco-tin.)		
Tire. L. E. Gunner and F. M. Hudson .. ..	9507	7 May.
Tire, Air-valve for pneumatic. C. K. Welch .. ..	9210	21 Jan.
Tire, Apparatus for actuating pump for inflating. A. J. Cuming .. ..	9576	29 May.
Tire, Appliance for locating puncture in pneumatic. R. J. Scofield .. ..	9211	21 Jan.
Tire, Bicycle-. F. Gossler .. ..	9553	20 May.
Tire, Bicycle-. C. Newman .. ..	10031	21 Oct.
Tire, Cycle-. J. A. Parker .. ..	10129	15 Nov.
Tire, Cycle-. W. Robinson .. ..	10140	17 Nov.
Tire, Cycle-. C. H. and G. Greaves .. ..	10240	23 Dec.
Tire guard, Bicycle-. R. B. Lamb and E. Z. Collings .. ..	9620	18 June.
Tire-guard, Pneumatic. D. R. S. Galbraith .. ..	9949	1 Oct.
Tire, Link-. J. Arnaboldi .. ..	9718	30 June.
Tire, Means for automatically closing punctures in pneumatic. J. J. Shannessy .. ..	9253	5 Feb.
Tire, Means for preventing puncture of pneumatic. A. J. Cuming .. ..	9452	15 April.
Tire, Mode of inflating pneumatic. J. Robertson .. ..	9327	4 March.
Tire or tire-cover for cycles, &c. A. Golding .. ..	9918	21 Sept.
Tire, Pneumatic. J. T. Trench .. ..	9164	4 Jan.
Tire, Pneumatic. J. J. Warry .. ..	9194	14 Jan.
Tire, Pneumatic. R. Stavely .. ..	9278	17 Feb.
Tire, Pneumatic. T. Rowley .. ..	9300	25 Feb.
Tire, Pneumatic. S. M. Smith .. ..	9363	18 March.
Tire, Pneumatic. F. Leach .. ..	9365	19 March.
Tire, Pneumatic. J. W. McDougall .. ..	9570	27 May.
Tire, Pneumatic. A. Pulbrook .. ..	9675	12 July.
Tire, Pneumatic. J. W. McDougall .. ..	9702	19 July.
Tire, Pneumatic. C. C. A. Hall .. ..	9722	27 July.
Tire, Pneumatic. The Beebe Patent Syndicate .. ..	9784	13 Aug.
Tire, Pneumatic. S. Bunting .. ..	9892	10 Sept.
Tire, Pneumatic. W. A. D. Graham and J. N. Shenstone .. ..	10137	18 Nov.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention and Name of Inventor.	No.	Date.
Tire, Pneumatic. A. Ogden .. .. .	10153	24 Nov.
Tire-protector. W. G. McGee .. .. .	9233	27 Jan.
Tire-pump. J. Gaut .. .. .	9766	11 Aug.
Tire puncture-proof, Method and composition for making pneumatic. P. J. Winch and J. T. Snell	9672	12 July.
Tire, Puncture-resisting shield for pneumatic. A. Manvers, M. Fink, and H. A. D. Sheppard ..	9325	4 March.
Tire, Repairing puncture in pneumatic. M. E. Barton .. .. .	9433	6 April.
Tire, Single-tube. S. Macdonald and L. S. Harrison .. .. .	9565	21 May.
Tobacco- and cigar-cutter, match-delivering device, and indicator combined. T. H. Ross and H. M. Evans .. .. .	9489	3 May.
Tobacco-cutter and -rubber, Pocket. O. E. Duncan .. .. .	9230	26 Jan.
Tobacco-pipe. W. H. Burton and R. W. de Montalk .. .. .	10044	23 Sept.
Tobacco-pipe, Absorbent plug for. K. S. Begg .. .. .	9588	4 June.
Tobacco-pipe, cigar- or cigarette-holder. J. Taylor .. .. .	9990	14 Oct.
Tobacco-smoke, Wad or filter for filtering. E. B. and P. A. Vaile .. .. .	9716	20 July.
Tobacco-tin or -canister. A. H. Turnbull .. .. .	9286	19 Feb.
Toilet-powder ejector. J. J. Charlton and J. H. Kay .. .. .	9197	14 Jan.
Tool, Boring- or drilling-. B. Wesselmann .. .. .	9571	28 May.
Toothache- and neuralgia -cure. M. M. Squire .. .. .	10193	6 Dec.
Tooth-brush. E. Cowles .. .. .	9272	13 Feb.
Torpedo and torpedo destroyer mine. H. G. Bedell .. .. .	9404	5 April.
Torpedo-boat. A. J. B. Body .. .. .	10254	29 Dec.
Totalisator or enumerating machine. H. Hodsdon .. .. .	10229	18 Dec.
Tow and waste fibres from flax-mills, Utilising. C. S. White and A. J. Cuming .. .. .	9340	22 Feb.
Toy. L. Joyce .. .. .	10166	24 Nov.
Toy, Optical. G. H. MacSwinney .. .. .	10248	23 Dec.
Trace-connections, Hame-hook and similar. M. McDonald .. .. .	10117	11 Nov.
Traces, Fastening for. T. McGrevy .. .. .	9263	12 Feb.
Traces, Loop and eye for ends of harness. C. Anderson .. .. .	9736	31 July.
Traction-engine, Attaching and detaching mud-climbs or spuds for. S. Graham .. .. .	9668	6 July.
Traction-engine gripper-key. R. L. Christie .. .. .	9684	12 July.
Tramway, Automatic loading-platform for aerial. G. B. Beere and D. G. MacDonnell .. .. .	9267	10 Feb.
Tramway time-table. F. S. Stephen and J. Whyte .. .. .	9833	27 Aug.
Tramway. (See also Railway.)		
Transmitting electrical impulses and signals, Apparatus for. The Wireless Telegraph and Signal Company (Limited) .. .. .	9925	21 Sept.
Transmitting signals by and controlling electric currents. A. C. Crehore and G. O. Squier .. .. .	9541	19 May.
Trap. (See Rabbit-trap, Rat-trap, Sewer-trap, Steam-trap.)		
Tree, Boot-. W. A. Mercer and D. R. S. Galbraith .. .. .	9906	14 Sept.
Trees, Insecticide-dressing for fruit-. G. Wilks .. .. .	9206	20 Jan.
Tricycle, Advertising medium in form of a. R. E. Saville .. .. .	9400	24 March.
Tricycle or bicycle, Appliance for cleaning driving-chain of. P. Genn .. .. .	9175	23 Dec.
Tricycle or bicycle interchangeable gearing. C. J. Royds and A. T. Cavell .. .. .	9319	3 March.
Tricycle. (See also Cycles.)		
Trouser-clip. A. J. Cuming .. .. .	9333	5 March.
Trouser-guard for cycle. E. R. Standfield and F. J. Fuchs .. .. .	9607	11 June.
Trouser-rack and -stretcher. D. Munro .. .. .	9556	18 May.
Truck or -wagon, Railway-. J. Colvin .. .. .	9551	15 May.
Truss, Hernia-. R. Richardson .. .. .	10069	28 Oct.
Tube-bending machine. A. J. Cuming .. .. .	9776	10 Aug.
Tube-engine, Smoke-consuming, self-cleaning, steam, and hot-air utilising. E. L. Clark .. .. .	10026	15 Oct.
Tubes, tubular unions, &c., Apparatus for truing up. R. Chillingworth .. .. .	9618	18 June.
Tubing to sockets, Mode and means of joining. F. Billing and W. E. Partridge .. .. .	9166	4 Jan.
Tubular auger. J. Murray .. .. .	9494	4 May.
Tubular joint and apparatus for making same. C. T. Crowden .. .. .	9261	12 Feb.
Turbine and dynamo for lighting incandescent electric lamp, Combined air-pressurè. T. G. Howland .. .. .	10046	23 Oct.
Turnips, Implement for thinning. N. Townshend .. .. .	9239	10 Dec., '96
Tuyère for forge. L. Billett and F. R. Cooper .. .. .	9534	19 May.
Tuyère for furnace. W. L. Austin .. .. .	9509	10 May.
Twine holding together parcels, &c., Device for securing ends of. H. N. McLeod .. .. .	9441	13 April.
Twitch-grubber. P. Muirhead .. .. .	9825	23 Aug.
Twitch-sods, Self-feeding machine for removing soil from. H. E. A. Minchin .. .. .	9658	28 June.
Type-casting and -composing machine. Lanston Monotype-machine Company .. .. .	10006	13 Oct.
Type-forming machines, Machine for preparing perforated record-strips for. Lanston Monotype-machine Company .. .. .	10005	18 Oct.
Typefounding apparatus. F. Wicks .. .. .	9855	2 Sept.
Typewriting-machine. The Imperial Writing-machine Company (Limited) .. .. .	10089	4 Nov.
Typewriting machine, Book. G. C. Elliott and W. P. Hatch .. .. .	9890	10 Sept.
Typographer, Roller-. A. Johnston .. .. .	9752	31 July.
Tyre. (See Tire.)		
Umbrella. H. Winkelmann .. .. .	9819	20 Aug.
Umbrellas, &c., to cycles, Affixing. C. E. Jay .. .. .	10060	26 Oct.
Undercarriages of vehicles, Cross-arms balance for. D. Murphy, W. McManus, A. R. Harris, and G. W. Basley .. .. .	9557	18 May.
Undercarriages of vehicles, Bearings and ends for balance for. D. Murphy, W. McManus, A. R. Harris, and G. W. Basley .. .. .	9664	3 July.
Uninflammable, Treatment to render wood. E. M. Fox .. .. .	9388	27 March.
Union and coupling for hose. A. H. W. Wedler .. .. .	9943	30 Sept.
Urn and teapot, Tea-. C. C. Morris .. .. .	9360	3 March.
Utensil, Cooking-. P. H. Pritchett .. .. .	9816	20 Aug.
Utensil, Cover for cooking-. E. Smethurst .. .. .	9523	13 May.
Valve-gearing for gas, oil, or internal-combustion engine. F. Henderson and M. T. N. Bluck .. .. .	9749	29 July.
Valve. (See also Air-valve, Triple-valve.)		
Vamping-device. R., H., W. E., and R. H. Thompson .. .. .	9807	18 Aug.
Vaporizer for oil- or spirit-engines. F. Henderson and M. T. N. Bluck .. .. .	9750	29 July.
Variable gear, Roller-tooth. T. Foster .. .. .	9836	28 July.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention and Name of Inventor.	No.	Date.
Vat, Agitating- and settling.. P. Ferguson .. .. .	10024	15 Oct.
Vat or cask. H. Dose .. .. .	9919	21 Sept.
Vault- and canopy-lights and prismatic glass. J. M. Ewen .. .. .	10008	19 Oct.
Vault-lights, Method of mounting paving-tiles and. J. M. Ewen .. .. .	10012	19 Oct.
Vehicle-brake. W. Madder .. .. .	9344	18 Feb.
Vehicle-brake. W. Madder .. .. .	9830	26 Aug.
Vehicle-hub and -bearing. A. J. Cuming.. .. .	9827	23 Aug.
Vehicle lamp holder. H. M. McNeill .. .. .	9665	5 July.
Vehicle, Means of preventing horse running away with. C. J. Gascoigne .. .. .	9714	23 July.
Vehicle, Means of preventing horse running away with. C. J. Gascoigne .. .. .	9761	7 Aug.
Vehicle, Motor-. J. F. Duryea .. .. .	9341	11 March.
Vehicle, Motor-. J. P. Erie .. .. .	9475	26 April.
Vehicle or gig, Two-wheeled. H. Miller and H. T. Smith .. .. .	9505	21 April.
Vehicle-propelling mechanism. H. Symes .. .. .	9413	7 April.
Vehicle, Self-propelling. The Anglo-French Motor-carriage Company (Limited) .. .. .	9251	5 Feb.
Vehicle, Shaft-tug. F. O. Skelton .. .. .	9356	16 March.
Vehicle, Shaft-tug. J. Robinson .. .. .	9536	17 May.
Vehicle, Shaft-tug. P. O'Connell .. .. .	9730	26 July.
Vehicles, Balance-lever for equalising weights in carts and other. T. Goodwin .. .. .	10000	9 Oct.
Vehicles, Bearings and ends for cross-arms balance for undercarriages of. D. Murphy, W. McManus, A. R. Harris, and G. W. Basley .. .. .	9664	3 July.
Vehicles, Cross-arms balance for maintaining equilibrium of. D. Murphy, W. McManus, A. R. Harris, and G. W. Basley .. .. .	9557	18 May.
Vehicles, Means for propelling. A. J. Cuming .. .. .	10190	2 Dec.
Vehicle. (See also Axle, Bicycle, Brake, Carriage, Cart, Cycle, Gig, Halter, Hames, Harness, Locomotive, Motor, Perambulator, Saddle, Seat, Shaft-tug, Street-car, Velocipede, Wheel.)		
Velocipede. J. Price, T. Hann, and W. Bromley .. .. .	9168	5 Jan.
Velocipede. E. L'E. Barton .. .. .	9236	29 Jan.
Velocipede and other wheels, Method of and apparatus for manufacturing hubs for. R. Chillingworth .. .. .	9674	12 July.
Velocipede-brake. A. C. Murray .. .. .	9701	19 July.
Velocipede-brake. A. K. McGregor .. .. .	9705	20 July.
Velocipede driving-gear. J. A. Belk .. .. .	9636	26 June.
Velocipede driving-gear. G. R. Wilson .. .. .	10184	4 Dec.
Velocipede-driving mechanism. J. P. Faulds, G. E. Beaumont, and J. Dickinson .. .. .	9199	14 Jan.
Velocipede-driving mechanism. H. Symes .. .. .	9222	19 Feb.
Velocipede-driving mechanism. T. Grace .. .. .	9508	10 May.
Velocipede, Pedal-crank for. J. P. Faulds, J. Dickinson, and G. E. Beaumont .. .. .	9845	13 March.
Velocipede, Pedal-crank for. J. and W. Dickinson and G. E. Beaumont .. .. .	9644	30 June.
Velocipede. (See also Bicycle, &c.)		
Venetian-blind. W. M. Green .. .. .	9737	2 Aug.
Ventilating mines, Apparatus for. S. Devy and E. Morey .. .. .	9708	22 July.
Ventilating mines, System of and apparatus for. R. Schloesser .. .. .	9857	2 Sept.
Ventilator or chimney-pot. B. Crawford .. .. .	10053	9 Oct.
Ventilator, Window-. T. Smart .. .. .	10001	16 Oct.
Vessel for boiling milk. F. J. Sheppard .. .. .	9914	18 Sept.
Vessel, Marine. F. A. Knapp and G. Goodwin .. .. .	9510	10 May.
Vessels, Means of raising sunken. J. A. Belk .. .. .	10123	13 Nov.
Vessel, Rudder for auxiliary-screw. G. McKenzie and H. P. Norton .. .. .	9907	9 Sept.
Vessels, Air float for raising sunken. F. Marriott .. .. .	9937	25 Sept.
Vessels, Apparatus for lifting sunken. J. Mackenzie .. .. .	9862	31 Aug.
Vessels, &c., Pneumatic lift for raising sunken. R. H. J. Hamlin .. .. .	9947	29 Sept.
Vessel. (See also Boat, Marine, Propeller, Rudder, Ship.)		
Veterinary mixture. C. Dolbel .. .. .	9232	28 Jan.
Votes at elections, &c., Apparatus for recording and registering. W. A. Ellis .. .. .	10200	9 Dec.
Votes at elections, Apparatus for registering. W. Andrews, F. H. Schoeneberg, and J. Bruce .. .. .	10233	20 Dec.
Votes at elections, Process and apparatus for recording. O. Hansen .. .. .	10131	12 Nov.
Voucher or label for guaranteeing authenticity and origin. A. and L. Braly .. .. .	9543	19 May.
Wad-mouthpiece or filter for filtering tobacco-smoke. E. B. and P. A. Vaile .. .. .	9716	20 July.
Wagon or -truck, Railway-. J. Colvin .. .. .	9551	15 May.
Walls, Tie for hollow or cavity. A. F. Pritchard .. .. .	9987	14 Oct.
Wash-board. A. L. J. Tait .. .. .	9806	17 Aug.
Wash-board. E. Gibbons .. .. .	10214	11 Dec.
Wash-dirt or sand, Screening auriferous. W. Morton .. .. .	9592	31 May.
Wash-dirt, Screen for auriferous. W. Morton .. .. .	10112	8 Nov.
Washer, Photographic rocker and. J. Gordon-Jones .. .. .	9917	21 Sept.
Wash, Hair-. W. T. Trudgeon .. .. .	9406	6 April.
Washing-blue, dyes, &c., Receptacle for. H. Vallance .. .. .	10111	10 Nov.
Washing-board. P. Coull .. .. .	9974	27 Sept.
Washing-board. G. Bowron and W. C. Greig .. .. .	10251	23 Dec.
Washing-boiler. A. H. Simpson .. .. .	9683	12 July.
Washing boiler. J. B. Moir .. .. .	9804	2 Aug.
Washing fabrics, wool, &c., Apparatus for. J. H. Coxen .. .. .	10057	27 Oct.
Washing-machine, Clothes. T. Johnson and E. E. Kirby .. .. .	10073	1 Nov.
Washing wool, Apparatus for. H. Ashworth .. .. .	9829	6 March.
Water-closet. H. Stairmand and H. Garnham .. .. .	9909	15 Sept.
Water-filter. M. Scott .. .. .	9332	5 March.
Water-filter. J. C. Corbett .. .. .	10050	25 Oct.
Water filtering. J. H. Ormond and T. Ritchie .. .. .	10282	14 Dec.
Water gas, Generating hydro-carbon or. J. and J. Watt .. .. .	9449	20 April.
Water-heater, super-heater, or steam-generator. E. Makin, jun. .. .. .	9754	4 Aug.
Watering-pot, Rose for. J. W. Wade .. .. .	10163	26 Nov.
Water-inspirator. E. H. Freed .. .. .	9403	29 March.
Water, Inspirator for raising heated. E. H. Freed .. .. .	9205	12 Dec. 96.
Water, Means of raising. M. C. Healy .. .. .	9953	2 Oct.
Water, &c., Means of supplying air under. E. Sprey .. .. .	10029	18 Oct.

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention and Name of Inventor.	No.	Date.
Water, Means of working for gold, &c., under. P. Lanigan .. .. .	9981	7 Oct.
Waterproof coat. H. M. Levinge .. .. .	10212	13 Dec.
Waterproof-coating composition. C. J. Grist .. .. .	9334	6 March.
Weather- or sheathing-board. W. Pinches .. .. .	10004	14 Oct.
Weighing, cheese-cutting, and cash-registering apparatus. R. J. Goodman .. .. .	9338	10 March.
Weighing-machine, Cost-indicating, registering, and weight-totalling apparatus for. W. H. and W. L. D. Gundry .. .. .	9847	27 Aug.
Weight and cost-indicating scales, Dial for. H. J. Wood .. .. .	9808	18 Aug.
Wheel. I. Davis .. .. .	9167	5 Jan.
Wheel. G. W. Boucher, D. McCallum, and F. Johnson .. .. .	9198	14 Jan.
Wheel. R. T. and C. Bellemey .. .. .	9213	21 Jan.
Wheel and axle. W. E. Hughes .. .. .	9790	13 Aug.
Wheel, Ball-bearing plough-. G. Bristow .. .. .	9755	3 Aug.
Wheel, Barrow-. T. White .. .. .	9815	13 Aug.
Wheel, Bicycle-. E. Hayes .. .. .	9374	3 March.
Wheel, Cycle-. J. Robertson .. .. .	9327	4 March.
Wheel for bicycles, &c. D. Morgan .. .. .	10086	21 Oct.
Wheel, Gear-. J. H. Howe .. .. .	9850	31 Aug.
Wheel, Locomotive-driving. P. Z. Davis .. .. .	9392	27 March.
Wheel, Pneumatic. C. K. Welch .. .. .	9893	10 Sept.
Wheel, Vehicle-. P. Z. Davis .. .. .	9390	27 March.
Wheels, &c., Axle-box for plough-. W. Joly .. .. .	9584	3 June.
Wheels, disc-coulters, &c., Axle-box for plough-. J. Cockerell and R. H. Harper .. .. .	9545	19 May.
Wheels of cycles, Flexible connection for gear-. J. Robertson .. .. .	9326	4 March.
Wheels, Method of and apparatus for manufacturing hubs for velocipede and other. R. Chillingworth .. .. .	9674	12 July.
Whistle, Steam- or air-. A. S. Ford .. .. .	9613	12 June.
White-lead of high density, Process for manufacture of. T. C. Sanderson .. .. .	9972	8 Oct.
Whitener, Doorstep-. S. Sicklemore .. .. .	9757	6 Aug.
Wick, Candle-. E. B. and P. A. Vaile .. .. .	9692	17 July.
Winch, Clutch for. W. and W. H. Cutten .. .. .	10236	22 Dec.
Winch driving-gear. W. H. and W. Cutten .. .. .	10238	22 Dec.
Windmill. J. Smaill .. .. .	9960	4 Oct.
Windmill. D. Sherriff .. .. .	10205	8 Dec.
Window-fastener. H. Wyatt .. .. .	10144	18 Nov.
Window-frame and -sash, Automatic. J. Sandlant .. .. .	9746	3 Aug.
Window-lights and prismatic glass for windows. J. M. Ewen .. .. .	10007	19 Oct.
Window-lights, Prismatic. J. M. Ewen .. .. .	10016	19 Oct.
Window-lights, tile sections, &c., Devices for mechanically framing. J. M. Ewen .. .. .	10013	19 Oct.
Window-plates, Prismatic. J. M. Ewen .. .. .	10014	19 Oct.
Window, Prismatic canopy for. J. M. Ewen .. .. .	10017	19 Oct.
Window-sash. W. W. Love .. .. .	9885	9 Sept.
Window-sashes, Method and apparatus for hanging. W. J. H. Richards .. .. .	9817	24 Aug.
Window-sash fastener. G. Aitkens and H. Graves .. .. .	9429	10 April.
Window-sash fastener. A. Pascoe .. .. .	9729	28 July.
Window-sash regulator and lock combined. C. C. Morris .. .. .	10087	3 Nov.
Window-screen. R. Spencer .. .. .	9873	8 Sept.
Window, Shop-. W. Moriarty .. .. .	10132	16 Nov.
Window-ventilator. T. Smart .. .. .	10001	16 Oct.
Windows, Combining ornamental and prism lights for. J. M. Ewen .. .. .	10018	19 Oct.
Windows, Prisms for. J. M. Ewen .. .. .	10019	19 Oct.
Wire and wire netting to standards, Device for attaching. W. Roberts, jun. .. .. .	9601	7 June.
Wire, Barbed. S. Reading .. .. .	9908	15 Sept.
Wire, Hook-nail for fastening fencing-. W. Parker .. .. .	9725	24 July.
Wire-fastening for fixing wire on standards. W. J. Philp .. .. .	9255	27 Nov. '96.
Wire fence, Woven-. A. J. Bates .. .. .	9336	6 March.
Wire-fencing apparatus. J. McRae .. .. .	9697	16 July.
Wire-fencing, Metal batten for. W. and J. J. Parker .. .. .	9801	13 Aug.
Wire mattress. F. W. Smith .. .. .	9296	23 Feb.
Wire netting to standards, Contrivance for attaching. W. Roberts, jun. .. .. .	9434	7 April.
Wire-rope cleaner and lubricator. E. W. Lycett .. .. .	9788	13 Aug.
Wire-strainer. A. Baxter .. .. .	9518	12 May.
Wire-strainer. C. B. Keene .. .. .	9519	12 May.
Wire-strainer. J. Robertson .. .. .	9581	18 May.
Wire-strainer. J. D. Walsh .. .. .	9587	4 June.
Wire-strainer. F. Henry .. .. .	9660	30 June.
Wire-strainer. J. D. Walsh .. .. .	9756	6 Aug.
Wire-strainer. G. Harvey .. .. .	9848	27 Aug.
Wire-strainer. W. Page .. .. .	9939	29 Sept.
Wire-strainer. J. G. Oates and R. G. Kemble .. .. .	9993	14 Oct.
Wire-strainer. W. S. Nairn .. .. .	10080	2 Nov.
Wire-strainer and -splicer. E. Bowen .. .. .	9886	9 Sept.
Wire-straining grip for fencing. J. C. Graham .. .. .	10064	29 Sept.
Wire to standards, Means of securing fencing-. W. C. Greig .. .. .	10201	8 Dec.
Wood-carving, Method of. H. J. C. Scott .. .. .	10148	22 Nov.
Wood unflammable, Treatment to render. E. M. Fox .. .. .	9388	27 March.
Wool, &c., Apparatus for washing fabrics. J. H. Coxen .. .. .	10057	27 Oct.
Wool, cotton-waste, &c., Apparatus for degreasing. The Textile-cleaning Company (Limited) .. .. .	9709	22 July.
Wool-drying, Apparatus for use in. H. Ashworth .. .. .	9226	26 Jan.
Wool for scouring, Process for preparing. D. Wishart .. .. .	9270	2 Feb.
Wool, hay, &c., Apparatus for compressing. W. H. Herdman .. .. .	10204	9 Dec.
Woolly-blight, codlin-moth, &c., exterminator. R. A. C. Kerry .. .. .	9980	4 Oct.
Wool-press. J. Harvey .. .. .	9289	20 Feb.
Wool-press. J. H. Angas .. .. .	9631	24 June.
Wool-press. J. L. and J. Zajonskowski .. .. .	10113	11 Nov.
Wool-press or lifting-jack, Lever mechanism for. F. H. Wrigley .. .. .	9225	25 Jan.



ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

Invention and Name of Inventor.	No.	Date.
Wool-washing, Apparatus for. H. Ashworth .. .. .	9329	6 March.
Wrapper cutting-machine, Cigar- or -cigarette. N. du Brul .. .. .	9693	17 July.
Wrapper or envelope. E. B. and P. A. Vaile .. .. .	9691	17 July.
"X-radioscope." J. Hartt and G. O. Duncan .. .. .	10244	23 Dec.
Yeast, Manufacturing nutritious products from. J. Goodfellow .. .. .	10223	17 Dec.
Zinc from the lead, &c., Treating sulphide ore for separation of. B. Mohr .. .. .	9710	22 July.
Zinc-ores, Electrolytic and leaching-treatment of. E. A. Ashcroft .. .. .	9809	20 Aug.
Zinc pigments, Manufacturing. W. Hampe .. .. .	9498	5 May.
Zinc shavings, Manufacturing. P. Strang .. .. .	9879	9 Sept.

## L.—ALPHABETICAL LIST OF APPLICANTS FOR REGISTRATION OF TRADE-MARKS DURING THE YEAR 1897.

Name and Address.	No. of Class.	No. of Application.	Date.
Adams and Co., J., Auckland, N.Z. .. .. .	42	1896	25 Jan.
Adams, H. T., Christchurch, N.Z. .. .. .	22	2061	20 July.
Adelaide Wine Company (Limited), The, Adelaide, S.A. .. .. .	43	2091	18 Aug.
Ahlfeld Brothers and Co., Dunedin, N.Z. .. .. .	13	2183	18 Oct.
Allen and Sons (Limited), S., Townsville, Queensland .. .. .	43	1960	14 April.
Allen and Sons (Limited), S., Townsville, Queensland .. .. .	43	2080	6 Aug.
Allen, R., Riccarton, Canterbury, N.Z. .. .. .	42	1966	26 April.
Allison, Taylor, and Co., London, England .. .. .	5	2232	17 Dec.
American Cereal Company, The, Chicago, U.S.A. .. .. .	42	2046	1 July.
American Cereal Company, The, Chicago, U.S.A. .. .. .	42	2053	24 July.
American Tobacco Company, The, New York, U.S.A. .. .. .	45	2066	24 July.
American Tobacco Company, The, New York, U.S.A. .. .. .	45	2069	29 July.
American Tobacco Company of New Zealand (Limited), The, Auckland, N.Z. .. .. .	45	2001	29 May.
American Tobacco Company of New Zealand (Limited), The, Auckland, N.Z. .. .. .	45	2002	29 May.
American Tobacco Company of New Zealand (Limited), The, Auckland, N.Z. .. .. .	45	2070	29 July.
American Tobacco Company of New Zealand (Limited), The, Auckland, N.Z. .. .. .	45	2071	29 July.
Anglo-New Zealand Cycle Company, Dunedin, N.Z. (See I. S. de Beer, Nos. 2087 and 2199.)			
Anglo-Swiss Condensed Milk Company, Cham, Switzerland; Hamar, Norway; London, Eng.	42	2023	10 June.
Anglo-Swiss Condensed Milk Company, Cham, Switzerland, and London, England .. .. .	42	2067	27 July.
Austral Cycle Agency (Limited), The, Melbourne, Vic.; Coventry, Eng.; Sydney, N.S.W. .. .. .	22	2134	20 Sept.
Austral Cycle Agency (Limited), The, Melbourne, Vic.; Coventry, Eng.; Sydney, N.S.W. .. .. .	22	2135	20 Sept.
Austral Cycle Agency (Limited), The, Melbourne, Vic.; Coventry, Eng.; Sydney, N.S.W. .. .. .	22	2136	20 Sept.
Austral Cycle Agency (Limited), The, Melbourne, Vic.; Coventry, Eng.; Sydney, N.S.W. .. .. .	22	2137	20 Sept.
Austral Cycle Agency (Limited), The, Melbourne, Vic.; Coventry, Eng.; Sydney, N.S.W. .. .. .	22	2138	20 Sept.
Austral Cycle Agency (Limited), The, Melbourne, Vic.; Coventry, Eng.; Sydney, N.S.W. .. .. .	22	2139	20 Sept.
Austral Cycle Agency (Limited), The, Melbourne, Vic.; Coventry, Eng.; Sydney, N.S.W. .. .. .	22	2140	20 Sept.
Austral Cycle Agency (Limited), The, Melbourne, Vic.; Coventry, Eng.; Sydney, N.S.W. .. .. .	22	2141	20 Sept.
Austral Cycle Agency (Limited), The, Melbourne, Vic.; Coventry, Eng.; Sydney, N.S.W. .. .. .	22	2142	20 Sept.
Baker, E. P., Dunedin, N.Z. .. .. .	2	2036	24 June.
Barclay, G. C., New York, U.S.A. .. .. .	48	1925	4 March.
Barclay, G. C., New York, U.S.A. .. .. .	48	1926	4 March.
Barclay, G. C., New York, U.S.A. .. .. .	3	2048	1 July.
Barclay, G. C., New York, U.S.A. .. .. .	3	2049	1 July.
Barclay, G. C., New York, U.S.A. .. .. .	48	2050	1 July.
Barnett Company, G. and H., Philadelphia, U.S.A. .. .. .	12	2231	17 Dec.
Barnett, W., Christchurch, N.Z. .. .. .	3	1970	3 May.
Barnett, W., Le Bon's Bay, Canterbury, N.Z. .. .. .	42	2104	30 Aug.
Batkin, E. C., Wellington, N.Z. .. .. .	45	2182	16 Oct.
Beer, De. (See under D.)			
Bennett and Ready, Wellington, N.Z. .. .. .	44	2063	22 July.
Beril Manufacturing Company, Wellington. (See Frost, Davies, and Co., No. 2194.)			
Birss, A. W. Rangiora, N.Z. .. .. .	44	1965	26 April.
Bishop and Gardner, Christchurch, N.Z. .. .. .	42	1920	25 Feb.
Bishop and Gardner, Christchurch, N.Z. .. .. .	47	1921	25 Feb.
Bishop and Gardner, Christchurch, N.Z. .. .. .	50	1922	25 Feb.
Bliss Company, A. O., Washington, U.S.A. .. .. .	3	2085	13 Aug.
Blondeau et Cie., London, Eng. .. .. .	48	1911	13 Feb.
Booth, Macdonald, and Co., Christchurch, N.Z. .. .. .	6	2176	14 Oct.
Brace, Windle, Blyth, and Company (Limited), Dunedin and Auckland, N.Z., and Walsall, Eng. .. .. .	27	2207	8 Nov.
Bradbury and Co., R. A., Christchurch, N.Z. .. .. .	38	2013	10 May.
Bradley and Cohn, London, Eng. .. .. .	22	1945	29 March.
Braithwaite, J., Dunedin, N.Z. .. .. .	16	2058	13 July.
Braithwaite, J., Dunedin, N.Z. .. .. .	89	2059	13 July.
Braithwaite, J., Dunedin, N.Z. .. .. .	15	2068	29 July.
Braithwaite, J., Dunedin, N.Z. .. .. .	14	2114	7 Sept.
Braithwaite, J., Dunedin, N.Z. .. .. .	50	2115	7 Sept.
Burke (Limited), E. and J., Dublin, Ireland, and Liverpool, Eng. .. .. .	43	2179	14 Oct.
Burke (Limited), E. and J., Dublin, Ireland, and Liverpool, Eng. .. .. .	43	2180	14 Oct.
Burton, H. J., Hastings, N.Z. .. .. .	39	1994	20 May.
Bycroft and Company (Limited), J., Auckland, N.Z. .. .. .	42	2100	28 Aug.
Bycroft and Company (Limited), J., Auckland, N.Z. .. .. .	42	2148	22 Sept.
Bycroft and Company (Limited), J., Auckland, N.Z. .. .. .	42	2150	28 Sept.
Callard and Bowser, London, Eng. .. .. .	42	1980	10 May.
Cameron, A., Sydney, N.S.W. .. .. .	45	1882	5 Jan.
Cameron, A., Sydney, N.S.W. .. .. .	45	1968	28 April.
Cameron, A., Sydney, N.S.W. .. .. .	45	2163	2 Oct.

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

Name and Address.	No. of Class.	No. of Application.	Date.
Cameron and Cameron, Richmond, U.S.A.	45	1913	15 Feb.
Cameron and Cameron, Richmond, U.S.A.	45	2010	3 June.
Cameron and Cameron, Richmond, U.S.A.	45	2202	3 Nov.
Cameron, J. K., Waihi, Hawera, N.Z.	42	2106	1 Sept.
Cammell and Company (Limited), C., Sheffield, Eng.	5	2003	31 May.
Cammell and Company (Limited), C., Sheffield, Eng.	6	2004	31 May.
Cammell and Company (Limited), C., Sheffield, Eng.	12	2005	31 May.
Cammell and Company (Limited), C., Sheffield, Eng.	5	2006	31 May.
Cammell and Company (Limited), C., Sheffield, Eng.	6	2007	31 May.
Cammell and Company (Limited), C., Sheffield, Eng.	12	2008	31 May.
Carnall, R., Auckland, N.Z.	2	2146	22 Sept.
Carnall, R., Auckland, N.Z.	3	2147	22 Sept.
Charlewood, W. T., and another, Christchurch, N.Z.	43	1905	8 Feb.
Charlewood, W. T., and another, Christchurch, N.Z.	43	1906	8 Feb.
Chipman, H. S., Sydney, N.S.W.	7	1932	11 March.
Chipman, H. S., Sydney, N.S.W.	42	2215	25 Nov.
Chong, C., New Plymouth, N.Z.	42	1883	7 Jan.
Christy and Company (Limited), London, Eng.	38	1964	26 April.
Chrystall and Co., Christchurch, N.Z.	42	1908	4 Feb.
Chrystall and Co., Christchurch, N.Z.	42	1989	19 May.
Chrystall and Co., Christchurch, N.Z.	42	2181	15 Oct.
Clarke and Company (Limited), J., Belfast, Ireland	3	1930	11 March.
Clement et Cie., Valence, Drôme, France	43	1957	8 April.
Clement Gladiator and Humber, France (Limited), The, Paris, France, and London, Eng.	22	2020	9 June.
Coats (Limited), J. and P., Paisley, North Britain	23	2190	23 Oct.
Coats (Limited), J. and P., Paisley, North Britain	23	2241	30 Dec.
Cole, H. A., Liverpool, Eng.	24	2084	13 Aug.
Colegrove, G. H., Auckland, N.Z.	42	2055	10 July.
Colegrove, G. H., Auckland, N.Z.	42	2132	18 Sept.
Colegrove and Co. (See G. H. Colegrove.)			
Colman (Limited), J. and J., Norwich and London, Eng.	47	2153	30 Sept.
Colman (Limited), J. and J., Norwich and London, Eng.	47	2154	30 Sept.
Colman (Limited), J. and J., Norwich and London, Eng.	47	2155	30 Sept.
Colman (Limited), J. and J., Norwich and London, Eng.	47	2156	30 Sept.
Colman (Limited), J. and J., Norwich and London, Eng.	47	2157	30 Sept.
Colman (Limited), J. and J., Norwich and London, Eng.	47	2158	30 Sept.
Colman (Limited), J. and J., Norwich and London, Eng.	47	2159	30 Sept.
Colman (Limited), J. and J., Norwich and London, Eng.	47	2160	30 Sept.
Colman (Limited), J. and J., Norwich and London, Eng.	47	2161	30 Sept.
Colman (Limited), J. and J., Norwich and London, Eng.	47	2172	8 Oct.
Colman (Limited), J. and J., Norwich and London, Eng.	47	2186	21 Oct.
Colman (Limited), J. and J., Norwich and London, Eng.	47	2187	21 Oct.
Compagnie du Vin de St. Raphael, Valence. (See Clement et Cie., No. 1957.)	3	2021	9 June.
Comstock Company (Limited), W. H., Sydney, N.S.W.	3	2022	9 June.
Comstock Company (Limited), W. H., Sydney, N.S.W.	42	2096	24 Aug.
Connor, J., Dunedin, N.Z.	47	2031	18 June.
Cook and Co., E., London, Eng.	48	2032	18 June.
Cook and Co., E., London, Eng.	4	2174	12 Oct.
Corry and Co., J. J., Blenheim, N.Z.	4	2175	12 Oct.
Corry and Co., J. J., Blenheim, N.Z.	42	1977	7 May.
Crespin, E. B., Wellington, N.Z.	18	2200	2 Nov.
Crown Ironworks Company (Limited), The, Christchurch, N.Z.	18	2201	2 Nov.
Crown Ironworks Company (Limited), The, Christchurch, N.Z.			
Crystal Lager Brewery Company, Townsville, Queensland. (See S. Allen and Sons, Limited, Nos. 1960, 2080.)	15	2227	15 Dec.
Cussen, E., Auckland, N.Z.	22	2087	16 Aug.
De Beer, I. S., Dunedin, N.Z.	22	2199	1 Nov.
De Beer, I. S., Dunedin, N.Z.	42	2092	19 Aug.
Derby, H., Bunnythorpe, N.Z.	42	1923	1 March.
Diastase Flour Company, The, Needham, Suffolk, Eng.	43	2033	18 June.
Distillers Company (Limited), The, Edinburgh, Scotland	3	1897	28 Jan.
Donnelly, G. P., Crissoge, Hawke's Bay, N.Z.	42	2196	29 Oct.
Dumper, W. W., Auckland, N.Z.	45	1937	16 March.
Dunlop, D., Petersburg, Virginia, U.S.A.	43	2000	25 May.
Dunville and Company (Limited), Belfast, Ireland	42	2018	9 June.
Durie and Co., A., Dunedin, N.Z.	42	2019	9 June.
Durie and Co., A., Dunedin, N.Z.	42	2239	24 Dec.
Durie and Co., A., Dunedin, N.Z.	3	2086	13 Aug.
Dutton, P., Dunedin, N.Z.	39	2034	18 June.
Eagle Pencil Company, The, New York, U.S.A.	47	2097	24 Aug.
Edmond, J., Dunedin, N.Z.	38	2143	21 Sept.
Egmont Boot and Shoe Company, New Plymouth, N.Z.			
Empire Company, The, Wellington, N.Z. (See W. and G. Turnbull and Co., No. 2145.)			
Empress Tea Company, Wellington, N.Z. (See E. B. Crespin, No. 1977.)			
Evans, S. J., Naseby, N.Z.	3	2173	11 Oct.
Excursion Washer Company (Limited), Bradford, Eng.	47	2120	9 Sept.
Farbwerke, vorm. Meister, Lucius and Bruening, Hoechst-on-the-Main, Germany	3	2109	2 Sept.
Farbwerke, vorm. Meister, Lucius and Bruening, Hoechst-on-the-Main, Germany	3	2110	2 Sept.
Ferguson and Co., J., Melbourne, Vic.	43	2236	21 Dec.
Frost, Davies, and Co., Wellington, N.Z.	42	2194	26 Oct.
Finn, Chisholm, and Co., Wellington, N.Z.	42	1950	6 April.
Finn, Chisholm, and Co., Wellington, N.Z.	42	2025	14 June.
Finn, Chisholm, and Co., Wellington, N.Z.	42	2026	14 June.
Finn, Chisholm, and Co., Wellington, N.Z.	42	2079	6 Aug.
Finn, Chisholm, and Co., Wellington, N.Z.	42	2198	30 Oct.
Firth, J. C., Auckland, N.Z.	4	2209	12 Nov.

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

Name and Address.	No. of Classes	No of Applica- tion.	Date.
Fisher and Co., Sydney, N.S.W. (See W. M. Stevenson, Nos. 2037 and 2105.)			
Fletcher, F. W., London, Eng. .. .. .	3	2216	1 Dec.
Fletcher, F. W., London, Eng. .. .. .	43	2217	1 Dec.
Fletcher, Humphreys, and Co., Christchurch, N.Z. (See G. Humphreys and W. T. Charlewood, Nos. 1905 and 1906.)			
Foerderer, R. H., Philadelphia, U.S.A. .. .. .	37	2121	9 Sept.
Foerderer, R. H., Philadelphia, U.S.A. .. .. .	50	2122	9 Sept.
Fox and Company (Limited), S., Sheffield, Eng. .. .. .	13	2065	22 July.
Freyberg, J., Wellington, N.Z. .. .. .	3	1891	16 Jan.
Furness and Co., R., Auckland, N.Z. (See R. Furness, No. 1924.)			
Furness, R., Auckland, N.Z. .. .. .	42	1895	23 Jan.
Furness, R., Auckland, N.Z. .. .. .	42	1924	2 March.
Furness, R., Auckland, N.Z. .. .. .	47	2184	19 Oct.
Gilberd and Sons, J. B., Wanganui, N.Z. .. .. .	43	1987	19 May.
Gilbey (Limited), W. and A., London, Eng. .. .. .	43	1988	19 May.
Gilbey (Limited), W. and A., London, Eng. .. .. .	44	2030	18 June.
Gorman, T., Nelson, N.Z. .. .. .	3	1956	8 April.
Green, W. J., Croydon, Sydney, N.S.W. .. .. .			
Griffin and Co., T. P., London, Eng. (See T. P. Griffin, No. 1981.)			
Griffin, T. P., London, Eng. .. .. .	43	1981	10 May.
Griffiths Cycle Corporation (Limited), J., Dublin, Ireland, and Coventry, Eng. .. .. .	13	1902	5 Feb.
Griffiths Cycle Corporation (Limited), J., Dublin, Ireland, and Coventry, Eng. .. .. .	13	1903	5 Feb.
Griffiths Cycle Corporation (Limited), J., Dublin, Ireland, and Coventry, Eng. .. .. .	22	2057	12 July.
Griffiths Cycle Corporation (Limited), J., Dublin, Ireland, and Coventry, Eng. .. .. .	13	2218	1 Dec.
Grünwald, O., Perth, W. A. .. .. .	42	1940	25 March.
Hallam and Son (Limited), F., Burton-on-Trent, Eng. .. .. .	22	1998	25 May.
Hartford Cycle Company, The, Hartford, U.S.A. .. .. .	40	1999	25 May.
Hartford Rubber Works Company, The, Hartford, U.S.A. .. .. .	42	2233	18 Dec.
Henderson, J. W., Auckland, N.Z. .. .. .	42	1952	8 April.
Higgin and Co., T., Liverpool, Eng. .. .. .	4	1995	20 May.
Hoare, Miller, and Co., Calcutta, India .. .. .			
Hoboken, Van. (See under V.)			
Hondai Hanka Tea Company, Dunedin, N.Z. (See G. T. K. McKenzie, No. 2062.)			
Hondai Hanka Tea Company, Dunedin, N.Z. (See G. T. K. McKenzie, No. 2093.)			
Humphreys, G., and another, Christchurch, N.Z. .. .. .	43	1905	8 Feb.
Humphreys, G., and another, Christchurch, N.Z. .. .. .	43	1906	8 Feb.
Jadoo (Limited), Exeter, Eng. .. .. .	2	2237	23 Dec.
Jameson, Anderson, and Co., Christchurch, N.Z. .. .. .	42	1939	25 March.
Jameson and Son (Limited), J., Dublin, Ireland .. .. .	43	1979	10 May.
Jeyes's Sanitary Compounds Company (Limited), London, Eng. .. .. .	2	1935	12 March.
Jeyes's Sanitary Compounds Company (Limited), London, Eng. .. .. .	2	2042	30 June.
Jeyes's Sanitary Compounds Company (Limited), London, Eng. .. .. .	2	2043	30 June.
Jeyes's Sanitary Compounds Company (Limited), London, Eng. .. .. .	3	2044	30 June.
Joll Brothers, Waitara, N.Z. .. .. .	42	2060	15 July.
Joseph, A. L., Upper Riccarton, Canterbury, N.Z. .. .. .	42	2219	2 Dec.
Joshua Brothers (Limited), Melbourne, Vic. .. .. .	43	2197	29 Oct.
Joyce and Company (Limited), F., London, Eng. .. .. .	19	1912	13 Feb.
Joyce and Company (Limited), F., London, Eng. .. .. .	20	1918	23 Feb.
Kavanagh, M. T. J., and others, Auckland, N.Z. .. .. .	42	1971	5 May.
Keen, Robinson, and Company (Limited), London, Eng. .. .. .	42	2162	2 Oct.
Keesing, H. M., Auckland, N.Z. .. .. .	50	2116	4 Sept.
Kempthorne, Prosser, and Co.'s New Zealand Drug Company (Limited), Christchurch, N.Z. .. .. .	2	2014	7 June.
Kempthorne, Prosser, and Co.'s New Zealand Drug Company (Limited), Christchurch, N.Z. .. .. .	3	2015	7 June.
Kempthorne, Prosser, and Co.'s New Zealand Drug Company (Limited), Christchurch, N.Z. .. .. .	2	2016	7 June.
Kempthorne, Prosser, and Co.'s New Zealand Drug Company (Limited), Christchurch, N.Z. .. .. .	3	2017	7 June.
Kutnow and Company (Limited), S., London, Eng. .. .. .	3	1941	27 March.
Kutnow and Company (Limited), S., London, Eng. .. .. .	3	1942	27 March.
Kutnow and Company (Limited), S., London, Eng. .. .. .	44	1943	27 March.
Lambert and Butler, London, Eng. .. .. .	45	1973	6 May.
Lambert and Butler, London, Eng. .. .. .	45	1974	6 May.
Lambert and Butler, London, Eng. .. .. .	45	1975	6 May.
Lambert and Butler, London, Eng. .. .. .	45	1976	6 May.
Lane and Co., Dunedin, N.Z. .. .. .	42	2072	30 July.
Larney, N. A., Lauriston, N.Z. .. .. .	2	1886	11 Jan.
Larney, N. A., Lauriston, N.Z. .. .. .	2	1936	15 March.
Laurens, E., Alexandria, Egypt, and Paris, France .. .. .	45	1898	3 Feb.
Laurie, C. G. F., Auckland, N.Z. .. .. .	42	2117	8 Sept.
Laurie, C. G. F., Auckland, N.Z. .. .. .	42	2223	8 Dec.
Le Bon's Bay Dairy Company, Le Bon's Bay, N.Z. (See W. Barnett, No. 2104)			
Lever Brothers (Limited), Birkenhead, Eng., and Sydney, N.S.W. .. .. .	47	2118	8 Sept.
Lever Brothers (Limited), Birkenhead, Eng., and Sydney, N.S.W. .. .. .	48	2119	8 Sept.
Levin and Company (Limited), Wellington, N.Z. .. .. .	42	1927	5 March.
Lewis, A. M., Wellington, N.Z. .. .. .	44	2226	14 Dec.
Liebig's Extract of Meat Company (Limited), London, Eng. .. .. .	42	1931	11 March.
Lightband, C. D., Christchurch, N.Z. .. .. .	37	2123	10 Sept.
Lightband, C. D., Christchurch, N.Z. .. .. .	37	2129	10 Sept.
Live-stock Remedy Company, Lauriston, N.Z. (See N. A. Larney, No. 1886.)			
Live-stock Remedy Company, Lauriston, N.Z. (See N. A. Larney, No. 1936.)			
Lyle and Sons (Limited), A., London, Eng. .. .. .	42	2089	16 Aug.
Maconochie Brothers, London and Lowestoft, Eng. .. .. .	42	1961	20 April.
Markwald, H., Wellington, N.Z. .. .. .	50	2171	8 Oct.
Marsden, W. H., Salisbury, S.A. .. .. .	38	2189	21 Oct.
Marshall's Chemical Company (Limited), Dunedin, N.Z. .. .. .	3	1909	10 Feb.
Marshall's Chemical Company (Limited), Dunedin, N.Z. .. .. .	3	1944	27 March.
May Brothers, Ponsonby, Auckland, N.Z. .. .. .	42	2185	20 Oct.
May, W. R., Richmond, Nelson, N.Z. .. .. .	42	2235	21 Dec.
Maypole Company (Limited), The, London, Eng. .. .. .	1	2228	17 Dec.
Maypole Company (Limited), The, London, Eng. .. .. .	4	2229	17 Dec.

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

Name and Address.	No. of Class.	No. of Application.	Date.
Maypole Company (Limited), The, London, Eng.	47	2230	17 Dec.
McGill, J. A., Chicago, U.S.A.	3	1887	13 Jan.
McIntyre and Co., D. C., Christchurch, N.Z.	3	1946	1 April.
McIntyre Brothers, Melbourne, Vic.	42	1910	13 Feb.
McKenzie, G. T. K., Dunedin, N.Z.	42	2062	21 July.
McKenzie, G. T. K., Dunedin, N.Z.	42	2093	20 Aug.
McNaughton, A., Dunedin, N.Z.	42	2012	7 June.
Menzies, and Co., T., Dunedin, N.Z. (See T. Menzies, No. 2039.)	42	2039	28 June.
Menzies, T., Dunedin, N.Z.	2	2133	18 Sept.
Mexican Bot-fly Company, Timaru, N.Z.	42	1948	1 April.
Middlebrook and Stone, Sydney, N.S.W.	1	2177	14 Oct.
Mills, E. J., Glasgow, North Britain	43	2224	9 Dec.
Moreau and Co., H., Sydney, N.S.W. (See H. Moreau, No. 2224.)	6	1967	26 April.
Moreau, H., Sydney, N.S.W.	45	2203	5 Nov.
Moseley and Sons, D., Manchester, Eng.	45	2204	5 Nov.
Muratti, Sons, and Company (Limited), B., Manchester, Eng.	45	2205	5 Nov.
Muratti, Sons, and Company (Limited), B., Manchester, Eng.	45	2206	5 Nov.
Muratti, Sons, and Company (Limited), B., Manchester, Eng.	45	1947	1 April.
National Cigarette Company of Australasia Proprietary (Limited), Melbourne, Vic.	45	2035	24 June.
National Cigarette Company of Australasia Proprietary (Limited), Melbourne, Vic.	48	2214	22 Nov.
Nesbitt, H., Coromandel, N.Z.	42	1919	25 Feb.
New York Condensed Milk Company, New York, U.S.A.	42	2081	9 Aug.
New Zealand Loan and Mercantile Agency Company (Limited), The, Wanganui, N.Z.	46	2011	7 June.
Nimmo and Blair, Dunedin, N.Z.	50	2111	4 Sept.
N. K. Fairbank Company, The, Chicago, U.S.A.	50	2112	4 Sept.
N. K. Fairbank Company, The, Chicago, U.S.A.	42	1901	5 Feb.
Norsewood Co-operative Dairy Company (Limited), South Norsewood, N.Z.	42	2090	17 Aug.
Northern Roller Milling Company (Limited), Auckland, N.Z.	47	1914	19 Feb.
Norton and Co., Aramoho, N.Z.	48	1915	19 Feb.
Norton and Co., Aramoho, N.Z.	50	1916	19 Feb.
Norton and Co., Aramoho, N.Z.	42	1907	9 Feb.
Noton and Son, H. H., Auckland, N.Z. (See H. H. and W. Noton, No. 1907.)	42	2107	2 Sept.
Noton Brothers, Auckland, N.Z. (See W. and R. Noton, No. 2107.)	42	1907	9 Feb.
Noton, H. H., and another, Auckland, N.Z.	42	2107	9 Feb.
Noton, R., and another, Auckland, N.Z.	42	2107	2 Sept.
Noton, W., and another, Auckland, N.Z.	45	2052	1 July.
Noton, W., and another, Auckland, N.Z.	50	1917	23 Feb.
Ogden (Limited), T., Liverpool, Eng.	1	1959	9 April.
Ovenden, F. B., Gisborne, N.Z.	22	1983	11 May.
Ovenden, F. B., Gisborne, N.Z.	49	1984	11 May.
Overman Wheel Company, The, Massachusetts, U.S.A.	42	1881	5 Jan.
Overman Wheel Company, The, Massachusetts, U.S.A.	37	2082	6 Aug.
Oxine (Limited), London, Eng.	3	2178	14 Oct.
Parfumerie Lubin, Paris, France. (See P. Prot, No. 1892.)	44	1938	22 March.
Parfumerie Oriza, Paris, France. (See A. Raynaud and Co., No. 2041.)	44	1938	22 March.
Parker and Lawson, Dunedin, N.Z.	4	1982	11 May.
Paterson, W., Melbourne, Vic.	47	2170	6 Oct.
Perfumery Oriza, Paris, France. (See A. Raynaud and Co., No. 2041.)	22	1997	25 May.
Phillips and Son, Dunedin, N.Z. (See H. W. and W. J. Phillips, No. 1938.)	1	2083	13 Aug.
Phillips, H. W., and another, Dunedin, N.Z.	22	2131	14 Sept.
Phillips, W. J., and another, Dunedin, N.Z.	38	1890	14 Jan.
Phoenix Oil Mill Company (Limited), The, Liverpool, Eng.	38	2151	30 Sept.
Plummer, K., Gisborne, N.Z.	13	2152	30 Sept.
Pope Manufacturing Company, Hartford, U.S.A.	15	2113	4 Sept.
Potter, A. L., Melbourne, Vic.	48	1892	19 Jan.
Pownall and Co., A. B., Wellington, N.Z.	42	2009	31 May.
Pretty and Son, W., Ipswich, Eng.	22	1985	13 May.
Pretty and Son, W., Ipswich, Eng.	43	2041	30 June.
Pretty and Son, W., Ipswich, Eng.	47	2208	11 Nov.
Prismatic Electro Glazing Company, The, Chicago, U.S.A.	12	1899	4 Feb.
Prot et Cie., P., Paris, France. (See P. Prot, No. 1892.)	14	1900	4 Feb.
Prot, P., Paris, France	43	2144	21 Sept.
Queensland Meat Export and Agency Company (Limited), Brisbane and Townsville, Queensland	42	2038	25 June.
Raleigh Cycle Company (Limited), The, Nottingham, England	42	2073	21 July.
Raynaud and Co., A., Paris, France	44	1951	8 April.
Reckitt and Sons (Limited), Sydney, N.S.W., Hull and London, Eng.	24	1953	8 April.
Reece and Sons, E., Christchurch, N.Z.	36	1954	8 April.
Reece and Sons, E., Christchurch, N.Z.	38	1955	8 April.
Robertson, Sanderson, and Company (Limited), Leith, North Britain	22	2238	23 Dec.
Robjohns, Hindmarsh, and Co., Napier, N.Z.	42	1996	22 May.
Robjohns, Hindmarsh, and Co., Napier, N.Z.	18	1990	19 May.
Ross and Sons (Limited), W. A., Belfast, Ireland	18	1991	19 May.
Rylands and Sons (Limited), Manchester, Eng.	18	1992	19 May.
Rylands and Sons (Limited), Manchester, Eng.	18	1993	19 May.
Rylands and Sons (Limited), Manchester, Eng.	42	1884	8 Jan.
Rylands and Sons (Limited), Manchester, Eng.	42	1885	8 Jan.
Rudge-Whitworth (Limited), Coventry, Eng.	42	2045	1 July.
Rudge-Whitworth (Limited), Coventry, Eng.	42	1996	22 May.
Salt Union (Limited), The, London and Liverpool, Eng.	18	1990	19 May.
Scott Brothers, Christchurch, N.Z.	18	1991	19 May.
Scott Brothers, Christchurch, N.Z.	18	1992	19 May.
Scott Brothers, Christchurch, N.Z.	18	1993	19 May.
Scoular and Co., W., Dunedin, N.Z.	42	1884	8 Jan.
Scoular and Co., W., Dunedin, N.Z.	42	1885	8 Jan.
Scoular Brothers and Co., Dunedin, N.Z.	42	2045	1 July.

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

Name and Address.	No. of Class.	No. of Applica- tion.	Date.
Sharland, W. C., Auckland, N.Z.	3	2149	28 Sept.
Shaw, H. J., Christchurch, N.Z.	50	2213	22 Nov.
Sheppard, J. M., and others, Auckland, N.Z.	42	1971	5 May.
Shirley and Co., G., Sydney, N.S.W.	2	2064	22 July.
Simon, J., Westport, N.Z.	42	1962	21 April.
Simpson, C., Northampton and Liverpool, Eng.	47	1904	5 Feb.
Singer and Co., Coventry, Eng. (See G. Singer and J. C. Stringer, No. 2220.)			
Singer Cycle Company (Limited), Coventry and London, Eng.	22	2221	3 Dec.
Singer, G., and another, Coventry, Eng.	22	2220	3 Dec.
Skelton, Frostick, and Co., Christchurch, N.Z.	38	2125	10 Sept.
Skelton, Frostick, and Co., Christchurch, N.Z.	38	2126	10 Sept.
Skelton, Frostick, and Co., Christchurch, N.Z.	38	2127	10 Sept.
Skelton, Frostick, and Co., Christchurch, N.Z.	38	2222	6 Dec.
Smith and Co., S., London, Eng.	3	2123	10 Sept.
Smith and Co., S., London, Eng.	43	2124	10 Sept.
Smith and Smith, Dunedin, N.Z.	15	2047	1 July.
Smith, H. J., Auckland, N.Z.	3	2211	19 Nov.
Soppet, W. H., Auckland, N.Z.	42	2195	29 Oct.
Springfield Cycle Company (Limited), The, Sandiacre, Nottingham, Eng.	22	2024	14 June.
Standard Biscuit Company, San Francisco, U.S.A.	42	1893	20 Jan.
Staples and Co., W. and J., Wellington, N.Z.	38	2098	25 Aug.
Staples and Co., W. and J., Wellington, N.Z.	38	2099	27 Aug.
Star Cycle Company (Limited), The, Wolverhampton, Eng.	22	2240	29 Dec.
Stephens, D. G., and others, Auckland, N.Z.	42	1971	5 May.
Stevenson, W. M., Sydney, N.S.W.	3	2037	24 June.
Stevenson, W. M., Sydney, N.S.W.	3	2105	1 Sept.
Strike, Kroupa, and Co., Wellington, N.Z.	44	2076	2 Aug.
Stringer, J. C., and another, Coventry, Eng.	22	2220	3 Dec.
Sutherland, J. F., Wellington, N.Z.	3	2056	12 July.
Sykes, A. E., New Plymouth, N.Z.	3	2075	2 Aug.
Taunton, L. M., New Plymouth, N.Z.	42	2164	29 Sept.
Taunton, L. M., New Plymouth, N.Z.	42	2165	29 Sept.
Taunton, L. M., New Plymouth, N.Z.	42	1978	10 May.
Taylor, W., Dunedin, N.Z.	42	2108	2 Sept.
Terezol Company (Limited), The, Manchester, Eng.	50	2225	13 Dec.
Thompson and Hills, Auckland, N.Z.	42	2210	16 Nov.
Todd and Son, J. H., Victoria, B.C.	22	1894	21 Jan.
Tonkinson and Co., R. S., Dunedin, N.Z.	47	1949	6 April.
Turnbull and Co., W. and G., Wellington, N.Z.	47	2145	21 Sept.
Turnbull and Co., W. and G., Wellington, N.Z.	38	2212	22 Nov.
Tyree, A., Christchurch, N.Z.	47	2130	11 Sept.
Union Oil, Soap, and Candle Company (Limited), The, Auckland, N.Z.	47	1933	11 March.
Vacuum Oil Company, The, Rochester, U.S.A.; London, Eng.; Melbourne, Vic.	47	1934	11 March.
Vacuum Oil Company, The, Rochester, U.S.A.; London, Eng.; Melbourne, Vic.	42	2101	28 Aug.
Valentine, C. R., London, Eng.	42	2102	28 Aug.
Valentine, C. R., London, Eng.	42	2103	28 Aug.
Van Hoboken and Co., A., Rotterdam, Holland	43	2051	1 July.
Vereinigte Pinsel-Fabriken, Nuremberg, Germany	50	2094	24 Aug.
Vereinigte Pinsel-Fabriken, Nuremberg, Germany	50	2095	24 Aug.
Vickers, G., London, Eng.	39	1986	13 May.
Victoria Date Company (Limited), The, London, Eng.	42	2054	3 July.
Vincent, S., Sydenham, N.Z.	3	1963	24 April.
Vinolia Soap Company, London, Eng. (See Blondeau et Cie., No. 1911.)			
Walker, J. J. S., Christchurch, N.Z.	3	1958	8 April.
Wardell Brothers and Co., Wellington, N.Z.	42	2191	27 Oct.
Wardell Brothers and Co., Wellington, N.Z.	42	2192	27 Oct.
Wardell Brothers and Co., Wellington, N.Z.	42	2193	27 Oct.
Waterbury Watch Company, The, Waterbury, Connecticut, U.S.A.	10	2188	21 Oct.
Wharton, G. E., Gore, Otago, N.Z.	48	2234	20 Dec.
Whitcombe and Tombs (Limited), Wellington, N.Z.	39	2077	6 Aug.
Whitcombe and Tombs (Limited), Wellington, N.Z.	39	2078	6 Aug.
White, G. R., Boston, U.S.A.	3	2088	16 Aug.
White (Limited), A. J., London, Eng.	3	1928	10 March.
White (Limited), A. J., London, Eng.	3	1929	10 March.
Wilkie, J., Auckland, N.Z.	44	1972	5 May.
Wilkins and Field, Wellington, N.Z.	22	1888	14 Jan.
Wilkins and Field, Wellington, N.Z.	22	1889	14 Jan.
Wilkinson, Heywood, and Clark (Limited), London, Eng., and Melbourne, Vic.	1	2027	16 June.
Wilkinson, Heywood, and Clark (Limited), London, Eng., and Melbourne, Vic.	4	2028	16 June.
Wilkinson, Heywood, and Clark (Limited), London, Eng., and Melbourne, Vic.	47	2029	16 June.
Wilson, Balk, and Co., Dunedin, N.Z.	42	2166	5 Oct.
Wilson, Balk, and Co., Dunedin, N.Z.	42	2167	5 Oct.
Wilson, Balk, and Co., Dunedin, N.Z.	42	2168	5 Oct.
Wilson, Balk, and Co., Dunedin, N.Z.	42	2169	5 Oct.
Wilton, G. W., Wellington, N.Z.	3	1969	29 April.
Woodberry Manufacturing Company, Baltimore, U.S.A.	25	2074	2 Aug.
Young, T. and W., Wellington, N.Z. (See T. W. Young, No. 2040.)			
Young, T. W., Wellington, N.Z.	45	2040	28 June.

## M.—ALPHABETICAL LIST OF APPLICANTS FOR REGISTRATION OF DESIGNS DURING THE YEAR 1897.

Name and Address.	No. of Classes.	No. of Applica- tion.	Date.
Birnbaum and Son (Limited), B., London, Eng.	10	87	21 Aug.
Cousins and Atkin, Auckland, N.Z.	3	83	6 July.
Cousins and Atkin, Auckland, N.Z.	3	86	11 Aug.
Danks, T., Christchurch, N.Z.	1	81	6 April.
Gee, G. F., Christchurch, N.Z.	1	79	18 March.
Hatchard, E., Christchurch, N.Z.	5	77	20 Feb.
Hement, T. C., Christchurch, N.Z.	1	78	20 March.
Kohn, S., Wellington, N.Z.	2	82	31 May.
Miller, J., Auckland, N.Z.	3	85	17 July.
Moses, H., Avondale South, Auckland, N.Z.	3	84	14 July.
Reynolds, H. D. A., Dunedin, N.Z.	5	80	11 March.
Suckling Brothers, Christchurch, N.Z.	10	89	4 Oct.
Wedler, A. H. W., Adelaide, S.A.	1	88	30 Sept.

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