

1899.
NEW ZEALAND.

PATENTS, DESIGNS, AND TRADE MARKS.

TENTH ANNUAL REPORT OF THE REGISTRAR.

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

I HAVE the honour, as required by "The Patents, Designs, and Trade Marks Act, 1889," to present my report on the business of the Patent Office for the year ended the 31st December, 1898.

Patents.

The total number of applications received during the year was 1,021, as against 1,093 in the preceding year. The decrease is partially attributable to the falling-off of applications in respect of cycles, only 84 having been lodged during 1898. There was a rapid growth in this class of application during the years 1896 and 1897—130 in 1896, and 164 in 1897—and the sudden drop seems to indicate that the activity of inventors in this industry has reached its highest point, and may now be expected to decline.

With regard to the trend of invention, it is interesting to notice that, coincidentally with the expansion of an industry, there seems to be a stimulation of the inventive faculty in respect of that particular industry. The most striking recent instance is that of cycles, the figures relating to which are given in the preceding paragraph; but similar effects may be witnessed in connection with other industries, though in a minor degree. Thus there is a distinct increase in the applications connected with the acetylene, rabbit, and dredging industries, the figures for the past three years being as follow:—

| | 1896. | 1897. | 1898. |
|--|-------|-------|-------|
| Acetylene | 4 | 11 | 23 |
| Crates for packing and carrying rabbits | ... | 2 | 7 |
| Dredging | 10 | 7 | 12 |

Passing events also seem to have an influence on the course of invention. As an illustration, I quote the increase in the applications in respect of fire-escapes since the disastrous fire in Wellington in December, 1898. In 1896 there were no applications in this class; in 1897, 1; in 1898, 3; while for the first six months of 1899 there have been no less than 10.

As usual, the larger proportion of applications came from inventors resident in New Zealand, of whom there were 616. The United Kingdom contributed 131; Victoria, 85; New South Wales, 65; and the United States, 58. No other country has contributed as many as 20.

Six applications were made under section 106 of the Act, all from the United Kingdom. Applications under this section have a priority over other applications of a similar character, as the protection granted takes effect from the date of filing the application in the country in which it originated.

Thirty applications from women inventors were lodged during the year. Five of these had reference to articles connected with dress.

The first petition for an extension of the term of letters patent ever presented in this colony was received during the year. It was duly referred to the Supreme Court, which reported that the patentees had been inadequately remunerated by their invention, and that the term of their patent should be extended for a further term of seven years. His Excellency the Governor was thereupon pleased to extend the term for a further period of seven years.

Designs and Trade Marks.

Ten applications for registration of designs, and 343 applications for registration of trade marks, were lodged during the year. The fees under these heads amounted respectively to £5 and £385 14s.

General.

Some additional rules were made by Order in Council in May last, and will be found in the Appendix to this report. The only alteration to which attention need be called is the lessening of the fees payable on obtaining extensions of time in which to file a specification or make certain payments.

A new departure has been initiated this year by the publication in the Patent Office *Gazette* of the "claims" made in the specifications of inventions. It has long been the desire of the office to render available to the public particulars of the inventions for which applications for patents have been made. The most satisfactory way would be to print the specifications in full, but this has been found to be impracticable owing to the cost. The "claims," however, as published, give a fair abstract from which a general idea of the novel features of the invention may be gathered, and any one interested is then able to obtain full particulars from the office. I believe the new departure has been appreciated by the public, and I notice that it has been followed in one of the Australian Colonies.

The office staff, though small, is highly efficient.

The presentation of this report has been delayed by the length of time occupied in the preparation and printing of the returns and tables in the Appendix.

F. WALDEGRAVE, Registrar.

Patent Office, Wellington, 20th September, 1899.

APPENDIX.

A.—BALANCE-SHEET of INCOME and EXPENDITURE for the Year ending 31st December, 1898.

| <i>Income.</i> | | | <i>Expenditure.</i> | | |
|------------------------|---------------|------------|---|---------------|------------|
| | £ | s. d. | | £ | s. d. |
| Patent fees | 2,431 | 4 6 | Salaries | 412 | 10 0 |
| Design fees | 5 | 0 0 | Copying specifications, &c. | 22 | 1 5 |
| Trade-mark fees | 385 | 14 0 | Fees to Patent Office Agents | 42 | 17 6 |
| Acts, &c. | 2 | 0 6 | Printing and stationery from Government Printing Office | 45 | 5 9 |
| Other receipts | 0 | 10 0 | Binding, freight, &c., of British specifications and abridgments | 74 | 12 10 |
| | | | Conveying books to and arranging them in new library | 19 | 12 6 |
| | | | Fees refunded | 3 | 0 0 |
| | | | Incidental expenses | 3 | 1 11 |
| | | | Surplus for the year | 2,201 | 7 1 |
| | <u>£2,824</u> | <u>9 0</u> | | <u>£2,824</u> | <u>9 0</u> |

B.—TABLE showing REVENUE and EXPENDITURE for each of the last EIGHT 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 | 1898 .. | 2,824 | 9 0 | 623 | 1 11 | 2,201 | 7 1 |

C.—PARTICULARS of FEES received from the 1st JANUARY to the 31st DECEMBER, 1898.

| | Number. | Fees.— Each. | Amount received. |
|---|---------|-----------------|-------------------|
| PATENTS. | | | |
| Applications for patents with provisional specifications | 508 | £ s. | £ s. d. |
| Applications for patents with complete specifications | 508 | 0 10 | 254 0 0 |
| Complete specifications left after provisional specifications | 144 | 0 10 | 254 0 0 |
| Issue of letters patent | 495 | 2 0 | 72 0 0 |
| Applications to amend specifications | 4 | 1 0 | 990 0 0 |
| Second-term fees payable before end of fourth year | 88 | 5 0 | 4 0 0 |
| Third-term fees payable before end of seventh year | 21 | 10 0 | 440 0 0 |
| Notices of opposition | 7 | 0 10 | 210 0 0 |
| Hearing objections | 2 | 2 0 | 3 10 0 |
| Applications for enlargement of time for deposit of complete specifications | 2 | 1 0 | 4 0 0 |
| Grant of such enlargement | 2 | 5 0 | 2 0 0 |
| Applications for enlargement of time for payment of fees | 14 | 1 0 | 10 0 0 |
| Grant of such enlargement | 16 | 3 0 | 14 0 0 |
| Presenting petition for extension of term | 1 | 2 0 | 48 0 0 |
| Notice of appeal to Supreme Court against decision of Registrar | 1 | 1 0 | 2 0 0 |
| Searches | 274 | 0 1 | 1 0 0 |
| Registration of assignments and licenses | 69 | 0 10 | 13 14 0 |
| Certificates of such registration | 39 | 0 10 | 34 10 0 |
| Copies of specifications, drawings, &c. | .. | .. | 19 10 0 |
| Certifying such copies | 27 | 0 1 | 49 3 6 |
| Correction of clerical errors in specifications, &c. | 3 | 0 5 | 1 7 0 |
| Registration of Patent Agent | 1 | 1 1 | 0 15 0 |
| Miscellaneous | .. | .. | 1 1 0 |
| | | | 2 14 0 |
| | | | <u>£2,431 4 6</u> |
| DESIGNS. | | | |
| Applications for registration of designs | 10 | 0 10 | 5 0 0 |
| | | | <u>£5 0 0</u> |
| TRADE-MARKS. | | | |
| Applications for registration of trade-marks | 341 | 0 5 | 85 5 0 |
| Registration of trade-marks | .. | £1 & 5s. | 237 10 0 |
| Registration of assignments | .. | £1 & 2s. | 27 8 0 |
| Certificates of such registration | 27 | 0 5 | 6 15 0 |
| Notices of opposition | 7 | 1 0 | 7 0 0 |
| Cancellation of registration of trade-mark | 2 | 0 5 | 0 10 0 |
| Request for correction of clerical error | 2 | 0 5 | 0 10 0 |
| Searches | 127 | 0 1 | 6 7 0 |
| Advertisements: Cost of extra space in <i>Gazette</i> | .. | .. | 14 9 0 |
| | | | <u>£385 14 0</u> |

D.—STAFF of OFFICERS and PRESENT SALARIES.

| | £ |
|-------------------------------------|------|
| Registrar* | Nil. |
| Deputy-Registrar | 220 |
| Clerk | 120 |
| Cadet | 85 |
| * Also Under-Secretary for Justice. | |
| <u>£425</u> | |

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

| Year. | Number of Applications with which Complete Specifications lodged. | | Number of Applications with which Provisional Specifications lodged. | | Number of Applications for which Complete Specifications subsequently lodged. | | Number of Applications abandoned, lapsed, or refused. | | Number of Patents sealed. | | Total Number of Applications. |
|-------|---|----------|--|----------|---|----------|---|----------|---------------------------|----------|-------------------------------|
| | N.Z. | Foreign. | N.Z. | Foreign. | N.Z. | Foreign. | N.Z. | Foreign. | N.Z. | Foreign. | |
| 1890 | 242 | 207 | 107 | 60 | 27 | 17 | 202 | 50 | 147 | 217 | 616 |
| 1891 | 187 | 207 | 126 | 69 | 29 | 25 | 191 | 50 | 122 | 226 | 589 |
| 1892 | 202 | 191 | 160 | 53 | 40 | 16 | 237 | 43 | 125 | 201 | 606 |
| 1893 | 198 | 178 | 197 | 52 | 51 | 24 | 262 | 30 | 133 | 200 | 625 |
| 1894 | 278 | 166 | 251 | 61 | 69 | 16 | 352 | 51 | 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 | 87 | 41 | 481 | 95 | 181 | 336 | 1,093 |
| 1898 | 199 | 305 | 419 | 98 | * | * | * | * | * | * | 1,021 |

* 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 1898 inclusive.

| Year. | Patents. | Designs. | Trade-marks. | Total. |
|-------|----------|----------|--------------|--------|
| 1890 | 616 | 5 | 160 | 781 |
| 1891 | 589 | 4 | 225 | 818 |
| 1892 | 606 | 10 | 290 | 906 |
| 1893 | 625 | 1 | 325 | 951 |
| 1894 | 756 | 15 | 347 | 1,118 |
| 1895 | 816 | 14 | 254 | 1,084 |
| 1896 | 992 | 27 | 279 | 1,298 |
| 1897 | 1,093 | 13 | 361 | 1,467 |
| 1898 | 1,021 | 10 | 343 | 1,374 |

G.—NUMBER of APPLICATIONS for PATENTS from Persons residing in New Zealand and other Colonies and Countries in each of the Years 1896, 1897, and 1898.

| | 1896. | 1897. | 1898. | | 1896. | 1897. | 1898. |
|--------------------------|-------|-------|-------|------------------------------|-------|-------|-------|
| New Zealand | 619 | 661 | 616 | Norway | .. | 2 | .. |
| Argentine Republic | 1 | 1 | .. | Ottoman Empire | 1 | .. | .. |
| Austria | 1 | 2 | 1 | Queensland | 8 | 13 | 7 |
| Belgium | 2 | 3 | 5 | Russia | 1 | .. | .. |
| Canada | 2 | 12 | 3 | South African Republic | 3 | 10 | .. |
| Cape of Good Hope | .. | .. | 1 | South Australia | 17 | 18 | 13 |
| Denmark | 2 | 2 | 5 | Spain | .. | 1 | .. |
| France | 8 | 11 | 11 | Sweden | 4 | 2 | 2 |
| Germany | 12 | 10 | 9 | Tasmania | 5 | 5 | 5 |
| India | .. | 1 | .. | United Kingdom | 106 | 127 | 131 |
| Italy | 1 | 2 | .. | United States | 51 | 56 | 58 |
| Natal | .. | 1 | .. | Uruguay | .. | 1 | 1 |
| New South Wales | 72 | 65 | 65 | Victoria | 82 | 87 | 85 |
| Nicaragua | .. | .. | 1 | Western Australia | 4 | 3 | 5 |

NOTE.—In 1898, 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 1896, 1897, and 1898.

| | 1896. | 1897. | 1898. | | 1896. | 1897. | 1898. |
|---------------------|-------|-------|-------|---------------------------|-------|-------|-------|
| New Zealand | 156 | 167 | 175 | India | .. | 1 | 1 |
| Belgium | 3 | .. | .. | New South Wales | 14 | 25 | 21 |
| Canada | .. | 1 | 1 | Norway | .. | 1 | 4 |
| Ceylon | .. | .. | 1 | Queensland | .. | 3 | .. |
| Cuba | 6 | .. | .. | South Australia | .. | 2 | 1 |
| Denmark | .. | .. | 3 | Switzerland | 1 | 2 | 4 |
| Egypt | .. | 1 | .. | Tasmania | .. | 1 | 1 |
| France | 6 | 5 | 3 | United Kingdom | 77 | 124 | 97 |
| Germany | 2 | 4 | 2 | United States | 10 | 33 | 34 |
| Holland | 2 | 1 | .. | Victoria | 11 | 22 | 11 |
| Hungary | .. | .. | 1 | Western Australia | .. | 1 | .. |

NOTE.—In 1896, five applications were received from persons giving addresses in two countries and six from persons giving addresses in three countries; the figures for that year will, therefore, total seventeen 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 1896, 1897, and 1898.

| Classes. | Classification of Goods. | 1896. | 1897. | 1898. |
|----------|--|-------|-------|-------|
| 1 | Chemical substances used in manufactures, photography, or philosophical research, and anti-corrosives | 9 | 5 | 8 |
| 2 | Chemical substances used for agricultural, horticultural, veterinary, and sanitary purposes | 13 | 12 | 11 |
| 3 | Chemical substances prepared for use in medicine and pharmacy | 24 | 40 | 41 |
| 4 | Raw or partly-prepared vegetable, animal, and mineral substances used in manufactures not included in other classes | 7 | 7 | 3 |
| 5 | Unwrought and partly-wrought metals used in manufacture | 1 | 3 | .. |
| 6 | Machinery of all kinds, and parts of machinery, except agricultural and horticultural machines included in Class 7 | 2 | 4 | 2 |
| 7 | Agricultural and horticultural machinery, and parts of such machinery | 3 | 1 | 2 |
| 8 | Philosophical instruments, scientific instruments, and apparatus for useful purposes; instruments and apparatus for teaching | .. | .. | .. |
| 9 | Musical instruments | 1 | .. | .. |
| 10 | Horological instruments | .. | 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 | 2 |
| 13 | Metal goods not included in other classes | 1 | 6 | 5 |
| 14 | Goods of precious metals (including aluminium, nickel, Britannia-metal, &c.) and jewellery, and imitations of such goods and jewellery | .. | 2 | .. |
| 15 | Glass | 3 | 3 | 1 |
| 16 | Porcelain and earthenware | .. | 1 | .. |
| 17 | Manufactures from mineral and other substances for building or decoration | .. | .. | 3 |
| 18 | Engineering, architectural, and building contrivances | 1 | 6 | 3 |
| 19 | Arms, ammunition, and stores not included in Class 20 | .. | 1 | .. |
| 20 | Explosive substances | 2 | 1 | 5 |
| 21 | Naval architectural contrivances and naval equipments | .. | .. | .. |
| 22 | Carriages | 14 | 28 | 7 |
| 23 | Cotton yarn and thread | 1 | 2 | 7 |
| 24 | Cotton piece-goods of all kinds | .. | 2 | .. |
| 25 | Cotton goods not included in Classes 23, 24, and 33 | 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 | .. | .. | 2 |
| 31 | Silk piece-goods | .. | .. | .. |
| 32 | Other silk goods not included in Classes 30 and 31 | .. | .. | .. |
| 33 | Yarns of wool, worsted, or hair | 1 | .. | 1 |
| 34 | Cloth and stuffs of wool, worsted, or hair | 4 | .. | 2 |
| 35 | Woollen and worsted and hair goods not included in Classes 33 and 34 | 1 | .. | 3 |
| 36 | Carpets, floorcloth, and oilcloth | .. | 1 | 3 |
| 37 | Leather, skins, unwrought and wrought, and articles made of leather not included in other classes | 3 | 4 | 5 |
| 38 | Articles of clothing | 19 | 14 | 24 |
| 39 | Paper (except paperhangings), stationery, and bookbinding | 3 | 6 | 7 |
| 40 | Goods manufactured from indiarubber and guttapercha not included in other classes | 1 | 1 | .. |
| 41 | Furniture and upholstery | .. | .. | .. |
| 42 | Substances used as food or ingredients in food | 84 | 91 | 96 |
| 43 | Fermented liquors and spirits | 12 | 22 | 17 |
| 44 | Mineral and aerated waters, natural and artificial, including ginger-beer | 7 | 11 | 6 |
| 45 | Tobacco, whether manufactured or unmanufactured | 14 | 27 | 15 |
| 46 | Seeds for agricultural or horticultural purposes | 2 | 1 | 2 |
| 47 | Candles, common soap, detergents; illuminating, heating, or lubricating oils; matches; and starch, blue, and other preparations for laundry purposes | 21 | 29 | 29 |
| 48 | Perfumery (including toilet articles), preparations for the teeth and hair, and perfumed soap | 6 | 9 | 22 |
| 49 | Games of all kinds, and sporting articles not included in other classes | 1 | 1 | 1 |
| 50 | Miscellaneous | 11 | 13 | 8 |

J.—ALPHABETICAL LIST OF APPLICANTS FOR PATENTS IN THE YEAR 1898.

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

| Name, Residence, and Invention. | No. | Date. |
|---|-------|-----------|
| Abbott, T. B., Sale, Vic. Handle for kerosene-tin | 11111 | 31 Oct. |
| Abercrombie, Luendah E., Richmond, Christchurch, N.Z. Abdominal support | 10909 | 24 Aug. |
| Actien Gesellschaft fur Treber Trocknung and another, Cassel, Germany. (See E. F. Lichtner, No. 10436.) | | |
| Acton-Adams, H. W., Tipapa, Canterbury, N.Z. Castrating- and tailing-instrument | 10407 | March. |
| Adams, Acton-. (See under Acton.) | | |
| Adams, H. H., Auckland, N.Z. Treating ore or quartz | 10474 | 29 March. |
| Adams, J. F., and another, Taplow, Buckinghamshire, Eng. Blind | 10814 | 26 July. |
| Adams, R. N., Dunedin, N.Z. Machine for securing together leaves of pamphlets, &c. | 10378 | 22 Feb. |
| Adams, W., Dunedin, N.Z. Dredge-tumbler | 10954 | 3 Sept. |
| Adams, W., Gisborne, N.Z. Starting horse-races. (J. E. Harries) | 11090 | 20 Oct. |
| Addie, R., and another, Llansamlet, South Wales. (See The Smelting Corporation, Limited, No. 11219.) | | |
| Ah Pat, Inglewood, Taranaki, N.Z. Velocipede-crank | 10709 | 21 June. |
| Ah Pat, Inglewood, Taranaki, N.Z. Bicycle-gearing | 10957 | 9 Sept. |
| Aitken, A., Dunedin, N.Z. Measuring liquids | 10899 | 23 Aug. |
| Aitken, E. P., and another, Wellington, N.Z. Fish-scaler | 10608 | 20 May. |
| Aitken, R., and another, Wellington, N.Z. Fish-scaler | 10608 | 20 May. |
| Albatross Mining and Prospecting Company (Limited), The, Adelaide, S.A. Lamp-wick. (A. G. Saunders) | 10785 | 18 July. |
| Alders, J., Taralga, N.S.W. Sheep-shearing or clipping machine | 10511 | 14 April. |
| Alexander, T. R., Christchurch, N.Z. Bicycle driving-gear | 11209 | 1 Dec. |
| Alexander, W. J., of Totara N., Whangaroa, N.Z. Sash-hanger and rack | 10664 | 8 June. |
| Alexander, W. J., of Totara N., Whangaroa, N.Z. Sash-fastener | 10665 | 8 June. |
| Allan, J. S., Gisborne, N.Z. Cooler and preserver for dairy produce | 10433 | 15 March. |
| Allan, J. S., Gisborne, N.Z. Water-filter | 10613 | 18 May. |
| Allan, J. S., and another, Gisborne, N.Z. Candlestick | 10955 | 5 Sept. |
| Allan, M. J., Collingwood, Vic. Checking cash-payments | 10979 | 12 Sept. |
| Allan, R., Melbourne, Vic. Window-lock | 10724 | 27 June. |
| Allan, R., Melbourne, Vic. Window-lock | 11041 | 10 Oct. |
| Allen, A., and another, Christchurch, N.Z. Appliance to be attached to tram-cars for clearing the rails | 10762 | 7 July. |
| Allen, G., Masterton, N.Z. Horse-shoe attachment to prevent horses cutting their hocks | 10501 | 12 April. |
| Allen, J. B., Auckland, N.Z. Register and indicator for cricket umpire | 11245 | 16 Dec. |
| Ambjörn, P., Comte de Sparr, New Cross, Kent, Eng. Elastic tire and rim for wheel | 11266 | 23 Dec. |
| Amos, G. A., Sydney, N.S.W. Steam cooker | 10490 | 7 April. |
| Anderson, A., and another, Dunedin, N.Z. Motor | 10528 | 22 April. |
| Anderson, C., and another, Christchurch, N.Z. Horse-sling | 10398 | 1 March. |
| Anderson, J., Dunedin, N.Z. Siphon oil-lubricator | 10334 | 31 Jan. |
| Anderson, J., Dunedin, N.Z. Flange for copper washing-boiler | 10412 | 1 March. |
| Anderson, J., Dunedin, N.Z. Liquid-measurer | 10935 | 30 Aug. |
| Anderson, J., Dunedin, N.Z. Curd-cutter | 11033 | 1 Oct. |
| Anderson, J. L., Wellington, N.Z. Tree-stump extractor | 10951 | 8 Sept. |
| Anderson, T., Auckland, N.Z. Scutcher attachment | 10903 | 17 Aug. |
| Anderson, W., Pyrmont, Sydney, N.S.W. Paving streets and roadways | 10973 | 15 Sept. |
| André, G. G., and another, Glenlean, Scotland. Explosive | 10489 | 7 April. |
| Andrew, T., Sydney, N.S.W. Window-sash- and blind-balance | 10950 | 8 Sept. |
| Andrews, W., Wellington, N.Z. Flushing-valve | 10803 | 22 July. |
| Andrews, W., and another, Christchurch, N.Z. Seed-cleaning machinery | 11149 | 10 Nov. |
| Andrews, W. S., and another, Woodside, Manning River, N.S.W. Spring balance and ready reckoner | 11118 | 2 Nov. |
| Angell, W., Dunedin, N.Z. Music-cabinet stool | 11084 | 17 Oct. |
| Anglo-Colonial Chemical Company (Limited), The, London, Eng. Producing artificial scent. (C. Schmidt) | 10672 | 10 June. |
| Anketell, C., Wellington, N.Z. Potato-planter | 10925 | 30 Aug. |
| Appleton, A. E., Tewkesbury, Eng. Nail | 11177 | 23 Nov. |
| Arnaboldi, C. A., Matawhero, Poverty Bay, N.Z. Mountings of swingle-trees for ploughs, &c. | 10717 | 22 June. |
| Arnaboldi, J., Auckland, N.Z. Dynamite shell | 10971 | 10 Sept. |
| Arnold, A., Camperdown, N.S.W. Combination tool | 11081 | 20 Oct. |
| Ashworth, H., Wellington, N.Z. Washing and drying wool | 10347 | 9 Feb. |
| Ashworth, W. J., and another, Dursley, Gloucester, Eng. (See R. A. Lister and Co., Limited, No. 10671.) | | |
| Askin, G. K., and another, Ashburton, Canterbury, N.Z. Bicycle-support | 10718 | 22 June. |
| Asmus, W., Albert Park, Vic. Ventilating mines | 10323 | 27 Jan. |
| Aston, V. S., Gisborne, N.Z. Handle to enable kerosene-tins to be used as buckets | 10463 | 21 March. |
| Astral Incandescent Lighting Company (Limited), The, Sydney, N.S.W. Manufacturing incandescent subjects. (J. L. Schmidt and H. Caspers) | 11056 | 13 Oct. |
| Atkin, A. C., Auckland, N.Z. 'Bus or car name-indicator lamp | 10812 | 21 July. |
| Austin, G. B. H., Armadale, Vic. Propulsion of cycles | 10619 | 26 May. |
| Austin, T. H., and another, Greymouth, N.Z. Spur-gearing for driving bicycle | 10967 | 7 Sept. |
| Automatic Gas Lighting and Extinguishing Company (Limited), The (Hoare and Kennedy's Patent), Perth, W.A. Lighting and extinguishing gas-jets. (H. Hoare and M. J. Kennedy) | 10822 | 28 July. |
| Axten, C. J., and another, Middlesex, Eng. Meat- and provision-safe | 10790 | 18 July. |
| Ayles, A. M., and another, Fremantle, W.A. Thin metal piping | 10640 | 1 June. |
| Bacon, W., and another, Paddington, Sydney, N.S.W. Rotary wool-cutting machine | 10699 | 18 June. |
| Baddeley, C., and another, London, Eng. (See J. H. Decent, No. 10366) | | |
| Bagnall, A. E., Turua, Thames, N.Z. Railway-line defect-indicator | 10674 | 7 June. |
| Bagnall, A. E., Turua, Thames, N.Z. Extension-plate attachment to ploughshare | 10697 | 13 June. |
| Bailey, J., and another, Wellington, N.Z. Depilating hides and skins | 10307 | 21 Jan. |
| Bain, A. M., Dunedin, N.Z. Turning over leaves of music, &c. | 10548 | 29 April. |
| Bain, A. M., Dunedin, N.Z. Music-turner | 10946 | 5 Sept. |
| Bain, W., Casino, Richmond River, N.S.W. Composition for destroying white ants, &c. | 10789 | 14 July. |
| Baird, N. L., and another, Christchurch, N.Z. Advertising-signs | 10465 | 7 April. |
| Baker, C. P., and another, Eltham, Taranaki, N.Z. Instrument for levelling and determining positions | 11155 | 14 Nov. |

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS IN THE YEAR 1898—*continued.*

| Name, Residence, and Invention. | No. | Date. |
|---|-------|-----------|
| Baker, F., Caulfield, Vic. Shield or guard for handles of axes, &c. | 10880 | 17 Aug. |
| Baker, F., Caulfield, Vic. Spike and holdfast for securing rails, decking, platforms, &c. | 10919 | 29 Aug. |
| Baker, F., and another, Caulfield, Vic. Securing axe-, hammer-, and pick-heads to handles | 10260 | 5 Jan. |
| Baker, J., Invercargill, N.Z. Cycle driving-gear | 10825 | 26 July. |
| Baker, J., Winton, Southland, N.Z. Cycle driving-gear | 11147 | 11 Nov. |
| Balfour, J. W., Sydney, N.S.W. Driving-gear for cycles, &c. | 10458 | 23 March. |
| Ballinger, A. S., and another, Wellington, N.Z. Water-closet seat. (W. C. Robison) | 10840 | 4 Aug. |
| Ballinger, W. H., and another, Wellington, N.Z. Water-closet seat. (W. C. Robison) | 10840 | 4 Aug. |
| Ballinger, T., and another, Wellington, N.Z. Clip-bracket for spouting | 10956 | 9 Sept. |
| Barber, E. H., Gisborne, N.Z. Saving potash from suint or yolk of fleeces | 11116 | 29 Oct. |
| Barklie, J., Geraldine, N.Z. Mattrass | 10771 | 11 July. |
| Barlass, W., Wellington, N.Z. Siphon for water-closet cistern | 10371 | 19 Feb. |
| Barnes, G., Melbourne, Vic. (See W. W. Cabena, No. 10390.) | | |
| Barningham, S., and others, Dunedin, N.Z. Cooking-range | 10462 | 21 March. |
| Bartlett, E., Hawera, N.Z. Vehicle-brake | 11251 | 20 Dec. |
| Barugh, J., and another, Kerikeriroa, Waikato, N.Z. Multi-tine mouldboard for plough | 11168 | 15 Nov. |
| Basley, F. E., and another, Auckland, N.Z. Finger-circle to carry pencil | 11223 | 6 Dec. |
| Basley, P. H., Auckland, N.Z. Window-sash for preventing catch on same being opened from outside | 10913 | 23 Aug. |
| Bastard, S. S., Auckland, N.Z. Treating flax | 10482 | 31 March. |
| Bastard, S. S., Auckland, N.Z. Treating flax | 11184 | 21 Nov. |
| Bates, P. A. C., Sydney, N.S.W. Pavement composition | 10300 | 20 Jan. |
| Batten, A., Sydenham, Canterbury, N.Z. Appliance for shifting and draining clothes in the process of washing | 10477 | 4 April. |
| Bayliff, T. D., and others, Birkenhead, Eng. Animal-, fish-, or vermin-trap | 11058 | 13 Oct. |
| Bayliff, W., and others, Birkenhead, Eng. Animal-, fish-, or vermin-trap | 11058 | 13 Oct. |
| Beadle, C., Dunedin, N.Z. Converting range- or stove-fireplace into open fireplace | 10631 | 26 May. |
| Beale, J. B., Palmerston North, N.Z. Branding instrument | 10844 | 22 Nov. |
| Bearsley, A., and another, Christchurch, N.Z. Envelope | 10557 | 3 May. |
| Beaudry, Z., Lynn, Massachusetts, U.S.A. (See Xpedite Machine Company, No. 11138.) | | |
| Beaven, A. W., and another, Christchurch, N.Z. Seed-cleaning machinery | 11149 | 10 Nov. |
| Bechi, De. (See under D.) | | |
| Becker, E., Temora, N.S.W. Sheep-shearing machine | 11197 | 28 Nov. |
| Bedell, H. G., Wellington, N.Z. Cycle-pedal and toe-clip | 10361 | 16 Feb. |
| Bedell, H. G., Wellington, N.Z. Beading-spouting dies | 10915 | 29 Aug. |
| Bedell, H. G., and another, Wellington, N.Z. Skylight | 10761 | 8 July. |
| Bedell, H. G., and another, Wellington, N.Z. Raising water | 11045 | 10 Oct. |
| Bedell, H. G., and another, Wellington, N.Z. Water-closet siphon | 11095 | 25 Oct. |
| Bedell, H. G., and another, Wellington, N.Z. Ball-cock for water-cisterns | 11096 | 25 Oct. |
| Bedell, H. G., and another, Wellington, N.Z. Valve for flushing water-closets and drawing off liquids | 11231 | 13 Dec. |
| Beeche, H. J., Paeroa, N.Z. Remedy for indigestion, constipation, &c. | 11004 | 28 Sept. |
| Beeman, J. S., London, Eng. Putting up tobacco | 10441 | 18 March. |
| Beeman, J. S., London, Eng. Tipping cigarettes | 10447 | 19 March. |
| Beeman, J. S., London, Eng. Machinery for providing cigarettes with reinforcement or mouth-end | 10727 | 27 June. |
| Beeman, J. S., London, Eng. Machinery for finishing end of cigarette | 10728 | 27 June. |
| Beeman, J. S., London, Eng. Coating and applying machine | 10755 | 7 July. |
| Beere, G. B., Devonport, Auckland, N.Z. Silt-punt | 10337 | 1 Feb. |
| Belk, J. A., Feilding, N.Z. Eyelet-fastener for boot or shoe | 10345 | 8 Feb. |
| Belk, J. A., and another, Feilding, N.Z. Marking or branding meat | 10333 | 1 Feb. |
| Belk, M., and another, Palmerston North, N.Z. Marking or branding meat | 10333 | 1 Feb. |
| Bell, E. T. D., Wellington, N.Z. Pneumatic tire. (R. Wapshare) | 10998 | 23 Sept. |
| Bell, J. R., and another, Halfway, Sheffield, Eng. (See J. S. Smith, No. 11220.) | | |
| Benedict, A. J., London, Eng. Galvanic battery. (W. S. Doe) | 10266 | 5 Jan. |
| Bennett, F., Christchurch, N.Z. Plough | 10576 | 9 May. |
| Bennett, H., and another, London, Eng. Tool for removing and replacing cover of pneumatic tire | 11192 | 25 Nov. |
| Bennett, T., and another, London, Eng. Tool for removing and replacing cover of pneumatic tire | 11192 | 25 Nov. |
| Berg, J. A., and another, Ashburton, N.Z. Conveying attachment for reaper-and-binder | 10364 | 28 Feb. |
| Bergin, A., Wellington, N.Z. Dressing flax | 10324 | 27 Jan. |
| Bergin, A., Wellington, N.Z. Dressing flax | 11034 | 6 Oct. |
| Bergman, V., and another, Mysis, Vic. Boot fastening or clasp | 11042 | 10 Oct. |
| Best, F., Stratford, Taranaki, N.Z. Pipe-wrench | 11233 | 9 Dec. |
| Bett, P. S. B., and another, Dunedin, N.Z. Coal, peat, or wood fire-box | 10319 | 23 July. |
| Betts, G. J., and another, St. Kilda, Vic. Puncture-closing composition for pneumatic tire. (E. Thurlow and P. N. Hignett) | 10507 | 14 April. |
| Bickerton, A. W., Christchurch, N.Z. Carbo-celluloid building | 10695 | 16 June. |
| Bickerton, W. H., Christchurch, N.Z. Effervescing drink | 11225 | 8 Dec. |
| Bigelow, J. A., North Richmond, Vic. (See G. E. Spicer, No. 10530.) | | |
| Bindon, J. W., Ohaeawai, Bay of Islands, N.Z. Recording score in cricket-match | 11055 | 13 Oct. |
| Binns, J. H., and another, Pyrmont, Sydney, N.S.W. Flooring. (A. M. Nelson) | 10821 | 28 July. |
| Birch, W. H., Footscray, Melbourne, Vic. Screen and draught-increaser for fire-grate. (J. Rees) | 10505 | 14 April. |
| Bishop, R. H., and another, Middlesex, Eng. Meat- and provision-safe | 10790 | 18 July. |
| Black, T. A., and another, Fendalton, Christchurch, N.Z. Applying forced draught to furnaces | 11252 | 19 Dec. |
| Blackhall, T. N., and another, Eltham, Taranaki, N.Z. Instrument for levelling and determining positions | 11155 | 14 Nov. |
| Blackwood, J. H., Onehunga, N.Z. Ventilating ridging for building | 11024 | 26 Sept. |
| Blaker, W., and others, Brighton, Eng. Indicating or recording distance, time, and fare for vehicles, &c.; also applicable as an advertising medium | 10754 | 7 July. |
| Blantern, T. W., and others, Birmingham, Eng. Attaching wire fabrics to bedsteads, &c. | 10388 | 28 Feb. |
| Blaxland, F., and another, Cooma, N.S.W. Operating mechanism for wool-press | 11113 | 31 Oct. |
| Blenkinsop, G. H., Swansea, South Wales. Smelting ores containing lead and zinc | 10332 | 31 Jan. |
| Book, P., Wellington, N.Z. Reclining-chair | 11005 | 28 Sept. |
| Boidin, A., and another, Seclin (Nord), France. Manufacture of alcohol | 11131 | 7 Nov. |

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS IN THE YEAR 1898—*continued.*

| Name, Residence, and Invention. | No. | Date. |
|---|-------|-----------|
| Boidin, A., and another Seclin (Nord), France. Manufacture of alcohol | 11132 | 7 Nov. |
| Bond, E., and another, Auckland, N.Z. Compressing air for motive purposes .. | 10995 | 20 Sept. |
| Boock, J., and another, Woodside, Manning River, N.S.W. Spring balance and ready reckoner | 11118 | 2 Nov. |
| Booker, F., Charlton, Kent, Eng. (See Siemens Brothers and Co., Limited, No. 11047.) | | |
| Bower, F. T., and another, St. Kilda, Vic. Puncture-closing composition for pneumatic tire. (E. Thurlow and P. Hignett) | 10507 | 14 April. |
| Boyd, H., Tamworth, Eng. Explosive | 11018 | 29 Sept. |
| Boyens, W. H., and another, Kaikoura, N.Z. Sheep-brand | 10328 | 28 Jan. |
| Boyens, W. H., and another, Kaikoura, N.Z. Sheep-brand | 11228 | 12 Dec. |
| Boyle, W. G., and another, Mysia, Vic. Boot fastening or clasp | 11042 | 10 Oct. |
| Bradley, C. S., New York, U.S.A. Electric furnace | 11187 | 25 Nov. |
| Bradley, J. R., and others, North Unley, S.A. Machine for labelling tins, jars, bottles, &c. .. | 10305 | 21 Jan. |
| Braid, A., Dunedin, N.Z. Wire-strainer | 10346 | 8 Feb. |
| Brain, W. B., Auckland, N.Z. Machine for cleansing and bleaching garments or extracting oleine from milk | 10614 | 19 May. |
| Brainard, A., Hartford, U.S.A. Paper-bag machine. (E. E. Claussen) | 11158 | 14 Nov. |
| Braly, L., Lyons, France. Auto-luminous composition | 10326 | 27 Jan. |
| Breese, W. G., Christchurch, N.Z. Chaff-cutter | 10625 | 23 May. |
| Brewer, W. J., and another, London, Eng. Auto-motor carriage or vehicle | 11229 | 12 Dec. |
| Brewerton, S. R., Wai-iti, Nelson, N.Z. Belt-fastener | 10644 | 1 June. |
| Brierley, W., Nelson, Lancaster, Eng. Railway-signalling apparatus | 10303 | 21 Jan. |
| Brinsley, R., and another, Dunedin, N.Z. Coal, peat, or wood fire-box | 10819 | 23 July. |
| Bristow, C., Marton, N.Z. Tin-opener | 10706 | 21 June. |
| Brittin, H. E., Kent Town, S.A. Filtering apparatus for beer | 11237 | 15 Dec. |
| Broad, A., and others, Dunedin, N.Z. Scrubbing-, shoe-, or stove-brush | 10526 | 21 April. |
| Bromley, W., and another, Dunedin, N.Z. Apparatus and composition for destroying moths, larvæ, and the like | 10720 | 25 June. |
| Brooks, T., and another, Freemantle, W.A. Metal piping | 10640 | 1 June. |
| Brown, D. G., North Fitzroy, Vic. Method of and book for checking sales of goods | 10275 | 11 Jan. |
| Brown, J., Wellington, N.Z. Cycle driving-gear | 10681 | 13 June. |
| Brown, J. F., Auckland, N.Z. Machine for painting Venetian blinds | 10911 | 23 Aug. |
| Brown, J. L., jun., Bowenfels, N.S.W. Instrument for measuring limited lengths and calculating fractional parts thereof | 11015 | 29 Sept. |
| Brown, J. L., jun., Bowenfels, N.S.W. Horse-shoe attachment | 11014 | 29 Sept. |
| Brown, J. R., and another, Harrison Hot Springs, B.C., Canada. Rock-crusher | 10264 | 6 Jan. |
| Brown, W., Dunedin, N.Z. Draught-increasing device for fireplace | 11247 | 19 Dec. |
| Bryant, T. H., Sydney, N.S.W. Mode of and apparatus for extracting edible fat and meat-juices from animal carcasses | 11221 | 8 Dec. |
| Bryant, W. H., Wellington, N.Z. Music-turner | 10734 | 29 June. |
| Buckland, A. J., and another, Dunedin, N.Z. Preserving-pan | 10835 | 2 Aug. |
| Buckland, H., Dunedin, N.Z. Fencing-tool | 10832 | 30 July. |
| Buckland, H., and another, Dunedin, N.Z. Preserving pan | 10835 | 2 Aug. |
| Burden, J. A., jun., New York, U.S.A. Fire-extinguisher. (G. H. Downing) | 10924 | 30 Aug. |
| Burnet, E., Chorley, Lancashire, Eng. (See W. Burnet, No. 10536.) | | |
| Burnet, W., Wellington, N.Z. Electric battery. (E. Burnet) | 10536 | 27 April. |
| Burns, T. B., and another, Bristol, Eng. Target | 10585 | 13 May. |
| Burrows, P. F. M., Hunterville, N.Z. Reel for wire-straining | 10883 | 18 Aug. |
| Burrows, P. F. M., Hunterville, N.Z. Ratchet and lever-key for operating wire-strainers | 10922 | 29 Aug. |
| Burrows, P. F. M., Hunterville, N.Z. Wire-strainer | 10923 | 29 Aug. |
| Burrows, P. F. M., Hunterville, N.Z. Wire-strainer | 11180 | 23 Nov. |
| Burton, F. P., Dargaville, Auckland, N.Z. A game | 11200 | 25 Nov. |
| Burton, G. D., Boston, U.S.A. Electric furnace | 10263 | 4 Jan. |
| Burton, W. H., and another, Tokatoka, Auckland, N.Z. Rotary engine | 10419 | 4 March. |
| Burton, W. H., and another, Tokatoka, Auckland, N.Z. Rotary engine | 10481 | 1 April. |
| Burton, W. H., and another, Tokatoka, Auckland, N.Z. Method of compressing air for motive purposes | 10995 | 20 Sept. |
| Burton, W. H., and another, Tokatoka, Auckland, N.Z. Rotary steam-, gas-, or oil-engine | 11238 | 13 Dec. |
| Bush, E. D., Sydney, N.S.W. Manufacturing and securing metal sheets for fireproof structures | 10949 | 8 Sept. |
| Buskirk, Van. (See under V.) | | |
| Butcher, J. W., and another, Sydney, N.S.W. Incandescent oil-lamp burner | 10529 | 25 April. |
| Butler, G. P., and another, New York, U.S.A. Machine for stemming tobacco-leaves .. | 10881 | 17 Aug. |
| Butler, W. H., and another, New York, U.S.A. Machine for stemming tobacco-leaves .. | 10881 | 17 Aug. |
| Button, H. L. W., Launceston, Tas. Nail | 10340 | 4 Feb. |
| Byers, T., Essendon, Bourke, Vic. Furniture-caster | 11261 | 22 Dec. |
| Cabena, W. W., Melbourne, Vic. Shoe-fastener. (G. Barnes) | 10390 | 28 Feb. |
| Cabena, W. W., Melbourne, Vic. Bootlace-fastening. (A. Menesdorffer) | 11080 | 20 Oct. |
| Cahill, T., Washington, U.S.A. Typewriting-machine | 10700 | 20 June. |
| Cain, G. H., Sale, Vic. Corset attachment for supporting skirts | 11205 | 1 Dec. |
| Caithness, D., Maitaura, N.Z. Governor | 10527 | 21 April. |
| Cameron, A., jun., Richmond, Virginia, U.S.A. Box or can, with means for opening same .. | 10524 | 19 April. |
| Campbell, H., Dannevirke, N.Z. Curd-cutter attachment to curd-mills | 10455 | 23 March. |
| Campbell, J., Te Aroha, Auckland, N.Z. Process for producing illuminating and heating coal-gas | 10905 | 28 Sept. |
| Carbone, T. L., Monte Video, Uruguay. Apparatus for making sheet-metal boxes | 10587 | 12 May. |
| Carder, G., and others, Auckland, N.Z. Earthenware nightsoil-pan | 10367 | 14 Feb. |
| Carder, W., and others, Auckland, N.Z. Earthenware nightsoil-pan | 10367 | 14 Feb. |
| Carlson, O. F., Stockholm, Sweden. Explosive | 10800 | 21 July. |
| Carreer-Dilger, E., and another, Bruges, Belgium. Acetylene-gas generator | 10779 | 18 July. |
| Carter, T. E., Auckland, N.Z. Vamping-chart | 10290 | 15 Jan. |
| Caspers, H., and another, Albury, N.S.W. (See the Astral Incandescent Lighting Company, Limited, No. 11056.) | | |
| Castle, F., Auckland, N.Z. Fire-alarm | 10661 | 4 June. |
| Cavell, A. T., and another, Havelock, N.Z. Driving-gear for velocipede | 10416 | 8 March. |
| Chambers, J., and another, Auckland, N.Z. Candle-holder | 10359 | 9 Feb. |
| Chambers, J., and another, Auckland, N.Z. Tongue-and-socket connection for holding lantern to miner's billy | 10360 | 9 Feb. |

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS IN THE YEAR 1898—continued.

| Name, Residence, and Invention. | No. | Date. |
|---|-------|--------------|
| Chapman, R. W., and another, Christchurch, N.Z. Dropper for wire-fencing | 10829 | 28 July. |
| Chapman, W. H., and another, Christchurch, N.Z. Circular billiard-table | 10522 | 16 April. |
| Christie, A., Newcastle, N.S.W. Butter-printing and weighing machine | 10746 | 5 July. |
| Christophersen, J., and others, Dannevirke, Hawke's Bay, N.Z. Bicycle- or tricycle-crank | 10291 | 18 Jan. |
| Christophersen, M., and others, Dannevirke, Hawke's Bay, N.Z. Bicycle- or tricycle-crank | 10291 | 18 Jan. |
| Chubbin, C. J. E., Hunterville, N.Z. Fencing-staple | 10414 | 8 March. |
| Clancy, J. C., Glasgow, Scotland. (See T. J. Denny, No. 10509.) | | |
| Clapcott, F. B., Auckland, N.Z. Bed- and foot-warmer | 10806 | 15 July. |
| Clark, E. L., and another, Henderson, Auckland, N.Z. Table for brick-making | 10610 | 16 May. |
| Clark, G. H., Boston, U.S.A. Pneumatic wheel-tire | 10486 | 7 April. |
| Clarke, C., West Oxford, N.Z. Hoing and combination seed- and manure-drill, cultivator, and furrower | 10270 | 29 Dec., '97 |
| Clarke, J., Boston, U.S.A. Warp-drawing machine. (M. F. Field) | 10431 | 15 March. |
| Claussen, E. E., Hartford, U.S.A. (See A. Brainard, No. 11158.) | | |
| Claydon, G., Addington, Christchurch, N.Z. Force ejector for oil-can | 10430 | 12 March. |
| Claydon, G., Addington, Christchurch, N.Z. Oil-can for lubricating with force ejecting-pump | 10759 | 6 July. |
| Claydon, G., and another, Addington, Christchurch, N.Z. Applying forced draught to furnaces | 11252 | 19 Dec. |
| Clayton, C., Gore, Southland, N.Z. Regulating draught in open fireplace | 10867 | 12 Aug. |
| Clements, T., Launceston, Tasmania. Potato moulder and cultivator | 11203 | 1 Dec. |
| Clere, F. de J., and another, Wellington, N.Z. Expansion pipe-joint | 11079 | 20 Oct. |
| Clutterbuck, W. A., and another, Adelaide, S.A. Feed device for fertiliser-drill | 10945 | 5 Sept. |
| Coates, G., Ngairi, Taranaki, N.Z. Wire-strainer | 10394 | 1 March. |
| Coates, G., Ngairi, Taranaki, N.Z. Fencing-wire strainer | 10589 | 14 May. |
| Cochrane, D. M. B. H., London, Eng. Velocipede-saddle | 10261 | 5 Jan. |
| Cockerell, J. and another, South Yan Yean, Vic. Potato-plough | 10975 | 15 Sept. |
| Cockerell, R., Dunedin, N.Z. Lifting and directing battery-stamps for crushing quartz, &c. | 10580 | 29 April. |
| Cockerell, R., Dunedin, N.Z. Puddling- and screening-machine | 11152 | 10 Nov. |
| Cole, D., Mordialloc, Vic. Preserving flowers, fruit, &c. | 11009 | 28 Sept. |
| Coles, Cowper-. (See under Cowper.) | | |
| Collette, A., fils, and another, Seclin (Nord), France. Manufacture of alcohol | 11131 | 7 Nov. |
| Collette, A., fils, and another, Seclin (Nord), France. Manufacture of alcohol | 11132 | 7 Nov. |
| Collins, N., and another, London, Eng. (See The Empire Cash Register, Limited, No. 11270.) | | |
| Colman, F. A., Hawera, N.Z. Washing-machine | 10930 | 31 Aug. |
| Colquhoun-Thomson, J., Walthalla, Vic. Crushing and classifying quartz and other ores | 10659 | 7 June. |
| Comte de Sparr. (See under D.) | | |
| Congreve, W., Christchurch, N.Z. Stove | 10289 | 13 Jan. |
| Cook, G. H., Russell, Auckland, N.Z. Whale-net | 10647 | 28 May. |
| Cook, J., jun., Pleasant Point, Canterbury, N.Z. Plough | 10769 | 9 July. |
| Cook, J., jun., Pleasant Point, Canterbury, N.Z. Cutting-knife or blade for chaff-cutter | 11103 | 25 Oct. |
| Cooke, J., and another, Melbourne, Vic. Rabbit-crate. (T. Durkin and A. Smillie) | 10620 | 26 May. |
| Cooke, J., and another, Melbourne, Vic. Tray for use in refrigeration of rabbits and hares | 10621 | 26 May. |
| Cooper, F., and another, Sydenham, Canterbury, N.Z. Point or switch for overhead rails | 10397 | 1 March. |
| Cooper, G. J., Herbert, Oamaru, N.Z. Trap-tongue protecting platform for rabbit-trap | 11086 | 17 Oct. |
| Cooper, Harriet, Wellington, N.Z. Washing-board and dolly combined | 10890 | 19 Aug. |
| Cooper, J. E., and another, Withernsea, York, Eng. Auto-motor carriage or vehicle | 11229 | 12 Dec. |
| Cooper, W., Gisborne, N.Z. Air-cooler | 10327 | 24 Jan. |
| Cooper, W., Gisborne, N.Z. Lever | 10429 | 7 March. |
| Cooper, W., Gisborne, N.Z. Cutting-bar for use in hard ground in fencing | 10498 | 7 April. |
| Cooper, W., Gisborne, N.Z. Wire-strainer | 10499 | 7 April. |
| Cope, H. S., Melbourne, Vic. Amalgamator | 10373 | 19 Feb. |
| Corbett, C. H. B., Sydney, N.S.W. Peg cut-off mechanism for boot-sole-pegging machine. (M. G. Witham) | 11114 | 31 Oct. |
| Corbett, F. J., South Yarra, Vic. Fire extinguisher | 10575 | 10 May. |
| Cornet, P., Verviers, Belgium. Explosive | 10573 | 10 May. |
| Cornwell, J., Auckland, N.Z. Scutching-machine | 10721 | 21 June. |
| Corrick, Elizabeth, Wellington, N.Z. Clothes-washing appliance | 11119 | 2 Nov. |
| Corrick, H., Wellington, N.Z. Cycling-boot or shoe | 10992 | 22 Sept. |
| Corrick, H., Wellington, N.Z. Cycling- or walking-shoe | 11136 | 10 Nov. |
| Corrigan, M., and another, Wellington, N.Z. Potato peeler and cleaner | 10714 | 23 June. |
| Cosslett, R., Devonport, Auckland, N.Z. Venetian blind, cornice, and curtain-pole | 10723 | 22 June. |
| Cotton, A. H., Kaihu, Dargaville, Auckland, N.Z. Mustard-pot | 10525 | 16 April. |
| Cotton, A. H., Kaihu, Dargaville, Auckland, N.Z. Inch and quarter-of-inch measurement on straps of braces | 10629 | 21 May. |
| Cotton, A. H., Kaihu, Dargaville, Auckland, N.Z. Hair-comb and cleaner attachment | 11129 | 1 Nov. |
| Cotton, A. H., Auckland, N.Z. Hospital mattress | 11249 | 16 Dec. |
| Cottrell, J., Surrey, Eng. Wheel-rim and means of securing pneumatic tube-cover thereto | 10284 | 13 Jan. |
| Coubrough, A., Wellington, N.Z. Extracting titanio acid or titanium from ironsand | 11036 | 7 Oct. |
| Cowper-Coles, S. O., London, Eng. Treating zinc-bearing ores | 11017 | 29 Sept. |
| Cranston, T. J., Ringfield, Hereford, Eng. (See The "Era" Incandescent Oil Lamp Company, Limited, No. 11274.) | | |
| Crawshaw, S., Oamaru, N.Z. Pipe-scraper for cleaning out accumulations formed in metal pipes | 10476 | 2 April. |
| Crean, G. J., Montreal, Canada. Magnetic ore-separator | 10424 | 10 March. |
| Cren, Le. (See under L.) | | |
| Cressonnières, Des. (See under D.) | | |
| Croll, G., Christchurch, N.Z. Boiler for hot-water system | 11497 | 7 April. |
| Crolly, C. G., and others, Dunedin, N.Z. Scrubbing-, shoe-, or stove-brush | 10526 | 21 April. |
| Cronin, F., Auckland, N.Z. Pneumatic igniting-gear for oil- or gas-engine | 10500 | 6 April. |
| Crook, J., Auckland, N.Z. Producing gas from gasolene or other hydrocarbons | 10891 | 13 Aug. |
| Crook, J., and another, Auckland, N.Z. Machine for sewing mouths of bags or sacks when full | 10906 | 20 Aug. |
| Crossley, Eliza A., and another, Auckland, N.Z. Spoke-flange for holding wheel-spokes in position | 11150 | 8 Nov. |
| Crossley, W. G., and another, Auckland, N.Z. Spoke-flange for holding wheel-spokes in position | 11150 | 8 Nov. |
| Cullen, G. J., and another, Eltham, N.Z. Branding composition | 10853 | 8 Aug. |
| Cuming, A. J., Christchurch, N.Z. Travelling-band | 10309 | 19 Jan. |
| Cuming, A. J., Christchurch, N.Z. Preventing puncture of pneumatic tire | 10352 | 12 Feb. |

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS IN THE YEAR 1898—continued.

| Name, Residence, and Invention. | No. | Date. |
|--|-------|-----------|
| Cuming, A. J., Christchurch, N.Z. Fibre-dressing machinery | 10376 | 19 Feb. |
| Cuming, A. J., Christchurch, N.Z. Pneumatic tire | 10549 | 25 April. |
| Cuming, A. J., Christchurch, N.Z. Bicycle-stand | 10677 | 11 June. |
| Cuming, A. J., Christchurch, N.Z. Bicycle-stand | 10760 | 6 July. |
| Cuming, A. J., Christchurch, N.Z. Branding apparatus | 10885 | 16 Aug. |
| Cuming, A. J., Christchurch, N.Z. Branding apparatus | 11025 | 26 Sept. |
| Curtis, C. H., and another, London, Eng. Explosive | 10489 | 7 April. |
| Dahl, C., Palmerston North, N.Z. Horse-cover | 10545 | 29 April. |
| Daily, J. J., Christchurch, N.Z. Coffin | 10439 | 18 March. |
| D'Albites, H. E., Carlton, Vic. Medicated aperient edible | 11248 | 21 Dec. |
| Dalley, W., Oamaru, N.Z. Knife-cleaning machine | 10335 | 31 Jan. |
| Dallimore, J. Warrnambool, Vic. Number- and weight-registering apparatus | 10701 | 20 June. |
| Dalton, J. H., Auckland, N.Z. Brand for soap, confectionery, &c. | 11077 | 11 Oct. |
| Danks, T., Christchurch, N.Z. Hot-water or steam-boiler | 10742 | 30 June. |
| Dannhardt, F. H., and another, Bethanga, Vic. Earth-boring machine | 10707 | 21 June. |
| Darling, J., Rutherglen, Newark, North Britain. (See the Gem Needle-threader Company, Limited, No. 11263.) | | |
| Darragh, F. S., Wellington, N.Z. Fire-escape | 11277 | 30 Dec. |
| Darvall, G. W., Wellington, N.Z. Roof | 11182 | 24 Nov. |
| Davey, A. J., Springfield, Canterbury, N.Z. Lining-cramp | 10466 | 24 March. |
| Davies, M., Coromandel, N.Z. Single-line tramway | 10972 | 14 Sept. |
| Davies, M., Coromandel, N.Z. Cattle-, sheep-, and horse-brand | 11102 | 27 Oct. |
| Davison, C. W., Minneapolis, U.S.A. (See J. H. Moore, No. 11054.) | | |
| Dawson, B., Sydenham, Canterbury, N.Z. Fungoid specific | 10267 | 6 Jan. |
| Day, J. F., and others, Fowler's, N.Z. Liquid sheep-, cattle-, or horse-brand | 10838 | 15 Sept. |
| Daylight Incandescent Mantle Company (Limited), The, London, Eng. Fluid for impregnating fabrics, &c., for incandescent lighting. (G. B. Puchmüller) | 10506 | 14 April. |
| Dean, C. E., Sydney, N.S.W. Hinge for truck-door | 10408 | 5 March. |
| Dean, C. E., Sydney, N.S.W. Window-stop | 11171 | 21 Nov. |
| Dearsley, C. L., and another, Christchurch, N.Z. Cycle-bell | 11224 | 8 Dec. |
| Deavoll, D., and another, Christchurch, N.Z. Mouse- and rat-trap | 10963 | 10 Sept. |
| De Bechi, G., Paris, France. Treating complex ore for recovery of copper, zinc, and lead | 11226 | 10 Dec. |
| Decent, J. H., Burwood, N.S.W. Apparatus for imparting a spiral motion to steam, water, &c., under pressure. (H. R. Romney and C. Baddeley) | 10366 | 17 Feb. |
| Deeble, J. J., Bendigo, Vic. Decanting solutions from auriferous ores | 10687 | 13 June. |
| De Günzburg, U., Vitry-sur-Seine, France. Preserving and tawing skins | 10534 | 27 April. |
| De Lery, J. B., New York, U.S.A. Incandescent gas-burner | 11157 | 14 Nov. |
| Dennes, H. M., and another, Auckland, N.Z. Station-indicator for railway-carriage | 11037 | 7 Oct. |
| Dennes, W. C., and another, Auckland, N.Z. Station-indicator for railway-carriage | 11037 | 7 Oct. |
| Dennison, F. R., Christchurch, N.Z. Cycle driving-gear | 10602 | 17 May. |
| Denny, T. J., Westminster, Middlesex, Eng. Treating slimes and tailings. (J. C. Clancy) | 10509 | 14 April. |
| De Rechter, F., and another, Brussels, Belgium. Preserving anatomic, entomologic, &c., specimens | 11214 | 8 Dec. |
| De Rechter, G., and another, Brussels, Belgium. Preserving anatomic, entomologic, &c., specimens | 11214 | 8 Dec. |
| Des Cressonnières, A., and another, Brussels, Belgium. Manufacturing soap | 10448 | 19 March. |
| Des Cressonnières, E., and another, Brussels, Belgium. Manufacturing soap | 10448 | 19 March. |
| Desmond, H., Oamaru, N.Z. Ambulance stretcher | 11243 | 14 Dec. |
| De Sparr, Comte. (See P. Ambjörn.) | | |
| De Tuzelmann, G. W., London, Eng. Composition of carbons for electric welding, brazing, &c. | 11195 | 26 Nov. |
| Dewar, P. M., and another, Auckland, N.Z. Piston-wheel rotary steam-, gas-, or oil-engine | 10813 | 21 July. |
| Dewar, P. M., and another, Auckland, N.Z. Piston-wheel rotary steam-, gas-, or oil-engine | 10912 | 23 Aug. |
| Dey, A., and another, Pollokshields, Scotland. Time-recorder | 11272 | 29 Dec. |
| Dey, J., and another, Syracuse, New York, U.S.A. Time-recorder | 11272 | 29 Dec. |
| Diamond Match Company (Limited), The, London, Eng. Feeding match-splints. (J. P. Wright) | 11160 | 15 Nov. |
| Dickinson, A. Y., and another, Manila, N.S.W. Non-refillable bottle | 11275 | 29 Dec. |
| Dilger, Carreer-. (See under C.) | | |
| Dillberg, G., Sydney, N.S.W. Treatment of calcium-carbide | 10747 | 5 July. |
| Dillberg, G., Sydney, N.S.W. Protective coverings for compressed cakes of granulated calcium-carbide | 10748 | 5 July. |
| Dillberg, G., Sydney, N.S.W. Generating acetylene gas | 10749 | 5 July. |
| Dillberg, G., Sydney, N.S.W. Acetylene-gas generator | 10917 | 29 Aug. |
| Dinsmore, Elizabeth R., St. Kilda, Vic. Starch mixture | 10314 | 19 Jan. |
| Dixon, T. S. E., and another, Chicago, U.S.A. Operating steam- or air-turbine | 10561 | 5 May. |
| Dixson, H. R., and another, Adelaide, S.A. Pipe or conduit for fermented or corrosive liquids | 10904 | 21 Jan. |
| Dobson, A. D., Christchurch, N.Z. Pasteuriser or heater for milk | 10586 | 13 May. |
| Dodd, J. R., and another, Wellington, N.Z. Preserving eggs. (I. W. Poor) | 10339 | 4 Feb. |
| Dodd, Margaret B., and another, Durham, Eng. Hermetically sealing or closing jars | 11198 | 28 Nov. |
| Dodd, T. H., and another, Durham, Eng. Hermetically sealing or closing jars | 11198 | 28 Nov. |
| Doe, W. S., Brooklyn, U.S.A. (See A. J. Benedict, No. 10266.) | | |
| Donald, D., Masterton, N.Z. Timber-jack | 11028 | 1 Oct. |
| Donald, D., Masterton, N.Z. Wire-strainer | 11122 | 14 Nov. |
| Donald, Elizabeth, Makuri, Pahiatua, N.Z. Medicinal pastille | 10805 | 12 Aug. |
| Donald, J., Auckland, N.Z. Collision-mat and repairing-gear for preventing vessels from foundering | 11151 | 8 Nov. |
| Donaldson, Maria F., Dunedin, N.Z. Cure for rheumatism | 10824 | 26 July. |
| Doney, T., Hastings, Hawke's Bay. Gas engine or motor | 10438 | 15 March. |
| Donisthorpe, A. R., and another, Leicester, Eng. Producing coloured yarns | 10897 | 22 Aug. |
| Downing, G. H., New York, U.S.A. (See J. A. Burden, jun., No. 10924.) | | |
| Downs, J., and another, New Plymouth, N.Z. Ear-mark | 10579 | 9 May. |
| Draeger, O., and another, Melbourne, Vic. Tell-tale-clock attachment | 10802 | 22 July. |
| Drazer, B., and others, Liverpool, Eng. Animal-, fish-, or vermin-trap | 11058 | 13 Oct. |
| Dreaver, A., Dunedin, N.Z. Rabbit-trap | 10958 | 9 Sept. |
| Drever, W., Kaurihore, Whangarei, N.Z. Washing-machine | 11244 | 15 Dec. |
| Drew, H. W., and another, Carlton, Vic. Photographing on china, porcelain, &c. | 10879 | 17 Aug. |
| Driver, T. H., Malvern, Vic. Corkscrew | 10437 | 18 March. |
| Droutledge, H., Auckland, N.Z. Lottery-box | 10869 | 10 Aug. |

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS IN THE YEAR 1898—continued.

| Name, Residence, and Invention. | No. | Date. |
|---|-------|-----------|
| Drummond, J., Dannevirke, Hawke's Bay, N.Z. Stump-extractor | 10981 | 17 Sept. |
| Drummond, J., and others, Dannevirke, Hawke's Bay, N.Z. Bicycle- or tricycle-crank | 10291 | 18 Jan. |
| Dudley, U., Drake, N.S.W. Clip or binder | 11217 | 8 Dec. |
| Duncan, G. S., Tarnagulla, Vic. Separating gold- and silver-bearing solutions from ores or slimes | 10741 | 30 June. |
| Duncan, H. E., Christchurch, N.Z. Ventilating- and cooling-screen for dairies, &c. | 10592 | 13 May. |
| Duncan (Limited), P. and D., Christchurch, N.Z. Levers and riding-gear for ploughs | 10715 | 21 June. |
| Dunlop Pneumatic Tire Company (Limited), The, London, Eng. Clip for securing pump to velocipede. (F. Sinclair and J. Gooding) | 10386 | 26 Feb. |
| Dunlop, S., and another, Clydevale, Otago, N.Z. Mud-guard for pneumatic tire | 10568 | 5 May. |
| Dunn, D., Lincoln, Canterbury, N.Z. Vamping appliances | 11107 | 31 Oct. |
| Durkin, T., and another, Newport, Melbourne, Vic. (See J. B. Zander and J. Cooke, No. 10620.) | | |
| Durward, J., and another, Christchurch, N.Z. Hose-connection | 10520 | 15 April. |
| Durward, J., and another, Christchurch, N.Z. Hose-coupling or union | 11032 | 3 Oct. |
| Easton, R., and another, Dunedin, N.Z. Flax-dressing machine | 10318 | 25 Jan. |
| Edgerton, W., Melbourne, Vic. Wire-fencing | 10374 | 19 Feb. |
| Edison, T. A., Llewellyn Park, Essex, U.S.A. Concentrating iron-ores and bricking same | 11068 | 17 Oct. |
| Edison, T. A., Llewellyn Park, Essex, U.S.A. Breaking rock | 11069 | 17 Oct. |
| Edison, T. A., Llewellyn Park, Essex, U.S.A. Rolls | 11070 | 17 Oct. |
| Edison, T. A., Llewellyn Park, Essex, U.S.A. Elevator and conveyor | 11071 | 17 Oct. |
| Edison, T. A., Llewellyn Park, Essex, U.S.A. Forming pulverised iron-ore, coal, &c., into briquettes | 11072 | 17 Oct. |
| Edison, T. A., Llewellyn Park, Essex, U.S.A. Dryer for drying pulverised iron-ore | 11073 | 17 Oct. |
| Edwards, E., and another, Paeroa, Auckland, N.Z. Finger-circlet to carry pencil | 11223 | 6 Dec. |
| Effront, J., Brussels, Belgium. Fermenting worts | 11066 | 17 Oct. |
| Elder, W. K., and another, Auckland, N.Z. Swingle-tree | 10788 | 12 July |
| Elder, W. K., and another, Auckland, N.Z. Multi-tine mouldboard for plough | 11168 | 15 Nov. |
| Eldred, Grace M., Christchurch, N.Z. Attaching dress material, &c., to photographs | 10402 | 2 March. |
| Electric Reduction Company (Limited), London, Eng. Electrically heating materials in closed chambers. (W. T. Gibbs) | 10638 | 28 May. |
| Ellershausen, F., London, Eng. Condensing and collecting fumes obtained in the treatment of ores | 10902 | 28 Aug. |
| Ellershausen, F., London, Eng. Treating refractory sulphide ores | 10933 | 1 Sept. |
| Ellershausen, F., London, Eng. Treating precipitated lead-fumes and zinciferous lead-ores | 11022 | 29 Sept. |
| Elliott, E. H., Temuka, N.Z. Acetylene-gas generator and gasometer | 11153 | 12 Nov. |
| Ellis, P., and another, Wellington, N.Z. Toy cinematograph | 10627 | 27 May. |
| Ellis, P., and another, Wellington, N.Z. Calculating slide-valves | 11211 | 5 Dec. |
| Elmore, R. P., Chicago, U.S.A. Bock-drilling machine | 11104 | 29 Oct. |
| Elworthy, H. S., Havre-des-Pas, Jersey. Manufacturing carbonic acid | 10901 | 23 Aug. |
| Empire Cash Register (Limited), The, London, Eng. Cash-register. (C. J. Fauvel and N. Collins) | 11270 | 28 Dec. |
| Enright, T. C., Westport, N.Z. Gate-fastener | 10938 | 31 Aug. |
| Ensor, C. H., Christchurch, N.Z. Wire strainer and splicer | 10382 | 21 Feb. |
| "Era" Incandescent Oil Lamp Company (Limited), The, London, Eng. Burner for incandescent oil-lamp. (T. J. Cranston) | 11274 | 29 Dec. |
| Erson, W. R. C., Onehunga, N.Z. Pneumatic hernia-truss | 10980 | 13 Sept. |
| Erson, W. R. C., Onehunga, N.Z. Hernia-truss | 11106 | 26 Oct. |
| Etothene Gas Company (Limited), Sydney, N.S.W. Illuminating and heating gas. (E. Tooth) | 10421 | 10 March. |
| Etothene Gas Company (Limited), Sydney, N.S.W. Manufacture of calcium-carbide. (E. Tooth) | 10422 | 10 March. |
| Evans-Jackson, J. E., London, Eng. (See W. E. Hughes, No. 10306.) | | |
| Evans, T. F., Wellington, N.Z. Horse-cover | 10308 | 21 Jan. |
| Evens, E. L., Malvern, S.A. Window-sash | 10859 | 10 Aug. |
| Ewen, J. M., Chicago, U.S.A. Prism lights and mountings, and framings therefor | 10479 | 5 April. |
| Ewen, J. M., Chicago, U.S.A. Prism lights and frames, and mountings for same. (F. C. Soper and F. L. Wright) | 10480 | 13 April. |
| Fairhead, W., Palmerston North, N.Z. Blackboard | 11117 | 1 Nov. |
| Fairweather, R., Fremantle, W.A. Key and key-bed for wheel | 10705 | 20 June. |
| Fairweather, W., Blenheim, N.Z. Flax-stripper, beating-bar, and feed-mouth | 10518 | 15 April. |
| Fairweather, W., Blenheim, N.Z. Roller washing-machine for flax, &c. | 10519 | 15 April. |
| Falvey, T., and another, Christchurch, N.Z. Circular billiard-table | 10522 | 16 April. |
| Fancourt, H., Dunedin, N.Z. Kitchen-range | 10312 | 24 Jan. |
| Farley, J., Hertford, Eng. Joint for earthenware pipes | 10583 | 13 May. |
| Farrington, R., and another, Middlessex, Eng. (See W. H. Hand, No. 10725.) | | |
| Fauvel, C. J., and another, London, Eng. (See The Empire Cash Register, Limited, No. 11270.) | | |
| Frost, J. W., Christchurch, N.Z. Reproducing photographs | 10356 | 11 Feb. |
| Field, M. F., Boston, U.S.A. (See J. Clarke, No. 10431.) | | |
| Fink, M., St. Kilda, Vic. Exhausting air and producing a vacuum | 10772 | 14 July. |
| Finkler, D., Bonn, Germany. Preparation and extraction of albuminous substances from animal or vegetable products | 10596 | 17 May. |
| Fitzgerald, C. E., and another, Dublin, Ireland. Packing food | 10965 | 12 Sept. |
| Fitzgerald, G., and another, Wellington, N.Z. Expansion-joint for pipes | 11079 | 20 Oct. |
| Fleming, Le. (See under L.) | | |
| Foley, H. J. K., Christchurch, N.Z. Valve-regulator for register-grate | 10521 | 15 April. |
| Folkerts, J. H., London, Eng. Production of yeast | 10757 | 7 July. |
| Ford, A., Pyrmont, Sydney, N.S.W. Travelling-trunk fastener | 11142 | 10 Nov. |
| Fosbery, G. M., and another, Melbourne, Vic. Rotary pulveriser and riddle | 10976 | 15 Sept. |
| Foster, J., Dunedin, N.Z. Hand driving- and steering-gear for velocipede | 10379 | 22 Feb. |
| Fraser, A., Yelta, Parramatta, N.S.W. Explosive | 11011 | 28 Sept. |
| Fry, G., and another, Melbourne, Vic. Rotary pulveriser and riddle | 10976 | 15 Sept. |
| Fry, G. H., and another, Eltham, N.Z. Branding composition | 10853 | 8 Aug. |
| Fry, H. E., and another, London, Eng. (See The Smelting Corporation, Limited, No. 11219.) | | |
| Fullwood, H., Carlton, Vic. Door-stop | 10920 | 29 Aug. |
| Furlonge, F. A., Christchurch, N.Z. Wrapper or bag for preservation of frozen, &c., produce | 10485 | 7 April. |
| Fyfe, S., Melbourne, Vic. Tin labelling and wrapping machine | 10443 | 18 March. |
| Fyfe, S., Melbourne, Vic. Bottle-labelling machine | 10444 | 18 March. |
| Fyfe, S., and another, Port Melbourne, Vic. Tin labelling and wrapping machine | 10689 | 10 June. |

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS IN THE YEAR 1898—continued.

| Name, Residence, and Invention. | No. | Date. |
|--|-------|-----------|
| Fyfe, S., and another, Port Melbourne, Vic. Bottle-labelling machine | 10670 | 10 June. |
| Galbraith, D. R. S., Remuera, Auckland, N.Z. Compound for coating steam-pipes and boilers | 10276 | 7 Jan. |
| Galbraith, D. R. S., Remuera, Auckland, N.Z. Butter-making | 10649 | 4 June. |
| Galbraith, D. R. S., Remuera, Auckland, N.Z. Butter-making | 10983 | 17 Sept. |
| Galbraith, D. R. S., and another, Auckland, N.Z. Gold- and silver-extraction | 11242 | 17 Dec. |
| Galbraith, D. R. S., Remuera, Auckland, N.Z. Butter-making | 11267 | 28 Dec. |
| Galbraith, D. R. S., Remuera, Auckland, N.Z. Candle composition | 11268 | 23 Dec. |
| Galbraith, J., Waihi, Ohinemuri, N.Z. Monocycle skate | 10877 | 12 Aug. |
| Galbraith, J., Waihi, Auckland, N.Z. Encycle | 10940 | 27 Aug. |
| Gallup, G. B., Greenville, New Jersey, U.S.A. Cycle-pump operatable by coin-freed mechanism | 10852 | 8 Aug. |
| Gamman, G. A., Dannevirke, N.Z. Feed-gear for saw-bench | 10830 | 30 July. |
| Garde, J. B., Melbourne, Vic. (See W. C. Peacock, No. 10942.) | | |
| Garde, J. B., Melbourne, Vic. (See W. C. Peacock, No. 11012.) | | |
| Gardiner, C. L., and others, Wellington, N.Z. Hat | 10730 | 27 June. |
| Gardiner, C. L., and others, Wellington, N.Z. Sewing-thimble | 10744 | 4 July. |
| Gardiner, J. H., and another, Christchurch, N.Z. Manufacturing candles | 11040 | 7 Oct. |
| Gardiner, T. H. R., and others, Wellington, N.Z. Hat | 10730 | 27 June. |
| Gardiner, T. H. R., and others, Wellington, N.Z. Sewing-thimble | 10744 | 4 July. |
| Garland, T., Wellington, N.Z. Handle and ears for milk-pail | 10288 | 17 Jan. |
| Gaut, J., Leichhardt, Sydney, N.S.W. Bicycle | 10321 | 27 Jan. |
| Gaut, J., Leichhardt, Sydney, N.S.W. Electric fire-alarm | 10370 | 19 Feb. |
| Gaut, J., Leichhardt, Sydney, N.S.W. Electric fire-alarm | 10399 | 1 March. |
| Gaut, J., Leichhardt, Sydney, N.S.W. Electric fire-alarm | 10468 | 30 March. |
| Gaut, J., Leichhardt, Sydney, N.S.W. Electric fire-alarm | 11260 | 22 Dec. |
| Geddes, L. A., Arncliffe, Sydney, N.S.W. (See G. S. Mackenzie, No. 10405.) | | |
| Gee, P. S., Auckland, N.Z. Gearing for hand-lift | 10787 | 12 July. |
| Gell, J., Wakapuaka, Nelson, N.Z. High-pressure boiler and flue | 10780 | 18 July. |
| Gelly, J. C., Paris, France. Hydraulic apparatus for raising liquids and producing motive-power | 11048 | 10 Oct. |
| Gem Needle-threader Company (Limited), The, Glasgow, North Britain. Needle-threader. (J. Darling) | 11263 | 23 Dec. |
| Gettings, G., and others, Auckland, N.Z. Rail coupling or joint | 10343 | 1 Feb. |
| Gibbs, Carrie, Southsea, Hants, Eng. Cycling-skirt | 10570 | 6 May. |
| Gibbs, W. T., Buckingham, Canada. (See Electric Reduction Company, Limited, No. 10638.) | | |
| Gibson, H., Ngaira, N.Z. Branding composition | 10523 | 18 April. |
| Giles, H., and others, Adelaide, S.A. Labelling tins, jars, bottles, &c. | 10305 | 21 Jan. |
| Gill, E. R., Englewood, New Jersey, U.S.A. Means for controlling motors | 10934 | 1 Sept. |
| Gilles, H. W., Darlinghurst, Sydney, N.S.W. Waiting-tray | 10745 | 5 July. |
| Gilliland, E. T., Westchester, U.S.A. Mouth-piece cigarette | 10508 | 14 April. |
| Gilliland, E. T., Westchester, U.S.A. Cigarette-machine | 10560 | 5 May. |
| Gillman, T. R., Onehunga, N.Z. Dressing New Zealand flax | 10641 | 8 June. |
| Gillow, E., and another, Marrickville, N.S.W. (See A. H. Nathan, No. 10657.) | | |
| Gilmour, J. A., and another, Leon, Nicaragua, Central America. Treating ores for recovery of metals | 11010 | 38 Sept. |
| Gold-extraction Syndicate (Limited), The, London, Eng. Precipitating precious metals from cyanide solutions. (M. B. Zerener) | 10563 | 5 May. |
| Golding, A., Canterbury, Vic. Cycle-tire | 10801 | 22 July. |
| Golding, R. U., Melbourne, Vic. Gold-saving amalgamator | 11006 | 28 Sept. |
| Gooding, J., and another, Coventry, Eng. (See the Dunlop Pneumatic Tire Company, Limited, No. 10386.) | | |
| Goodwin, R., Dublin, Ireland. Gas plant and system for producing acetylene and carbonic-acid gas combined | 10974 | 15 Sept. |
| Gordon-Jones, J., Taheke, Hokianga, N.Z. Apparatus for sowing seeds and applying manure | 10855 | 9 Aug. |
| Gould, C. H., Melbourne, Vic. (See G. H. Hope, No. 10895.) | | |
| Gould, J. B., Wellington, N.Z. Label-fastener | 10262 | 5 Jan. |
| Gould, J. B., Wellington, N.Z. Label | 10263 | 5 Jan. |
| Gould, J. B., Wellington, N.Z. Label | 10850 | 8 Aug. |
| Goulding, R., Taradale, Hawke's Bay, N.Z. Protective covering for plant | 10797 | 21 July. |
| Grace, A. A., and another, Nelson, N.Z. Buckle-fastener | 10316 | 25 Jan. |
| Grace, T. S., and another, Blenheim, N.Z. Buckle-fastener | 10316 | 25 Jan. |
| Graetz, M., Berlin, Germany. Oil-burner | 10622 | 26 May |
| Graham, S., and another, Invercargill, N.Z. Packer for reaper-and-binder | 10287 | 10 Jan. |
| Graham, W., and another, Invercargill, N.Z. Packer for reaper-and-binder | 10287 | 10 Jan. |
| Grant, J., Auckland, N.Z. Silt-punt discharging-bottom | 10615 | 19 May. |
| Gray, J., Dunedin, N.Z. Plough | 11193 | 23 Nov. |
| Green, B., London, Eng. Velocipede | 11110 | 31 Oct. |
| Green, W. R., and another, Denver, Colorado, U.S.A. Method of and apparatus for converting energy of fuel and an expansion medium into power | 11258 | 20 Dec. |
| Greengrass, F. W., Wellington, N.Z. Fire-indicating device | 11273 | 29 Dec. |
| Greenhill, J., Colao, Vic. Nail for securing corrugated iron | 11044 | 10 Oct. |
| Greenslade, J., Christchurch, N.Z. Supplementary dresser for seed-dressing machine | 10495 | 7 April. |
| Greenslade, J., Prebbleton, Christchurch, N.Z. Continuous crank or eccentric lubricator-conductor | 11216 | 5 Dec. |
| Greenville, W. S., and others, Auckland, N.Z. Rail coupling or joint | 10343 | 1 Feb. |
| Greig, W. C., Christchurch, N.Z. Clothes-peg | 10411 | 5 March. |
| Greig, W. C., Christchurch, N.Z. Cotton-reel holder | 10653 | 2 June. |
| Greig, W. C., Christchurch, N.Z. Hanger for wire-fencing | 10863 | 10 Aug. |
| Greig, W. C., Christchurch, N.Z. Device for preventing guttering of candle | 10962 | 10 Sept. |
| Greig, W. C., and another, Christchurch, N.Z. Means of securing fencing-wires to standards.. | 10467 | 24 March |
| Greig, W. C., and another, Christchurch, N.Z. Manufacturing candles | 11040 | 7 Oct. |
| Greig, W. C., and others, Fowler's, N.Z. Liquid brand | 10838 | 15 Sept. |
| Gress, G. V., Atlanta, Georgia, U.S.A. Phonograph | 11134 | 10 Nov. |
| Grey, W. H., and another, Dunedin, N.Z. Device for checking and stopping machinery | 10685 | 13 June. |
| Grey, W. H., and another, Dunedin, N.Z. Dredge | 10686 | 13 June. |
| Griffin, J., Riverhead, Auckland, N.Z. Plough | 10735 | 24 June. |
| Griffith, A., and another, Sydney, N.S.W. Pump | 11234 | 14 Dec. |
| Grimwood, G. E., Rangiora, Canterbury, N.Z. Inflating-valve | 11001 | 20 Sept. |

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS IN THE YEAR 1898—*continued.*

| Name, Residence, and Invention. | No. | Date. |
|--|-------|-----------|
| Grognet, F., Nanterre, France. Process for obtaining sterilised raw meat in condition of powder | 11161 | 15 Nov. |
| Grognet, F., Nanterre, France. Process for preparing skins | 11162 | 15 Nov. |
| Grosvenor, C., and others, Auckland, N.Z. Rail coupling or joint | 10343 | 1 Feb. |
| Grundy, T., Thames, N.Z. Safety releasing device | 10423 | 10 March. |
| Gundry, W. H., and another, Christchurch, N.Z. Cost-indicating, registering, and weight-totalling apparatus for weighing-machine | 11144 | 10 Nov. |
| Gundry, W. L. D., and another, Christchurch, N.Z. Cost-indicating, registering, and weight-totalling apparatus for weighing-machine | 11144 | 10 Nov. |
| Gunn, J. O., San Francisco, U.S.A. Explosive. (W. W. McCormick) | 10535 | 27 April. |
| Günzburg, De. (See under D.) | | |
| Gutteridge, W. R., and another, Palmerston North, N.Z. Milk cooler and aerator | 11173 | 22 Nov. |
| Gutteridge, W. R., and another, Palmerston North, N.Z. Appliance for drawing off liquids | 11174 | 22 Nov. |
| Hall, Constance C. A., Wellington, N.Z. Apparatus for scaling fish | 10452 | 22 March. |
| Hall, Constance C. A., Wellington, N.Z. Preventing trousers fraying at heel | 10551 | 3 May. |
| Hall, Constance C. A., Wellington, N.Z. Preventing trousers bagging at knees | 10660 | 8 June. |
| Hall, G., Lepperton, Taranaki, N.Z. Ear-mark | 10268 | 10 Jan. |
| Hall, J., Leeds, Eng. Machinery for treating skins, hides, leather, &c. | 10646 | 2 June. |
| Hall, J., Leeds, Eng. Machinery for treating skins, hides, leather, &c. | 11202 | 1 Dec. |
| Hallett, J., Taradale, Hawke's Bay, N.Z. Rein-holder | 10516 | 16 April. |
| Hallett, J., Taradale, Hawke's Bay, N.Z. Rein-holder | 10517 | 16 April. |
| Halstead, W., Pleasant Point, Canterbury, N.Z. Window-sash | 10874 | 16 Aug. |
| Hamilton, H. T., Prahan, Vic. Washing-board | 10841 | 4 Aug. |
| Hampson, W., and another, Brisbane, Queensland. Enumerating-machine | 10888 | 19 Aug. |
| Hamrick, H. M., Philadelphia, U.S.A. Burner | 11190 | 25 Nov. |
| Hamrick, H. M., Philadelphia, U.S.A. Burner | 11191 | 25 Nov. |
| Hamrick, H. M., and another, Philadelphia, U.S.A. Burner | 11189 | 25 Nov. |
| Hancock, H. L., and another, Moonta Mines, S.A. Rock-drill | 10775 | 14 July. |
| Hancock, H. R., and another, Moonta Mines, S.A. Rock-drill | 10775 | 14 July. |
| Hand, W. H., Richmond, Surrey, Eng. Gas- and oil-lighting. (M. H. Hawes and R. Farrington) | 10725 | 27 June. |
| Handley, W. C., Stratford, N.Z. Horse-collar | 10750 | 6 July. |
| Hardcastle, J., Timaru, N.Z. Charging reservoir-pens | 10588 | 12 May. |
| Harper, W. C., and another, Melbourne, Vic. Potato-plough | 10975 | 15 Sept. |
| Harries, J. E., Gisborne, N.Z. (See W. Adams, No. 11090.) | | |
| Harris, J. N., S. Norwood, Surrey, Eng. (See C. H. Izard, No. 11183.) | | |
| Harris, J. P., and another, Nelson, N.Z. Bicycle-rest | 10752 | 5 July. |
| Harris, J. P., and another, Nelson, N.Z. Lamp-wick | 10753 | 5 July. |
| Harris, J. P., and another, Wellington, N.Z. Bicycle-support | 10892 | 19 Aug. |
| Harrison, I., Wellington, N.Z. Apparatus for suspending drapery goods | 10281 | 13 Jan. |
| Harrison, J., Marton, N.Z. Filling kerosene-lamps from tins | 10550 | 2 May. |
| Harrison, J., Te Aroha, Auckland, N.Z. Roasting and drying quartz | 10989 | 21 Sept. |
| Harrison, W. H. C., Woodville, S.A. Combination brace and bits | 11165 | 16 Nov. |
| Harrison, W. H. C., Woodville, S.A. Brace and bits | 11276 | 29 Dec. |
| Harrow, J., Sydenham, Canterbury, N.Z. Tap or valve | 10847 | 5 Aug. |
| Hart, W., Auckland, N.Z. Wire-woven mattress. | 10914 | 23 Aug. |
| Hartley, W. H., and another, London, Eng. Ore-roasting furnace | 11019 | 29 Sept. |
| Hartley, W. H., and another, Middlesex, Eng. Ore-roasting furnace | 11185 | 25 Nov. |
| Harvey, A., Auckland, N.Z. Attaching vessels of milk-aerator to frame of same | 10996 | 20 Sept. |
| Harvey, A., Auckland, N.Z. Milk-tap | 11167 | 14 Nov. |
| Harvey, A., Auckland, N.Z. Combination hoop and handle for milk-can | 10997 | 20 Sept. |
| Harvey, G., Invercargill, N.Z. Wire-strainer | 10692 | 10 June. |
| Haskin, S. E., Westminster, Eng. Apparatus for use in treating wood | 10457 | 23 March. |
| Hathaway, R. M., and another, Wellington, N.Z. Damper for moistening adhesive surfaces | 10601 | 18 May. |
| Hathaway, R. M., and another, Wellington, N.Z. Device for moistening adhesive surfaces | 10793 | 19 July. |
| Hawes, M. H., and another, Middlesex, Eng. (See W. H. Hand, No. 10725.) | | |
| Hawke, T., Auckland, N.Z. Horse-cover fastening | 10856 | 4 Aug. |
| Hawkins, W. J., and another, Partington, Chester, Eng. Means of advertising | 11227 | 10 Dec. |
| Hawliczek, J. L., and another, Liverpool, Eng. Gold-extraction by cyanide process | 11264 | 23 Dec. |
| Hayes, E., Rough Ridge, Otago, N.Z. Gold crevice dredge-bucket | 11212 | 1 Dec. |
| Hazlett, W. K., Invercargill, N.Z. Plough | 10626 | 25 May. |
| Heath, M. A., Providence, U.S.A. Metallic bale-covering | 10842 | 5 Aug. |
| Heckler, J. F., and another, Wellington, N.Z. Driving-gear for velocipede | 10758 | 7 July. |
| Hemus, S., Auckland, N.Z. Boot-, shoe-, or slipper-upper | 10381 | 17 Feb. |
| Henderson, G., Rata, Rangitikei, N.Z. Wire-strainer | 10400 | 3 March. |
| Henry, F., Invercargill, N.Z. Wire-strainer | 10616 | 21 May. |
| Henry, G. T., Warrnambool, Vic. Produce-box | 11271 | 29 Dec. |
| Hepburn, C. G., Sydney, N.S.W. Treating and cooling heated fats and oils with air | 10854 | 8 Aug. |
| Hickling, R., and another, Paddington, Sydney, N.S.W. Oyster-opener | 10784 | 18 July. |
| Hickman, G. S., Christchurch, N.Z. Registering, numbering, and dating apparatus | 10948 | 6 Sept. |
| Hicks, W., and another, Waverley, Sydney, N.S.W. Oyster-opener | 10784 | 13 July. |
| Higgins, H., Cambridge, Eng. Treatment of separated milk | 10726 | 27 June. |
| Hignett, P. N., and another, St. Kilda, Vic. (See G. J. Betts and F. T. Bower, No. 10507.) | | |
| Hill, H. T., Waiuku, Auckland, N.Z. Mixture for repelling horse-flies | 10338 | 1 Feb. |
| Hitchcock, H., Kaikoura, N.Z. Horse-collar and saddle | 10342 | 4 Feb. |
| Hoare, H., and another, Perth, W.A. (See The Automatic Gas Lighting and Extinguishing Company, Limited (Hoare and Kennedy's Patent), No. 10822.) | | |
| Hoare, T., Dunedin, N.Z. Spouting | 10969 | 9 Sept. |
| Hoare, T., Dunedin, N.Z. Spouting-gutter or valley | 11091 | 19 Oct. |
| Hodgson, Mary J., Wellington, N.Z. Preserving composition for butter, eggs, fruit, &c. | 10396 | 2 March. |
| Hodsdon, H., Brisbane, Queensland. (See the Hodsdon Patent Totaliser and Enumerating-machines Company, Limited, No. 11038.) | | |
| Hodsdon Patent Totaliser and Enumerating-machines Company (Limited), Brisbane, Q. | 11038 | 7 Oct. |
| Hoffmann, B., Paris, France. Telegraphic transmitting and receiving apparatus | 10459 | 23 March. |
| Holliday, R., Edgerton, York, Eng. Acetylene-gas lamp | 10834 | 30 July. |
| Holliday, T., Huddersfield, Eng. Acetylene carriage, cycle, or motor-car lamp | 10425 | 10 March. |

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS IN THE YEAR 1898—*continued.*

| Name, Residence, and Invention. | No. | Date. |
|---|-------|--------------|
| Hooker, Lucy, Sydney, N.S.W. Incandescent illuminating apparatus | 11057 | 13 Oct. |
| Hope, G. H., South Yarra, Vic. Smoke-consumer and fuel-economiser. (C. H. Gould) .. | 10895 | 20 Aug. |
| Hopkins, J., Timaru, N.Z. Sparrow-trap | 10999 | 24 Sept. |
| Hopkinson, J., Bradford, York, Eng. (See Lanosap, Limited, No. 11016.) | | |
| Horton, C. A., and another, Brunswick, Vic. Bicycle driving-gear | 10532 | 27 April. |
| Horton, C. A., and others, Brunswick, Vic. Bicycle driving-gear | 11053 | 11 Oct. |
| House, H., Christchurch, N.Z. Grain and seed cleaning and separating machine .. | 11088 | 19 Oct. |
| Howard, A., San Francisco, U.S.A. Motive engine | 11254 | 20 Dec. |
| Howard, A., San Francisco, U.S.A. Induction-valve for motive engine | 11255 | 20 Dec. |
| Howard, A., San Francisco, U.S.A. Shearing-machine | 11256 | 20 Dec. |
| Howard, A., San Francisco, U.S.A. Propeller | 11257 | 20 Dec. |
| Howard, A., and another, San Francisco, U.S.A. Converting energy of fuel and an expansion medium into power | 11258 | 20 Dec. |
| Howard, T. B., and another, Auckland, N.Z. Rotary engine | 10419 | 4 March. |
| Howard, T. B., and another, Auckland, N.Z. Rotary engine | 10481 | 1 April. |
| Howden, T. G., Kew, Melbourne, Vic. Speed-governor and clutch-gear | 10533 | 27 April. |
| Howe, C. S., and another, Cleveland, Ohio, U.S.A. Leak-repairing composition for pneumatic tire | 10330 | 31 Jan. |
| Howe, G., and another, Palmerston North, N.Z. Blackboard-stand | 10941 | 3 Sept. |
| Howell, F., Dunedin, N.Z. Leaf-holder | 10731 | 24 June. |
| Hudson, J., and another, Sydenham, Canterbury, N.Z. Point or switch for overhead rails .. | 10397 | 1 March. |
| Hughes, W. E., Wellington, N.Z. Leaf-stemming machine. (J. E. Evans-Jackson) .. | 10306 | 21 Jan. |
| Hughes, W. E., Wellington, N.Z. Fertiliser-distributor for seed-drill. (J. G. Turton) | 10921 | 29 Aug. |
| Hughes, W. E., Wellington, N.Z. Artificial fuel. (The Petolite Fuel Syndicate, Limited, and J. W. Leadbeater) | 11013 | 28 Sept. |
| Hughes, W. E., Wellington, N.Z. Constructing floors. (E. Jensen) | 11156 | 14 Nov. |
| Hughes, W. E., Wellington, N.Z. Manufacturing concrete pipes. (E. Jensen) | 11163 | 15 Nov. |
| Hull, F., Auckland, N.Z. Shipping boat-rudders | 10696 | 13 June. |
| Hull, F., Auckland, N.Z. Shipping boat-rudders | 10846 | 2 Aug. |
| Hulls, A. E., Moonee Ponds, Vic. Rubber tire | 10953 | 8 Sept. |
| Humble, T. S., Geelong, Vic. (See W. Humble and W. Nicholson, No. 10690.) | | |
| Humble, W., and another, Geelong, Vic. Monkey-plate and ram for baling-press. (T. S. Humble) | 10690 | 14 June. |
| Humphreys, R. C., Palmerston North, N.Z. Bench-cramp or work-holder | 11166 | 17 Nov. |
| Humphreys, W. H., Wavertree, Lancaster, Eng. Tire | 10584 | 13 May. |
| Hunter, A. G. K., and another, Dunedin, N.Z. Flax-dressing machine | 10318 | 25 Jan. |
| Hupton, H. E., and others, Brighton, Eng. Indicating and recording distance, time, and fare for vehicles | 10754 | 7 July. |
| Hutcheson, J., Wellington, N.Z. Fire-escape ladder | 11279 | 31 Dec. |
| Hutton, G. B., and another, Auckland, N.Z. Soap-holder | 10269 | 31 Dec., '97 |
| Hutton, G. B., and another, Auckland, N.Z. Clothes-peg | 10313 | 17 Jan. |
| Inder, A. E., and others, Dunedin, N.Z. Machine-belt fastener | 10633 | 30 May. |
| Inder, C. J., and others, Dunedin, N.Z. Machine-belt fastener | 10633 | 30 May. |
| Internationale Hydro-Press-Gas Compagnie Gesellschaft mit Beschränkter Haftung, Hamburg, Germany. Gas-compressing and pressure-regulating apparatus for incandescent lighting. (G. Rothgiesser) | 10799 | 21 July. |
| Iorns, C. R., and another, Stoke Newington, London, Eng. Blind | 10814 | 26 July. |
| Isitt, F., Leichhardt, Sydney, N.S.W. Illuminating appliance to be used with a Bunsen or other burner | 10597 | 17 May. |
| Ives, C., East Molesey, Surrey, Eng. Forming rubber- or guttapercha-like substance from gelatine | 10900 | 4 Feb.* |
| Ives, H. L., and another, St. Albans, Christchurch, N.Z. Advertising-signs | 10465 | 7 April. |
| Izard, C. H., Wellington, N.Z. Treating animal fats. (J. N. Harris) | 11183 | 25 Nov. |
| Jack, A., and another, Palmerston North, N.Z. Milk cooler and aerator | 11173 | 22 Nov. |
| Jack, A., and another, Palmerston North, N.Z. Drawing off liquids | 11174 | 22 Nov. |
| Jackson, Evans-. (See under E.) | | |
| Jackson, J. A., and another, Dunedin, N.Z. Cigar or cigarette | 11109 | 27 Oct. |
| Jacobsen, T. B., Thames, Auckland, N.Z. Safety-grip for lifts, &c. | 10796 | 20 July. |
| James, U. S., Helena, Montana, U.S.A. (See Parke and Lacy Company, No. 10991.) | | |
| James, W. F., Wellington, N.Z. Totalisator | 11103 | 29 Oct. |
| Jameson, S. G., and another, Brisbane, Queensland. Enumerating-machine | 10888 | 19 Aug. |
| Jamieson, R. H., Sydney, N.S.W. Acetylene-gas generator | 10435 | 18 March. |
| Jamieson, W., Melbourne, Vic. Separating ores from gangue | 11143 | 10 Nov. |
| Jamieson, W., Melbourne, Vic. Separating ores from gangue | 11218 | 8 Dec. |
| Jandus, W., Cleveland, Ohio, U.S.A. Arc lamp | 10322 | 27 Jan. |
| Jenkins, D. C., Ballarat, Vic. Draw-off tap for kerosene-tins, &c. | 11031 | 5 Oct. |
| Jennet, J., and another, Christchurch, N.Z. Appliance for cleaning the rails of tram-cars | 10762 | 7 July. |
| Jennings, W., Beechworth, Vic. Raising gravel, &c. | 10574 | 10 May. |
| Jensen, E., Copenhagen, Denmark. (See W. E. Hughes, No. 11156.) | | |
| Jensen, E., Copenhagen, Denmark. (See W. E. Hughes, No. 11163.) | | |
| Johnson, F. A., and another, Wellington, N.Z. Torch-lamp | 10988 | 20 Sept. |
| Johnson, I., and another, Wellington, N.Z. Torch-lamp | 10988 | 20 Sept. |
| Johnston, A., Devonport, Auckland, N.Z. Lifting liquid by means of a partial vacuum | 10391 | 25 Feb. |
| Johnston, Kent-. (See under K.) | | |
| Johnston, P. C., Murrickville, N.S.W. Treating leather to render it less liable to puncture | 11141 | 10 Nov. |
| Jonas, Florence N., and another, Fitzroy, Vic. Photographing on china, &c. | 10879 | 17 Aug. |
| Jonasen, M. P., and another, Christchurch, N.Z. Hydraulic ram | 10383 | 21 Feb. |
| Jonasen, M. P., and another, Christchurch, N.Z. Hydraulic ram | 10765 | 8 July. |
| Jones, A. R., Drummond, Invercargill, N.Z. Tallow-lamp | 10547 | 29 April. |
| Jones, Gordon-. (See under G.) | | |
| Jones, H., and another, Murrickville, N.S.W. (See A. H. Nathan, No. 10657.) | | |
| Jones, W., Footscray, Vic. Cartridge-wad | 11043 | 10 Oct. |
| Juriss, W., Christchurch, N.Z. Spanner for hose-coupling | 10358 | 12 Feb. |
| Kay, A., Salford, Manchester, Eng. Generation and storage of acetylene gas | 10764 | 8 July. |
| Keir, J., Christchurch, N.Z. Feed for agricultural drills and sowers | 10916 | 26 Aug. |
| Kellie, J., Woolston, Canterbury, N.Z. Tire | 10763 | 7 July. |
| Kellogg, J. H., Battle Creek, U.S.A. Alimentary product, | 10617 | 26 May. |
| Kelly, J., jun., Bell Block, Taranaki, N.Z. Grain reels or beaters for reaping-and-binding machinery | 10453 | 19 March. |

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS IN THE YEAR 1898—continued.

| Name, Residence, and Invention. | No. | Date. |
|---|-------|--------------|
| Kelly, P. G., Coromandel, N.Z. Wedge-grip for shaft-cages, &c. | 10868 | 2 Aug. |
| Kemp, G. H., Brunswick, Vic. Branding composition | 10387 | 26 Feb. |
| Kempthorne, A. H. O., Opunake, Taranaki, N.Z. Windmill | 11051 | 11 Oct. |
| Kennedy, M. J., Sydenham, Canterbury, N.Z. Cycle attachment for carrying a child, parcels, &c. | 11148 | 8 Nov. |
| Kennedy, M. J., and another, Perth, W.A. (See the Automatic Gas Lighting and Extinguishing Company, Limited (Hoare and Kennedy's Patent), No. 10822.) | | |
| Kennerley, J., Waikumete, Auckland, N.Z. Preventing the rattling of window-sashes | 11164 | 11 Nov. |
| Kent-Johnston, A. G., Sydney, N.S.W. Lighting and extinguishing street-lamps | 10986 | 19 Sept. |
| Kern, O., Paris, France. Incandescence gas-burner | 10538 | 27 April. |
| Kettridge, S., Dunedin, N.Z. G-sharp mechanism for clarinet | 10624 | 26 May. |
| Kilminster, S. G., Perth, W.A. Manufacture of cement, artificial stone, &c. | 10472 | 1 April. |
| Kilworth, T. E., Ashburton, Canterbury, N.Z. Cambridge roller | 10484 | 5 April. |
| King, J., Pararui, Foxton, N.Z. Hoe | 11278 | 31 Dec. |
| Kingscote, E., London, Eng. Manufacture of material to be used in place of wood, iron, leather, &c. | 11265 | 23 Dec. |
| Knight, J. I., Auckland, N.Z. Covering seat of saddle-tree | 10722 | 21 June. |
| Knight, R. G., Wellington, N.Z. Horse-cover | 10937 | 2 Sept. |
| Knocks, A. J., and another, Otaki, Wellington, N.Z. Botfly-exterminator | 11259 | 22 Dec. |
| Knudsen, I. P. B., Copenhagen, Denmark. Separator | 10491 | 7 April. |
| Köhler, T., Limbach, Germany. Roofing-tile, and press for making same | 10843 | 5 Aug. |
| Koneman, W. A., and another, London, Eng. Ore-roasting furnace | 11019 | 29 Sept. |
| Koneman, W. A., and another, London, Eng. Ore-roasting furnace | 11185 | 25 Nov. |
| Krichauff, H. S., and another, Adelaide, S.A. Spark-arrester | 10818 | 27 July. |
| Kron, G., Copenhagen, Denmark. Burner for petroleum-lamp | 10440 | 18 March. |
| Labram, G., Kimberley, Cape of Good Hope. Separating diamonds from earthy matters | 10510 | 14 April. |
| Lahey, J. W., and another, Brisbane, Q. Fastening window-sashes | 10719 | 24 June. |
| Lambert, G., Pleasant Point, Timaru, N.Z. Brand for sheep, bales, &c. | 10565 | 6 May. |
| Lambert, G., and another, Timaru, N.Z. Kerosene-can | 10487 | 7 April. |
| Lamplough, F., London, Eng. (See Volenite, Limited, No. 11074.) | | |
| Landin, J., and another, Stockholm, Sweden. Extracting metals from oxide-ores or oxygen compounds | 10302 | 21 Jan. |
| Lane, A. W., and another, Christchurch, N.Z. Cycle-bell | 11224 | 8 Dec. |
| Lane, D. G., Waikare, Bay of Islands, N.Z. Wire whaling-net | 11052 | 7 Oct. |
| Lange, H., Wellington, N.Z. Picture-frame | 10540 | 27 April. |
| Langley, J. W., and another, Cleveland, Ohio, U.S.A. Leak-repairing composition for pneumatic tire | 11330 | 31 Jan. |
| Lanosoap (Limited), Bradford, York, Eng. Treating wool-grease, soapsuds, &c. (J. Hopkinson) | 11016 | 29 Sept. |
| Larcomb, E., Palmerston North, N.Z. Locking ferrule-joint | 11000 | 26 Sept. |
| Larcomb, E., and another, Palmerston North, N.Z. Blackboard-stand | 10941 | 3 Sept. |
| La Roche, C. A., and another, Auckland, N.Z. Gate-hinge | 10964 | 3 Sept. |
| Laurie, J. S., and another, Henderson, Auckland, N.Z. Wire-cutting side-delivery table for brickmaking | 10610 | 16 May. |
| Lay, W. F., New York, U.S.A. Mining placers | 10279 | 13 Jan. |
| Leadbeater, J. W., Leeds, York, Eng. (See W. E. Hughes, No. 11013.) | | |
| Leather, J., Liverpool, Eng. Ventilating appliance | 11008 | 28 Sept. |
| Leather Pneumatic Tire Company (Limited), The, London, Eng. Wheel-tires, and fastenings therefor. (C. E. Squier and F. Windham) | 10635 | 30 May. |
| Le Cren, W. J., and another, Miller's Flat, Otago, N.Z. Dredge-bucket link | 11078 | 19 Oct. |
| Le Fleming, A., Herbert, Oamaru, N.Z. Brake for training horses to harness | 11085 | 17 Oct. |
| Legg, A. W., Balclutha, Otago, N.Z. Coulter for plough | 10357 | 14 Feb. |
| Leonard, Florence J., and another, Auckland, N.Z. Soap-holder | 10269 | 31 Dec., '97 |
| Leonard, Florence J., and another, Auckland, N.Z. Clothes-peg | 10313 | 17 Jan. |
| Leonard, Florence J., Auckland, N.Z. Cutting paper for water-closet purposes | 10698 | 14 June. |
| Lery, De. (See under D.) | | |
| Lester, G. H., Auckland, N.Z. Office-return clock-face indicator | 10712 | 17 June. |
| Levinge, H. M., and another, Palmerston North, N.Z. Bicycle attachment to prevent lubricants soiling rider's apparel | 10395 | 1 March. |
| Levinge, H. M., Feilding, N.Z. Making potash and caustic potash | 10926 | 27 Aug. |
| Levinge, Jessie, and another, Palmerston North, N.Z. Bicycle attachment to prevent lubricants soiling rider's apparel | 10395 | 1 March. |
| Lewis, T., Wellington, N.Z. Paper-holder | 10766 | 11 July. |
| Lichtner, E. F., Sydney, N.S.W. Treating animal carcasses to obtain fat, glue, and manure. (F. Otte and Actien Gesellschaft für Treber Trocknung) | 10436 | 18 March. |
| Light, A. H., Auckland, N.Z. Pedal-gearing for sewing-machine | 10554 | 27 April. |
| Lister and Company (Limited), R. A., Dursley, Gloucester, Eng. Bowl or drum for centrifugal separator. (W. J. Ashworth and T. Stevenson) | 10671 | 10 June. |
| Lloyd, Perreur-. (See under P.) | | |
| Lloyd, W. J., and another, Birmingham, Eng. Driving-gear for bicycles, &c. | 10456 | 21 March. |
| Lobnitz, F., Renfrew, Scotland. Breaking up or cutting rocks | 10977 | 15 Sept. |
| Lochhead, J., Dunsandel, Canterbury, N.Z. Plough | 10751 | 4 July. |
| Lockhart, W. S., London, Eng. Hydraulic separator for treating minerals | 10809 | 25 July. |
| Locking, B., Napier, N.Z. Bicycle-brake | 10299 | 20 Jan. |
| Lockwood, A. A., London, Eng. Amalgamator | 10740 | 28 June. |
| Lodge, T. S., Christchurch, N.Z. Boot-fastening | 10362 | 14 Feb. |
| Lohmann, C. F. C., Northcote, Melbourne, Vic. Rotary motor | 10889 | 19 Aug. |
| Lorden, F. L., and another, Wellington, N.Z. Tobacco-cutting machine | 10737 | 1 July. |
| Lorden, F. L., and another, Wellington, N.Z. Mirror-and-watch combination | 11094 | 25 Oct. |
| Lorenz, G., Darmstadt, Germany. Preparation for rendering swine proof against swine-fever | 10932 | 1 Sept. |
| Love, J. T., Wellington, N.Z. Steam cooker | 10637 | 31 May. |
| Lovell, G., Opitonui, Auckland, N.Z. Slash or billhook | 11115 | 27 Oct. |
| Lowry, G. A., Chicago, U.S.A. Press for cotton, wool, hair, &c. | 10786 | 19 July. |
| Loxton, F. W., Melbourne, Vic. (See Silhouette Proprietary, Limited, No. 10952.) | | |
| Lucas, W. B., Sydney, N.S.W. Refrigerating apparatus | 10310 | 18 Jan. |
| Luttrell, A. E., and another, Launceston, Tasmania. Pump | 11234 | 14 Dec. |
| Macalister, J., Invercargill, N.Z. Tip-tank and truck for use with digesters, &c. | 10866 | 10 Aug. |
| Macdonald, F. A., Rakaia, N.Z. Castrating, tailing, and ear-marking instrument | 11026 | 27 Sept. |

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS IN THE YEAR 1898—continued.

| Name, Residence, and Invention. | No. | Date. |
|--|-------|---------------|
| Macdonald, S., Christchurch, N.Z. Securing single-tube pneumatic tire in rim | 10496 | 7 April. |
| Macgregor, J., Auckland, N.Z. Instrument for polishing boots, &c. | 10628 | 21 May. |
| Mackay, A., and others, Dannevirke, Hawke's Bay, N.Z. Bicycle- or tricycle-crank | 10291 | 18 Jan. |
| Mackay, A. R., and another, Marton, N.Z. Tobacco-pipe | 10393 | 1 March. |
| Mackay, J., Dunedin, N.Z. Tobacco-pipe | 10427 | 12 March. |
| Mackay, J., and another, Waihola, Otago, N.Z. Tobacco-pipe | 10393 | 1 March. |
| Mackenzie, G. S., Sydney, N.S.W. Extracting marketable commodities from waste liquors of meat-preserving works. (L. A. Geddes) | 10405 | 4 March. |
| Macky, J. J., Auckland, N.Z. Sun-blind | 10315 | 20 Jan. |
| Maclachlan, H., and another, Brisbane, Queensland. Fastening window-sashes | 10719 | 24 June. |
| MacLulich, J. M., Gortmore, Ireland. Tire and tire-cover | 10810 | 27 Nov., '97* |
| Madder, W., New Plymouth, N.Z. Door-sill | 10285 | 15 Jan. |
| Magnus, O., and another, Dunedin, N.Z. Motor | 10528 | 22 April. |
| Mailer, M., and another, Carlton, Vic. Earth-boring machine | 10707 | 21 June. |
| Malcolm, Catherine, Wellington, N.Z. Sleevelet | 10776 | 16 July. |
| Male, Winifred, Wellington, N.Z. Chart for setting out bodice-patterns | 10865 | 12 Aug. |
| Mann, T. H., Waimate, Canterbury, N.Z. Attaching battens to reaper and-binder canvases | 10630 | 27 May. |
| Mansill, G. E., Wellington, N.Z. Acetylene-gas generator | 10893 | 30 July. |
| Mant, T., and another, Christchurch, N.Z. Split pulley | 11222 | 8 Dec. |
| Marke, H. J., Toowoomba, Queensland. Egg-holder | 11208 | 2 Dec. |
| Marshall, J. J., Sydney, N.S.W. Barrel- or cask-racking apparatus | 10987 | 19 Sept. |
| Mason, W. N. E., Wellington, N.Z. Tilt for casks, &c. | 11246 | 19 Dec. |
| Mather, W., and another, Newark-upon-Trent, Eng. Cultivator | 11172 | 21 Nov. |
| Matherson, J., Bourke, N.S.W. Broom | 10711 | 16 June. |
| Matheson, J., and another, Ashburton, N.Z. Conveying attachment for reaper-and-binder | 10364 | 28 Feb. |
| Mathias, D. R., Christchurch, N.Z. Sorting potatoes | 10623 | 23 May. |
| Mathias, D. R., Christchurch, N.Z. Seed-sowing implement | 10743 | 1 July. |
| May, C., Dunedin, N.Z. Fire-alarm | 10873 | 12 Aug. |
| May, T. W., Auckland, N.Z. Submarine telescope | 10655 | 1 June. |
| McArtney, J. A., Nelson, N.Z. Paint | 10778 | 15 July. |
| McCaul, G., Auckland, N.Z. Bath | 11239 | 13 Dec. |
| McCormack, T., and others, Dunedin, N.Z. Cooking-range | 10462 | 21 March. |
| McCormick, W. W., San Francisco, U.S.A. (See J. O. Gunn, No. 10535.) | | |
| McCutcheon, C. O., Christchurch, N.Z. Transmitting-horn for phonograph | 11194 | 24 Nov. |
| McDermott, L. L., Auckland, N.Z. Cess-pan | 10978 | 6 Sept. |
| McDonald, F. J., Wellington, N.Z. Plough | 10604 | 20 May. |
| McDougall, J. W., Napier, N.Z. Nut and wrench | 10277 | 11 Jan. |
| McDougall, J. W., Napier, N.Z. Saucepan and lid | 10311 | 24 Jan. |
| McEwen, E., Masterton, N.Z. Wool-press | 10966 | 13 Sept. |
| McFarland, R. S., and another, Ashburton, N.Z. Bicycle-support | 10718 | 22 June. |
| McInnes, D., and another, Brunswick, Vic. Headstall-halter | 10317 | 25 Jan. |
| McInnes, L., and another, Brunswick, Vic. Headstall-halter | 10317 | 25 Jan. |
| McIntyre, D. A., and another, Inverell, N.S.W. Non-refillable bottle | 11275 | 29 Dec. |
| McKay, W. A., Wellington, N.Z. Can-handle | 10836 | 2 Aug. |
| McKenzie, D., Auckland, N.Z. Billiard- and dining-table combined | 10994 | 19 Sept. |
| McKnight, G., Dunedin, N.Z. Acetylene-gas generator | 10341 | 4 Feb. |
| McLean, D. W., Methven, Canterbury, N.Z. Holder and cutter for cotton-reels, &c. | 11100 | 25 Oct. |
| McLennan, D., and another, Sydenham, Canterbury, N.Z. Envelope | 10557 | 3 May. |
| McLeod, A., Melbourne, Vic. (See McLeod Improved Sheep-shears Company, Limited, No. 10470.) | | |
| McLeod Improved Sheep-shears Company (Limited), Melbourne, Vic. Operating machine sheep-shears. (A. McLeod) | 10470 | 31 March. |
| McLeod, R. A., Kaihu, N.Z. Saw-bench gauge | 10827 | 27 July. |
| McRae, J. R., Napier, N.Z. Convertible bicycle | 10676 | 13 June. |
| McWilliams, R. A., Minneapolis, U.S.A. (See J. H. Moore, No. 11054.) | | |
| Meacock, O. J., and another, Birmingham, Eng. Rotary cutting-machine | 10606 | 19 May. |
| Meikle, W., and another, Mercury Bay, Auckland, N.Z. Candle-holder | 10359 | 9 Feb. |
| Meikle, W., and another, Mercury Bay, Auckland, N.Z. Tongue-and-socket connection for holding lantern to miner's billy | 10360 | 9 Feb. |
| Melchior, A., Camperdown, N.S.W. Sheep-shearing machine | 11206 | 1 Dec. |
| Melchior, A., Camperdown, N.S.W. Sharpening and setting cutters of sheep-shearing machine | 11207 | 1 Dec. |
| Melville, J. R., Dunedin, N.Z. Threshing-mill | 10684 | 13 June. |
| Menesdorffer, A., Northcote, Vic. (See W. W. Cabena, No. 11080.) | | |
| Menesdorffer, Esther J., Northcote, Vic. Jug lid or cover | 10702 | 20 June. |
| Mentiplay, W., Melbourne, Vic. Gold-saving device | 10539 | 27 April. |
| Mercer, J., Christchurch, N.Z. Safe | 10377 | 18 Feb. |
| Metallurgische Gesellschaft, Frankfort-on-Main, Germany. Magnetic separation. (J. P. Wetherill) | 10594 | 17 May. |
| Metzger, J., Invercargill, N.Z. Rabbit-crate | 11240 | 12 Dec. |
| Mikoz, J., and another, Greymouth, N.Z. Spur-gearing for driving bicycle | 10967 | 7 Sept. |
| Millard, E. C., London, Eng. Tea-kettle | 11186 | 25 Nov. |
| Miller, H., Dunedin, N.Z. Movable body for two-wheeled vehicle | 11215 | 2 Dec. |
| Miller, J., Dunedin, N.Z. Method of eroding metals | 10258 | 4 Jan. |
| Miller, J., Mosgiel, N.Z. Pedal | 10544 | 27 April. |
| Miller, J., Dunedin, N.Z. Wire-strainer | 10732 | 29 June. |
| Miller, J., Mosgiel, N.Z. Preparing metal plates for printing copies of photographs | 10781 | 15 July. |
| Miller, W., Auckland, N.Z. Box for holding billiard-pool marbles | 11023 | 24 Sept. |
| Miller, W. S., and another, Philadelphia, U.S.A. Burner | 11189 | 25 Nov. |
| Milligan, W., and another, Wellington, N.Z. Bracket for spouting | 10956 | 9 Sept. |
| Millington, W., and another, Blenheim, N.Z. Dampening, folding, and sealing envelopes | 10831 | 30 July. |
| Mills, J. H., and another, Invercargill, N.Z. Cycle speed-gear | 10514 | 13 April. |
| Mitchell, J. W., and another, Dunedin, N.Z. Hat-fastener | 10493 | 12 April. |
| Mitchell, J. W., and another, Dunedin, N.Z. Hat-fastener | 10680 | 13 June. |
| Moens, Quatannens-. (See under Q.) | | |
| Mond, L., London, Eng. Obtaining nickel from nickel-carbonyl | 10408 | 4 March. |

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS IN THE YEAR 1898—continued.

| Name, Residence, and Invention. | No. | Date. |
|--|-------|---------------|
| Montgomerie, J. C., Dalmore, Stair, Scotland. Extracting metals from metallic solutions .. | 10756 | 7 July. |
| Montgomerie, J. C., Dalmore, Stair, Scotland. Filter-press and cloth .. | 11188 | 25 Nov. |
| Montgomery, G. A., Springfield, Canterbury, N.Z. Horse-cover fastening .. | 10736 | 29 June. |
| Moodie, R., London, Eng. Washing and leaching apparatus .. | 10704 | 20 June. |
| Moore, D. M., Newark, New Jersey, U.S.A. (See Moore Electrical Company, No. 10773.) | | |
| Moore, D. M., Newark, New Jersey, U.S.A. (See Moore Electrical Company, No. 10774.) | | |
| Moore Electrical Company, New York, U.S.A. Vacuum-tube lighting. (D. M. Moore) .. | 10773 | 14 July. |
| Moore Electrical Company, New York, U.S.A. Vacuum-tube lighting. (D. M. Moore) .. | 10774 | 14 July. |
| Moore, Helen G., Ngaionui, Masterton, N.Z. Flat-iron .. | 11128 | 5 Nov. |
| Moore, J. H., Hawthorn, Vic. Bottle, and seal therefor. (R. A. McWilliams and C. W. Davison) | 11054 | 11 Oct. |
| Morris, C. C., Dunedin, N.Z. Spring axle for bicycles .. | 10673 | 7 June. |
| Morris, J., Wellington, N.Z. Stretcher-bed and bedstead .. | 10409 | 5 March. |
| Morris, J. G., Wellington, N.Z. Door-fastener .. | 11139 | 10 Nov. |
| Morris, T. C., Dunedin, N.Z. Velocipede-brake .. | 10682 | 13 June. |
| Morrison, H., London, Eng. Pneumatic handle for bicycle .. | 10278 | 11 Jan. |
| Morrison, T., and another, Gisborne, N.Z. Dry-earth closet .. | 10675 | 7 June. |
| Morton, A. C., and another, Otaki, N.Z. Bot-fly exterminator .. | 11259 | 22 Dec. |
| Muir, R., Grantham, Hawera, N.Z. Ploughing couchy and other grass land .. | 10662 | 8 June. |
| Murgatroyd, J., Christchurch, N.Z. Removing hair and wool from skins .. | 10716 | 22 June. |
| Murie, R. M., Dunedin, N.Z. Rotary engine .. | 10894 | 20 Aug. |
| Murphy, D., and another, Blenheim, N.Z. Dampening, folding, and sealing envelopes .. | 10831 | 30 July. |
| Murphy, F. H., and another, New York, U.S.A. Bicycle-gear .. | 10708 | 20 June. |
| Murphy, W., and another, Caulfield, Vic. Bicycle driving-gear .. | 11053 | 11 Oct. |
| Murray, H. B., Mataura, Southland, N.Z. Paper-feeder for paper-bag machines, printing-presses, &c. | 11087 | 18 Oct. |
| Murray, R. L. H., Wellington, N.Z. Coin-freed actuating mechanism .. | 10445 | 18 March. |
| Mutton, T., and others, Brighton, Eng. Indicating or recording distance, time, and fare for vehicles | 10754 | 7 July. |
| Nable, D., Parkes, N.S.W. Coat-adjustment .. | 10947 | 5 Sept. |
| Nankivell, W. J., Dunedin, N.Z. Plough .. | 10612 | 21 May. |
| Nathan, A. H., Sydney, N.S.W. Tobacco-cutting machine. (E. Gillow and H. Jones) | 10657 | 7 June. |
| Naumann, F. W., and another, Wellington, N.Z. Potato peeler and cleaner .. | 10714 | 23 June. |
| Neilson, J. P., Timaru, N.Z. Concave bars .. | 10344 | 4 Feb. |
| Nelson, A. M., Sydney, N.S.W. (See J. H. Binns and A. C. Saxton, No. 10821.) | | |
| Nelson, M., and another, Auckland, N.Z. Water-heater .. | 10434 | 9 March. |
| Nernst, W., Gottingen, Germany. Electrical incandescent lamp .. | 10595 | 17 May. |
| Newall, J. W., Sydney, N.S.W. Cutting hair or wool .. | 10599 | 17 May. |
| Newman, A. M., Auckland, N.Z. Packing-case for fruit .. | 10578 | 7 May. |
| Newman, A. M., Auckland, N.Z. Fruit-case .. | 10795 | 20 July. |
| Newman, G. F., Rangitata, Canterbury, N.Z. Waterproofing composition .. | 10483 | 4 April. |
| Newson, G. W., Nelson, N.Z. Lamp-wick .. | 10643 | 31 May. |
| Newson, G. W., and another, Nelson, N.Z. Bicycle-rest .. | 10752 | 5 July. |
| Newson, G. W., and another, Nelson, N.Z. Lamp-wick .. | 10753 | 5 July. |
| Newson, G. W., and another, Wellington, N.Z. Bicycle-support .. | 10892 | 19 Aug. |
| Nicholas, A. M., Bulong, W.A. Filtering apparatus for separating solutions from tailings, &c. | 11049 | 10 Oct. |
| Nicholls, B. S., and another, Auckland, N.Z. Cooking-range .. | 10729 | 27 June. |
| Nicholls, J. H., and another, Auckland, N.Z. Cooking-range .. | 10729 | 27 June. |
| Nicholson, E. H., and another, Newark-upon-Trent, Eng. Cultivator .. | 11172 | 21 Nov. |
| Nicholson, W., and another, Geelong, Vic. Monkey-plate and ram for baling-press. (T. S. Humble) | 10690 | 14 June. |
| Nichterlein, W. H., Dimboola, Vic. Generating wood-gas .. | 10828 | 27 July. |
| Nicolson, S., Gore, Otago, N.Z. Horse-cover .. | 10494 | 12 April. |
| Nielsen, C. A., Melbourne, Vic. Deep-sea or shoal fishing-gear .. | 10404 | 4 March. |
| Nielsen, N. A., Tikokino, Hawke's Bay, N.Z. Toasting-fork .. | 10927 | 31 Aug. |
| Nisbet, W. H., and another, Sydney, N.S.W. Slack-adjuster for brake-gear of railway rolling-stock | 11112 | 31 Oct. |
| Norton, E., Maywood, U.S.A. Canning food .. | 10508 | 14 April. |
| Norton, E., Maywood, U.S.A. Sheet-metal seaming-machine .. | 10984 | 17 Sept. |
| Norton, J. T., Christchurch, N.Z. Compound for use in making yeast, baker's dough, &c. | 10970 | 18 Sept. |
| Norton, J. T., and another, Christchurch, N.Z. Mouse- and rat-trap .. | 10963 | 10 Sept. |
| Oakley, H., and another, Christchurch, N.Z. Acetylene-gas generator .. | 10886 | 17 Aug. |
| Oatway, Amy A., and another, Dunedin, N.Z. Saving alluvial gold .. | 10273 | 24 Jan. |
| Oatway, G. H., and another, Dunedin, N.Z. Agitating crushed quartz .. | 10272 | 24 Jan. |
| Oatway, G. H., and another, Dunedin, N.Z. Saving alluvial gold .. | 10273 | 24 Jan. |
| Oatway, G. H., and another, Dunedin, N.Z. Mud-guard for pneumatic tire .. | 10568 | 5 May. |
| Oatway, G. H., and another, Dunedin, N.Z. Safety appliance for acetylene-gas generator or reservoir | 10648 | 31 May. |
| Oatway, Mary Jane, and another, Dunedin, N.Z. Agitating crushed quartz .. | 10272 | 24 Jan. |
| O'Brien, W., jun., Waipori, Otago, N.Z. Working gold-dredge by water-pressure .. | 10320 | 27 Jan. |
| O'Connell, E. T., and others, Dunedin, N.Z. Cooking-range .. | 10462 | 21 March. |
| O'Connor, M. M. J. O., Inisfale Island, Leitrim, Ireland. Raising sunken ships, &c. | 11124 | 18 Nov., '97* |
| O'Connor, M. M. J. O., Inisfale Island, Leitrim, Ireland. Apparatus for ascertaining position of and raising sunken wrecks, and for use as a floating-dock | 11125 | 11 Dec., '97* |
| O'Connor, M. M. J. O., Inisfale Island, Leitrim, Ireland. Dredging apparatus .. | 11201 | 2 June.* |
| Okey, F. W., and another, New Plymouth, N.Z. Ear-mark .. | 10579 | 9 May. |
| Olivecrona, C. J., Belmont, Hutt, N.Z. Wool-drying appliance .. | 10693 | 16 June. |
| Oliver, J. W., Greenstreet, Canterbury, N.Z. Wheel-hub .. | 10365 | 15 Feb. |
| Ottaway, F., Mangaweka, N.Z. Coupling railway metals .. | 10319 | 27 Jan. |
| Otte, F., and another, Altona, Germany. (See E. F. Lichtner, No. 10486.) | | |
| Ovenden, F. B., Gisborne, N.Z. Preparation for cleaning and polishing linoleums, &c. | 10432 | 15 March. |
| Owen, E., and others, Auckland, N.Z. Earthenware nightsoil-pan .. | 10367 | 14 Feb. |
| Oxenham, S., Makauri, N.Z. Water-strainer for tank .. | 10804 | 20 July. |
| Oxenham, S., Makauri, N.Z. Silt-ejector for tank .. | 10816 | 22 July. |
| Oxenham, S., Makauri, N.Z. Spouting-guard .. | 10817 | 21 July. |
| Page, F., and others, Christchurch, N.Z. Marking meat .. | 11092 | 21 Oct. |

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS IN THE YEAR 1898—*continued.*

| Name, Residence, and Invention. | No. | Date. |
|---|-------|-----------|
| Page, F. T., Pahiatua, Wellington, N.Z. Wire-strainer | 10546 | 29 April. |
| Paige, J. W., and another, Chicago, U.S.A. Operating steam- or air-turbine | 10561 | 5 May. |
| Painter, F. W., Christchurch, N.Z. Apparatus for use in learning to ride a bicycle | 10837 | 1 Aug. |
| Pallant, W. J., Palmerston North, N.Z. Horse-cover | 10329 | 31 Jan. |
| Park, A. J., Dunedin, N.Z. Mirror | 11060 | 14 Oct. |
| Park, A. J., Dunedin, N.Z. Gold-saving apparatus | 11204 | 1 Dec. |
| Park, A. J., Dunedin, N.Z. Can | 11235 | 13 Dec. |
| Parke and Lacy Company, San Francisco, U.S.A. Ore-feeding machine. (W. S. James) | 10991 | 21 Sept. |
| Parker, A., Palmerston North, N.Z. Driving sheep-shearing machine | 10611 | 21 May. |
| Parker, A., Wellington, N.Z. Motor for driving shearing-machine | 10733 | 29 June. |
| Parker, F. S., and another, Auckland, N.Z. Airtight closet-pan | 10688 | 8 June. |
| Parker, J. J., and another, Auckland, N.Z. Swingle-tree | 10788 | 12 July. |
| Parker, W., Glorit, Kaipara, N.Z. Clothes-trunk | 10392 | 25 Feb. |
| Parker, W., Glorit, Kaipara, N.Z. Wash-tub | 10577 | 6 May. |
| Parnall, W., and another, Bristol, Eng. Target | 10585 | 13 May. |
| Parnell, Elizabeth B., Carshalton, Surrey, Eng. Treating ores | 10513 | 14 April. |
| Parsons, F., and another, Auckland, N.Z. Water-heater | 10434 | 9 March. |
| Parsons, H. W., and another, Dunedin, N.Z. Checking and stopping machinery | 10685 | 13 June. |
| Parsons, H. W., and another, Dunedin, N.Z. Dredge | 10686 | 13 June. |
| Parsons, J. A., Christchurch, N.Z. (See the Pulsator Milking-machine Company, Limited, No. 10542.) | | |
| Parsons, J. A., Christchurch, N.Z. (See the Pulsator Milking-machine Company, Limited, No. 10543.) | | |
| Parsons, J. A., Christchurch, N.Z. (See the Pulsator Milking-machine Company, Limited, No. 10666.) | | |
| Pat, Ah. (See Ah Pat.) | | |
| Paterson, G., London, Eng. Velocipede | 10293 | 19 Jan. |
| Paterson, G., London, Eng. Velocipede | 10294 | 19 Jan. |
| Paterson, G., London, Eng. Military tricycle | 10295 | 19 Jan. |
| Paterson, G., London, Eng. Military bicycle | 10296 | 19 Jan. |
| Paterson, G., London, Eng. Folding bicycle | 10297 | 19 Jan. |
| Paterson, R. A., and another, Mokau, Taranaki, N.Z. Preparing ironsand for smelting | 10667 | 9 June. |
| Payne, W. H., Wellington, N.Z. Boot | 10603 | 19 May. |
| Peacock, W. C., Melbourne, Vic. Lifting and adjusting discs of rotary disc-ploughs. (J. B. Garde) | 10942 | 5 Sept. |
| Peacock, W. C., Melbourne, Vic. Disc for rotary disc-ploughs. (J. B. Garde) | 11012 | 28 Sept. |
| Peacock, W. C., and another, Melbourne, Vic. Tin labelling and wrapping machine | 10669 | 10 June. |
| Peacock, W. C., and another, Melbourne, Vic. Bottle-labelling machine | 10670 | 10 June. |
| Peake, C. H., and another, Melbourne, Vic. Panoramic apparatus for exhibiting advertisements | 10708 | 21 June. |
| Pearce, L., Fremantle, W.A. Altering gauge of railway rolling-stock | 10710 | 21 June. |
| Pearson, J., Wellington, N.Z. Hand signalling-lamp | 10770 | 12 July. |
| Pearson, R., London, Eng. Automatic code-telegraph fire-alarm apparatus | 11269 | 28 Dec. |
| Peck, W., Wellington, N.Z. Gold-dredging apparatus | 11241 | 17 Dec. |
| Pender, J., Brunswick, Vic. Motor and mechanism for vehicle | 10406 | 2 March |
| Penn, H., and another, Birmingham, Eng. Rotary cutting-machine | 10606 | 19 May. |
| Pennal, T., Flemington, Canterbury, N.Z. Production of oatmeal | 11101 | 27 Oct. |
| Penney, G. W., Gore, N.Z. Attaching horses to vehicles | 10355 | 14 Feb. |
| Perreur-Lloyd, M., London, Eng. Electro-deposition of copper on rotary cathodes | 10331 | 31 Jan. |
| Peters, A., Copenhagen, Denmark. Primary battery | 11176 | 17 Nov. |
| Petersen, E., London, Eng., and Kertch, Russia. (See G. Scott, No. 10823.) | | |
| Petolite Fuel Syndicate (Limited), The, London, Eng. (See W. E. Hughes, No. 11013.) | | |
| Pickup, W., Waikouaiti, Otago, N.Z. Pruning or cutting fruit-trees, &c. | 10298 | 19 Jan. |
| Pickup, W., Dunedin, N.Z. Pruning trees | 10552 | 3 May. |
| Pierce, M. R., and another, New York, U.S.A. Bicycle-gear | 10703 | 20 June. |
| Pietzcker, J. A., and another, Sydney, N.S.W. Incandescent oil-lamp burner | 10529 | 25 April. |
| Pigott, Alice, St. Leonard's, Sussex, Eng. Treatment of lead-ores | 10460 | 23 March. |
| Pole, B. C., London, Eng. Motive-power engine | 10593 | 14 May. |
| Poll, G., London, Eng. Raising material from river-beds | 10353 | 12 Feb. |
| Pomeroy, J., and another, Invercargill, N.Z. Thimble, or seaman's palm | 10694 | 13 June. |
| Pomeroy, J., and another, Invercargill, N.Z. Cricket-pads | 10385 | 23 Feb. |
| Pomeroy, J. H., Invercargill, N.Z. Non-refillable bottle | 10464 | 22 March. |
| Pomeroy, J. H., Invercargill, N.Z. Rendering bottles liable to destruction after use | 10566 | 4 May. |
| Poor, I. W., Chicago, U.S.A. (See G. H. Umfreville and J. H. Dodd, No. 10339.) | | |
| Porter, J. W., Williamstown, Vic. Target-carrying frame and indicator | 11007 | 28 Sept. |
| Postle, J. D., Sydney, N.S.W. Door-brake | 10658 | 7 June. |
| Pott, G., and another, Mokau, N.Z. Preparing ironsand for smelting | 10667 | 9 June. |
| Potter, A., Mount Eden, Auckland, N.Z. Dressing flax | 11262 | 19 Dec. |
| Powell, E. A., Clifton Hill, Vic. Preventing wind, rain, &c., entering beneath doors | 10882 | 17 Aug. |
| Powell, F. C., Adelaide, S.A. Advertising cycle | 10282 | 13 Jan. |
| Powers, C. T., Brisbane, Queensland. Typewriting-machine | 11140 | 10 Nov. |
| Prescott, G., and another, Dublin, Ireland. Packing food | 10965 | 12 Sept. |
| Preston, J. E., London, Eng. Treating refractory ores | 10446 | 19 March. |
| Prétot Motor Syndicate (Limited), The, London, Eng. Speed- and reversing-gear for motor-carriages, &c. (V. E. Prétot) | 11020 | 29 Sept. |
| Prétot Motor Syndicate (Limited), The, London, Eng. Motor road-vehicle. (V. E. Prétot) | 11021 | 29 Sept. |
| Prétot, V. E., Paris, France. (See the Prétot Motor Syndicate, Limited, No. 11020.) | | |
| Prétot, V. E., Paris, France. (See the Prétot Motor Syndicate, Limited, No. 11021.) | | |
| Priest, J. H., Christchurch, N.Z. Copper-stick | 11061 | 13 Oct. |
| Priest, W., and another, Birmingham, Eng. Driving-gear for bicycles, tricycles, &c. | 10456 | 21 March. |
| Priest, S., and another, West Devonport, Vic. Cycle-brake | 10875 | 16 Aug. |
| Priest, S., jun., and another, West Devonport, Vic. Cycle-brake | 10875 | 16 Aug. |
| Priestley, H., Kaihu, N.Z. Spectacle for timber-jack | 10878 | 13 Aug. |
| Puchmüller, G. B., Schoensberg, Germany. (See the Daylight Incandescent Mantle Company, Limited, No. 10506.) | | |
| Pulsator Milking-machine Company (Limited), The, Christchurch, N.Z. Pulsating milking-machine. (J. A. Parsons) | 10542 | 26 April. |

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS IN THE YEAR 1898—*continued.*

| Name, Residence, and Invention. | No. | Date. |
|---|-------|-----------|
| Pulsator Milking-machine Company (Limited), The, Christchurch, N.Z. Pulsating teat-cup for milking-machine. (J. A. Parsons) | 10543 | 26 April. |
| Pulsator Milking-machine Company (Limited), The, Christchurch, N.Z. Pulsating teat-cup for milking-machine. (J. A. Parsons) | 10666 | 6 June. |
| Quatannens-Moens, R., and another, Dixmude, Belgium. Producing acetylene gas | 10779 | 18 July. |
| Quertier, H., Mataura, N.Z. Force-feed for manure-distributor | 11029 | 29 Sept. |
| Quertier, H., Mataura, N.Z. Dredge tumbler and tme combined | 11065 | 13 Oct. |
| Rabe, H., Thames, Auckland, N.Z. Grip-brake for mining-cage, &c. | 10807 | 18 July. |
| Ramsey, W. A., Rangiora, N.Z. Preventing horses attached to vehicles from running away | 10907 | 23 Aug. |
| Ranger, W. J. T., and another, Gisborne, N.Z. Dry-earth closet | 10675 | 7 June. |
| Raymond, M. G., and another, Invercargill, N.Z. Thimble, or seaman's palm | 10694 | 13 June. |
| Rayner, H. E. R., Dunedin, N.Z. Fencing-standard | 10683 | 13 June. |
| Rechter, De. (See under D.) | | |
| Rees, J., Brunswick, Vic. (See W. H. Birch, No. 10505.) | | |
| Renner, G., and another, Kaikoura, N.Z. Sheep-brand | 10328 | 28 Jan. |
| Renner, G., and another, Kaikoura, N.Z. Sheep-brand | 11228 | 12 Dec. |
| Rentoul, W. S., Christchurch, N.Z. Torch | 10413 | 7 March. |
| Reynolds, A., Dunedin, N.Z. Propeller | 10369 | 15 Feb. |
| Reynolds, A., Dunedin, N.Z. Steam-ejector for exterminating weeds, garden-pests, &c. | 10896 | 18 Aug. |
| Reynolds, H., Christchurch, N.Z. Clock for use in starting races | 10884 | 29 Aug. |
| Reynolds, L. H., Dunedin, N.Z. Gold-dredging machinery | 10368 | 15 Feb. |
| Reynolds, L. H., Dunedin, N.Z. Clutches for dredge-winch | 10515 | 13 April. |
| Reynolds, L. H., Dunedin, N.Z. Pontoon construction for gold-dredge | 10569 | 5 May. |
| Richardson, G. J. A., Invercargill, N.Z. Freezing meat | 11127 | 14 Dec. |
| Richardson, P. E., and another, Makaraka, Poverty Bay, N.Z. Candlestick | 10955 | 5 Sept. |
| Ridge, J., and others, Brighton, Eng. Indicating and recording distance, time, and fare for vehicles | 10754 | 7 July. |
| Ridley, W. H. J., Onehunga, N.Z. Ore-furnace | 10864 | 9 Aug. |
| Ridley, W. H. J., Auckland, N.Z. Furnace for making wrought-iron direct from ironsand or ore | 10939 | 27 Aug. |
| Riecken, H., London, Eng. Electrolytical treatment of ores | 10848 | 6 Aug. |
| Ritchie, S., Auckland, N.Z. Umbrella-stand | 11199 | 24 Nov. |
| Roach, P., Timaru, N.Z. Standard for wire-fencing | 11210 | 2 Dec. |
| Roberts, B., and another, Brunnerton, Greymouth, N.Z. Chimney-top | 10581 | 10 Aug. |
| Roberts, B., and another, Brunnerton, Greymouth, N.Z. Rocking-cap for chimney | 10582 | 10 Aug. |
| Roberts, B., and another, Brunnerton, Greymouth, N.Z. Chimney-top | 10876 | 10 Aug. |
| Roberts, E., and another, Adelaide, S.A. Pipe or conduit for fermented or corrosive liquids | 10304 | 21 Jan. |
| Roberts, J. C. E., and another, Dunedin, N.Z. Depilating hides and skins | 10307 | 21 Jan. |
| Roberts, J. S., Christchurch, N.Z. Chalking billiard-cues | 10410 | 5 March. |
| Robertson, A., Dunedin, N.Z. Horse-cover | 10450 | 19 March. |
| Robertson, A. T., Forbes, N.S.W. Cricket-stumps | 10849 | 8 Aug. |
| Robertson, G. S., Wellington, N.Z. Cycle handle-bar | 10372 | 19 Feb. |
| Robertson, G. S., Wanganui, N.Z. Refrigerating process and apparatus | 10982 | 17 Sept. |
| Robertson, J., New Brighton, N.Z. Window-lock | 11105 | 26 Oct. |
| Robertson, J., Opitonui, Auckland, N.Z. Miner's pick | 11232 | 13 Dec. |
| Robertson, J., and another, Wellington, N.Z. Damper for moistening adhesive surfaces | 10601 | 18 May. |
| Robertson, J., and another, Wellington, N.Z. Moistening adhesive surfaces | 10793 | 19 July. |
| Robertson, J. P., Sydney, N.S.W. Toaster | 10461 | 23 March. |
| Robertson, J. P., Sydney, N.S.W. Tray attachment to bottle | 10656 | 7 June. |
| Robin, J., Dunedin, N.Z. Trap and buggy-spring | 11169 | 19 Nov. |
| Robinson, G., Pahiatua, Wellington, N.Z. Fire-tongs | 10475 | 5 April. |
| Robinson, J., Rosedale, Vic. Clothes-peg | 11082 | 20 Oct. |
| Robison, W. C., Wellington, N.Z. (See A. S. and W. H. Ballinger, No. 10840.) | | |
| Robison, W. C., and others, Wellington, N.Z. Hat | 10730 | 27 June. |
| Robison, W. C., and others, Wellington, N.Z. Sewing-thimble | 10744 | 4 July. |
| Roche, D., London, Eng. Raising and lowering fire-escape | 10415 | 8 March. |
| Roche, D., London, Eng. Crane | 11083 | 21 Oct. |
| Roche, La. (See under L.) | | |
| Roland, J., Gisborne, N.Z. Fastening and locking travelling-trunks, boxes, &c. | 11035 | 5 Oct. |
| Roland, J., and another, Gisborne, N.Z. Hanging and fastening window-sashes, &c. | 10473 | 28 March. |
| Romney, H. R., and another, London, Eng. (See J. H. Decent, No. 10366.) | | |
| Rose, T., and another, Cobden, Greymouth, N.Z. Chimney-top | 10581 | 10 Aug. |
| Rose, T., and another, Cobden, Greymouth, N.Z. Rocking-cap for chimney | 10582 | 10 Aug. |
| Rose, T., and another, Cobden, Greymouth, N.Z. Chimney-top | 10876 | 10 Aug. |
| Roseman, S. G., Aramocho, Wanganui, N.Z. Brush | 10418 | 9 March. |
| Roseman, S. G., Aramocho, Wanganui, N.Z. Protective device for brush | 11097 | 25 Oct. |
| Roseman, S. G., Aramocho, Wanganui, N.Z. Reversible brush | 11098 | 25 Oct. |
| Ross, A., Invercargill, N.Z. Drying wool, flax, &c. | 10590 | 12 May. |
| Ross, A., and another, Invercargill, N.Z. Skutching- and heckling-machine | 10591 | 13 May. |
| Ross, A., and another, Invercargill, N.Z. Preparing <i>Phormium tenax</i> and manufacturing it into fibre | 10605 | 20 May. |
| Ross, A., and another, Invercargill, N.Z. Manufacturing yarns from flax | 10650 | 3 June. |
| Ross, A., and another, Sutton, Surrey, Eng. Indicating and recording apparatus | 10449 | 19 March. |
| Ross, A. Y., Gisborne, N.Z. Appliance for opening and closing gates | 10607 | 11 May. |
| Ross, A. Y., Gisborne, N.Z. Hoe | 10860 | 3 Aug. |
| Ross, A. Y., Gisborne, N.Z. Sunshade for windows and doors | 11120 | 29 Oct. |
| Ross, A. Y., Gisborne, N.Z. Faucet- or tap-filter | 11133 | 18 Nov. |
| Ross, A. Y., and another, Gisborne, N.Z. Hanging and fastening window-sashes, &c. | 10473 | 28 March. |
| Ross, H. A., Dunedin, N.Z. Self-acting supply and ejector system | 11253 | 19 Dec. |
| Ross, W., and another, Invercargill, N.Z. Skutching- and heckling-machine | 10591 | 13 May. |
| Ross, W., and another, Invercargill, N.Z. Preparing <i>Phormium tenax</i> and manufacturing it into fibre | 10605 | 20 May. |
| Ross, W., and another, Invercargill, N.Z. Manufacturing yarns from flax | 10650 | 3 June. |
| Rothgiesser, G., Berlin, Germany. (See Internationale Hydro-Press-Gas Compagnie, Gesellschaft mit Beschränkter Haftung, No. 10799.) | | |
| Rousay, R. J., and another, Edinburgh, North Britain. Cutting paper into strips or shavings. . | 10471 | 31 March. |

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS IN THE YEAR 1898—*continued.*

| Name, Residence, and Invention | No. | Date. |
|---|-------|-----------|
| Rowbotham, W., London, Eng. Primary electric-battery | 10537 | 27 April. |
| Rowe, Katherine, and another, Christchurch, N.Z. Hose-connection | 10520 | 15 April. |
| Rowe, Katherine, and another, Christchurch, N.Z. Hose-coupling or union | 11032 | 3 Oct. |
| Royds, C., and another, St. Bathans, N.Z. Velocipede driving-gear | 10416 | 8 March. |
| Rudolfs, J., and another, Stockholm, Sweden. Extracting metals from oxide-ores or oxygen compounds | 10302 | 21 Jan. |
| Rufus, W., and another, Adelaide, S.A. Spark-arrester | 10818 | 27 July. |
| Russell, G. E., and another, Hasbrouck Heights, New Jersey, U.S.A. Manufacturing gas | 10280 | 15 Jan. |
| Russell, W. H., and another, Melbourne, Vic. Panoramic apparatus for exhibiting advertisements | 10708 | 21 June. |
| Russell, W. H., and another, Hasbrouck Heights, New Jersey, U.S.A. Manufacturing gas | 10280 | 13 Jan. |
| Rutherford, J., Pungarehu, Taranaki, N.Z. Flax-washer | 10668 | 8 June. |
| Sanderson, F. V., and others, Adelaide, S.A. Machine for labelling tins, jars, &c. | 10305 | 21 Jan. |
| Sangster, A., Invercargill, N.Z. Prospecting-dredge | 10384 | 17 Feb. |
| Saunders, A. G., Adelaide, S.A. (See Albatross Mining and Prospecting Company, Limited, No. 10785.) | | |
| Saxton, A. C., and another, Pyrmont, Sydney, N.S.W. Flooring. (A. M. Nelson) | 10821 | 28 July. |
| Scarr, J. S., Hobart, Tas. Paperhangings | 10990 | 21 Sept. |
| Schmid, C., Brussels, Belgium. (See the Anglo-Colonial Chemical Company, Limited, No. 10672.) | | |
| Schmidt, H. R., and another, New Brighton, Christchurch, N.Z. Rail-joint | 10791 | 18 July. |
| Schmidt, J. L., and another, Sydney, N.S.W. (See the Astral Incandescent Lighting Company, Limited, No. 11056.) | | |
| Schmoll, E., and another, Christchurch, N.Z. Cycle-driving mechanism | 11039 | 20 Oct. |
| Schmoll, L., and another, Christchurch, N.Z. Cycle-driving mechanism | 11089 | 20 Oct. |
| Schnackenberg, E. H., Raglan, Auckland, N.Z. Wire-strainer and fence-repairer | 10691 | 10 June. |
| Schwartz, G. G., Wellington, N.Z. Rusticated board | 10531 | 26 April. |
| Scott, D., Dunedin, N.Z. Speed-increasing device for velocipede-riders | 10636 | 30 May. |
| Scott, G., Sydney, N.S.W. Tubulous boiler. (E. Petersen) | 10823 | 28 July. |
| Scott, H. W., Stratford, N.Z. Liquid cattle-brand | 10857 | 9 Aug. |
| Scott, W. A., Dunedin, N.Z. Chain-gear brake | 10567 | 2 May. |
| Seabrook, B. R., and another, Victoria, B.C., Canada. Rock-crusher | 10264 | 6 Jan. |
| Searle, W. G., West Eyreton, Canterbury, N.Z. Castrating and tailing instrument | 10451 | 19 March. |
| Seaton, D. M., San Francisco, U.S.A. Thread-carrier for loom | 10502 | 14 April. |
| Seaton, D. M., San Francisco, U.S.A. Loom | 10512 | 14 April. |
| Sedcole, H., Wellington, N.Z. Wool-press | 10738 | 1 July. |
| Sell, A., Colac, Vic. Lifting, loading, unloading, and stacking goods or merchandise | 10929 | 31 Aug. |
| Selley, F. W., and another, Enmore, Sydney, N.S.W. Slack-adjuster for brake-gear of railway rolling-stock | 11112 | 31 Oct. |
| Shadgett, Elizabeth, Petone, Wellington, N.Z. Draught-concentrator and smoke-preventer for register grate | 10815 | 26 July. |
| Shanasy, E. P., Manana, Taranaki, N.Z. Securing the legs of cows whilst being milked | 10609 | 20 May. |
| Shepherd, J., Invercargill, N.Z. Spark-extinguisher and smoke-consumer | 10872 | 15 Aug. |
| Shepherd, J., Wellington, N.Z. Steering apparatus for traction-engine or steamboat | 11236 | 13 Dec. |
| Shury, A. H., Ashburton, N.Z. Gold-saving ripples | 11230 | 10 Dec. |
| Shuttleworth, J. J., Ryde, Sydney, N.S.W. Stopper and fastening for bottles, jars, casks, &c. | 11179 | 23 Nov. |
| Siemens Brothers and Company (Limited), London, Eng. Electric arc lamp. (F. Booker) | 11047 | 10 Oct. |
| Sigley, G., Wanganui, N.Z. Gig-spring | 10893 | 18 Aug. |
| Silenette Proprietary (Limited), Melbourne, Vic. Powder-introducing appliance for curative or surgical purposes. (F. W. Loxton) | 10952 | 8 Sept. |
| Silley, J. H., and another, Chepstow, Monmouthshire, Eng. Rotary wool-cutting machine | 10699 | 18 June. |
| Simson, D. C., New Plymouth, N.Z. Composition for cure of asthma | 10259 | 5 Jan. |
| Sinclair, F., and another, Coventry, Eng. (See the Dunlop Pneumatic Tire Company, Limited, No. 10386.) | | |
| Sinclair, W. G., and another, Edinburgh, North Britain. Cutting paper into strips or shavings | 10471 | 31 March. |
| Skelton, F. O., Taradale, Hawke's Bay, N.Z. Cattle-stop for railways | 10928 | 31 Aug. |
| Small, J., Christchurch, N.Z. Pump | 10469 | 28 March. |
| Smelting Corporation (Limited), The. Recovery of zinc from slags or residues. (H. E. Fry and R. Addie) | 11219 | 8 Dec. |
| Smethurst, E., Christchurch, N.Z. Railway or tramway rolling-stock | 10375 | 19 Feb. |
| Smethurst, E., Christchurch, N.Z. Hanging dropper for wire-fencing | 10898 | 19 Aug. |
| Smethurst, E., and another, Christchurch, N.Z. Dropper for wire-fencing | 10829 | 28 July. |
| Smethurst, E., and another, Christchurch, N.Z. Securing fencing-wires to standards | 10467 | 24 March. |
| Smillie, A., and another, North Williamstown, Vic. (See J. B. Zander and J. Cooke, No. 10620.) | | |
| Smith, A., Upper Shotover, N.Z. Recovering gold from beds of rivers, &c. | 10870 | 15 Aug. |
| Smith, C. B., and another, Dunedin, N.Z. Invoice-form holder | 11003 | 26 Sept. |
| Smith, D. E., and another, Christchurch, N.Z. Slip-sole | 10862 | 10 Aug. |
| Smith, D. E., and another, Christchurch, N.Z. Lasting-pliers | 10380 | 22 Feb. |
| Smith, F. W., and another, Christchurch, N.Z. Slip-sole | 10862 | 10 Aug. |
| Smith, H. B. H., Melbourne, Vic. Hand-hook for handling cargo | 10442 | 18 March. |
| Smith, J., and others, Dunedin, N.Z. Machine-belt fastener | 10633 | 30 May. |
| Smith, J. A., Brisbane, Queensland. Cycle-handle | 10488 | 7 April. |
| Smith, J. S., Wellington, N.Z. Mangling- or wringing-machine. (J. R. Bell and W. Woods, jun.) | 11220 | 8 Dec. |
| Smith, W., Wellington, N.Z. Matchbox | 10679 | 13 June. |
| Smith, W. R. S., Kaiapoi, N.Z. Circular frame for holding bicycle so that it shall run continuously in a circle | 10598 | 12 May. |
| Snape, H. L., and another, Aberystwith, Cardigan, Wales. Gold-extraction by cyanide process | 11264 | 23 Dec. |
| Soffe, S., Wellington, N.Z. Fastening sash-lines | 10351 | 12 Feb. |
| Soper, F. C., and another, Chicago, U.S.A. (See J. M. Ewen, No. 10480.) | | |
| Sparre, De. (See under D.) | | |
| Speed, J. B., Wellington, N.Z. Bicycle-tire | 11213 | 6 Dec. |
| Speight, J., Kirwee, Canterbury, N.Z. Bicycle-crank | 10265 | 6 Jan. |
| Speight, J., Kirwee, Canterbury, N.Z. Spark-extinguisher for engines | 10348 | 11 Feb. |
| Speight, J., Kirwee, Canterbury, N.Z. Bicycle driving-gear | 10782 | 18 July. |
| Spicer, G. E., Prahra, Vic. Velocipede-tire. (J. A. Bigelow) | 10530 | 25 April. |
| Sprey, E., Dunedin, N.Z. Watertight boot-sole | 10363 | 12 Feb. |
| Spriggs, W. M., and others, Birmingham, Eng. Attaching wire fabrics to bedsteads | 10388 | 28 Feb. |

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS IN THE YEAR 1898—continued.

| Name, Residence, and Invention. | No. | Date. |
|---|-------|-----------|
| Squier, C. E., and another, London, Eng. (See the Leather Pneumatic Tire Company, Limited, No. 10635.) | | |
| Squire, Marie L., Fairview, Timaru, N.Z. Cure for toothache | 11059 | 13 Oct. |
| Standfield, E. R., Melbourne, Vic. Dish-cover | 10943 | 5 Sept. |
| Stanley, J. C. W., Kensington, Middlesex, Eng. Treating cotton-seed | 10562 | 5 May. |
| Stephenson, F. C., and another, Wellington, N.Z. Mirror-and-watch combination | 11094 | 25 Oct. |
| Stevinson, T., and another, Gloucester, Eng. (See R. A. Lister and Co., Limited, No. 10671.) | | |
| Stewart, D. A., and another, Invercargill, N.Z. Cycle speed-gear | 10514 | 13 April. |
| Stewart, J., and another, Pleasant Point, Canterbury, N.Z. Kerosene-can | 10487 | 7 April. |
| Stewart, J. F., Wellington, N.Z. Cycle-brake | 11130 | 5 Nov. |
| Storrie, A., Invercargill, N.Z. Manure-distributor | 10600 | 18 May. |
| Streeter, D. C., Halswell, N.Z. Check-valve for pump | 10961 | 25 Sept. |
| Strong, W., and another, Dunedin, N.Z. Composition for destroying moths, larvæ, &c. | 10720 | 25 June. |
| Sully, W., London, Eng. Ore-furnace | 10301 | 20 Jan. |
| Sutherland, J., and another, New Brighton, Christchurch, N.Z. Rail-joint | 10791 | 18 July. |
| Sutherland, J., and another, Christchurch, N.Z. Toast-making apparatus | 11062 | 13 Oct. |
| Sutton, O. L., Oamaru, N.Z. Hay-knife | 10960 | 6 Sept. |
| Sydes, G., West Oxford, Canterbury, N.Z. Horse-cover | 10632 | 27 May. |
| Sykes, G., Christchurch, N.Z. Mounting toilet-mirrors | 11175 | 22 Nov. |
| Tait, A. L. J., Dunedin, N.Z. Wash-tub | 10428 | 4 March. |
| Tait, A. L. J., Dunedin, N.Z. Boat-propeller | 10663 | 1 June. |
| Tait, A. L. J., Dunedin, N.Z. Appliance for use in teaching cycling, swimming, skating, &c. | 10783 | 15 July. |
| Tait, A. L. J., Dunedin, N.Z. Funnel and spark catcher | 11063 | 11 Oct. |
| Tait, A. L. J., Dunedin, N.Z. Washing-machine | 11064 | 11 Oct. |
| Tait, A. L. J., Dunedin, N.Z. Clothes- or fibre-washing machine | 11146 | 10 Nov. |
| Tate, G., and another, Wellington, N.Z. Driving-gear for velocipede | 10758 | 7 July. |
| Taylor, C. H., Montreal, Canada. Hydraulic air-compressor | 10283 | 13 Jan. |
| Taylor, E. F., Sheffield, York, Eng. Collapsible receptacle made from paper | 10325 | 27 Jan. |
| Taylor, J., Dunedin, N.Z. Crate for packing rabbits | 10271 | 8 Jan. |
| Taylor, J., and another, Auckland, N.Z. Gate-hinge | 10964 | 3 Sept. |
| Taylor, J. E., Mangere, Auckland, N.Z. Hydraulic or aerostatic self-registering weighing-machine | 11093 | 21 Oct. |
| Taylor, J. M., and another, Christchurch, N.Z. Acetylene-gas generator | 10886 | 17 Aug. |
| Taylor, J. W. C., Stratford, Taranaki, N.Z. Tin for carrying liquids | 11002 | 23 Sept. |
| Taylor, W. H., Dannevirke, N.Z. Preventing rain driving under window-sash | 10678 | 27 June. |
| Taylor, W. H., Dannevirke, Hawke's Bay, N.Z. Preventing rain driving under doors | 10767 | 12 July. |
| Teifer, R. P. A., Port Chalmers, N.Z. Saving fine gold | 10541 | 23 April. |
| Temperley, J., and another, London, Eng. Raising, lowering, and transporting loads | 10808 | 25 July. |
| Temperley, J. R., and another, London, Eng. Raising, lowering, and transporting loads | 10808 | 25 July. |
| Terry, A., jun., Sydney, N.S.W. Barrel-stave protector and bung-hole bushing | 10820 | 28 July. |
| Thompson, R. V., and another, Melbourne, Vic. Bicycle driving-gear | 10532 | 27 April. |
| Thompson, H. V., and others, Melbourne, Vic. Bicycle driving-gear | 11053 | 11 Oct. |
| Thompson, W. A., Invercargill, N.Z. Rabbit-crate | 10401 | 26 Feb. |
| Thompson, W. A., Invercargill, N.Z. Rabbit-crate | 11099 | 21 Oct. |
| Thompson, W. J., Kogarah, Sydney, N.S.W. Bicycle-driving mechanism | 11137 | 10 Nov. |
| Thomson, Colquhoun. (See under C.) | | |
| Thurlow, E., and another, Melbourne, Vic. (See G. J. Betts and F. T. Bower, No. 10507.) | | |
| Tidd, T. H., Auckland, N.Z. Lever-pedal for bicycle | 11039 | 4 Oct. |
| Tillbrook, S., and another, Monarto, S.A. Feed device for fertiliser-drill | 10945 | 5 Sept. |
| Timewell, A. T., Chicago, U.S.A. Filled-sack sewing-machine | 10794 | 19 July. |
| Tolleth, T. E., Wellington, N.Z. War-balloon | 10792 | 19 July. |
| Tomkies, A. G., Brunner, N.Z. Foot-grip for bicycle-pedal | 10871 | 15 Aug. |
| Tomline, R., and another, Christchurch, N.Z. Hydraulic ram | 10833 | 21 Feb. |
| Tomline, R., and another, Christchurch, N.Z. Hydraulic ram | 10765 | 8 July. |
| Tonkin, W. J., Dunedin, N.Z. Rabbit-crate | 10985 | 17 Sept. |
| Tooth, E., Redfern, Sydney, N.S.W. (See Etothene Gas Company, Limited, No. 10421.) | | |
| Tooth, E., Redfern, Sydney, N.S.W. (See Etothene Gas Company, Limited, No. 10422.) | | |
| Trackson, J., Brisbane, Q. Acetylene-gas generator for lighting railway-carriages, &c. | 11135 | 10 Nov. |
| Travis, W. H., Christchurch, N.Z. Horse-cover fastening | 10652 | 1 June. |
| Trengrove, W. H., Christchurch, N.Z. Meat-marker | 10349 | 9 Feb. |
| Trengrove, W. H., Christchurch, N.Z. Driving belt | 10350 | 9 Feb. |
| Trengrove, W. H., and others, Christchurch, N.Z. Marking meat | 11092 | 21 Oct. |
| Treseder, P., and another, Dunedin, N.Z. Cigar or cigarette | 11109 | 27 Oct. |
| Trevor, R. C., Christchurch, N.Z. Manufacturing varnish from kauri-gum | 10426 | 9 March. |
| Trevor, R. C., Christchurch, N.Z. Extracting oil and spirit from kauri-gum refuse | 11181 | 22 Nov. |
| Trollope, H. C., and another, Wellington, N.Z. Tobacco-cutting machine | 10737 | 1 July. |
| Tullis, J. K., Glasgow, North Britain. Treating hides and skins | 10918 | 29 Aug. |
| Tunzelmann, De. (See under D.) | | |
| Turnbull, W., Wellington, N.Z. Drawing off fixed quantities of liquids | 10558 | 5 May. |
| Turnbull, W., Wellington, N.Z. Apparatus for drawing off fixed quantities of liquids | 10959 | 9 Sept. |
| Turton, J. G., Melbourne, Vic. (See W. E. Hughes, No. 10931.) | | |
| Tyers, W. M., Wellington, N.Z. Device for securing an article to a stand | 10555 | 4 May. |
| Tyree, A., and another, Christchurch, N.Z. Lasting-pliers | 10380 | 22 Feb. |
| Tyree, W., Nelson, N.Z. Acetylene table, bicycle, or carriage-lamp | 10417 | 7 March. |
| Tyree, W., Nelson, N.Z. Acetylene lamp | 10478 | 4 April. |
| Tyree, W., Nelson, N.Z. Acetylene-generator | 10571 | 6 May. |
| Tyree, W., Nelson, N.Z. Acetylene lamp and generator | 10572 | 6 May. |
| Tyree, W., Nelson, N.Z. Acetylene lamp and generator | 10768 | 12 July. |
| Tyson, J., and another, Rogabere, Otago, N.Z. Dredge-bucket link | 11078 | 19 Oct. |
| Uhlmann, E., Westchester, U.S.A. Manufacturing non-intoxicating beverage | 11067 | 17 Oct. |
| Umfreville, G. H., and another, Wellington, N.Z. Preserving eggs. (I. W. Poor).. .. . | 10339 | 4 Feb. |
| Valder, H., Wellington, N.Z. Overweight indicator | 10492 | 12 April. |
| Van Buskirk, S., South Yarra, Vic. Briile and bit for horses | 10420 | 10 March. |
| Vernon, C. E., and another, Plaistow, Essex, Eng. Indicating and recording apparatus | 10449 | 19 March. |
| Verschoyle, W. D., Christchurch, N.Z. Chain-wheel and chain for cycles | 10936 | 31 Aug. |
| Vickers, F. W., London, Eng. Self-feeder for ruling, printing, rolling, and lithographic machines | 10504 | 14 April. |

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS IN THE YEAR 1898—continued.

| Name, Residence, and Invention. | No. | Date. |
|---|-------|--------------|
| Vidal, H. R., Paris, France. Process for manufacturing alkaline cyanides and cyanated products | 10798 | 21 July. |
| Villiers, S. J., and another, Melbourne, Vic. Tell-tale clock attachment | 10802 | 22 July. |
| Vincent, A., Normanby, N.Z. Preserving apples | 10454 | 23 March. |
| Volenite (Limited), London, Eng. Method and apparatus for vulcanising and oxidizing fibrous materials for insulating purposes. (F. Lamplough) | 11074 | 17 Oct. |
| Von Welsbach, C. R. A., Vienna, Austria. Incandescence electric lamp | 11159 | 14 Nov. |
| Voyce, W. E., Gisborne, N.Z. Egg-lifter | 10931 | 25 Aug. |
| Wah, Wong Young. (See Wong Young Wah.) | | |
| Wales, J., Newport, Vic. Apparatus for collecting and sedimenting auriferous slimes | 10689 | 14 June. |
| Walker, A. S., and another, Auckland, N.Z. Gold- and silver-extraction | 11242 | 17 Dec. |
| Walker, E., Christchurch, N.Z. Fencing-post | 10887 | 17 Aug. |
| Walker, H. R., New Brighton, N.Z. Non-refillable bottle | 11027 | 28 Sept. |
| Walker, J., and another, Dunedin, N.Z. Safety appliance for acetylene-gas generator | 10648 | 31 May. |
| Walker, J. F., and another, Christchurch, N.Z. Toast-making apparatus | 11062 | 13 Oct. |
| Walker, T. B., Leytonstone, Eng. Manufacture of folding boxes | 10618 | 26 May. |
| Walker, T. B., Leytonstone, Eng. Cardboard box | 10968 | 14 Sept. |
| Waller, G. A., and another, Zeehan, Tas. Percussion-table | 11170 | 21 Nov. |
| Waller, R. F., and another, Zeehan, Tas. Percussion-table | 11170 | 21 Nov. |
| Wallman, J., and others, Christchurch, N.Z. Mode of marking meat | 11092 | 21 Oct. |
| Walters, W. B., Wellington, N.Z. Apparatus for concentrating milk | 11196 | 26 Nov. |
| Wapshare, R., Narramore, Devonshire, Eng. (See E. T. D. Bell, No. 10998.) | | |
| Warren, J. G., Gravesend, Kent, Eng. Golf-practice apparatus | 10634 | 30 May. |
| Waterhouse, W., and others, Birmingham, Eng. Attaching wire fabrics to bedsteads, &c. | 10388 | 28 Feb. |
| Waters, A. M., Gore, N.Z. Potato digger, bagger, and separator | 11154 | 14 Nov. |
| Watson, W. W., Dunedin, N.Z. Reproducer for graphophone | 10910 | 26 Aug. |
| Waugh, E., and another, Denver, U.S.A. Dry-ore concentrator and separator | 10559 | 5 May. |
| Waugh, R. E., and another, Denver, U.S.A. Dry-ore concentrator and separator | 10559 | 5 May. |
| Wearne, J. E., Waihi, Auckland, N.Z. Mining-cage extension-frame for shaft-sinking | 10654 | 6 June. |
| Weber, M., Adelaide, S.A. Stamper-battery | 11178 | 22 Nov. |
| Weeks, H. J., Christchurch, N.Z. Method of producing a plurality of half-tone printing-blocks of the same object | 10639 | 31 May. |
| Welch, C. K., Coventry, Eng. Pneumatic tire | 10811 | 6 Oct., '97* |
| Welch, C. K., Coventry, Eng. Wheel-tire | 11075 | 4 May, '98* |
| Welch, C. K., Coventry, Eng. Wheel-rim | 11076 | 5 July, '98* |
| Weld, S., Christchurch, N.Z. Medicinal compound | 10861 | 10 Aug. |
| Wells, A. G., London, Eng. Grinding-mill | 10739 | 28 June. |
| Wells, A. G., London, Eng. Ore-furnace | 10845 | 3 Aug. |
| Welsbach, Von. (See under V.) | | |
| Welsby, J., and another, Wellington, N.Z. Skylight | 10761 | 8 July. |
| Welsby, J., and another, Wellington, N.Z. Apparatus for raising water | 11045 | 10 Oct. |
| Welsby, J., and another, Wellington, N.Z. Water-closet siphon | 11095 | 25 Oct. |
| Welsby, J., and another, Wellington, N.Z. Ball-cock for water-cistern | 11096 | 25 Oct. |
| Welsby, J., and another, Wellington, N.Z. Valve for flushing water-closets and drawing off liquids | 11231 | 13 Dec. |
| Westinghouse, G., Pittsburg, U.S.A. Rotary motor or pump | 10564 | 5 May. |
| Wetherill, J. P., South Bethlehem, U.S.A. (See Metallurgische Gesellschaft, No. 10594.) | | |
| Wetherwax, C., Best, N.Y., U.S.A. Process of removing gummy matters from vegetable fibres | 10993 | 22 Sept. |
| Whitburn, D., Kuatunu, A., N.Z. Combined knife, detonating-cap and fuse clinch, and cartridge-punch, for use in blasting operations | 10904 | 17 Aug. |
| Whitburn, D., Auckland, N.Z. Scale attachment to compasses for defining distances between points of legs | 11145 | 7 Nov. |
| Whitburn, S., Te Aroha, N.Z. Tack-holder | 10858 | 5 Aug. |
| White, G., and another, Leicester, Eng. Producing coloured yarns | 10897 | 22 Aug. |
| "White" Patent Rail Fastening Company (Limited), The, Adelaide, S.A. Rail-fastening. (R. A. White) | 10851 | 8 Aug. |
| White, R. A., Adelaide, S.A. (See the "White" Patent Rail Fastening Company, Limited, No. 10851.) | | |
| Whitefield, J., and another, Auckland, N.Z. Airtight closet-pan | 10688 | 8 June. |
| Whitehead, E., and another, Auckland, N.Z. Machine for sewing mouths of bags or sacks when full | 10906 | 20 Aug. |
| Whitelaw, A. A., and another, Wellington, N.Z. Toy cinematograph | 10627 | 27 May. |
| Whitelaw, A. A., and another, Wellington, N.Z. Apparatus for calculating slide-valves | 11211 | 5 Dec. |
| Whitney, A. C., Auckland, N.Z. Granulated gas-check for cartridge | 10556 | 29 April. |
| Whittaker, A. J., Hawera, N.Z. Doormat-fastener | 10642 | 2 June. |
| Willey, E. M., and another, Dunedin, N.Z. Invoice-form holder | 11003 | 26 Sept. |
| Willey, E. M., and another, Dunedin, N.Z. Bicycle-brake | 11050 | 10 Oct. |
| Wilkins, J., and another, Auckland, N.Z. Piston-wheel rotary steam-, gas-, or oil-engine | 10813 | 21 July. |
| Wilkins, J., and another, Auckland, N.Z. Piston-wheel rotary steam-, gas-, or oil-engine | 10912 | 23 Aug. |
| Wilkins, J., and another, Auckland, N.Z. Rotary steam-, gas-, or oil-engine | 11238 | 13 Dec. |
| Wilkinson, R., Auckland, N.Z. Toe-plate | 10826 | 25 July. |
| Williams, C., Masterton, N.Z. Wire-grip for fencing | 10553 | 3 May. |
| Williams, C., Christchurch, N.Z. Machine for peeling and washing potatoes, turnips, &c. | 10839 | 2 Aug. |
| Williams, H. E. B., Wellington, N.Z. Indigestion cure | 11250 | 19 Dec. |
| Williams, H. G., and others, Dunedin, N.Z. Brush | 10526 | 21 April. |
| Williams, H. W., Onehunga, N.Z. Clean-ing polish | 10713 | 22 June. |
| Williams, W. F., London, Eng. Elastic tire | 10651 | 1 June. |
| Williams, W. F., and another, Invercargill, N.Z. Cricket-pads | 10385 | 23 Feb. |
| Williamson, G. H., Worcester, Eng. Cover and cutter for hermetically sealed metallic box | 10292 | 17 Jan. |
| Williamson, W. A. S., Camberwell, Vic. Rabbit-trapping fence | 11046 | 10 Oct. |
| Willmott, W., and another, Cooma, N.S.W. Operating mechanism for wool-press | 11113 | 31 Oct. |
| Wilson, H., and another, Christchurch, N.Z. Split pulley | 11222 | 8 Dec. |
| Wilson, T. C., Sydenham, N.Z. Gas-stove | 10274 | 7 Jan. |
| Wilson, W. R., Narandera, N.S.W. Cultivator | 10336 | 3 Feb. |
| Windham, F., and another, London, Eng. (See the Leather Pneumatic Tire Company, Limited, No. 10635.) | | |

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS IN THE YEAR 1898—continued.

| Name, Residence, and Invention. | No. | Date. |
|---|-------|-----------|
| Witham, M. G., Lynn, Mass., U.S.A. (See C. H. B. Corbett, No. 11114.) | | |
| Wix, A. M., Nelson, N.Z. Trouser-protector for use of cyclists | 10354 | 12 Feb. |
| Wong Young Wah, Orepuki, Wallace, N.Z. Fastener for affixing hose-piping to nozzles | 11126 | 31 Oct. |
| Woodcock, W. H., West Norwood, Surrey, Eng. Roller-bearings | 10389 | 28 Feb. |
| Woodford, A. J. C., Christchurch, N.Z. Cycle-brake | 11121 | 31 Oct. |
| Woods, W., jun., and another, Sheffield, Eng. (See J. S. Smith, No. 11220.) | | |
| Worland, R., Warrnambool, Vic. Band or hoop for milk-cans, &c. | 10645 | 2 June. |
| Worthington, C. C., Irvington, N.Y., U.S.A. Steam-engine | 11030 | 4 Oct. |
| Wrenn, T. A., and another, Christchurch, N.Z. Horse-sling | 10398 | 1 March. |
| Wright, F. L., and another, Chicago, U.S.A. (See J. M. Ewen, No. 10480.) | | |
| Wright, G. M., Wellington, N.Z. Utensil for grilling meat, toasting bread, &c. | 10908 | 25 Aug. |
| Wright, J., and another, Dunedin, N.Z. Hat-fastener | 10680 | 13 June. |
| Wright, J., and another, Dunedin, N.Z. Hat-fastener | 10493 | 12 April. |
| Wright, J. P., New Haven, U.S.A. (See Diamond Match Company, Limited, No. 11160.) | | |
| Wright, R. H., and another, Partington, Chester, Eng. Means of advertising | 11227 | 10 Dec. |
| Wyett, R. W., Melbourne, Vic. Apparatus for delivering measured quantities of milk, &c. | 11123 | 3 Nov. |
| Wynne, A., and another, Melbourne, Vic. Means for securing hammer-, axe-, and pick-heads to handles | 10260 | 5 Jan. |
| Wynne, W. P., Ballarat, Vic. Roller-mill for crushing quartz | 10944 | 5 Sept. |
| Xpedite Machine Company, Lynn, Mass., U.S.A. Heel-finishing machine. (Z. Beaudry) | 11138 | 10 Nov. |
| Young, C. E., and others, Fowler's, N.Z. Brand | 10838 | 15 Sept. |
| Young, H. S., and another, Leon, Nicaragua. Treating ores for the recovery of metal | 11010 | 28 Sept. |
| Young, Wah Wong. (See under W.) | | |
| Zander, J. B., and another, Melbourne, Vic. Method of and crate for packing rabbits and hares. (T. Durkin and A. Smillie) | 10620 | 26 May. |
| Zander, J. B., and another, Melbourne, Vic. Tray for use in refrigeration of rabbits and hares | 10621 | 26 May. |
| Zerener, M. B., Middlesex, Eng. (See the Gold-extraction Syndicate, Limited, No. 10563.) | | |

ALPHABETICAL LIST OF TITLES OF INVENTIONS FOR WHICH LETTERS PATENT HAVE BEEN APPLIED DURING THE YEAR 1898.

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

| Invention and Name of Inventor. | No. | Date. |
|--|-------|-----------|
| Abdominal support. L. E. Abercrombie | 10909 | 24 Aug. |
| Acetylene and carbonic-acid gas combined, Gas plant and system for producing. R. Goodwin | 10974 | 15 Sept. |
| Acetylene carriage, cycle, or motor-car lamp. T. Holliday | 10425 | 10 March. |
| Acetylene gas, Apparatus for generation and storage of. A. Kay | 10764 | 8 July. |
| Acetylene gas for private and public lighting, Machine for producing. R. Quatannens-Moens and E. Carreer-Dilger | 10779 | 18 July. |
| Acetylene-gas generator. G. McKnight | 10341 | 4 Feb. |
| Acetylene-gas generator. R. H. Jamieson | 10435 | 18 March. |
| Acetylene-gas generator. G. E. Mansill | 10333 | 30 July. |
| Acetylene-gas generator. J. M. Taylor and H. Oakley | 10886 | 17 Aug. |
| Acetylene-gas generator. G. Dillberg | 10917 | 29 Aug. |
| Acetylene-gas generator and gasometer. E. H. Elliott | 11153 | 12 Nov. |
| Acetylene-gas generator for lighting railway-carriages, &c. J. Trackson | 11135 | 10 Nov. |
| Acetylene-gas generator or reservoir, Safety appliance for. J. Walker and G. H. Oatway | 10648 | 31 May. |
| Acetylene-gas lamp. R. Holliday | 10834 | 30 July. |
| Acetylene-gas lamp. W. Tyree | 10417 | 7 May. |
| Acetylene gas, Means for using calcium-carbide for purpose of generating. G. Dillberg | 10749 | 5 July. |
| Acetylene gas, Treatment of calcium-carbide for conversion of same into. G. Dillberg | 10747 | 5 July. |
| Acetylene-generator. W. Tyree | 10571 | 6 May. |
| Acetylene lamp. W. Tyree | 10478 | 4 April. |
| Acetylene lamp and generator. W. Tyree | 10572 | 6 May. |
| Acetylene lamp and generator. W. Tyree | 10768 | 12 July. |
| Acetylene table-, bicycle-, or carriage-lamp. W. Tyree | 10417 | 7 March. |
| Acid or titanium from ironsand, Process and apparatus for extracting titanite. A. Coubrough | 11036 | 7 Oct. |
| Acid, Process for manufacturing carbonic. H. S. Elworthy | 10901 | 23 Aug. |
| Actuating mechanism, Coin-freed. R. L. H. Murray | 10445 | 18 March. |
| Adhesive surfaces, Device for moistening. R. M. Hathaway and J. Robertson | 10601 | 18 May. |
| Adhesive surfaces, Device for moistening. R. M. Hathaway and J. Robertson | 10793 | 19 July. |
| Advertisements, Panoramic apparatus for exhibiting. W. H. Russell and C. H. Peake | 10708 | 21 June. |
| Advertising cycle. F. C. Powell | 10282 | 13 Jan. |
| Advertising, Means of. W. J. Hawkins and R. H. Wright | 11227 | 10 Dec. |
| Advertising medium, Apparatus for indicating or recording distance, time, and fare for vehicles; also applicable as an. W. Blaker, J. Ridge, T. Mutton, and H. E. Hupton | 10754 | 7 July. |
| Advertising-signs. N. L. Baird and H. L. Ives | 10465 | 7 April. |
| Aerator, Method of attaching vessels of milk-, to frame of same. A. Harvey | 10996 | 20 Sept. |
| Aerator, Milk cooler and. W. R. Gutteridge and A. Jack | 11173 | 22 Nov. |
| Aerostatic self-registering weighing-machine, Hydraulic or. J. E. Taylor | 11093 | 21 Oct. |
| Agitator for crushed quartz. G. H. and M. J. Oatway | 10272 | 24 Jan. |
| Agricultural drills and sowers, Feed for. J. Keir | 10916 | 26 Aug. |
| Air, Apparatus for exhausting, and producing a vacuum. M. Fink | 10772 | 14 July. |
| Air, Apparatus for treating and cooling heated fats and oils with. C. G. Hepburn | 10854 | 8 Aug. |
| Air-compressor, Hydraulic. C. H. Taylor | 10283 | 13 Jan. |
| Air-cooler. W. Cooper | 10327 | 24 Jan. |
| Air for motive purposes, Method of compressing. E. Bond and W. H. Burton | 10995 | 20 Sept. |
| Air-turbine, Method of operating steam- or. J. W. Paige and T. S. E. Dixon | 10561 | 5 May. |
| Alarm annunciator, Fire-. C. May | 10873 | 12 Aug. |
| Alarm apparatus, Automatic code-telegraph fire-. R. Pearson | 11269 | 28 Dec. |

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

| Invention and Name of Inventor. | No. | Date. |
|--|-------|-----------|
| Alarm, Electric fire-. J. Gaut | 10370 | 19 Feb. |
| Alarm, Electric fire-. J. Gaut | 10399 | 1 March. |
| Alarm, Electric fire-. J. Gaut | 10468 | 30 March. |
| Alarm, Electric fire-. J. Gaut | 11260 | 22 Dec. |
| Alarm, Fire-. F. Castle | 10661 | 4 June. |
| Albuminous substances from animal or vegetable products, Process for preparation and extraction of. D. Finkler | 10596 | 17 May. |
| Alcohol by saccharification and fermentation by mucedineae, Manufacture of. A. Collette, fils, and A. Boidin | 11131 | 7 Nov. |
| Alcohol by saccharification and fermentation by mucedineae, Manufacture of. A. Collette, fils, and A. Boidin | 11132 | 7 Nov. |
| Alimentary product. J. H. Kellogg | 10617 | 26 May. |
| Alkaline cyanides and cyanated products, Process for manufacturing. H. R. Vidal | 10798 | 21 July. |
| Alluvial gold, Saving. G. H. and A. A. Oatway | 10273 | 24 Jan. |
| Alluvial ground, Damming back water from, to facilitate hydraulic elevating and sluicing. A. Smith | 10870 | 15 Aug. |
| Amalgamator. H. S. Cope | 10373 | 19 Feb. |
| Amalgamator. A. A. Lockwood | 10740 | 28 June. |
| Amalgamator, Gold-saving. R. U. Golding | 11006 | 28 Sept. |
| Ambulance stretcher. H. Desmond | 11243 | 14 Dec. |
| Anatomic, entomologic, &c., specimens, Process for preserving. F. and G. de Rechter | 11214 | 8 Dec. |
| Animal fats, Treating. C. H. Izard | 11183 | 25 Nov. |
| Animal-, fish-, or vermin-trap. W. and T. D. Bayliff and B. Draper | 11058 | 13 Oct. |
| Annunciator, Fire-alarm. C. May | 10873 | 12 Aug. |
| Ants, &c., Composition for destroying white. W. Bain | 10789 | 14 July. |
| Aperient edible, Medicated. H. E. D'Albites | 11248 | 21 Dec. |
| Apples, Preserving. A. Vincent | 10454 | 23 March. |
| Arc lamp. W. Jandus | 10322 | 27 Jan. |
| Arc lamp, Electric. Siemens Brothers and Co. (Limited) | 11047 | 10 Oct. |
| Arrester, Spark-. H. S. Krichauff and W. Rufus | 10818 | 27 July. |
| Artificial fuel. W. E. Hughes | 11013 | 28 Sept. |
| Artificial stone. S. G. Kilminster | 10472 | 1 April. |
| Artillery purposes, Dynamite-shell for. J. Arnaboldi | 10971 | 10 Sept. |
| Asthma cure. D. C. Simson | 10259 | 5 Jan. |
| Auriferous ores, Mode of and apparatus for decanting solutions from. J. J. Deeble | 10687 | 13 June. |
| Auriferous slimes, Apparatus for collecting and sedimenting. J. Wales | 10689 | 14 June. |
| Auriferous washes, crushed quartz, &c., Agitating. G. H. and M. J. Oatway | 10272 | 24 Jan. |
| Auto-luminous composition. L. Braly | 10326 | 27 Jan. |
| Auto-motor carriage or vehicle. W. J. Brewer and J. E. Cooper | 11229 | 12 Dec. |
| Axe-, hammer-, and pick-heads to handles, Means for securing. F. Baker and W. Wynne | 10260 | 5 Jan. |
| Axes, &c., Shield or guard for handles of. F. Baker | 10880 | 17 Aug. |
| Axle for use with solid or rubber tires on bicycles, &c., Spring. C. C. Morris | 10673 | 7 June. |
| Bag for preservation of frozen, fresh, &c., produce, Wrapper or. F. A. Furlonge | 10485 | 7 April. |
| Bag machine, Paper-. A. Brainard | 11158 | 14 Nov. |
| Bagger, and separator, Potato digger. A. M. Waters | 11154 | 14 Nov. |
| Bagging, Preventing trousers. C. C. A. Hall | 10660 | 8 June. |
| Bags or sacks, Machines for sewing mouths of. J. Crook and E. Whitehead | 10906 | 20 Aug. |
| Bags, sacks, bales, &c., Brand for sheep. G. Lambert | 10565 | 6 May. |
| Baker's dough, &c., Compound for use in making yeast. J. T. Norton | 10970 | 13 Sept. |
| Balance and ready reckoner, Spring. W. S. Andrews and J. Boock | 11118 | 2 Nov. |
| Balance, Window-sash and. T. Andrew | 10950 | 8 Sept. |
| Bale-covering. M. A. Heath | 10842 | 5 Aug. |
| Baling-press, Monkey-plate and ram for. W. Humble and W. Nicholson | 10690 | 14 June. |
| Ball-cock for water-cisterns. H. G. Bedell and J. Welsby | 11096 | 25 Oct. |
| Balloon, War-. T. E. Tolleth | 10792 | 19 July. |
| Band or hoop for milk-cans, &c. R. Worland | 10645 | 2 June. |
| Band, Travelling-. A. J. Cuming | 10309 | 19 Jan. |
| Bar for cycles, Handle-. G. S. Robertson | 10372 | 19 Feb. |
| Barrel or cask-racking apparatus. J. J. Marshall | 10987 | 19 Sept. |
| Barrel-stave protector and bung-hole bushing. A. Terry, jun. | 10820 | 28 July. |
| Bars, Concave. J. P. Neilson | 10344 | 4 Feb. |
| Bath. G. McCaul | 11239 | 16 Dec. |
| Battens, Method of attaching, to reaper-and-binder canvases. T. H. Mann | 10630 | 27 May. |
| Battery, Galvanic. A. J. Benedict | 10266 | 5 Jan. |
| Battery-stamps for crushing quartz, Lifting and directing. R. Cockerell | 10580 | 29 April. |
| Battery. (See Electric battery, Primary battery, Stamper battery.) | | |
| Beading-spouting dies. H. G. Bedell | 10915 | 29 Aug. |
| Bearings, Roller-. W. H. Woodcock | 10389 | 28 Feb. |
| Beaters for reaping-and-binding machinery. J. Kelly, jun. | 10453 | 19 March. |
| Beating-bar and feed-mouth for flax-stripper. W. Fairweather | 10518 | 15 April. |
| Bed and bedstead, Stretcher-. J. Morris | 10409 | 5 March. |
| Bed- and foot-warmer. F. B. Clapcott | 10806 | 15 July. |
| Bedstead, Stretcher-bed and. J. Morris | 10409 | 5 March. |
| Bedsteads, &c., Attachment of wire fabrics to. W. M. Spriggs and W. Waterhouse | 10388 | 28 Feb. |
| Beer, &c., Filtering apparatus for. H. E. Brittin | 11237 | 15 Dec. |
| Bell, Cycle-. C. L. Dearsley and A. W. Lane | 11224 | 8 Dec. |
| Belt, Driving-. W. H. Trengrove | 10350 | 9 Feb. |
| Belt-fastener. S. R. Brewerton | 10644 | 1 June. |
| Belt fastener, Machine-. C. J. and A. E. Inder and J. Smith | 10633 | 30 May. |
| Bench-cramp or work-holder. R. C. Humphreys | 11166 | 19 Nov. |
| Bench, Feed-gear for saw. G. A. Gamman | 10830 | 30 July. |
| Beverage, Manufacturing non-intoxicating. E. Uhlmann | 11067 | 17 Oct. |
| Bicycle. J. Gaut | 10321 | 27 Jan. |
| Bicycle, Apparatus for use in learning to ride a. F. W. Painter | 10837 | 1 Aug. |
| Bicycle attachment to prevent lubricants soiling rider's apparel. H. M. and J. Levinge | 10395 | 1 March. |
| Bicycle-brake. B. Locking | 10299 | 20 Jan. |
| Bicycle-brake. E. M. Wildey | 11050 | 10 Oct. |

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

| Invention and Name of Inventor. | No. | Date. |
|--|-------|-----------|
| Bicycle, Circular frame for holding, so that it shall run in a circle. W. R. S. Smith | 10598 | 12 May. |
| Bicycle, Convertible. J. R. McRae | 10676 | 13 June. |
| Bicycle-crank. J. Speight | 10265 | 6 Jan. |
| Bicycle driving-gear. R. V. Thompson and C. A. Horton | 10592 | 27 April. |
| Bicycle driving-gear. W. J. Lloyd and W. Priest | 10456 | 21 March. |
| Bicycle driving-gear. J. Speight | 10782 | 18 July. |
| Bicycle driving-gear. R. V. Thompson, C. A. Horton, and W. Murphy | 11053 | 11 Oct. |
| Bicycle driving-gear. T. R. Alexander | 11209 | 1 Dec. |
| Bicycle driving mechanism. W. J. Thompson | 11137 | 10 Nov. |
| Bicycle, Folding. G. Paterson | 10297 | 19 Jan. |
| Bicycle-gear. M. R. Pierce and F. H. Murphy | 10703 | 20 June |
| Bicycle-gearing. Ah Pat | 10957 | 9 Sept. |
| Bicycle-lamp, Acetylene. W. Tyree | 10417 | 7 March. |
| Bicycle, Lever-pedal for. T. H. Tidd | 11039 | 4 Oct. |
| Bicycle, Military. G. Paterson | 10296 | 19 Jan. |
| Bicycle- or tricycle-crank. A. Mackay, J. Drummond, and J. and M. Christophersen | 10291 | 18 Jan. |
| Bicycle-pedal, Foot-grip for. A. G. Tomkies | 10871 | 15 Aug. |
| Bicycle, Pneumatic handle for. H. Morrison | 10278 | 11 Jan. |
| Bicycle-rest. G. W. Newson and J. P. Harris | 10752 | 5 July |
| Bicycle, Spur-gearing for driving. T. H. Austin and J. Mikoz | 10967 | 7 Sept. |
| Bicycle, Spring axle for use with solid or rubber tires on. C. C. Morris | 10673 | 7 June. |
| Bicycle-stand. A. J. Cuming | 10677 | 11 June. |
| Bicycle-stand. A. J. Cuming | 10760 | 6 July. |
| Bicycle-support. R. S. McFarland and G. K. Askin | 10718 | 22 June. |
| Bicycle-support. G. W. Newson and J. P. Harris | 10892 | 19 Aug. |
| Bicycle-tire. J. B. Speed | 11213 | 6 Dec. |
| Bicycle. (See also Cycle, Encycle, Monocycle, Tire, Tricycla, Velocipede, Wheel.) | | |
| Billhook, Slasher or. G. Lovell | 11115 | 27 Oct. |
| Billiard- and dining-table combined. D. McKenzie | 10994 | 19 Sept. |
| Billiard-cues, Apparatus for chalking. J. S. Roberts | 10410 | 5 March. |
| Billiard-pool marbles, Box for holding. W. Miller | 11023 | 24 Sept. |
| Billiard-table, Circular. W. H. Chapman and T. Falvey | 10522 | 16 April. |
| Binder or clip. U. Dudley | 11217 | 8 Dec. |
| Binder. (See Reaper-and-binder.) | | |
| Bit for horses, Bridle and. S. van Buskirk | 11420 | 10 March. |
| Bit, Method of joining brace and. W. H. C. Harrison | 11276 | 29 Dec. |
| Bits, Combination brace and. W. H. C. Harrison | 11165 | 16 Nov. |
| Blackboard and stand. W. Fairhead | 11117 | 1 Nov. |
| Blackboard-stand. G. Howe and E. Larcomb | 10941 | 3 Sept. |
| Blasting operations, Combined knife, detonating-cap and fuse clinch, and cartridge-punch for use in. D. Whitburn | 10904 | 17 Aug. |
| Bleaching cotton, &c., Machine for. W. B. Brain | 10614 | 19 May. |
| Blight and mildew on trees, Mixture for destroying. B. Dawson | 10267 | 6 Jan. |
| Blind. J. F. Adams and C. R. Iorns | 10814 | 26 July. |
| Blind-balance, Window-sash- and. T. Andrew | 10950 | 8 Sept. |
| Blind, Bamboo sun-. J. J. Macky | 10315 | 20 Jan. |
| Blind, cornice, and curtain-pole, Venetian. R. Cosslett | 10723 | 22 June. |
| Block. (See Printing block.) | | |
| Board and dolly combined, Washing-. H. Cooper | 10890 | 19 Aug. |
| Board, Rusticated. G. G. Schwartz | 10531 | 26 April. |
| Board, Washing-. H. T. Hamilton | 10841 | 4 Aug. |
| Boat-propeller. A. L. J. Tait | 10663 | 1 June. |
| Boat-rudder, Method of shipping. F. Hull | 10696 | 13 June. |
| Boat-rudder, Method of shipping. F. Hull | 10846 | 2 Aug. |
| Bodice-patterns, Chart for setting out. W. Male | 10865 | 12 Aug. |
| Boiler and flue, High-pressure. J. Gell | 10780 | 18 July. |
| Boiler, Flange for copper washing-. J. Anderson | 10412 | 1 March. |
| Boiler for hot-water system. G. Croll | 10497 | 7 April. |
| Boiler, Hot-water or steam. T. Danks | 10742 | 30 June. |
| Boiler, Tubulous. G. Scott | 10823 | 28 July. |
| Boilers and steam-pipes, Compound for coating. D. R. S. Galbraith | 10276 | 7 Jan. |
| Boiling-down works, Extraction of marketable commodities from waste liquors of. G. S. Mackenzie | 10405 | 4 March. |
| Book for goods-sales, Check-. D. G. Brown | 10275 | 11 Jan. |
| Boot. W. H. Payne | 10603 | 19 May. |
| Boot-fastening. T. S. Lodge | 10362 | 14 Feb. |
| Boot fastening or clasp. V. Bergman and W. G. Boyle | 11042 | 10 Oct. |
| Boot-lace fastening. W. W. Cabena | 11080 | 20 Oct. |
| Boot or shoe, Cycling. H. Corrick | 10992 | 22 Sept. |
| Boot or shoe, Eyelet-fastener for. J. A. Beik | 10345 | 8 Feb. |
| Boot-polisher. J. Macgregor | 10628 | 21 May. |
| Boot-, shoe-, or slipper-upper. S. Hemus | 10381 | 17 Feb. |
| Boot-sole-pegging machine, Peg cut-off mechanism for. C. H. B. Corbett | 11114 | 31 Oct. |
| Boot-sole and its connection to upper. E. Sprey | 10363 | 12 Feb. |
| Boring machine, Earth-. F. H. Dannhardt and M. Mailer | 10707 | 21 June. |
| Bot-fly exterminator. A. C. Morton and A. J. Knocks | 11259 | 22 Dec. |
| Bottle, and seal therefor. J. H. Moore | 11054 | 11 Oct. |
| Bottle-labelling machine. S. Fyfe | 10444 | 18 March. |
| Bottle-labelling machine. S. Fyfe and W. C. Peacock | 10670 | 10 June. |
| Bottle, Non-refillable. J. H. Pomeroy | 10464 | 22 March. |
| Bottle, Non-refillable. H. R. Walker | 11027 | 28 Sept. |
| Bottle, Non-refillable. D. A. McIntyre and A. Y. Dickinson | 11275 | 29 Dec. |
| Bottles, jars, casks, &c., Stopper and fastening for. J. J. Shuttleworth | 11179 | 23 Nov. |
| Bottles liable to destruction after use, Means for rendering. J. H. Pomeroy | 10566 | 4 May. |
| Bottles, &c., Machines for labelling tins, jars. J. R. Bradley, H. Giles, and F. V. Sanderson | 10305 | 21 Jan. |
| Bottles, Tray attachment to. J. P. Robertson | 10656 | 7 June. |
| Bowl or drum for centrifugal separator. R. A. Lister and Co. (Limited) | 10671 | 10 June. |

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

| Invention and Name of Inventor. | No. | Date. |
|---|-------|-----------|
| Box, Apparatus for making sheet-metal. T. L. Carbone | 10587 | 12 May. |
| Boxes, Manufacture of folding. T. B. Walker | 10618 | 26 May. |
| Boxes, &c. Method of fastening and locking travelling-trunks. J. Roland | 11035 | 5 Oct. |
| Box for holding billiard-pool marbles. W. Miller | 11023 | 24 Sept. |
| Box or can, with means for opening same. A. Cameron, jun. | 10524 | 19 April. |
| Box or case, Cover and cutter for hermetically sealed. G. H. Williamson | 10292 | 17 Jan. |
| Box. (See also Case; Coal, peat, or wood fire-box; Collapsible cardboard box, Lottery-box, Match-box, Produce-box, Trunk.) | | |
| Brace and bit, Method of joining. W. H. C. Harrison | 11276 | 29 Dec. |
| Brace and bits, Combination. W. H. C. Harrison | 11165 | 16 Nov. |
| Braces. A. H. Cotton | 10629 | 21 May. |
| Bracket for spouting. Clip-. T. Ballinger and W. Milligan | 10956 | 9 Sept. |
| Brake for mining-cage, &c. H. Rabe | 10807 | 18 July. |
| Brake for training horses to harness. A. le Fleming | 11085 | 17 Oct. |
| Brake-gear of railway rolling-stock, Slack-adjuster for. F. W. Selley and W. H. Nisbet | 11112 | 31 Oct. |
| Brake. (See also Bicycle-brake, Chain-gear brake, Cycle-brake, Door-brake, Vehicle-brake, Veicicpede-brake.) | | |
| Brand, Cattle-, sheep-, and horse-. M. Davies | 11102 | 27 Oct. |
| Brand for branding sheep, bales, &c. G. Lambert | 10565 | 6 May. |
| Brand for soaps, confectionery, &c. J. H. Dalton | 11077 | 11 Oct. |
| Brand, Liquid cattle-. H. W. Scott | 10857 | 9 Aug. |
| Brand, Liquid sheep-, cattle-, or horse-. C. E. Young, W. C. Greig, and J. F. Day | 10838 | 15 Sept. |
| Brand, Sheep-. G. Renner and W. H. Boyens | 10328 | 28 Jan. |
| Brand, Sheep-. G. Renner and W. H. Boyens | 11228 | 12 Dec. |
| Branding apparatus. A. J. Cuming | 10885 | 16 Aug. |
| Branding apparatus. A. J. Cuming | 11025 | 26 Sept. |
| Branding composition. G. H. Kemp | 10387 | 26 Feb. |
| Branding composition. H. Gibson | 10523 | 18 April. |
| Branding composition. G. H. Fry and G. J. Cullen | 10853 | 8 Aug. |
| Branding instrument. J. B. Beale | 10844 | 22 Nov. |
| Branding meat, Device for marking or. M. and J. A. Belk | 10333 | 1 Feb. |
| Brazing, &c., Composition of carbons for electric welding. G. W. de Tunzelmann | 11195 | 26 Nov. |
| Breaking rock, Method of and apparatus for. T. A. Edison | 11069 | 17 Oct. |
| Breaking up or cutting rocks, &c., Apparatus for. F. Lobnitz | 10977 | 15 Sept. |
| Bricking ores, Process of and apparatus for concentrating and. T. A. Edison | 11068 | 17 Oct. |
| Brickmaking, Wire-cutting side-delivery table for. J. S. Laurie and E. L. Clark | 10610 | 16 May. |
| Bridle and bit for horses. S. van Buskirk | 10420 | 10 March. |
| Briquettes, Machine for forming pulverised iron-ores, coal, &c., into. T. A. Edison | 11072 | 17 Oct. |
| Broom or brush. J. Matherson | 10711 | 16 June. |
| Brush or broom. J. Matherson | 10711 | 16 June. |
| Brush, Protective device for. S. G. Roseman | 11097 | 25 Oct. |
| Brush, Reversible. S. G. Roseman | 11098 | 25 Oct. |
| Brush, Scrub-. S. G. Roseman | 10418 | 9 March. |
| Brush, Scrubbing-, shoe-, or stove-. H. G. Williams, A. Broad, and C. G. Crolly | 10526 | 21 April. |
| Bucket, Gold crevice dredge-. E. Hayes | 11212 | 1 Dec. |
| Bucket, Handle to enable kerosene-tin to be used as. V. S. Aston | 10463 | 21 March. |
| Bucket link, Dredge-. W. J. Le Cren and J. Tyson | 11078 | 19 Oct. |
| Buckle-fastener. A. A. and T. S. Grace | 10316 | 25 Jan. |
| Buggy-spring, Trap-and. J. Robin | 11169 | 19 Nov. |
| Building, Carbo-celluloid. A. W. Bickerton | 10695 | 16 June. |
| Building, Ventilating ridging for. J. H. Blackwood | 11024 | 26 Sept. |
| Bung-hole bushing, Barrel-stave protector and. A. Terry, jun. | 10820 | 28 July. |
| Burner. H. McM. Hamrick and W. S. Miller | 11189 | 25 Nov. |
| Burner. H. McM. Hamrick | 11190 | 25 Nov. |
| Burner. H. McM. Hamrick | 11191 | 25 Nov. |
| Burner for incandescence oil-lamp. The "Era" Incandescent Oil Lamp Company (Limited) | 11274 | 29 Dec. |
| Burner for petroleum-lamp. G. Kron | 10440 | 18 March. |
| Burner, Illuminating appliance to be used in connection with Bunsen or other. F. Isitt | 10597 | 17 May. |
| Burner, Incandescence gas-. O. Kern | 10538 | 27 April. |
| Burner, Incandescent gas-. J. B. de Lery | 11157 | 14 Nov. |
| Burner, Incandescent oil-lamp. J. W. Butcher and J. A. Pietzcker | 10529 | 25 April. |
| Burner. (See also Oil-burner.) | | |
| Bus or car name-indicator lamp. A. C. Atkin | 10812 | 21 July. |
| Bushing, Barrel-stave protector and bung-hole. A. Terry, jun. | 10820 | 28 July. |
| Butter-making. D. R. S. Galbraith | 10649 | 4 June. |
| Butter-making. D. R. S. Galbraith | 10983 | 17 Sept. |
| Butter-making. D. R. S. Galbraith | 11267 | 28 Dec. |
| Butter-preserving composition. M. J. Hodgson | 10396 | 2 March. |
| Butter-printing and weighing machine. A. Christie | 10746 | 5 July. |
| Cabinet stool, Music-. W. Angell | 11084 | 17 Oct. |
| Cage extension-frame for shaft-sinking, Mining-. J. E. Wearne | 10654 | 6 June. |
| Cage, Grip-brake for mining-. H. Rabe | 10807 | 18 July. |
| Cages, &c., Safety-brake for lifts, elevator-cars. T. B. Jacobsen | 10796 | 20 July. |
| Cages, lifts, &c., Wedge-grip for shaft of. P. G. Kelly | 10868 | 2 Aug. |
| Calcium-carbide for generating acetylene gas, Means for using. G. Dillberg | 10749 | 5 July. |
| Calcium-carbide, Manufacture of. Etothene Gas Company (Limited) | 10422 | 10 March. |
| Calcium-carbide, Protective coverings for compressed cakes composed of granulated. G. Dillberg | 10748 | 5 July. |
| Calcium-carbide, Treatment of, whereby conversion of same into acetylene gas may be retarded without the aid of mechanical devices. G. Dillberg | 10747 | 5 July. |
| Calculating slide-valves, Apparatus for. P. Ellis and A. A. Whitelaw | 11211 | 5 Dec. |
| Cambridge roller. T. E. Kilworth | 10484 | 5 April. |
| Can. A. J. Park | 11235 | 14 Dec. |
| Can, Combination hoop and handle for milk-. A. Harvey | 10997 | 20 Sept. |
| Can, Force ejector for oil-. G. Claydon | 10430 | 12 March. |
| Can-handle. W. A. McKay | 10836 | 2 Aug. |

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

| Invention and Name of Inventor. | No. | Date |
|--|-------|-----------|
| Can, Kerosene-. G. Lambert and J. Stewart | 10487 | 7 April. |
| Can with force ejecting-pump, Oil-. G. Claydon | 10759 | 6 July. |
| Can, with means for opening same, Box or. A. Cameron, jun. | 10524 | 19 April. |
| Cans, &c., Band or hoop for milk-. R. Worland | 10645 | 2 June. |
| Cans. (See also Tins.) | | |
| Candle composition. D. R. S. Galbraith | 11268 | 23 Dec. |
| Candle, Device for preventing guttering of. W. C. Greig | 10962 | 10 Sept. |
| Candle-holder. W. Meikle and J. Chambers | 10359 | 9 Feb. |
| Candies, Manufacturing. W. C. Greig and J. H. Gardner | 11040 | 7 Oct. |
| Candlestick mechanism. P. E. Richardson and J. S. Allan | 10955 | 5 Sept. |
| Canning food, Process of. E. Norton | 10503 | 14 April. |
| Cap for chimney, Rocking-. B. Roberts and T. Rose | 10582 | 10 Aug. |
| Carbide of calcium, Manufacture of. Etotheno Gas Company (Limited) | 10422 | 10 March. |
| Carbo-celluloid building. A. W. Bickerton | 10695 | 16 June. |
| Carbonic-acid gas, Gas plant and system for producing acetylene and. R. Goodwin | 10974 | 15 Sept. |
| Carbonic acid, Process for manufacturing. H. S. Elworthy | 10901 | 23 Aug. |
| Carbons for electric welding, brazing, &c., Composition of. G. W. de Tunzelmann | 11195 | 26 Nov. |
| Carbonyl, Process and apparatus for obtaining metallic nickel from nickel-. L. Moud | 10403 | 4 March. |
| Cardboard box, Collapsible. T. B. Walker | 10968 | 14 Sept. |
| Carriage-lamp, Acetylene. W. Tyree | 10417 | 7 March. |
| Carriage-lamp, Acetylene. T. Holliday | 10425 | 10 March. |
| Carriage or vehicle, Auto-motor. W. J. Brewer and J. E. Cooper | 11229 | 12 Dec. |
| Carriage, Station-indicator for railway-. W. C. and H. M. Dennes | 11037 | 7 Oct. |
| Carrier for loom, Thread-. D. M. Seaton | 10502 | 14 April. |
| Car name-indicator lamp, Bus or. A. C. Atkin | 10812 | 21 July. |
| Cars, cages, &c., Safety-grip for lifts, elevator-. T. B. Jacobsen | 10796 | 20 July. |
| Cart-saddle. H. Hitchcock | 10342 | 4 Feb. |
| Cartridge, Granulated gas-check for. A. C. Whitney | 10556 | 29 April. |
| Cartridge-punch for use in blasting operations, Combined knife, detonating-cap and fuse clinch, and. D. Whitburn | 10904 | 17 Aug. |
| Cartridge-wad, and process of manufacturing same. W. Jones | 11043 | 10 Oct. |
| Case, Cover and cutter for hermetically sealed box or. G. H. Williamson | 10292 | 17 Jan. |
| Case, Fruit-. A. M. Newman | 10795 | 20 July. |
| Case or box for fruit, &c., Packing. A. M. Newman | 10578 | 7 May. |
| Cash-payments, Machine for checking. M. J. Allan | 10979 | 12 Sept. |
| Cash-register. The Empire Cash Register (Limited) | 11270 | 8 Dec. |
| Cask-racking apparatus, Barrel- or. J. J. Marshall | 10987 | 19 Sept. |
| Cask-tilt. W. N. E. Mason | 11246 | 19 Dec. |
| Casks, &c., Stopper and fastening for bottles, jars. J. J. Shuttleworth | 11179 | 23 Nov. |
| Castor, Furniture-. T. Byers | 11261 | 22 Dec. |
| Castrating and tailing instrument. H. W. Acton-Adams | 10407 | 3 March. |
| Castrating and tailing instrument. W. G. Searle | 10451 | 19 March. |
| Castrating, tailing, and ear-marking instrument combined. F. A. Macdonald | 11026 | 27 Sept. |
| Cathodes, Electro-deposition of copper on rotary. M. Perreur-Lloyd | 10331 | 31 Jan. |
| Cattle-brand, Liquid. H. W. Scott | 10857 | 9 Aug. |
| Cattle-, or horse-brand, Liquid sheep-. C. E. Young, W. C. Greig, and J. F. Day | 10838 | 15 Sept. |
| Cattle-stop for railways. F. O. Skelton | 10928 | 31 Aug. |
| Caustic potash and potash, Making. H. M. Levinge | 10926 | 27 Aug. |
| Celluloid building, Carbo-. A. W. Bickerton | 10695 | 16 June. |
| Cement, artificial stone, and suchlike, Compound for manufacture of. S. G. Kilminster | 10472 | 1 April. |
| Centrifugal separator, Bowl or drum for. R. A. Lister and Co. (Limited) | 10671 | 10 June. |
| Cess-pan, Airtight. L. L. McDermott | 10978 | 6 Sept. |
| Chaff-cutter, Cutting-knife or blade for. J. Cook, jun. | 11108 | 25 Oct. |
| Chaff, Method of and apparatus for cutting. W. G. Breese | 10625 | 23 May. |
| Chain for cycles, Chain-wheel and. W. D. Verschoyle | 10936 | 31 Aug. |
| Chain-gear brake. W. A. Scott | 10567 | 2 May. |
| Chain-wheel and chain for cycles. W. D. Verschoyle | 10936 | 31 Aug. |
| Chair, Reclining-. P. Bock | 11005 | 28 Sept. |
| Chalking billiard-cues, Apparatus for. J. S. Roberts | 10410 | 5 March. |
| Chart for setting out bodice-patterns. W. Male | 10865 | 12 Aug. |
| Chart, Vamping-. T. E. Carter | 10290 | 15 Jan. |
| Check for cartridge, Granulated gas-. A. C. Whitney | 10556 | 29 April. |
| Check-valve for pump. D. C. Streeter | 10961 | 5 Sept. |
| Checking and stopping machinery, Device for. W. H. Grey and H. W. Parsons | 10685 | 13 June. |
| Checking cash-payments. Machine for. M. J. Allan | 10979 | 12 Sept. |
| Checking sales of goods, Method of and book for. D. G. Brown | 10275 | 11 Jan. |
| Chimney, Rocking-cap for. B. Roberts and T. Rose | 10582 | 10 Aug. |
| Chimney-top. B. Roberts and T. Rose | 10581 | 10 Aug. |
| Chimney-top. B. Roberts and T. Rose | 10876 | 10 Aug. |
| China, porcelain, &c., Process for photographing on. H. W. Drew and F. N. Jonas | 10879 | 17 Aug. |
| Cigar or cigarette. P. Traseder and J. A. Jackson | 11109 | 27 Oct. |
| Cigarette, Cigar or. P. Traseder and J. A. Jackson | 11109 | 27 Oct. |
| Cigarette-machine. E. T. Gilliland | 10560 | 5 May. |
| Cigarette, Machinery for finishing end of. J. S. Beeman | 10728 | 27 June. |
| Cigarette, Machinery for providing, with reinforcement or mouth-end. J. S. Beeman | 10727 | 27 June. |
| Cigarette, Mouth-piece. E. T. Gilliland | 10508 | 14 April. |
| Cigarettes, Tipping. J. S. Beeman | 10447 | 19 March. |
| Cinematograph, Toy. P. Ellis and A. A. Whitelaw | 10627 | 27 May. |
| Cistern, Ball-cock for water-. H. G. Bedell and J. Welsby | 11096 | 25 Oct. |
| Cistern, Self-acting supply and ejector. H. A. Ross | 11253 | 19 Dec. |
| Cistern, Silt-ejector for tank or. S. Oxenham | 10816 | 22 July. |
| Cistern, Siphon for water-closet. W. Barlass | 10371 | 19 Feb. |
| Clarinet, G-sharp mechanism for. S. Kettridge | 10624 | 26 May. |
| Clasp, Boot fastening or. V. Bergman and W. G. Boyle | 11042 | 10 Oct. |

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

| Invention and Name of Inventor. | No. | Date. |
|---|-------|-----------|
| Classifying apparatus for quartz and other ores, Crushing and. J. Colquhoun-Thomson .. | 10659 | 7 June. |
| Cleaner and peeler, Potato. F. W. Naumann and M. Corrigan .. | 10714 | 23 June. |
| Cleaning and polishing floor-cloths, &c., Preparation for. F. B. Ovenden .. | 10432 | 15 March. |
| Cleaning machine, Knife-. W. Dalley .. | 10335 | 31 Jan. |
| Cleaning out accumulations formed in metal pipes, Pipe-scraper for. S. Crawshaw .. | 10476 | 2 April. |
| Cleaning. (See also Seed-cleaning, Seed-dressing.) | | |
| Cleansing and bleaching materials and extracting oleine from milk, Machine for. W. B. Brain .. | 10614 | 19 May. |
| Cleansing polish. H. W. Williams .. | 10713 | 22 June. |
| Clip-bracket for spouting. T. Ballinger and W. Milligan .. | 10956 | 9 Sept. |
| Clip, Cycle-pedal and toe-. H. G. Bedell .. | 10361 | 16 Feb. |
| Clip for securing pump to velocipede. The Dunlop Pneumatic Tire Company (Limited) .. | 10386 | 26 Feb. |
| Clip or binder. U. Dudley .. | 11217 | 8 Dec. |
| Clipping machine, Sheep-shearing or. J. Alders .. | 10511 | 14 April. |
| Clock attachment, Tall-tale. O. Draeger and S. J. Villiers .. | 10802 | 22 July. |
| Clock-face indicator, Office-return. G. H. Lester .. | 10712 | 16 June. |
| Clock for use in starting races. H. Reynolds .. | 10884 | 29 Aug. |
| Closet cistern, Siphon for water-. W. Barlass .. | 10371 | 19 Feb. |
| Closet, Dry-earth. T. Morrison and W. J. T. Ranger .. | 10675 | 7 June. |
| Closet-pan, Airtight. J. Whitefield and F. S. Parker .. | 10688 | 8 June. |
| Closets, Apparatus for cutting paper for water-. F. J. Leonard .. | 10698 | 14 June. |
| Closet seat, Water-. A. S. and W. H. Ballinger .. | 10840 | 4 Aug. |
| Closet siphon, Water-. H. G. Bedell and J. Welsby .. | 11095 | 25 Oct. |
| Closets, Valve for flushing water-. H. G. Bedell and J. Welsby .. | 11231 | 13 Dec. |
| Clothes, Appliance for shifting and draining, in the process of washing. A. Batten .. | 10477 | 4 April. |
| Clothes- or fibre-washing machine. A. L. J. Tait .. | 11146 | 10 Nov. |
| Clothes-peg. F. J. Leonard and G. B. Hutton .. | 10313 | 17 Jan. |
| Clothes-peg. W. C. Greig .. | 10411 | 5 March. |
| Clothes-peg. J. Robinson .. | 11082 | 20 Oct. |
| Clothes-trunk. W. Parker .. | 10392 | 25 Feb. |
| Clothes-washing machine. E. Corrick .. | 11119 | 2 Nov. |
| Clothes-washing machine. A. L. J. Tait .. | 11146 | 10 Nov. |
| Clutch-gear, Speed-governor and. T. G. Howden .. | 10533 | 27 April. |
| Clutches for dredge-winch. L. Reynolds .. | 10515 | 13 April. |
| Coal, &c., Machine for forming pulverised iron-ore, into briquettes. T. A. Edison .. | 11072 | 17 Oct. |
| Coal, peat, or wood fire-box. R. Brinsley and P. S. B. Bett .. | 10819 | 23 July. |
| Coat-adjustment. D. Nable .. | 10947 | 5 Sept. |
| Coating and applying machine. J. S. Beeman .. | 10755 | 7 July. |
| Cock for water-cistern, Ball-. H. G. Bedell and J. Welsby .. | 11096 | 25 Oct. |
| Coffin. J. J. Daily .. | 10439 | 18 March. |
| Coin-freed actuating mechanism. R. L. H. Murray .. | 10445 | 18 March. |
| Coin-freed mechanism, Cycle-pump operatable by. G. B. Gallup .. | 10852 | 8 Aug. |
| Collapsible cardboard box. T. B. Walker .. | 10968 | 14 Sept. |
| Collapsible receptacle made from paper. E. T. Taylor .. | 10325 | 27 Jan. |
| Collars and saddles, Improvements in horse-. H. Hitchcock .. | 10342 | 4 Feb. |
| Collar. (See Horse-collar.) | | |
| Collision-mat and repairing-gear for preventing vessels from foundering. J. Donald .. | 11151 | 8 Nov. |
| Coloured yarns, Production of. R. Donisthorpe and G. White .. | 10897 | 22 Aug. |
| Comb and cleaner attachment, Hair-. A. H. Cotton .. | 11129 | 1 Nov. |
| Compasses, Scale attachment to, for defining distances between points of. D. Whitburn .. | 11145 | 7 Nov. |
| Compressing air for motive purposes, Method of. E. Bond and W. H. Burton .. | 10995 | 20 Sept. |
| Compressor, Hydraulic air-. C. H. Taylor .. | 10283 | 13 Jan. |
| Concave bars. J. P. Neilson .. | 10344 | 4 Feb. |
| Concentrating iron-ores and bricking same, Process of and apparatus for. T. A. Edison .. | 11068 | 17 Oct. |
| Concentrating milk, Apparatus for. W. B. Walters .. | 11196 | 26 Nov. |
| Concentrator and separator, Dry-ore. R. E. and E. Waugh .. | 10559 | 5 May. |
| Concentrator and smoke-preventer for register grates, Draught-. E. Shadgett .. | 10815 | 26 July. |
| Concrete pipes, &c., Method of and machine for manufacturing. W. E. Hughes .. | 11163 | 15 Nov. |
| Conduit for fermented or corrosive liquids, Pipe or. E. Roberts and H. R. Dixon .. | 10304 | 21 Jan. |
| Confectionery, &c., Brand for soaps. J. H. Dalton .. | 11077 | 11 Oct. |
| Constipation, &c., Remedy for indigestion. H. J. Beeche .. | 11004 | 28 Sept. |
| Consumer and fuel-economizer, Smoke-. G. H. Hope .. | 10895 | 20 Aug. |
| Consumer, Spark-extinguisher and smoke-. J. Shepherd .. | 10872 | 15 Aug. |
| Conveying attachment for reaper-and-binder. J. A. Berg and J. Matheson .. | 10864 | 23 Feb. |
| Conveying loads, Apparatus for. J. and J. R. Temperley .. | 10808 | 25 July. |
| Conveyor, Elevator and. T. A. Edison .. | 11071 | 17 Oct. |
| Cooker, Steam. G. A. Amos .. | 10490 | 7 April. |
| Cooker, Steam. J. T. Love .. | 10637 | 31 May. |
| Cooking-range. S. Barningham, E. T. O'Connell, and T. McCormack .. | 10462 | 21 March. |
| Cooking-range. B. S. and J. H. Nicholls .. | 10729 | 27 June. |
| Cooking-stove. W. Congreve .. | 10289 | 13 Jan. |
| Cooking-stove, Gas. T. C. Wilson .. | 10274 | 7 Jan. |
| Cooler and aerator, Milk. W. R. Gutteridge and A. Jack .. | 11173 | 22 Nov. |
| Cooler and preserver for dairy and other produce. J. S. Allan .. | 10433 | 15 March. |
| Cooling heated fats and oils with air, Apparatus for treating and. C. G. Hepburn .. | 10854 | 8 Aug. |
| Cooling. (See also Freezing, Refrigerating, Ventilating.) | | |
| Copper on rotary cathodes, Electro-deposition of. M. Perreux-Lloyd .. | 10331 | 31 Jan. |
| Copper-stick, Washing. J. H. Price .. | 11061 | 13 Oct. |
| Copper washing-boiler, Flange for. J. Anderson .. | 10412 | 1 March. |
| Copper, zinc, and lead, Treating complex ore for recovery of. G. de Bechi .. | 11226 | 10 Dec. |
| Corkscrew. T. H. Driver .. | 10437 | 18 March. |
| Cornice and curtain-pole, Venetian blind. R. Cosslett .. | 10723 | 22 June. |
| Corrosive liquids, Pipe or conduit for fermented or. E. Roberts and H. R. Dixon .. | 10304 | 21 Jan. |
| Corrugated iron, Nail for securing. J. Greenhill .. | 11044 | 10 Oct. |
| Corset attachment for supporting skirts. G. H. Cairn .. | 11205 | 1 Dec. |
| Cost-indicating, registering, and weight-totalling apparatus for weighing-machine. W. H. and W. L. D. Gundry .. | 11144 | 10 Nov. |

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

| Invention and Name of Inventor. | No. | Date. |
|--|-------|--------------|
| Cotton-cutter and reel-holder. D. W. McLean | 11000 | 25 Oct. |
| Cotton-reel holder. W. C. Greig | 10653 | 2 June. |
| Cotton-seed, Treatment of. J. C. W. Stanley | 10562 | 5 May. |
| Cotton, wool, or hair, Press for. G. A. Lowry | 10786 | 19 July. |
| Couchy land, Method of and apparatus for ploughing. Q. Muir | 10662 | 8 June. |
| Coulter for plough. A. W. Legg | 10357 | 14 Feb. |
| Coupling or joint, Rail. G. Gettings, C. Grosvenor, and W. S. Greenville | 10343 | 1 Feb. |
| Coupling or union, Hose. J. Durward and K. Rowe | 11032 | 3 Oct. |
| Coupling railway metal. F. Ottaway | 10319 | 27 Jan. |
| Couplings, Spanner for hose. W. Juriss | 10358 | 12 Feb. |
| Cover and cutter for hermetically sealed metallic box or case. G. H. Williamson | 10292 | 17 Jan. |
| Cover of pneumatic tire, Tool for removing and replacing. T. and H. Bennett | 11192 | 25 Nov. |
| Cover of pneumatic tube to rim, Holding. J. Cottrell | 10284 | 13 Jan. |
| Cover, Tire and Tire. J. M. MacLulich | 10810 | 27 Nov.'97* |
| Cover. (See also Bale-cover, Dish-cover, Horse-cover, Jug-cover.) | | |
| Covering for growing plant, Protective. R. Goulding | 10797 | 21 July. |
| Cows, Holder for legs of. E. P. Shanasy | 10609 | 20 May. |
| Cramp, Lining. A. J. Davey | 10466 | 24 March. |
| Cramp or work-holder, Bench. R. C. Humphreys | 11166 | 17 Nov. |
| Crane. D. Roche | 11083 | 21 Oct. |
| Crank, Bicycle. J. Speight | 10265 | 6 Jan. |
| Crank, Bicycle- or tricycle. A. Mackay, J. Drummond, and M. and J. Christophersen | 10291 | 18 Jan. |
| Crank, Velocipede. Ah Pat | 10709 | 21 June. |
| Crate. (See Rabbit-crate.) | | |
| Cream-vessel, Fastening for. R. Worland | 10645 | 2 June. |
| Cricknet-match, Recording score in. J. W. Bindon | 11055 | 13 Oct. |
| Cricknet-pads. J. Pomeroy and W. F. Williams | 10385 | 23 Feb. |
| Cricknet-stumps. A. T. Robertson | 10849 | 8 Aug. |
| Cricknet umpire's register and indicator. J. B. Allen | 11245 | 16 Dec. |
| Crusher, Rock. B. R. Seabrook and J. R. Brown | 10264 | 6 Jan. |
| Crushing and classifying apparatus for quartz and other ores. J. Colquhoun-Thomson | 10659 | 7 June. |
| Crushing quartz, Roller-mill for. W. P. Wynne | 10944 | 5 Sept. |
| Cues, Apparatus for chalking. J. S. Roberts | 10410 | 5 March. |
| Cultivator. W. R. Wilson | 10336 | 3 Feb. |
| Cultivator. E. H. Nicholson and W. Mather | 11172 | 21 Nov. |
| Cultivator, and furrower, Hoeing and combination seed- and manure-drill. C. Clarke | 10270 | 29 Dec., '97 |
| Cultivator, Potato moulder and. T. Clements | 11203 | 1 Dec. |
| Cup for milking-machine, Pulsating. The Pulsator Milking-machine Company (Limited) | 10543 | 26 April. |
| Cup for milking-machine, Pulsator teat. The Pulsator Milking-machine Company (Limited) | 10666 | 6 June. |
| Curative or surgical purposes, Powder-introducing appliance for. Silenette Proprietary (Limited) | 10952 | 8 Sept. |
| Curd-cutter. J. Anderson | 11033 | 1 Oct. |
| Curd-cutter attachment to curd-mills. H. Campbell | 10455 | 23 March. |
| Cure for asthma. D. C. Simson | 10259 | 5 Jan. |
| Cure for rheumatic affections. M. F. Donaldson | 10824 | 26 July. |
| Cure for toothache or neuralgia. M. L. Squire | 11059 | 13 Oct. |
| Cure. (See also Medicine, Remedy.) | | |
| Curtain-pole, Venetian blind, cornice, and. R. Cosslett | 10723 | 23 June. |
| Cutter and cover for hermetically sealed metallic box or case. G. H. Williamson | 10292 | 17 Jan. |
| Cutter, Curd. J. Anderson | 11033 | 1 Oct. |
| Cutter for cotton, &c., reels, Combined holder and. D. W. McLean | 11100 | 25 Oct. |
| Cutter, Knife or blade for chaff. J. Cook, jun. | 11108 | 25 Oct. |
| Cutters of sheep-shearing machine, Method of sharpening or setting. A. Melchior | 11207 | 1 Dec. |
| Cutting-bar for use in hard ground in fencing. W. Cooper | 10498 | 7 April. |
| Cutting chaff, Method of and apparatus for. W. G. Breese | 10625 | 23 May. |
| Cutting fruit-trees, Appliance for pruning or. W. Pickup | 10298 | 19 Jan. |
| Cutting hair or wool, Machine for. J. W. Newall | 10599 | 17 May. |
| Cutting-machine for sheep-shearing purposes, Rotary. O. J. Meacock and H. Penn | 10606 | 19 May. |
| Cutting-machine for wool-cutting and other purposes, Rotary. J. H. Silley and W. Bacon | 10699 | 18 June. |
| Cutting machine, Tobacco. A. H. Nathan | 10657 | 7 June. |
| Cutting machine, Tobacco. F. L. Lorden and H. C. Trollope | 10737 | 1 July. |
| Cutting paper for water-closet purposes. Apparatus for. F. J. Leonard | 10698 | 14 June. |
| Cutting paper into strips or shavings. R. J. Rousay and W. G. Sinclair | 10471 | 31 March. |
| Cyanide process, Gold-extraction by. J. L. Hawliczek and H. L. Snape | 11264 | 23 Dec. |
| Cyanide solution, Precipitating precious metals from. The Gold-extraction Syndicate (Limited) | 10563 | 5 May. |
| Cyanide solution, Treatment of ore with. H. H. Adams | 10474 | 29 March. |
| Cyanides and cyanated products, Process of manufacturing. H. R. Vidal | 10798 | 21 July. |
| Cycle, Advertising. F. C. Powell | 10282 | 13 Jan. |
| Cycle attachment for carrying a child or parcel. M. J. Kennedy | 11148 | 8 Nov. |
| Cycle-bell. C. L. Dearsley and A. W. Lane | 11224 | 8 Dec. |
| Cycle-brake. S. Priest and S. Priest, jun. | 10875 | 16 Aug. |
| Cycle-brake. A. J. C. Woodford | 11121 | 31 Oct. |
| Cycle-brake. J. F. Stewart | 11130 | 5 Nov. |
| Cycle driving-gear. J. Baker | 10825 | 26 July. |
| Cycle driving-gear. J. Baker | 11147 | 11 Nov. |
| Cycle driving-gear. J. W. Balfour | 10458 | 23 March. |
| Cycle driving-gear. J. Brown | 10681 | 13 June. |
| Cycle driving-gear. F. R. Dennison | 10602 | 17 May. |
| Cycle-driving mechanism. L. and E. Schmoll | 11089 | 20 Oct. |
| Cycle-handle. J. A. Smith | 10488 | 7 April. |
| Cycle handle-bar. G. S. Robertson | 10372 | 19 Feb. |
| Cycle-lamp, Acetylene. T. Holliday | 10425 | 10 March. |
| Cycle-pedal and toe-clip. H. G. Bedell | 10361 | 16 Feb. |
| Cycle-propelling mechanism. G. B. H. Austin | 10619 | 26 May. |
| Cycle-pump operatable by coin-freed mechanism. G. B. Gallup | 10852 | 8 Aug. |
| Cycle speed-gear. D. A. Stewart and J. H. Mills | 10514 | 13 April. |

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

| Invention and Name of Inventor. | No. | Date. |
|---|-------|--------------|
| Cycle-tire. A. Golding | 10801 | 22 July. |
| Cycle. (See also Bicycle, Encycle, Monocycle, Tire, Tricycle, Velocipede, Wheel.) | | |
| Cycles, Chain-wheel and chain for. W. D. Verschovle | 10936 | 31 Aug. |
| Cycles, Mechanism for assisting in the propulsion of. G. B. H. Austin | 10619 | 26 May. |
| Cycling boot or shoe. H. Corrick | 10992 | 22 Sept. |
| Cycling- or walking-shoe. H. Corrick | 11136 | 10 Nov. |
| Cycling-skirt. C. Gibbs | 10570 | 6 May. |
| Cycling, swimming, and skating, Appliance for use in teaching. A. L. J. Tait | 10783 | 15 July. |
| Cyclist, Trouser-protector for. A. M. Wix | 10354 | 12 Feb. |
| Cyclist, Trouser-protector for. H. M. and J. Levinge | 10395 | 1 March. |
| Dairy and other produce, Cooler and preserver for. J. S. Allan | 10433 | 15 March. |
| Damming back water from alluvial ground to facilitate hydraulic elevating and sluicing. A. Smith | 10870 | 15 Aug. |
| Damper for envelopes, &c. D. Murphy and W. Millington | 10831 | 30 July. |
| Damper for moistening adhesive surfaces. R. M. Hathaway and J. Robertson | 10601 | 18 May. |
| Dating apparatus, Registering, numbering, and. G. S. Hickman | 10948 | 6 Sept. |
| Decanting solutions from auriferous ores, Mode of and apparatus for. J. J. Deeble | 10687 | 13 June. |
| Defect-indicator, Railway-line. A. E. Bagnall | 10674 | 7 June. |
| Delivering measured quantities of milk, Apparatus for. R. W. Wyett | 11123 | 3 Nov. |
| Depilating hides and skins, Process of and apparatus for. J. C. E. Roberts and J. Bailey | 10307 | 21 Jan. |
| Detonating-cap and fuse clinch, and cartridge-punch for use in blasting operations, Combined knife. D. Whitburn | 10904 | 17 Aug. |
| Diamonds, Method and apparatus for separating, from earthy matters. G. Labram | 10510 | 14 April. |
| Dies, Beading-spouting. H. G. Bedell | 10615 | 29 Aug. |
| Digesters, &c., Tip-tank and truck for use with. J. Macalister | 10866 | 10 Aug. |
| Digger, bagger, and separator, Potato. A. M. Waters | 11154 | 14 Nov. |
| Dining-table, Combined billiard- and. D. McKenzie | 10994 | 19 Sept. |
| Disc for rotary disc-ploughs. W. C. Peacock | 11012 | 28 Sept. |
| Disc-ploughs, Lifting and adjusting discs of rotary. W. C. Peacock | 10942 | 5 Sept. |
| Dish-cover. E. R. Standfield | 10943 | 5 Sept. |
| Distributor for seed-drill, Fertiliser-. W. E. Hughes | 10921 | 29 Aug. |
| Distributor, Force-feed for manure-. H. Quertier | 11029 | 29 Sept. |
| Distributor, Manure-. A. Storie | 10600 | 18 May. |
| Dock, Apparatus for raising sunken vessels and for use as a floating-. M. M. J. O. O'Connor | 11125 | 11 Dec.'97* |
| Dolly and washing-board combined. H. Cooper | 10890 | 19 Aug. |
| Door-brake. J. D. Postle | 10658 | 7 June. |
| Door-fastener. J. G. Morris, jun. | 11139 | 10 Nov. |
| Doormat-fastener. A. J. Whittaker | 10642 | 2 June. |
| Door of truck, Hinge for. C. E. Dean | 10408 | 5 March. |
| Door-sill. W. Madder | 10285 | 15 Jan. |
| Door-stop. H. Fullwood | 10920 | 29 Aug. |
| Doors, Appliance for preventing rain driving under. W. H. Taylor | 10767 | 12 July. |
| Doors, Appliance for preventing wind and rain entering beneath. E. A. Powell | 10882 | 17 Aug. |
| Doors, Sunshade for windows and. A. G. Ross | 11120 | 29 Oct. |
| Dough, Compound for use in making yeast or baker's. J. T. Norton | 10970 | 13 Sept. |
| Drain-plough. W. K. Hazlett | 10626 | 25 May. |
| Drapery goods, Apparatus for suspending. I. Harrison | 10281 | 13 Jan. |
| Draught-concentrator and smoke-preventer for register grates. E. Shadgett | 10815 | 26 July. |
| Draught-increaser for fire-grate, Screen and. W. H. Birch | 10505 | 14 April. |
| Draught-increasing device for fireplace. W. Brown | 11247 | 19 Dec. |
| Draught in open fireplace, Regulation of. C. Clayton | 10867 | 12 Aug. |
| Draught to furnaces, Apparatus for applying forced. G. Claydon and T. A. Black | 11252 | 19 Dec. |
| Draw-off tap for kerosene-tins. D. C. Jenkins | 11081 | 5 Oct. |
| Drawing off fixed quantities of liquids, Apparatus for. W. Turnbull | 10558 | 5 May. |
| Drawing off liquids, Appliance for. W. R. Gutteridge and A. Jack | 10959 | 9 Sept. |
| Drawing off liquids, Valve for flushing water-closets and for. H. G. Bedell and J. Welsby | 11174 | 22 Nov. |
| Dredge. W. H. Grey and H. W. Parsons | 11231 | 13 Dec. |
| Dredge-bucket, Gold crevice. E. Hayes | 10686 | 13 June. |
| Dredge-bucket link. W. J. Le Cren and J. Tyson | 11212 | 1 Dec. |
| Dredge by water-pressure, Working gold-. W. O'Brien, jun. | 11078 | 19 Oct. |
| Dredge, Pontoon construction for gold-. L. H. Reynolds | 10320 | 27 Jan. |
| Dredge, Prospecting-. A. Sangster | 10569 | 5 May. |
| Dredge-tumbler. W. Adams | 10384 | 17 Feb. |
| Dredge tumbler and fine combined. H. Quertier | 10954 | 3 Sept. |
| Dredge-winch, Clutches for. L. H. Reynolds | 11065 | 13 Oct. |
| Dredging apparatus. M. M. J. O. O'Connor | 10515 | 13 April. |
| Dredging apparatus, Gold-. W. Peck | 11201 | 2 June.* |
| Dredging machinery, Gold-. L. H. Reynolds | 11241 | 17 Dec. |
| Dresser, Seed-. J. Greenslade | 10368 | 15 Feb. |
| Dresses, Support for skirt of. G. H. Cain | 10495 | 7 April. |
| Dressing fibre or flax. (See Fibre, Flax.) | 11205 | 1 Dec. |
| Drill, cultivator, and furrower, Hoeing and combination seed- and manure-. C. Clarke | 10270 | 29 Dec., '97 |
| Drill, Feed device for fertiliser-. S. Tillbrook and W. A. Clutterbuck | 10945 | 5 Sept. |
| Drill, Fertiliser-distributor for seed-. W. E. Hughes | 10921 | 29 Aug. |
| Drill, Rock-. H. R. and H. L. Hancock | 10775 | 14 July. |
| Drilling machine, Rock-. R. P. Elmore | 11104 | 29 Oct. |
| Drills and sowers, Feed for agricultural. J. Keir | 10916 | 26 Aug. |
| Drink, Effervescing. W. H. Bickerton | 11225 | 8 Dec. |
| Driving-belt. W. H. Trengrove | 10350 | 9 Feb. |
| Driving gear or mechanism. (See Cycle driving gear or mechanism, Velocipede driving gear or mechanism.) | | |
| Driving sheep-shearing machine, Method of. A. Parker | 10611 | 21 May. |
| Dropper for wire-fencing. E. Smethurst and R. W. Chapman | 10829 | 28 July. |
| Dropper for wire-fencing, Hanging. E. Smethurst | 10898 | 19 Aug. |
| Drum for centrifugal separator, Bowl or. R. A. Lister and Co. (Limited) | 10671 | 10 June. |
| Dry-earth closet. T. Morrison and W. J. T. Ranger | 10675 | 7 June. |

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

| Invention and Name of Inventor. | No. | Date. |
|--|-------|-----------|
| Dryer for drying pulverised iron-ore. T. A. Edison | 11073 | 17 Oct. |
| Drying flax, wool, &c., Apparatus for. A. Ross | 10590 | 12 May. |
| Drying quartz, &c., Roasting and. J. Harrison | 10989 | 21 Sept. |
| Drying wool. (See Wool.) | | |
| Dust-stop for doors, Wind- and. E. A. Powell | 10882 | 17 Aug. |
| Dynamite-shell for artillery purposes. J. Arnaboldi | 10971 | 10 Sept. |
| Ear-mark. G. Hall | 10286 | 10 Jan. |
| Ear-mark. F. W. Okey and J. Downs | 10579 | 9 May. |
| Ear marking instrument, Combined castrating, tailing, and. F. A. Macdonald | 11026 | 27 Sept. |
| Ears and handle for milk-pail. T. Garland | 10288 | 17 Jan. |
| Earth-boring machine. F. H. Dannhardt and M. Mailer | 10707 | 21 June. |
| Earth closet, Dry-. T. Morrison and W. J. T. Ranger | 10675 | 7 June. |
| Earthenware nightsoil-pan. G. and W. Carder and E. Owen | 10367 | 14 Feb. |
| Earthenware pipe-joint. J. Farley | 10583 | 13 May. |
| Economizer, Smoke-consumer and fuel-. G. H. Hope | 10895 | 20 Aug. |
| Edible fat and meat-juices from animal carcasses, Mode of and apparatus for extracting. T. H. Bryant | 11221 | 8 Dec. |
| Edible, Medicated aperient. H. E. D'Albites | 11248 | 21 Dec. |
| Effervescing drink. W. H. Bickerton | 11225 | 8 Dec. |
| Egg-holder. H. J. Marks | 11208 | 2 Dec. |
| Egg-lifter. W. E. Voyce | 10931 | 25 Aug. |
| Egg-preserving composition. M. J. Hodgson | 10396 | 2 Mar. |
| Eggs, Apparatus for use in preserving. G. H. Umfreville and J. R. Dodd | 10339 | 4 Feb. |
| Ejecting-pump, Oil-can with force. G. Claydon | 10759 | 6 July. |
| Ejector cistern, Supply and. H. A. Ross | 11253 | 19 Dec. |
| Ejector for oil-can, Force. G. Claydon | 10430 | 12 March. |
| Ejector for tanks and cisterns, Silt-. S. Oxenham | 10816 | 22 July. |
| Ejector, Steam-, for exterminating weeds, garden-pests, &c. A. Reynolds | 10896 | 18 Aug. |
| Elastic tire. W. F. Williams | 10651 | 1 June. |
| Elastic tire and rim for wheel. P. Ambjörn, Comte de Sparre | 11266 | 23 Dec. |
| Electric arc lamp. Siemens Brothers and Co. (Limited) | 11047 | 10 Oct. |
| Electric battery. W. Burnet | 10536 | 27 April. |
| Electric battery, Primary. W. Rowbotham | 10537 | 27 April. |
| Electric fire-alarm. J. Gaut | 10370 | 19 Feb. |
| Electric fire-alarm. J. Gaut | 10399 | 1 March. |
| Electric fire-alarm. J. Gaut | 10468 | 30 March. |
| Electric fire-alarm. J. Gaut | 11260 | 22 Dec. |
| Electric furnace. G. D. Burton | 10268 | 4 Jan. |
| Electric furnace. C. S. Bradley | 11187 | 25 Nov. |
| Electric lamp, Incandescence. C. R. A. von Welsbach | 11159 | 14 Nov. |
| Electric welding, brazing, &c., Composition of carbons for. G. W. de Tunzelmann | 11195 | 26 Nov. |
| Electrical incandescence lamp. W. Nernst | 10595 | 17 May. |
| Electrically heating materials in closed chambers, Method of and apparatus for. Electric Reduction Company (Limited) | 10638 | 28 May. |
| Electro-deposition of copper on rotary cathodes. M. Perreur-Lloyd | 10331 | 31 Jan. |
| Electro-mechanical indicating and recording apparatus. C. E. Vernon and A. Ross | 10449 | 19 March. |
| Electrolytical treatment of ores and slimes for the recovery of metals therefrom. H. Riecken | 10848 | 6 Aug. |
| Elevating, Damming rivers to facilitate hydraulic. A. Smith | 10870 | 15 Aug. |
| Elevator and conveyor. T. A. Edison | 11071 | 17 Oct. |
| Elevator-cars, cages, &c., Safety-grip for lifts. T. B. Jacobsen | 10796 | 20 July. |
| Encycle. J. Galbraith | 10940 | 27 Aug. |
| Engine. (See Gas-engine, Motive-engine, Motor, Oil-engine, Rotary-engine, Steam-engine, Traction-engine.) | | |
| Entomologic, &c., specimens, Process for preserving anatomic. F. and G. de Rechter | 11214 | 8 Dec. |
| Enumerating-machine. S. G. Jameson and W. Hampson | 10888 | 19 Aug. |
| Enumerating-machine. The Hodson Patent Totaliser and Enumerating-machines Company (Limited) | 11038 | 7 Oct. |
| Envelope. D. McLennan and A. Beardsley | 10557 | 3 May. |
| Envelopes, Apparatus for dampening, folding, and sealing. D. Murphy and W. Millington | 10331 | 30 July. |
| Eroding metals, Method of. J. Miller | 10258 | 4 Jan. |
| Escape, Fire-. S. F. Darragh | 11277 | 3 Dec. |
| Escape ladder, Fire-. J. Hutcheson | 11279 | 31 Dec. |
| Escape, Method of raising and lowering fire-. D. Roche | 10415 | 8 March. |
| Expansion medium into power, Method of and apparatus for converting energy of fuel and an. A. Howard and W. R. Green | 11258 | 20 Dec. |
| Explosive. G. G. André and C. H. Curtis | 10489 | 7 April. |
| Explosive. J. O. Gunn | 10535 | 27 April. |
| Explosive. P. Cornet | 10573 | 10 May. |
| Explosive. O. F. Carlson | 10800 | 21 July. |
| Explosive. A. Fraser | 11011 | 28 Sept. |
| Explosive. H. Boyd | 11018 | 29 Sept. |
| Extinguisher and smoke-consumer, Spark-. J. Shepherd | 10872 | 15 Aug. |
| Extinguisher, Fire-. F. J. Corbett | 10575 | 10 May. |
| Extinguisher, Fire-. J. A. Burden, jun. | 10924 | 30 Aug. |
| Extinguisher for engines, Spark-. J. Speight | 10348 | 11 Feb. |
| Extinguishing gas-jets, Lighting and. The Automatic Gas Lighting and Extinguishing Company, Limited (Hoare and Kennedy's Patent) | 10822 | 28 July. |
| Extinguishing lamps, Means for lighting and. A. G. Kent-Johnston | 10986 | 19 Sept. |
| Extracting gold, &c. (See Gold, Lead, Metals, Ore, Zinc.) | | |
| Extracting oleine from milk, Machine for. W. B. Brain | 10614 | 18 May. |
| Extractor, Stump-. J. Drummond | 10981 | 17 Sept. |
| Extractor, Tree-stump. J. L. Anderson | 10951 | 8 Sept. |
| Eyelet-fastener for boot or shoe. J. A. Belk | 10345 | 8 Feb. |
| Fastener. (See Belt-fastener, Boot-fastener, Buckle-fastener, Door-fastener, Doormat-fastener, Eyelet-fastener, Gate-fastener, Hat-fastener, Horse-cover fastener, Label-fastener, Lace-fastener, Nozzle-fastener, Rail-fastener, Sash-fastener, Shoe-fastener, Trunk-fastener, Window-sash fastener.) | | |

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

| Invention and Name of Inventor. | No. | Date. |
|---|-------|-----------|
| Fastening and locking travelling-trunks, boxes, &c., Method of. J. Roland .. | 11035 | 5 Oct. |
| Fastening device or clip for securing pump to velocipede, &c. The Dunlop Pneumatic Tire Company (Limited) | 10386 | 26 Feb. |
| Fastening for bottles, jars, casks, &c., Stopper and. J. J. Shuttleworth .. | 11179 | 23 Nov. |
| Fastening for milk, cream, and other vessels. R. Worland .. | 10645 | 2 June. |
| Fastening for wheel-tire. The Leather Pneumatic Tire Company (Limited) | 10635 | 30 May. |
| Fat and meat-juices from animal carcasses, Mode of and apparatus for extracting edible. T. H. Bryant | 11221 | 8 Dec. |
| Fat, glue, and manure, Treating animal carcasses to obtain. E. F. Lichtner .. | 10436 | 18 March. |
| Fats and oils with air, Apparatus for treating and cooling heated. C. G. Hepburn .. | 10854 | 8 Aug. |
| Fats, Treating animal. C. H. Izard .. | 11183 | 25 Nov. |
| Faucet- or tap-filter. A. Y. Ross .. | 11133 | 18 Nov. |
| Feed for agricultural drills and sowers. J. Keir .. | 10916 | 26 Aug. |
| Feed for fertiliser-drill. S. Tillbrook and W. A. Clutterbuck .. | 10945 | 5 Sept. |
| Feed for manure-distributor, Force-. H. Quertier .. | 11029 | 29 Sept. |
| Feed for paper-bag machines, &c. H. B. Murray .. | 11087 | 18 Oct. |
| Feed-gear for saw-bench. G. A. Gamman .. | 10830 | 30 July. |
| Feeding match splints, Mechanism for. Diamond Match Company (Limited) | 11160 | 15 Nov. |
| Fence for trapping rabbits, Wire-netting. W. A. Sweetingham .. | 11046 | 10 Oct. |
| Fence-repairer, Wire-strainer and. E. H. Schmackenbergl .. | 10691 | 10 June. |
| Fencing, Cutting-bar for use in hard ground in. W. Cooper .. | 10498 | 7 April. |
| Fencing, Dropper for wire-. E. Smethhurst and R. W. Chapman .. | 10829 | 28 July. |
| Fencing, Hanger for wire-. W. C. Greig .. | 10863 | 10 Aug. |
| Fencing, Hanging dropper for wire-. E. Smethurst .. | 10898 | 19 Aug. |
| Fencing-post. E. Walker .. | 10837 | 17 Aug. |
| Fencing-standard. H. E. R. Rayner .. | 10683 | 13 June. |
| Fencing standard, Wire-. P. Roach .. | 11210 | 2 Dec. |
| Fencing-staple. C. J. E. Chubb .. | 10414 | 8 March. |
| Fencing-tool. H. Buckland .. | 10832 | 30 July. |
| Fencing, Wire-. W. Edgerton .. | 10374 | 19 Feb. |
| Fencing, Wire-grip for. C. Williams .. | 10553 | 3 May. |
| Fencing-wire strainer. G. Coates .. | 10394 | 1 March. |
| Fencing-wire strainer. G. Coates .. | 10589 | 14 May. |
| Fencing wires to standards, Means of securing. E. Smethurst and W. C. Greig .. | 10467 | 24 March. |
| Fermented or corrosive liquids, Pipe or conduit for. E. Roberts and H. R. Dixson .. | 10304 | 21 Jan. |
| Fermenting worts, Process for. J. Efront .. | 11066 | 17 Oct. |
| Ferrule-joint, Locking. E. Larcomb .. | 11000 | 26 Sept. |
| Fertiliser-distributor for seed-drill. W. E. Hughes .. | 10921 | 29 Aug. |
| Fertiliser-drill, Feed device for. S. Tillbrook and W. A. Clutterbuck .. | 10945 | 5 Sept. |
| Fibre-dressing machinery. A. J. Cuming .. | 10376 | 19 Feb. |
| Fibre fit for weaving, Process for rendering. W. and A. Ross .. | 10605 | 20 May. |
| Fibre for weaving, Manufacture of yarns from flax. W. and A. Ross .. | 10650 | 3 June. |
| Fibre-washing machine, Clothes- and. A. L. J. Tait .. | 11146 | 10 Nov. |
| Fibres, Process of removing gummy matters from. C. Wetherwax .. | 10993 | 22 Sept. |
| Fibrous materials, Method and apparatus for saturating, &c., for insulating purposes. Volenite (Limited) | 11074 | 17 Oct. |
| Fibrous plants, Process for dressing flax and other. A. Bergin .. | 10824 | 27 Jan. |
| Filter, Faucet- or tap-. A. Y. Ross .. | 11133 | 18 Nov. |
| Filter-press and cloth. J. C. Montgomerie .. | 11188 | 25 Nov. |
| Filter, Water-. J. S. Allan .. | 10613 | 18 May. |
| Filtering apparatus for beer. H. E. Brittin .. | 11237 | 15 Dec. |
| Filtering apparatus for separating solutions from tailings, slimes, &c. A. M. Nicholas .. | 11049 | 10 Oct. |
| Finger-circlet to carry pencil. E. Edwards and F. E. Basley .. | 11223 | 6 Dec. |
| Fire-alarm. (See Alarm.) | | |
| Fire-box, Coal, peat, or wood. R. Brinsley and P. S. B. Bett .. | 10819 | 23 July. |
| Fire-escape. S. F. Darragh .. | 11277 | 30 Dec. |
| Fire-escape ladder. J. Hutcheson .. | 11279 | 31 Dec. |
| Fire-escape, Method of raising and lowering. D. Roche .. | 10415 | 8 March. |
| Fire-extinguisher. F. J. Corbett .. | 10575 | 10 May. |
| Fire-extinguisher. J. A. Burden, jun. .. | 10924 | 30 Aug. |
| Fire-grate, Screen and draught-increaser for. W. H. Birch .. | 10505 | 14 April. |
| Fire-indicating device. F. W. Greengrass .. | 11273 | 29 Dec. |
| Fireplace, Converting range or stove fireplace into open. C. Beadle .. | 10631 | 26 May. |
| Fireplace, Draught-increasing device for. W. Brown .. | 11247 | 19 Dec. |
| Fireplace, Regulating draught in open. C. Clayton .. | 10867 | 12 Aug. |
| Fireproof structures, Manufacturing and securing metal sheets for. E. D. Bush .. | 10949 | 8 Sept. |
| Fire-tongs. G. Robinson .. | 10475 | 5 April. |
| Fish, Apparatus for scaling. C. C. A. Hall .. | 10452 | 22 March. |
| Fish-, or vermin-trap, Animal-. W. and T. D. Bayliff and B. Draper .. | 11058 | 13 Oct. |
| Fish-preserving composition. M. J. Hodgson .. | 10396 | 2 March. |
| Fish-scaler. R. and E. P. Aitken .. | 10608 | 20 May. |
| Fishing-gear, Deep-sea or shoal. C. A. Nielsen .. | 10404 | 4 March. |
| Flange for copper washing-boiler. J. Anderson .. | 10412 | 1 March. |
| Flat-iron. H. G. Moore .. | 11128 | 5 Nov. |
| Flax and other fibrous plants, Process for dressing. A. Bergin .. | 10324 | 27 Jan. |
| Flax, Dressing. A. Potter .. | 11262 | 19 Dec. |
| Flax-dressing machine. A. G. K. Hunter and R. Easton .. | 10318 | 25 Jan. |
| Flax, Method of manufacturing yarns from. W. and A. Ross .. | 10650 | 3 June. |
| Flax, Process for dressing. T. R. Gillman .. | 10641 | 8 June. |
| Flax, Process for dressing. A. Bergin .. | 11034 | 6 Oct. |
| Flax, Roller washing-machine for. W. Fairweather .. | 10519 | 15 April. |
| Flax-stripper, beating-bar, and feed-mouth. W. Fairweather .. | 10518 | 15 April. |
| Flax, Treating. S. S. Bastard .. | 11184 | 21 Nov. |
| Flax, Treatment of. S. S. Bastard .. | 10482 | 31 March. |
| Flax-washer. J. Rutherford .. | 10668 | 8 June. |
| Flax, wool, &c., Apparatus for drying. A. Ross .. | 10590 | 12 May. |
| Flax. (See also Fibre, <i>Phormium tenax</i> .) | | |

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

| Invention and Name of Inventor. | No. | Date. |
|---|-------|--------------|
| Fleeces, Saving potash from suint or yoke of. E. H. Barber | 11116 | 29 Oct. |
| Floor-cloths, linoleums, floors, &c., Preparation for cleaning and polishing. F. B. Ovenden | 10432 | 15 March. |
| Flooring. A. C. Saxton and J. H. Binns | 10821 | 28 July. |
| Floors, Method of constructing. W. E. Hughes | 11156 | 14 Nov. |
| Flowers, fruit, &c., Process of preserving. D. Cole | 11009 | 28 Sept. |
| Flue, High-pressure boiler and. J. Gell | 10780 | 18 July. |
| Fluid for impregnating fibres, fabrics, or bodies for incandescent lighting. The Daylight Incandescent Mantle Company (Limited) | 10506 | 14 April. |
| Fluid under pressure, Apparatus for imparting a spiral motion to. J. H. Decent | 10366 | 17 Feb. |
| Flushing-valve. W. Andrews | 10803 | 22 July. |
| Fly exterminator, Bot. A. C. Morton and A. J. Knocks | 11259 | 22 Dec. |
| Flyproof dish-cover. E. R. Stanfield | 10943 | 5 Sept. |
| Folding bicycle. G. Paterson | 10297 | 19 Jan. |
| Folding boxes, Manufacture of. T. B. Walker | 10618 | 26 May. |
| Food, Method of packing. C. E. Fitzgerald and G. Prescott | 10965 | 12 Sept. |
| Food, Process of canning. E. Norton | 10503 | 14 April. |
| Foot-grip for bicycle-pedal. A. G. Tomkies | 10871 | 15 Aug. |
| Foot-warmer, Bed- and. F. B. Clapcott | 10806 | 15 July. |
| Fork, Toasting-. N. A. Nielsen | 10927 | 31 Aug. |
| Foundering, Mat and gear to prevent vessels. J. Donald | 11151 | 8 Nov. |
| Frame for holding bicycles. W. R. S. Smith | 10598 | 12 May. |
| Frame, Picture-. H. Lange | 10540 | 27 April. |
| Freezing meat, Method of. G. J. A. Richardson | 11127 | 14 Dec. |
| Freezing. (See also Cooling, Refrigerating.) | | |
| Frozen-produce wrapper. F. A. Furlonge | 10485 | 7 April. |
| Fruit-case. A. M. Newman | 10795 | 20 July. |
| Fruit-preserving composition. M. J. Hodgson | 10396 | 2 March. |
| Fruit, &c., Process for preserving flowers. D. Cole | 11009 | 28 Sept. |
| Fruit-trees, Appliance for pruning or cutting. W. Pickup | 10298 | 19 Jan. |
| Fuel, Artificial. W. E. Hughes | 11013 | 28 Sept. |
| Fuel-economizer, Smoke-consumer and. G. H. Hope | 10895 | 20 Aug. |
| Fumes obtained in treating ores, Condensing and collecting. F. Ellershausen | 10902 | 23 Aug. |
| Fungoid specific. B. Dawson | 10267 | 6 Jan. |
| Funnel and spark-catcher. A. L. J. Tait | 11063 | 11 Oct. |
| Furnace, Electric. G. D. Burton | 10268 | 4 Jan. |
| Furnace, Electric. C. S. Bradley | 11187 | 25 Nov. |
| Furnace for making wrought-iron direct from iron-sand or ore. W. H. J. Ridley | 10939 | 27 Aug. |
| Furnace, Ore-. W. Sully | 10301 | 20 Jan. |
| Furnace, Ore-. A. G. Wells | 10845 | 3 Aug. |
| Furnace, Ore-. W. H. J. Ridley | 10864 | 9 Aug. |
| Furnace, Ore-roasting. W. H. Hartley and W. A. Koneman | 11019 | 29 Sept. |
| Furnace, Ore-roasting. W. H. Hartley and W. A. Koneman | 11185 | 25 Nov. |
| Furnaces, Apparatus for applying forced draught to. G. Claydon and T. A. Black | 11252 | 19 Dec. |
| Furniture-caster. T. Byers | 11261 | 22 Dec. |
| Furrower, Hoeing and combination seed- and manure-drill, cultivator, and. C. Clarke | 10270 | 29 Dec., '97 |
| Fuse-clinch, and cartridge-punch for use in blasting operations, Combined knife, detonating-cap and. D. Whitburn | 10904 | 17 Aug. |
| Galvanic battery. A. J. Benedict | 10266 | 5 Jan. |
| Game. F. P. Burton | 11200 | 25 Nov. |
| Gangue, Machine for separating ores from. W. Jamieson | 11218 | 8 Dec. |
| Gangue, Method of separating ores from. W. Jamieson | 11143 | 10 Nov. |
| Garments, Waterproof composition for. G. F. Newman | 10433 | 4 April. |
| Gas- and oil-lighting. W. H. Hand | 10725 | 27 June. |
| Gas, Apparatus for producing, from gasolene or other hydrocarbons. J. Crook | 10891 | 13 Aug. |
| Gas-burner, Incandescence. O. Kern | 10538 | 27 April. |
| Gas-burner, Incandescent. J. B. de Lery | 11157 | 14 Nov. |
| Gas-check for cartridge, Granulated. A. C. Whitney | 10556 | 29 April. |
| Gas-compressing and pressure-regulating apparatus for incandescent gas-lighting. Internationale Hydro-Press-Gas Compagnie Gesellschaft mit Beschränkter Haftung | 10799 | 21 July. |
| Gas-engine or motor. T. Doney | 10438 | 15 March. |
| Gas-engine, Pneumatic igniting gear for oil- or. F. Cronin | 10500 | 6 April. |
| Gas, Generation of wood-. W. H. Nichterlein | 10828 | 27 July. |
| Gas, Illuminating and heating. Etothene Gas Company (Limited) | 10421 | 10 March. |
| Gas-jets, Lighting and extinguishing. The Automatic Gas Lighting and Extinguishing Company, Limited (Hoare and Kennedy's Patent) | 10822 | 28 July. |
| Gas, Manufacture of. W. H. and G. E. Russell | 10280 | 13 Jan. |
| Gas-, or oil-engine, Piston-wheel rotary steam-. P. M. Dewar and J. Wilkins | 10813 | 21 July. |
| Gas-, or oil-engine, Piston-wheel rotary steam-. P. M. Dewar and J. Wilkins | 10912 | 23 Aug. |
| Gas-, or oil-engine, Rotary steam-. J. Wilkins and W. H. Burton | 11238 | 13 Dec. |
| Gas plant and system for producing acetylene and carbonic-acid gas combined. R. Goodwin | 10974 | 15 Sept. |
| Gas, Process for producing illuminating and heating, from Waikato coal. J. Campbell | 10905 | 28 Sept. |
| Gas-stove. T. C. Wilson | 10274 | 7 Jan. |
| Gas. (See also Acetylene.) | | |
| Gasolene or other hydrocarbons, Apparatus for producing gas from. J. Crook | 10891 | 13 Aug. |
| Gasometer, Acetylene-gas generator and. E. H. Elliott | 11153 | 12 Nov. |
| Gate-fastener. T. C. Enright | 10938 | 31 Aug. |
| Gate-hinge. J. Taylor and C. A. La Roche | 10964 | 3 Sept. |
| Gates, Method and appliance for opening and closing. A. Y. Ross | 10607 | 11 May. |
| Gauge for gauging size of timber, Saw-bench. R. A. McLeod | 10827 | 27 July. |
| Gear for ploughs, Levers and riding-. P. and D. Duncan (Limited) | 10715 | 21 June. |
| Gearing for hand-lifts. P. S. Gee | 10787 | 12 July. |
| Gelatine, Process for obtaining rubber-like substance from. C. Ives | 10900 | 4 Feb.* |
| Generator. (See under Acetylene, Gas.) | | |
| Gig-spring. G. Sigley | 10893 | 18 Aug. |
| Glue, and manure, Treating animal carcasses to obtain fat. E. F. Lichtner | 10436 | 18 March. |
| Gold- and silver-bearing solutions from ores or slimes, Apparatus for separating. G. S. Duncan | 10741 | 30 June. |
| Gold- and silver-bearing solutions from tailings, &c., Filtering apparatus for separating. A. M. Nicholas | 11049 | 10 Oct. |

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

| Invention and Name of Inventor. | No. | Date |
|--|-------|-----------|
| Gold- and silver-extraction. D. R. S. Galbraith and A. S. Walker | 11242 | 17 Dec. |
| Gold crevice dredge-bucket. E. Hayes | 11212 | 1 Dec. |
| Gold-dredge by water-pressure, Working. W. O'Brien, jun. | 10320 | 27 Jan. |
| Gold-dredge, Pontoon construction for. L. H. Reynolds | 10569 | 5 May. |
| Gold-dredging apparatus. W. Peck | 11241 | 17 Dec. |
| Gold-dredging machinery. L. H. Reynolds | 10368 | 15 Feb. |
| Gold-extraction by cyanide process. J. L. Hawliczek and H. L. Snape | 11264 | 23 Dec. |
| Gold, Saving alluvial. G. H. and A. H. Oatway | 10273 | 24 Jan. |
| Gold-saving amalgamator. R. U. Golding | 11006 | 28 Sept. |
| Gold-saving apparatus. A. J. Park | 11204 | 1 Dec. |
| Gold-saving device. W. Mentiplay | 10539 | 27 April. |
| Gold, Saving fine. R. Parker | 10541 | 23 April. |
| Gold-saving ripples. A. H. Shury | 11230 | 10 Dec. |
| Gold, silver, nickel, &c., ores, Treating refractory. J. E. Preston | 10446 | 19 March. |
| Golf-practice apparatus. J. G. Warren | 10634 | 30 May. |
| Goods, Method of and book for checking sales of. D. G. Brown | 10275 | 11 Jan. |
| Governor. D. Caithness | 10527 | 21 April. |
| Governor and clutch-gear, Speed-. T. G. Howden.. .. . | 10533 | 27 April. |
| Grain and seed cleaning and separating machine. H. House | 11088 | 19 Oct. |
| Grain reels or beaters for reaping-and-binding machinery. J. Kelly, jun. | 10453 | 19 March. |
| Granulated gas-check for cartridge. A. C. Whitney | 10556 | 29 April. |
| Graphophone, Reproducer of. W. W. Watson | 10910 | 26 Aug. |
| Grate, Draught-concentrator and smoke-preventer for register. E. Shadgett | 10815 | 26 July. |
| Grate, Screen and draught-increaser for fire-. W. H. Birch | 10505 | 14 April. |
| Grate, Valve-regulator for register. H. J. K. Foley | 10521 | 15 April. |
| Gravel, &c., Method of and apparatus for raising. W. Jennings | 10574 | 10 May. |
| Grease, soap-suds, distilled grease, &c., Treating wool. Lanosap (Limited) | 11016 | 29 Sept. |
| Grilling meat, toasting, &c., Utensil for. G. M. Wright | 10908 | 25 Aug. |
| Grinding-mill. A. G. Wells | 10739 | 28 June. |
| Grip-brake for mining-cage. H. Rabe | 10807 | 18 July. |
| Grip for bicycle-pedal, Foot-. A. G. Tomkies | 10871 | 15 Aug. |
| Grip for fencing, &c., Wire-. C. Williams | 10553 | 3 May. |
| Grip for lifts, elevator-cars, cages, &c., Safety-. T. B. Jacobsen | 10796 | 20 July. |
| Grip for shaft-cages, lifts, &c., Wedge-. P. G. Kelly | 10868 | 2 Aug. |
| Guard for handles of axes, &c., Shield or. F. Baker | 10880 | 17 Aug. |
| Guard for house-spouting. S. Oxenham | 10817 | 21 July. |
| Guard for tire, Mud-. S. Dunlop and G. H. Oatway | 10568 | 5 May. |
| Gum, Process of manufacturing varnish from kauri-. R. C. Trevor | 10426 | 9 March. |
| Gummy matters from vegetable fibres, Process of removing. C. Wetherwax | 10993 | 22 Sept. |
| Guttapercha-like substance, Process for forming a rubber- or. C. Ives | 10900 | 4 Feb.* |
| Hair and wool from skins, Machinery for removing. J. Murgatroyd | 10716 | 22 June. |
| Hair-comb and cleaner attachment. A. H. Cotton | 11129 | 1 Nov. |
| Hair or wool, Machine for cutting. J. W. Newall | 10599 | 17 May. |
| Hair, &c., Press for cotton, wool. G. A. Lowry | 10786 | 19 July. |
| Hair, Shearing. (See Shearing.) | | |
| Halters, Method of manufacturing headstall-. L. and D. McInnes | 10317 | 25 Jan. |
| Hammer-, axe-, and pick-heads to handles, Means for securing. F. Baker and A. Wynne | 10260 | 5 Jan. |
| Hand driving- and steering-gear for velocipedes. J. Foster | 10379 | 22 Feb. |
| Hand-hook for handling cargo. H. B. H. Smith | 10442 | 18 March. |
| Hand-lift, Gearing for. P. S. Gee | 10787 | 12 July. |
| Hand signalling-lamp. J. Pearson | 10770 | 12 July. |
| Handle and ears for milk-pail. T. Garland | 10288 | 17 Jan. |
| Handle-bar for cycles. G. S. Robertson | 10372 | 19 Feb. |
| Handle, Can-. W. A. McKay | 10836 | 2 Aug. |
| Handle, Cycle-. J. A. Smith | 10488 | 7 April. |
| Handle for bicycle, Pneumatic. H. Morrison | 10278 | 11 Jan. |
| Handle for kerosene-tin. T. B. Abbott | 11111 | 31 Oct. |
| Handle for milk-can, Combination hoop and. A. Harvey | 10997 | 20 Sept. |
| Handle to enable kerosene-tins to be used as buckets. V. S. Aston | 10463 | 21 March. |
| Handles, Means of securing axe-, hammer-, and pick-heads to. F. Baker and A. Wynne | 10260 | 5 Jan. |
| Handles of axes, &c., Shield or guard for. F. Baker | 10880 | 17 Aug. |
| Hanger and rack, Sash-. W. J. Alexander | 10664 | 8 June. |
| Hanger for wire-fencing. W. C. Greig | 10863 | 10 Aug. |
| Hanging and fastening window-sashes, shutters, &c. A. Y. Ross and J. Roland | 10473 | 28 March. |
| Hanging dropper for wire-fencing. E. Smethurst | 10898 | 19 Aug. |
| Hangings, Paper-. J. S. Scarr | 10990 | 21 Sept. |
| Harness, Brake for training horses to. A. le Fleming | 11085 | 17 Oct. |
| Hat. W. C. Robison and C. L. and T. H. R. Gardiner | 10730 | 27 June. |
| Hat-fastener. J. Wright and J. W. Mitchell | 10493 | 12 April. |
| Hat-fastener. J. Wright and J. W. Mitchell | 10680 | 13 June. |
| Hay-knife. O. L. Sutton | 10960 | 6 Sept. |
| Headstall-halters, Method of manufacturing. L. and D. McInnes | 10317 | 25 Jan. |
| Heater or pasteuriser, Milk. A. D. Dobson | 10586 | 13 May. |
| Heater, Water-. F. Parsons and M. Nelson | 10434 | 9 March. |
| Heater. (See also Foot-warmer.) | | |
| Heating and illuminating gas. Etothene Gas Company (Limited) | 10421 | 10 March. |
| Heating gas from Waikato coal, Process for producing illuminating and. J. Campbell | 10905 | 28 Sept. |
| Heating materials in closed chambers, Method of and apparatus for electrically. Electric Reduction Company (Limited) | 10638 | 28 May. |
| Heckling-machine. W. and A. Ross | 10591 | 13 May. |
| Heel-finishing machine. Xpedite Machine Company | 11138 | 10 Nov. |
| Hermetically closing jars. T. H. and M. B. Dodd | 11198 | 28 Nov. |
| Hermetically sealed metallic box or case, Cover and cutter for. G. H. Williamson | 10292 | 17 Jan. |
| Hernia-truss. W. R. C. Erson | 10980 | 13 Sept. |
| Hernia-truss, Pneumatic. W. R. C. Erson | 11106 | 26 Oct. |
| Hides and skins, Process of and apparatus for depilating. J. C. E. Roberts and J. Bailey | 10307 | 21 Jan. |
| Hides and skins, Treating. J. K. Tullis | 10918 | 29 Aug. |

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

| Invention and Name of Inventor. | No. | Date. |
|---|-------|--------------|
| Hides, leather, &c., Machinery for treating skins. J. Hall | 10646 | 2 June. |
| Hides, leather, &c., Machinery for treating skins. J. Hall | 11202 | 1 Dec. |
| High-pressure boiler and flue. J. Gell | 10780 | 18 July. |
| Hinge for truck-door. C. E. Dean | 10408 | 5 March. |
| Hinge, Gate-. J. Taylor and C. A. La Roche | 10964 | 3 Sept. |
| Hocks, Attachment to horse-shoes to prevent horses cutting. G. Allen | 10501 | 12 April. |
| Hoe. J. King | 11278 | 31 Dec. |
| Hoe, Weeding-. A. Y. Ross | 10860 | 3 Aug. |
| Hoeing and combination seed- and manure-drill, cultivator, and furrower. C. Clarke | 10270 | 29 Dec., '97 |
| Holder and cutter for cotton, &c., reels, Combined. D. W. McLean | 11100 | 25 Oct. |
| Holder. (See also Cotton-reel holder, Candle-holder, Egg-holder, Invoice-form holder, Leaf-holder, Paper-holder, Rein-holder, Tack-holder.) | | |
| Holdfast for securing rails, decking, platforms, &c., Spike and. F. Baker | 10919 | 29 Aug. |
| Hook for handling cargo, Hand-. H. B. H. Smith | 10442 | 18 March. |
| Hook, Slash or bill-. G. Lovell | 11115 | 27 Oct. |
| Hoop and handle for milk-can, Combination. A. Harvey | 10997 | 20 Sept. |
| Hoop for milk-cans, &c., Band or. R. Worland | 10645 | 2 June. |
| Horn for phonograph, Transmitting-. C. O. McCutcheon | 11194 | 24 Nov. |
| Horse-brand, Liquid sheep, cattle-, or. C. E. Young, W. C. Greig, and J. F. Day | 10838 | 15 Sept. |
| Horse cloth or cover. R. G. Knight | 11937 | 2 Sept. |
| Horse-collar. W. C. Handley | 10750 | 6 July. |
| Horse-collars and saddles, Improvements in. H. Hitchcock | 10342 | 4 Feb. |
| Horse cover. T. F. Evans | 10308 | 21 Jan. |
| Horse-cover. A. Robertson | 10450 | 19 March. |
| Horse-cover. S. Nicolson | 10494 | 12 April. |
| Horse-cover. C. Dahl | 10545 | 29 April. |
| Horse-cover. G. Sydes | 10632 | 27 May. |
| Horse-cover fastening. W. H. Travis | 10652 | 1 June. |
| Horse-cover fastening. G. A. Montgomery | 10736 | 29 June. |
| Horse-cover fastening. T. Hawke | 10856 | 4 Aug. |
| Horse cover or cloth. R. G. Knight | 10937 | 2 Sept. |
| Horse-flies, Mixture for repelling. H. T. Hill | 10338 | 1 Feb. |
| Horse- or cow-cover. W. J. Pallant | 10329 | 31 Jan. |
| Horse-shoe attachment. J. L. Brown, jun. | 11014 | 29 Sept. |
| Horse-shoe attachment to prevent horses cutting their hocks. G. Allen | 10501 | 12 April. |
| Horse-sling. C. Anderson and T. A. Wrenn | 10398 | 1 March. |
| Horses attached to vehicles, Means for preventing, from running away. W. A. Ramsey | 10907 | 23 Aug. |
| Horses, Bridle and bit for. S. van Buskirk | 10420 | 10 March. |
| Horses, Brake for training, to harness. A. le Fleming | 11085 | 17 Oct. |
| Horses to vehicles, Attachment of. G. W. Penney | 10355 | 14 Feb. |
| Hose-connection. K. Rowe and J. Durward | 10520 | 15 April. |
| Hose-coupling or union. J. Durward and K. Rowe | 11032 | 3 Oct. |
| Hose-couplings, Spanner for. W. Juriss | 10358 | 12 Feb. |
| Hose-piping, Fastener for affixing, to nozzles. Wong Young Wah | 11126 | 31 Oct. |
| Hospital mattress. A. H. Cotton | 11249 | 16 Dec. |
| Hot-water or steam boiler. T. Danks | 10742 | 30 June. |
| Hot-water system, Boiler for. G. Croll | 10497 | 7 April. |
| Hub, Wheel-. J. W. Oliver | 10365 | 15 Feb. |
| Hydraulic air-compressor. C. H. Taylor | 10283 | 13 Jan. |
| Hydraulic apparatus for raising liquids and producing motive-power. J. C. Gelly | 11048 | 10 Oct. |
| Hydraulic elevating and sluicing, Damming back water from alluvial ground to facilitate. A. Smith | 10870 | 15 Aug. |
| Hydraulic or aerostatic self-registering weighing-machine. J. E. Taylor | 11093 | 21 Oct. |
| Hydraulic ram. R. Tomline and M. P. Jonasen | 10383 | 21 Feb. |
| Hydraulic ram. M. P. Jonasen and R. Tomline | 10765 | 8 July. |
| Hydraulic separator for treating minerals. W. S. Lockhart | 10809 | 25 July. |
| Hydrocarbons, Apparatus for producing gas from gasolene or other. J. Crook | 10891 | 18 Aug. |
| Igniting-gear for oil-engines. F. Cronin | 10500 | 6 April. |
| Illuminating and heating gas. Etothene Gas Company (Limited) | 10421 | 10 March. |
| Illuminating and heating gas from Waikato and similar coal, Process for producing. J. Campbell | 10905 | 28 Sept. |
| Illuminating apparatus, Incandescent. L. Hooker | 11057 | 13 Oct. |
| Illuminating appliance for use with Bunsen burner. F. Isitt | 10597 | 17 May. |
| Incandescence electric lamp. C. R. A. von Welsbach | 11159 | 14 Nov. |
| Incandescent bodies, Oil-burners for heating. M. Graetz | 10622 | 26 May. |
| Incandescence gas-burner. O. Kern | 10538 | 27 April. |
| Incandescent gas-burner. J. B. de Lery | 11157 | 14 Nov. |
| Incandescent gas-lighting, Gas-compressing and pressure-regulating apparatus for. Internationale Hydro-Press-Gas Compagnie Gesellschaft mit Beschränkter Haftung | 10799 | 21 July. |
| Incandescent illuminating apparatus. L. Hooker | 11057 | 13 Oct. |
| Incandescent lamp, Electrical. W. Nernst | 10595 | 17 May. |
| Incandescent lighting, Fluid for impregnating fabrics for. The Daylight Incandescent Mantle Company (Limited) | 10506 | 14 April. |
| Incandescent oil-lamp burner. J. W. Butcher and J. A. Pietzcker | 10529 | 25 April. |
| Incandescent oil-lamp burner. The "Era" Incandescent Oil Lamp Company (Limited) | 11274 | 9 Dec. |
| Indandescible subjects, Manufacturing. The Astral Incandescent Lighting Company (Limited) | 11056 | 13 Oct. |
| Indicating and recording apparatus, Electro-mechanical. C. E. Vernon and A. Ross | 10449 | 19 March. |
| Indicating device, Fire-. F. W. Greengrass | 11273 | 29 Dec. |
| Indicating or recording distance, time, and fare for vehicles, &c., also applicable as an advertising medium, Apparatus for. W. Blaker, J. Ridge, T. Mutton, and H. E. Hupton | 10754 | 7 July. |
| Indicating, registering, and weight-totalling apparatus for weighing-machine, Cost-. W. H. and W. L. D. Gundry | 11144 | 10 Nov. |
| Indicator for cricket-umpire, Register and. J. B. Allen | 11245 | 16 Dec. |
| Indicator for railway-carriage, Station-. W. C. and H. M. Dennes | 11037 | 7 Oct. |
| Indicator lamp, Bus or car name-. A. C. Atkin | 10812 | 21 July. |
| Indicator, Office-return clock-face. G. H. Lester | 10712 | 17 June. |
| Indicator, Overweight-. H. Valder | 10492 | 12 April. |

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

| Invention and Name of Inventor. | No. | Date. |
|--|-------|-----------|
| Indicator, Railway-line defect-. A. E. Bagnall | 10674 | 7 June. |
| Indicator, Target-carrying frame and. J. W. Porter | 11007 | 28 Sept. |
| Indicator. (See also Signalling.) | | |
| Indigestion, constipation, &c., Remedy for. H. J. Beeche | 11004 | 28 Sept. |
| Indigestion cure. H. E. B. Williams | 11250 | 19 Dec. |
| Induction-valve for motive engine. A. Howard | 11255 | 20 Dec. |
| Inflating-valve. G. E. Grimwood | 11001 | 20 Sept. |
| Insects, Compostion for destroying noxious. W. Bain | 10789 | 14 July. |
| Instrument for levelling and determining positions. T. N. Blackhall and C. P. Baker | 11155 | 14 Nov. |
| Insulating purposes, Method and apparatus for vulcanising and oxidizing fibrous material for. Volenite (Limited) | 11074 | 17 Oct. |
| Invoice-form holder. C. B. Smith and E. M. Wildey | 11003 | 26 Sept. |
| Iron, Flat-. H. G. Moore | 11128 | 5 Nov. |
| Iron from ironsand or ore, Furnace for making wrought-. W. H. J. Ridley | 10939 | 27 Aug. |
| Iron-ore, coal, &c., into briquettes, Machine for forming pulverised. T. A. Edison | 11072 | 17 Oct. |
| Iron-ore, Dryer for pulverised. T. A. Edison | 11073 | 17 Oct. |
| Iron-ores and bricking same, Process of and apparatus for concentrating. T. A. Edison | 11068 | 17 Oct. |
| Ironsand, Process and apparatus for extracting titanic acid or titanium from. A. Coubrongh | 11036 | 7 Oct. |
| Ironsand for smelting, Process for preparing. R. A. Paterson and G. Pott | 10667 | 9 June. |
| Jack, Spectacle for timber-. H. Priestley | 10878 | 13 Aug. |
| Jack, Timber-. D. Donald | 11028 | 1 Oct. |
| Jars, bottles, &c., Machine for labelling tins. J. R. Bradley, H. Giles, and F. V. Sanderson | 10305 | 21 Jan. |
| Jars, &c., Sealing or hermetically closing. T. H. and M. B. Dodd | 11198 | 28 Nov. |
| Jars, casks, &c., Stopper and fastening for bottles. J. J. Shuttleworth | 11179 | 23 Nov. |
| Joint for pipes, Expansion-. F. de J. Clere and G. Fitzgerald | 11079 | 20 Oct. |
| Joint for earthenware pipes. J. Farley | 10583 | 13 May. |
| Joint, Locking ferrule-. E. Larcomb | 11000 | 26 Sept. |
| Joint or union, Piping for. T. Brooks and A. M. Ayles | 10640 | 1 June. |
| Joint, Rail-. J. Sutherland and H. R. Schmidt | 10791 | 18 July. |
| Joint, Rail coupling or. G. Gettings, C. Grosvenor, and W. S. Greenville | 10343 | 1 Feb. |
| Jug lid or cover. E. J. Menesdorffer | 10702 | 20 June. |
| Kauri gum, Process of manufacturing varnish from. R. C. Trevor | 10426 | 9 March. |
| Kauri-gum refuse, Process and apparatus for extracting oil and spirit from. R. C. Trevor | 11181 | 22 Nov. |
| Kerosene-can. G. Lambert and J. Stewart | 10487 | 7 April. |
| Kerosene-lamps, Filling, from tins. J. Harrison | 10550 | 2 May. |
| Kerosene-tin handle. T. B. Abbott | 11111 | 31 Oct. |
| Kerosene-tin handle. V. S. Aston | 10463 | 21 March. |
| Kerosene-tins, Draw-off tap for. D. C. Jenkins | 11031 | 5 Oct. |
| Kettle, Tea-. E. C. Millard | 11186 | 25 Nov. |
| Key and key-bed for wheel. R. Fairweather | 10705 | 20 June. |
| Key for operating wire-strainer, Ratchet and lever-. P. F. M. Burrows | 10922 | 29 Aug. |
| Kitchen-range. H. Fancourt | 10312 | 24 Jan. |
| Knife-cleaning machine. W. Dalley | 10935 | 31 Jan. |
| Knife, detonating-cap and fuse clinch, and cartridge-punch, Combined, for use in blasting operations. D. Whitburn | 10904 | 17 Aug. |
| Knife, Hay-. O. L. Sutton | 10960 | 6 Sept. |
| Label. J. B. Gould | 10263 | 5 Jan. |
| Label. J. B. Gould | 10850 | 8 Aug. |
| Label-fastener. J. B. Gould | 10262 | 5 Jan. |
| Labelling and wrapping machine, Tin. S. Fyfe | 10443 | 18 March. |
| Labelling and wrapping machine, Tin. S. Fyfe and W. C. Peacock | 10669 | 10 June. |
| Labelling machine, Bottle-. S. Fyfe | 10444 | 18 March. |
| Labelling machine, Bottle-. S. Fyfe and W. C. Peacock | 10670 | 10 June. |
| Labelling tins, jars, bottles, &c., Machine for. J. R. Bradley, H. Giles, and F. V. Sanderson | 10305 | 21 Jan. |
| Lace fastening Boot-. W. W. Cabena | 11080 | 20 Oct. |
| Ladder, Fire-escape. J. Hutcheson | 11279 | 31 Dec. |
| Lamp, Acetylene carriage, cycle, or motor-car. T. Holliday | 10425 | 10 March. |
| Lamp, Acetylene table-, bicycle-, or carriage. W. Tyree | 10417 | 7 March. |
| Lamp and generator, Acetylene. W. Tyree | 10572 | 6 May. |
| Lamp, Arc. W. Jandus | 10322 | 27 Jan. |
| Lamp, Burner for petroleum-. G. Kron | 10440 | 18 March. |
| Lamp burner, Incandescent oil-. J. W. Butcher and J. A. Pietzcker | 10529 | 25 April. |
| Lamp, Tallow-. A. R. Jones | 10547 | 29 April. |
| Lamp, Torch-. I. and F. A. Johnson | 10938 | 20 Sept. |
| Lamp-wick. G. W. Newson | 10643 | 31 May. |
| Lamp-wick. G. W. Newson and J. P. Harris | 10753 | 5 July. |
| Lamp-wick. Albatross Mining and Prospecting Company (Limited) | 10785 | 18 July. |
| Lamps, Filling kerosene-, from tins. J. Harrison | 10550 | 2 May. |
| Lamps, Means for lighting and extinguishing street-. A. G. Kent-Johnston | 10986 | 19 Sept. |
| Lamp. (See also Acetylene-lamp, Arc lamp, Bus-lamp, Electric lamp, Incandescence, Incandescent lamp, Oil-lamp, Signalling-lamp.) | | |
| Lantern to miner's billy, Tongue-and-socket connection for holding. W. Meikle and J. Chambers | 10360 | 9 Feb. |
| Lasting-pliers. D. E. Smith and A. Tyree | 10380 | 22 Feb. |
| Leaching apparatus, Washing and. R. Moodie | 10704 | 20 June. |
| Lead and zinc, Smelting minerals and ores containing. G. H. Blenkinsop | 10392 | 31 Jan. |
| Lead fumes and zinciferous lead-ores, Treatment of precipitated. F. Ellershausen | 11022 | 29 Sept. |
| Lead-ores, Treatment of. A. Pigott | 10460 | 23 March. |
| Lead, Treatment of complex ore for recovery of copper, zinc, and. G. de Bechi | 11226 | 10 Dec. |
| Leaf-holder. F. Howell | 10731 | 24 June. |
| Leaf-stemming machine. W. E. Hughes | 10306 | 21 Jan. |
| Leak-repairing composition for pneumatic tire. C. S. Howe and J. W. Langley | 10330 | 31 Jan. |
| Learning to ride bicycle, Apparatus for use in. F. W. Painter | 10837 | 1 Aug. |
| Leather, &c., Machinery for treating skins, hides. J. Hall | 10646 | 2 June. |
| Leather, &c., Machinery for treating skins, hides. J. Hall | 11202 | 1 Dec. |
| Leather to render it less liable to puncture, Treating. P. C. Johnston | 11141 | 10 Nov. |
| Leaves, Machine for stemming tobacco-. G. P. and W. H. Butler | 10881 | 17 Aug. |

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

| Invention and Name of Inventor. | No. | Date. |
|--|-------|--------------|
| Leaves of music, &c., Apparatus for turning over. A. M. Bain | 10548 | 29 April. |
| Leaves of pamphlets, &c., Machine for securing together. R. N. Adams .. | 10378 | 22 Feb. |
| Levelling and determining positions, Instrument for. T. N. Blackhall and C. P. Baker .. | 11155 | 14 Nov. |
| Lever. W. Cooper | 10429 | 7 March. |
| Lever-pedal for bicycle. T. H. Tidd | 11039 | 4 Oct. |
| Levers and riding-gear for ploughs. P. and D. Duncan (Limited) | 10715 | 21 June. |
| Lid or cover, Jug. E. J. Menesdorffer | 10702 | 20 June. |
| Lid, Saucepan and. J. W. McDougall | 10311 | 24 Jan. |
| Lift, Gearing for hand-. P. S. Gee | 10787 | 12 July. |
| Lifter, Egg-. W. E. Voyce | 10931 | 25 Aug. |
| Lifting and directing battery-stamps for crushing quartz, &c. R. Cockerell | 10580 | 29 April. |
| Lifting liquid by means of a partial vacuum. A. Johnston | 10391 | 25 Feb. |
| Lifting, loading, unloading, and stacking goods or merchandise, Apparatus for. A. Sell .. | 10929 | 31 Aug. |
| Lifts, elevator-cars, cages, &c., Safety-grip for. T. B. Jacobsen | 10796 | 20 July. |
| Lifts, &c., Wedge-grip for shaft-cages. P. G. Kelly | 10868 | 2 Aug. |
| Lighting and extinguishing gas-jets. The Automatic Gas Lighting and Extinguishing Com- pany, Limited (Hoare and Kennedy's Patent) | 10822 | 28 July. |
| Lighting and extinguishing street-lamps, Means for. A. G. Kent-Johnston | 10986 | 19 Sept. |
| Lighting, Apparatus for vacuum-tube. Moore Electrical Company | 10774 | 14 July. |
| Lighting, Fluid for impregnating fabrics for. The Daylight Incandescent Mantle Company (Limited) | 10506 | 14 April. |
| Lighting, Gas- and oil-. W. H. Hand | 10725 | 27 June. |
| Lighting, Gas-compressing and pressure-regulating apparatus for incandescent gas-. Inter- nationale Hydro-Press-Gas Compagnie Gesellschaft mit Beschränkter Haftung | 10799 | 21 July. |
| Lighting, System of vacuum-tube, and apparatus for use therein. Moore Electrical Company .. | 10773 | 14 July. |
| Lines, Fastening sash-. S. Softe | 10351 | 12 Feb. |
| Lining-crimp. A. J. Davey | 10466 | 24 March. |
| Link, Dredge-bucket. W. J. Le Cren and J. Tyson | 11078 | 19 Oct. |
| Liquid, Apparatus for drawing off fixed quantities of. W. Turnbull | 10558 | 5 May. |
| Liquid, Lifting, by means of a partial vacuum. A. Johnston | 10391 | 25 Feb. |
| Liquid-measurer. J. Anderson | 10935 | 30 Aug. |
| Liquids and producing motive-power, Hydraulic apparatus for raising. J. C. Gelly | 11048 | 10 Oct. |
| Liquids and registering quantity measured, Apparatus for measuring. A. Aitken | 10899 | 23 Aug. |
| Liquids, Apparatus for drawing off fixed quantities of. W. Turnbull | 10959 | 9 Sept. |
| Liquids, Appliance for drawing off. W. R. Gutteridge and A. Jack | 11174 | 22 Nov. |
| Liquids, Filtering apparatus for beer and other. H. E. Brittin | 11237 | 15 Dec. |
| Liquids, Pipe or conduit for fermented or corrosive. E. Roberts and H. R. Dixon | 10304 | 21 Jan. |
| Liquids, Tin for carrying. J. W. C. Taylor | 11002 | 23 Sept. |
| Liquids, Valve for flushing water-closets and drawing off. H. G. Bedell and J. Welsby .. | 11231 | 13 Dec. |
| Liquids, Weight-registering apparatus usable for delivery of. J. Dallimore | 10701 | 20 June. |
| Liquors of meat and boiling-down works, Extraction of marketable commodities from. G. S. Mackenzie | 10405 | 4 March. |
| Lithographic machines, Self-feeder for ruling, printing, rolling, and. F. W. Vickery | 10504 | 14 April. |
| Loading, unloading, and stacking goods or merchandise, Apparatus for lifting. A. Sell .. | 10929 | 31 Aug. |
| Loads, Apparatus for raising, lowering, and transporting. J. and J. R. Temperley | 10808 | 25 July. |
| Lock, Window-. R. Allan | 10724 | 27 June. |
| Lock, Window-. R. Allan | 11041 | 10 Oct. |
| Lock, Window-. J. Robertson | 11105 | 26 Oct. |
| Locking ferrule-joint. E. Larcomb | 11000 | 26 Sept. |
| Locking travelling-trunks, boxes, &c., Method of fastening and. J. Roland | 11035 | 5 Oct. |
| Loom. D. M. Seaton | 10512 | 14 April. |
| Loom, Thread-carrier for. D. M. Seaton | 10502 | 14 April. |
| Lottery-box. H. Droullege | 10869 | 10 Aug. |
| Lubricating purposes, Oil-can for. G. Claydon | 10759 | 6 July. |
| Lubricator-conductor, Continuous crank or eccentric. J. Greenslade | 11216 | 5 Dec. |
| Lubricator, Siphon oil-. J. Anderson | 10334 | 31 Jan. |
| Luminous composition, Auto-. L. Braly | 10326 | 27 Jan. |
| Magnetic ore-separator. G. J. Crean | 10424 | 10 March. |
| Magnetic ores, Process of and apparatus for concentrating and bricking. T. A. Edison .. | 11068 | 17 Oct. |
| Magnetic separation, Method of and apparatus for. Metallurgische Gesellschaft | 10594 | 17 May. |
| Mangling- or wringing-machine. J. S. Smith | 11220 | 8 Dec. |
| Manure, Apparatus for sowing seeds and applying. J. Gordon-Jones | 10855 | 9 Aug. |
| Manure-distributor. A. Storrie | 10600 | 18 May. |
| Manure-distributor, Force-feed for. H. Quertier | 11029 | 29 Sept. |
| Manure-drill, cultivator, and furrower, Hoeing and combination seed- and. C. Clarke .. | 10270 | 29 Dec., '97 |
| Manure, Treating animal carcasses to obtain fat, glue, and. E. F. Lichtner | 10436 | 18 March. |
| Marbles, Box for holding billiard-pool. W. Miller | 11023 | 24 Sept. |
| Mark, Ear-. G. Hall | 10286 | 10 Jan. |
| Mark, Ear-. F. W. Okey and J. Downs | 10579 | 9 May. |
| Marker, Meat-. W. H. Trengrove | 10349 | 9 Feb. |
| Marking instrument, Combined castrating, tailing, and ear-. F. A. Macdonald | 11026 | 27 Sept. |
| Marking meat, Mode of. F. Page, W. H. Trengrove, and J. Wallman | 11092 | 21 Oct. |
| Marking or branding meat, Device for. M. and J. A. Belk | 10333 | 1 Feb. |
| Match-box. W. Smith | 10679 | 13 June. |
| Match-splints, Mechanism for feeding. Diamond Match Company (Limited) | 11160 | 15 Nov. |
| Material to be employed in place of wood, iron, leather, &c., Manufacture of. E. Kingscote .. | 11265 | 23 Dec. |
| Mattress. J. K. Barklie | 10771 | 11 July. |
| Mattress, Hospital. A. H. Cotton | 11249 | 16 Dec. |
| Mattress, Wire-woven. W. Hart | 10914 | 23 Aug. |
| Measured quantities of milk, &c., Apparatus for delivering. R. W. Wyett | 11123 | 3 Nov. |
| Measurer, Liquid-. J. Anderson | 10935 | 30 Aug. |
| Measuring limited lengths and calculating fractional parts thereof, Instrument for. J. L. Brown, jun. | 11015 | 29 Sept. |
| Measuring liquids and registering quantity measured, Apparatus for. A. Aitken | 10899 | 23 Aug. |
| Meat- and provision-safe. R. H. Bishop and C. J. Axten | 10790 | 18 July. |
| Meat, Device for marking or branding. M. and J. A. Belk | 10333 | 1 Feb. |

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

| Invention and Name of Inventor. | No. | Date. |
|--|-------|-----------|
| Meat in condition of powder, Process for obtaining sterilised raw. F. Grognet .. | 11161 | 15 Nov. |
| Meat-juices from animal carcasses, Mode of and apparatus for extracting edible fat and. T. H. Bryant | 11221 | 8 Dec. |
| Meat-marker. W. H. Trengrove | 10349 | 9 Feb. |
| Meat, Method of freezing. G. J. A. Richardson | 11127 | 14 Dec. |
| Meat, Mode of marking. F. Page and W. H. Trengrove | 11092 | 21 Oct. |
| Meat-preserving works, &c., Process and apparatus for extracting marketable commodities from waste liquors of. G. S. Mackenzie | 10405 | 4 March. |
| Medicated aperient edible. H. E. D'Albites | 11248 | 21 Dec. |
| Medicinal compound. S. Weld | 10861 | 10 Aug. |
| Medicinal pastille. E. Donald | 10805 | 12 Aug. |
| Medicine for cure of indigestion. H. E. B. Williams | 11250 | 19 Dec. |
| Medicine. (See also Cure, Remedy.) | | |
| Metal plates for printing copies of photographs, Process for preparing. J. Miller | 10781 | 15 July. |
| Metal sheets for fireproof structures, Manufacturing and securing. E. D. Bush | 10949 | 8 Sept. |
| Metal, Treatment of ores for the recovery of. J. S. Gilmour and H. S. Young | 11010 | 28 Sept. |
| Metallic bale-covering. M. A. Heath | 10842 | 5 Aug. |
| Metals, Apparatus for extracting, from slimes and tailings. T. J. Denny | 10509 | 14 April. |
| Metals, Means applicable for use in extracting, from metallic solutions. J. C. Montgomerie | 10756 | 7 July. |
| Metals, Method of eroding. J. Miller | 10258 | 4 Jan. |
| Metals, Method of extracting, from oxide-ores or oxygen compounds. J. Rudolphs and J. Landin | 10302 | 21 Jan. |
| Metals, Precipitating precious, from cyanide solutions. The Gold-extraction Syndicate (Limited) | 10568 | 5 May. |
| Metals, Recovery of, from ores and slimes by electrolytical treatment. H. Riecken | 10848 | 6 Aug. |
| Mildew and blight on trees, Mixture for destroying. B. Dawson | 10267 | 6 Jan. |
| Military bicycle. G. Paterson | 10296 | 19 Jan. |
| Military tricycle. G. Paterson | 10295 | 19 Jan. |
| Milk-aerator to frame of same, Method of attaching vessels of. A. Harvey | 10996 | 20 Sept. |
| Milk, Apparatus for concentrating. W. B. Walters | 11196 | 26 Nov. |
| Milk-can, Combination hoop and handle for. A. Harvey | 10997 | 20 Sept. |
| Milk-cans, &c., Band or hoop for. R. Worland | 10645 | 2 June. |
| Milk, &c., Apparatus for delivering measured quantities of. R. W. Wyett | 11123 | 3 Nov. |
| Milk cooler and aerator. W. R. Gutteridge and A. Jack | 11173 | 22 Nov. |
| Milk heater or pasteuriser. A. D. Dobson | 10586 | 13 May. |
| Milk, Machine for extracting oleine from. W. B. Brain | 10614 | 19 May. |
| Milk-pail, Handle and ears for. T. Garland | 10288 | 17 Jan. |
| Milk-tap. A. Harvey | 11167 | 14 Nov. |
| Milk, Treatment of separated, for obtaining milk proteids and their utilisation for alimentary purposes. H. Higgins | 10726 | 27 June. |
| Milk-vessel, Fastening for. R. Worland | 10645 | 2 June. |
| Milking-machine, Pulsating. The Pulsator Milking-machine Company (Limited) | 10542 | 26 April. |
| Milking-machine, Pulsating teat-cup for. The Pulsator Milking-machine Company (Limited) | 10543 | 26 April. |
| Milking-machine, Pulsating teat-cup for. The Pulsator Milking-machine Company (Limited) | 10666 | 6 June. |
| Mill for quartz-crushing, Roller-. W. P. Wynne | 10944 | 5 Sept. |
| Mill, Grinding-. A. G. Wells | 10739 | 28 June. |
| Mill, Threshing-. J. R. Melville | 10684 | 13 June. |
| Minerals and ores containing lead and zinc, Smelting. G. H. Blenkinsop | 10332 | 31 Jan. |
| Minerals, Hydraulic separator for treating. W. S. Lockhart | 10809 | 25 July. |
| Miner's billy, Tongue-and-socket connection for holding lantern to. W. Meikle and J. Chambers | 10360 | 9 Feb. |
| Miner's pick. J. Robertson | 11232 | 13 Dec. |
| Mines, Apparatus for ventilating. W. Asmus | 10323 | 27 Jan. |
| Mining-cage, &c., Brake for. H. Rabe | 10807 | 18 July. |
| Mining-cage extension-frames for shaft-sinking. J. E. Wearne | 10654 | 6 June. |
| Mining placers, Method and apparatus for. W. F. Lay | 10279 | 13 Jan. |
| Mirror. A. J. Park | 11060 | 14 Oct. |
| Mirror-and-watch combination. F. L. Lorden and F. C. Stephenson | 11094 | 25 Oct. |
| Mirrors, Method of mounting toilet-. D. Sykes | 11175 | 22 Nov. |
| Moistening adhesive surfaces, Damper for. R. M. Hathaway and J. Robertson | 10601 | 18 May. |
| Moistening adhesive surfaces, Device for. R. M. Hathaway and J. Robertson | 10793 | 19 July. |
| Monkey-plate and ram for baling-press. W. Humble and W. Nicholson | 10690 | 14 June. |
| Monocycle skate. J. Galbraith | 10877 | 12 Aug. |
| Moths, larvæ, and the like, Apparatus and composition for destroying. W. Bromiley and W. Strong | 10720 | 25 June. |
| Motive engine. A. Howard | 11254 | 20 Dec. |
| Motive engine, Induction-valve for. A. Howard | 11255 | 20 Dec. |
| Motive-power engine. B. C. Pole | 10593 | 14 May. |
| Motive-power, Hydraulic apparatus for raising liquids and producing. J. C. Gelly | 11048 | 10 Oct. |
| Motive purposes, Method of compressing air for. E. Bond and W. H. Burton | 10995 | 20 Sept. |
| Motor. A. Anderson and O. Magnus | 10528 | 22 April. |
| Motor and mechanism for vehicle. J. Pender | 10406 | 2 March. |
| Motor-car lamp, Acetylene. T. Holliday | 10425 | 10 March. |
| Motor carriage or vehicle, Auto-. W. J. Brewer and J. E. Cooper | 11223 | 12 Dec. |
| Motor-carriages, &c., Speed- and reversing-gear for. The Prétot Motor Syndicate (Limited) | 11020 | 29 Sept. |
| Motor for driving shearing-machine. A. Parker | 10738 | 29 June. |
| Motor, Gas-engine or. T. Doney | 10438 | 15 March. |
| Motor or pump, Rotary. G. Westinghouse | 10564 | 5 May. |
| Motor road-vehicle. The Prétot Motor Syndicate (Limited) | 11021 | 29 Sept. |
| Motor, Rotary. C. F. C. Lohmann | 10889 | 19 Aug. |
| Motors, Means for controlling. E. R. Gill | 10934 | 1 Sept. |
| Mouldboard for plough. J. Barugh and W. K. Elder | 11168 | 15 Nov. |
| Moulder and cultivator, Potato. T. Clements | 11203 | 1 Dec. |
| Mountings of swingle-trees for ploughs, &c. C. A. Arnaboldi | 10717 | 22 June. |
| Mouse- and rat-trap. J. T. Norton and D. Deavoll | 10963 | 10 Sept. |
| Mouth-piece cigarette. E. T. Gilliland | 10508 | 14 April. |
| Mucedineæ, Manufacture of alcohol by saccharification and fermentation by. A. Collette, fils, and A. Boidin | 11131 | 7 Nov. |

ALPHABETICAL LIST OF TITLES OF INVENTIONS—continued.

| Invention and Name of Inventor. | No. | Date. |
|--|-------|-----------|
| Mucedineæ, Apparatus for the manufacture of alcohol by saccharification and fermentation by A. Collette, fils, and A. Boidin | 11132 | 7 Nov. |
| Mud-guard for pneumatic tire. S. Dunlop and G. H. Oatway | 10568 | 5 May. |
| Multi-tine mouldboard for plough. J. Barugh and W. K. Elder | 11168 | 15 Nov. |
| Musk-like substance, Method of producing an artificial scent or. The Anglo-Colonial Chemical Company (Limited) | 10672 | 10 June. |
| Music-cabinet stool. W. Angell | 11084 | 17 Oct. |
| Music-leaves, Apparatus for turning over. A. M. Bain | 10548 | 29 April. |
| Music-turner. W. H. Bryant | 10734 | 29 June. |
| Music-turner. A. M. Bain | 10946 | 5 Sept. |
| Mustard-pot. A. H. Cotton | 10525 | 16 April. |
| Nail. H. L. W. Button | 10340 | 4 Feb. |
| Nail. A. E. Appleton | 11177 | 23 Nov. |
| Nail for securing corrugated iron. J. Greenhill | 11044 | 10 Oct. |
| Name-indicator lamp, Bus or car. A. C. Atkin | 10812 | 21 July. |
| Name- or number- and weight-registering apparatus. J. Dallimore | 10701 | 20 June. |
| Needle-threader. Gem Needle-threader Company (Limited) | 11263 | 23 Dec. |
| Net, Whale-. G. H. Cook | 10647 | 23 May. |
| Net, Wire whaling-. D. G. Lane | 11052 | 7 Oct. |
| Neuralgia-cure, Toothache- or. M. L. Squire | 11059 | 13 Oct. |
| Nickel, Process and apparatus for obtaining, from nickel-carbonyl. L. Mond | 10403 | 5 March. |
| Nightsoil-pan. G. and W. Carder and E. Owen | 10367 | 14 Feb. |
| Non-intoxicating beverage. E. Uhlmann | 11067 | 17 Oct. |
| Non-refillable bottle. J. H. Pomeroy | 10464 | 22 March. |
| Non-refillable bottle. H. R. Walker | 11027 | 28 Sept. |
| Non-refillable bottle. D. A. McIntyre and A. Y. Dickinson | 11275 | 29 Dec. |
| Nozzle-fastener for hose-piping. Wong Young Wah | 11126 | 31 Oct. |
| Number- and weight-registering apparatus. J. Dallimore | 10701 | 20 June. |
| Numbering, and dating apparatus, Registering. G. S. Hickman | 10948 | 6 Sept. |
| Nut and wrench. J. W. McDougall | 10277 | 11 Jan. |
| Oatmeal. T. Pennal | 11101 | 27 Oct. |
| Office-return clock-face indicator. G. H. Lester | 10712 | 17 June. |
| Oil- and gas-lighting. W. H. Hand | 10725 | 27 June. |
| Oil and spirit, Process and apparatus for extracting, from kauri-gum refuse. R. C. Trevor | 11181 | 22 Nov. |
| Oil-burner for production of non-luminous flame. M. Graetz | 10622 | 26 May. |
| Oil-can for lubricating purposes, with force ejecting-pump. G. Claydon | 10759 | 6 July. |
| Oil-can, Force ejector for. G. Claydon | 10430 | 12 March. |
| Oil-lamp burner, Incandescent. J. W. Butcher and J. A. Pietzeker | 10529 | 25 April. |
| Oil-lamp burner, Incandescent. The "Era" Incandescent Oil Lamp Company (Limited) | 11274 | 29 Dec. |
| Oil-lubricator, Siphon. J. Anderson | 10334 | 31 Jan. |
| Oil-, or gas-engine, Piston-wheel rotary steam-. P. M. Dewar and J. Wilkins | 10813 | 21 July. |
| Oil-, or gas-engine, Piston-wheel rotary steam-. P. M. Dewar and J. Wilkins | 10912 | 23 Aug. |
| Oil- or gas-engine, Pneumatic igniting-gear for. F. Cronin | 10500 | 6 April. |
| Oil- or gas-engine, Rotary steam-. J. Wilkins and W. H. Burton | 11238 | 13 Dec. |
| Oil-protector for cyclists. H. M. and J. Levinge | 10395 | 1 March. |
| Oils with air, Apparatus for treating and cooling heated fats and. G. M. Hepburn | 10854 | 8 Aug. |
| Oleine from milk, Machine for extracting. W. B. Brain | 10614 | 19 May. |
| Opener, Oyster-. W. Hicks and R. Hickling | 10784 | 18 July. |
| Opener, Tin-. C. Bristow | 10706 | 21 June. |
| Opening gates, Method and appliance for. A. Y. Ross | 10607 | 11 May. |
| Ore, coal, &c., briquettes, Machine for forming pulverised iron-. T. A. Edison | 11072 | 17 Oct. |
| Ore concentrator and separator, Dry-. R. E. and E. Waugh | 10559 | 5 May. |
| Ore, &c., Dryer for pulverised iron-. T. A. Edison | 11073 | 17 Oct. |
| Ore-feeding machine. Parke and Lacy Company | 10991 | 21 Sept. |
| Ore, Treating complex, for recovery of copper, zinc, and lead. G. de Bechi | 11226 | 10 Dec. |
| Ore-furnace. W. Sully | 10301 | 20 Jan. |
| Ore-furnace. A. G. Wells | 10845 | 3 Aug. |
| Ore-furnace. W. H. J. Ridley | 10864 | 9 Aug. |
| Ore, Machine for separating, from gangue. W. Jamieson | 11218 | 8 Dec. |
| Ore or quartz, Treating. H. H. Adams | 10474 | 29 March. |
| Ore-roasting furnace. W. A. Koneman and W. H. Hartley | 11019 | 29 Sept. |
| Ore-roasting furnace. W. H. Hartley and W. A. Koneman | 11185 | 25 Nov. |
| Ore-separator, Magnetic. G. J. Crean | 10424 | 10 March. |
| Ores and slimes, Electrolytical treatment of. H. Riecken | 10848 | 6 Aug. |
| Ores, Condensing and collecting fumes obtained in the treatment of. F. Ellershausen | 10902 | 23 Aug. |
| Ores containing lead and zinc, Smelting minerals and. G. H. Blenkinsop | 10332 | 31 Jan. |
| Ores, Crushing and classifying apparatus for quartz and other. J. Colquhoun-Thomson | 10659 | 7 June. |
| Ores for recovery of metals, Treating. J. A. Gilmour and H. S. Young | 11010 | 28 Sept. |
| Ores, Method of separating, from gangue. W. Jamieson | 11143 | 10 Nov. |
| Ores, Mode of and apparatus for decanting solutions from auriferous. J. J. Deeble | 10687 | 13 June. |
| Ores or oxygen compounds, Method of extracting metals from oxide-. J. Rudolphs and J. Landin | 10302 | 21 Jan. |
| Ores or slimes, Apparatus for separating gold- and silver-bearing solutions from. G. S. Duncan | 10741 | 30 June. |
| Ores, Process of and apparatus for concentrating iron-, and bricking same. T. A. Edison | 11068 | 17 Oct. |
| Ores, Treating. E. B. Parnell | 10513 | 14 April. |
| Ores, Treating refractory gold-, &c. J. E. Preston | 10446 | 19 March. |
| Ores, Treating refractory sulphide. F. Ellershausen | 10933 | 1 Sept. |
| Ores, Treating zinc-bearing. S. O. Cowper-Coles | 11017 | 29 Sept. |
| Ores, Treatment of lead-. A. Pigott | 10460 | 23 March. |
| Overweight-indicator. H. Valder | 10492 | 12 April. |
| Oxide-ores or oxygen compounds, Methods of extracting metals from. J. Rudolphs and J. Landin | 10302 | 21 Jan. |
| Oxidizing fibrous material for insulating purposes, Method and apparatus for vulcanising and. Volenite (Limited) | 11074 | 17 Oct. |
| Oxygen compounds, Method of extracting metals from oxide-ores or. J. Rudolphs and J. Landin | 10802 | 21 Jan. |
| Oyster-opener. W. Hicks and R. Hickling | 10784 | 18 July. |

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

| Invention and Name of Inventor. | No. | Date. |
|---|-------|-----------|
| Pack-saddle. H. Hitchcock.. .. . | 10342 | 4 Feb. |
| Packer for reaper-and-binder. W. and S. Graham | 10287 | 10 Jan. |
| Packing case or box for fruit, &c. A. M. Newman | 10578 | 7 May. |
| Packing food, Method of. C. E. Fitzgerald and G. Prescott | 10965 | 12 Sept. |
| Pad, Cricket. J. Pomeroy and W. F. Williams | 10385 | 23 Feb. |
| Pail, Handles and ears for milk. T. Garland | 10288 | 17 Jan. |
| Paint. J. A. McArtney | 10778 | 15 July. |
| Painting Venetian blinds, Machine for. J. F. Brown | 10911 | 23 Aug. |
| Palm, Thimble or seaman's. J. Pomeroy and M. G. Raymond | 10694 | 13 June. |
| Pamphlets, &c., Machine for securing together leaves of. R. N. Adams | 10378 | 22 Feb. |
| Pan, Airtight cess-. L. L. McDermott.. .. . | 10978 | 6 Sept. |
| Pan, Airtight closet-. J. Whitefield and F. S. Parker | 10688 | 8 June. |
| Pan, Earthenware nightsoil-. G. and W. Carder and E. Owen | 10367 | 14 Feb. |
| Pan, Preserving-. H. and A. J. Buckland | 10385 | 2 Aug. |
| Panoramic apparatus for exhibiting advertisements. W. H. Russell and C. H. Peake | 10708 | 21 June. |
| Paper-bag machine. A. Brainard | 11158 | 14 Nov. |
| Paper, Collapsible receptacle made from. E. T. Taylor | 10325 | 27 Jan. |
| Paper-feeder for paper-bag machines, printing-presses, &c. H. B. Murray | 11087 | 18 Oct. |
| Paper-hangings. J. S. Scarr | 10990 | 21 Sept. |
| Paper-holder. T. Lewis | 10766 | 11 July. |
| Paper into strips or shavings, Cutting. R. J. Rousay and W. G. Sinclair | 10471 | 31 March. |
| Parcel-carrying attachment to bicycles. M. J. Kennedy | 11148 | 8 Nov. |
| Pasteuriser or heater for milk. A. D. Dobson | 10586 | 13 May. |
| Pastille, Medicinal. E. Donald | 10805 | 12 Aug. |
| Pavement composition. P. A. C. Bates | 10300 | 20 Jan. |
| Paving streets and roadways, Method of. W. Anderson | 10973 | 15 Sept. |
| Payments, Machine for checking cash-. M. J. Allan | 10979 | 12 Sept. |
| Peat, or wood fire-box, Coal. R. Brinsley and P. S. B. Bett | 10819 | 23 July. |
| Pedal. J. Miller | 10544 | 27 April. |
| Pedal and toe-clip, Cycle-. H. G. Bedell.. .. . | 10361 | 16 Feb. |
| Pedal, Foot-grip for bicycle-. A. G. Tomkins | 10371 | 15 Aug. |
| Pedal for bicycles, Lever-. T. H. Tidd.. .. . | 11039 | 4 Oct. |
| Pedal gearing for sewing-machine. A. H. Light | 10554 | 27 April. |
| Peeler and cleaner, Potato. F. W. Naumann and M. Corrigan | 10714 | 23 June. |
| Peeling and washing potatoes, turnips, &c., Machine for. C. Williams | 10839 | 2 Aug. |
| Peg, Clothes-. F. J. Leonard and G. B. Hutton | 10313 | 17 Jan. |
| Peg, Clothes-. W. C. Greig | 10411 | 5 March. |
| Peg, Clothes-. J. Robinson | 11082 | 20 Oct. |
| Pegging machine, Peg cut-off mechanism for boot-sole-. C. H. B. Corbett | 11114 | 31 Oct. |
| Pencil, Finger-circlet to carry. E. Edwards and F. E. Basley | 11223 | 6 Dec. |
| Pens, Method of and apparatus for charging reservoir-. J. Hardcastle | 10588 | 12 May. |
| Percussion-table. R. F. and G. A. Waller | 11170 | 21 Nov. |
| Petroleum-lamp, Burner for. G. Kron | 10440 | 18 March. |
| Phonograph. G. V. Gress | 11134 | 10 Nov. |
| Phonograph, Transmitting-horn for. C. O. McCutcheon | 11194 | 24 Nov. |
| <i>Phormium tenax</i> , Process for preparing and manufacturing, into fibre. W. and A. Ross | 10605 | 20 May. |
| <i>Phormium tenax</i> . (See also Fibre, Flax.) | | |
| Photographing on china, porcelain, &c., Process for. H. W. Drew and F. N. Jonas | 10879 | 17 Aug. |
| Photographs, Attaching dress material, &c., to. G. M. Eldred | 10402 | 2 March. |
| Photographs, Method of reproducing. J. W. Frost | 10356 | 11 Feb. |
| Photographs, Process for preparing metal plates for printing copies of. J. Miller | 10781 | 15 July. |
| Pick-head to handle, Means for securing. F. Baker and A. Wynne | 10260 | 5 Jan. |
| Pick, Miner's. J. Robertson | 11232 | 13 Dec. |
| Picture-frame. H. Lange | 10540 | 27 April. |
| Pipe-joint, Expansion. F. de J. Clere and G. Fitzgerald | 11079 | 20 Oct. |
| Pipe, Joint for earthenware. J. Farley | 10583 | 13 May. |
| Pipe or conduit for fermented or corrosive liquids. E. Roberts and H. R. Dixson | 10304 | 21 Jan. |
| Pipe scraper, Metal-. S. Crawshaw | 10476 | 2 April. |
| Pipe, Tobacco-. A. R. and J. Mackay | 10393 | 1 March. |
| Pipe, Tobacco-. J. Mackay | 10427 | 12 March. |
| Pipe-wrench. F. Best | 11233 | 9 Dec. |
| Pipes, &c., Method of and machine for manufacturing concrete. W. E. Hughes | 11163 | 15 Nov. |
| Piping, Thin metal. T. Brooks and A. M. Ayles | 10640 | 1 June. |
| Piston-wheel rotary steam-, gas-, or oil-engine. P. M. Dewar and J. Wilkins | 10912 | 23 Aug. |
| Placers, Method of and apparatus for mining. W. F. Lay | 10279 | 13 Jan. |
| Plant, Protective covering for. R. Goulding | 10797 | 21 July. |
| Planter, Potato-. C. Anketell | 10925 | 30 Aug. |
| Plate, Toe-. R. Wilkinson | 10826 | 25 July. |
| Pliers, Lasting-. D. E. Smith and A. Tyree | 10380 | 22 Feb. |
| Plough. F. Bennett | 10576 | 9 May. |
| Plough. F. J. McDonald | 10604 | 20 May. |
| Plough. W. J. Nankivell | 10612 | 21 May. |
| Plough. J. Griffin | 10735 | 24 June. |
| Plough. J. Lochhead | 10751 | 4 July. |
| Plough. J. Cook, jun. | 10769 | 9 July. |
| Plough. J. Gray | 11193 | 23 Nov. |
| Plough-coulter. A. W. Legg | 10357 | 14 Feb. |
| Plough, Drain-. W. K. Hazlett | 10626 | 25 May. |
| Plough, Multi-tine mouldboard for. J. Barugh and W. K. Elder | 11168 | 15 Nov. |
| Plough, Potato-. J. Cokerell and W. C. Harper | 10975 | 15 Sept. |
| Ploughing couchy and other grass land, Method of and apparatus for. Q. Muir | 10662 | 8 June. |
| Ploughs, Disc for rotary disc-. W. C. Peacock | 11012 | 28 Sept. |
| Ploughs, Levers and riding-gear for. P. and D. Duncan (Limited) | 10715 | 21 June. |
| Ploughs, Lifting and adjusting the discs of rotary disc-. W. G. Peacock | 10942 | 5 Sept. |
| Ploughs, &c., Mountings of swingle-trees for. C. A. Arnaboldi | 10717 | 22 June. |
| Ploughshare, Extension-plate attachment to. A. E. Bagnall | 10697 | 13 June. |
| Pneumatic handle for bicycle. H. Morrison | 10278 | 11 Jan. |

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

| Invention and Name of Inventor. | No. | Date. |
|---|-------|-------------|
| Pneumatic hernia-truss. W. R. C. Erson | 10980 | 13 Sept. |
| Pneumatic hernia-truss. W. R. C. Erson | 11106 | 26 Oct. |
| Pneumatic igniting-gear for oil- or gas-engine. F. Cronin | 10500 | 6 April. |
| Pneumatic inflating-valve. G. E. Grimwood | 11001 | 20 Sept. |
| Pneumatic tube to rim, Holding cover of. J. Cottrell | 10284 | 13 Jan. |
| Pneumatic tire. A. J. Cuming | 10549 | 25 April. |
| Pneumatic tire. C. K. Welch | 10811 | 6 Oct. '97* |
| Pneumatic tire. E. T. D. Bell | 10998 | 23 Sept. |
| Pneumatic tire in rim, Securing single-tube. S. Macdonald | 10496 | 7 April. |
| Pneumatic tire, Leak-repairing composition for. C. S. Howe and J. W. Langley | 10380 | 31 Jan. |
| Pneumatic tire, Means for preventing puncture of. A. J. Cuming | 10352 | 12 Feb. |
| Pneumatic tire, Puncture-closing composition for. G. J. Betts and F. T. Bower | 10507 | 14 April. |
| Pneumatic tire, Tool for removing and replacing cover of. T. and H. Bennett | 11192 | 25 Nov. |
| Pneumatic tire, Unpuncturable single-tube. J. Kellie | 10763 | 7 July. |
| Pneumatic wheel-tire. G. M. Clark | 10486 | 7 April. |
| Point or switch for overhead rails. J. Hudson and F. Cooper | 10397 | 10 March. |
| Polish, Cleansing. H. W. Williams | 10713 | 22 June. |
| Polishing boots and other articles, Instrument for. J. Macgregor | 10628 | 21 May. |
| Polishing floor-cloths, &c., Preparation for cleaning and. F. B. Ovenden | 10432 | 15 March. |
| Pontoon construction for gold-dredge. L. H. Reynolds | 10569 | 5 May. |
| Porcelain, &c., Process for photographing on china. H. W. Drew and F. N. Jonas | 10879 | 17 Aug. |
| Positions, Instrument for levelling and determining. T. N. Blackhall and C. P. Baker | 11155 | 14 Nov. |
| Post, Fencing. E. Walker | 10887 | 17 Aug. |
| Pot, Mustard. A. H. Cotton | 10525 | 16 April. |
| Potash and caustic potash, Making. H. M. Levinge | 10926 | 27 Aug. |
| Potash from suint or yolk of fleeces, Saving. E. H. Barber | 11116 | 29 Oct. |
| Potato digger, bagger, and separator. A. M. Waters | 11154 | 14 Nov. |
| Potato moulder and cultivator. T. Clements | 11203 | 1 Dec. |
| Potato peeler and cleaner. F. W. Naumann and M. Corrigan | 10714 | 23 June. |
| Potato-planter. C. Anketell | 10925 | 30 Aug. |
| Potato-plough. J. Cockerell and W. C. Harper | 10975 | 15 Sept. |
| Potatoes, Apparatus for sorting. D. R. Mathias | 10623 | 23 May. |
| Potatoes, turnips, &c., Machine for peeling and washing. C. Williams | 10839 | 2 Aug. |
| Powder-introducing appliance for curative or surgical purposes. Silenette Proprietary (Limited) | 10952 | 8 Sept. |
| Power, Method of and apparatus for converting energy of fuel and an expansion medium into. A. Howard and W. G. R. Green | 11258 | 20 Dec. |
| Precipitating precious metals from cyanide solutions. The Gold-extraction Syndicate (Limited) | 10563 | 5 May. |
| Preservation of frozen, fresh, &c., produce, Wrapper or bag for. F. A. Furlonge | 10485 | 7 April. |
| Preserver for dairy and other produce, Cooler and. J. S. Allan | 10433 | 15 March. |
| Preserving anatomic, entomologic, &c., specimens, Process for. F. and G. de Rechter | 11214 | 6 Dec. |
| Preserving and boiling-down works, Process and apparatus for the extraction of marketable commodities from the waste liquors of meat. G. S. Mackenzie | 10405 | 4 March. |
| Preserving and tawing skins, Method of. U. de Gunzburg | 10534 | 27 April. |
| Preserving apples. A. Vincent | 10454 | 23 March. |
| Preserving composition for butter, eggs, fruit, &c. M. J. Hodgson | 10396 | 2 March. |
| Preserving eggs, Apparatus for use in. G. H. Umfreville and J. R. Dodd | 10339 | 4 Feb. |
| Preserving flowers, fruit, &c., Process of. D. Cole | 11009 | 23 Sept. |
| Preserving meats and other foods, Refrigerating apparatus for. W. B. Lucas | 10310 | 18 Jan. |
| Preserving-pan. H. and A. J. Buckland | 10835 | 2 Aug. |
| Press and cloth, Filter. J. C. Montgomerie | 11188 | 25 Nov. |
| Press for cotton, wool, hair, &c. G. A. Lowry | 10786 | 19 July. |
| Press for making roofing-tile. T. Köhler | 10843 | 5 Aug. |
| Press, Monkey-plate and ram for baling. W. Humble and W. Nicholson | 10690 | 14 June. |
| Press, Operating mechanism for wool. F. Blaxland and W. Wilmott | 11113 | 31 Oct. |
| Press, Paper-feeder for printing. H. B. Murray | 11087 | 11 Oct. |
| Press, Wool. H. Sedcole | 10738 | 1 July. |
| Press, Wool. E. Ewen | 10966 | 13 Sept. |
| Primary battery. A. Peters | 11176 | 17 Nov. |
| Primary electric battery. W. Rowbotham | 10537 | 27 April. |
| Printing-blocks of same object, Method of producing a plurality of half-tone. H. J. Weeks | 10639 | 31 May. |
| Printing copies of photographs, Method for preparing metal plates for. J. Miller | 10781 | 15 July. |
| Printing-presses, &c., Feeder for paper-bag machines. H. B. Murray | 11087 | 18 Oct. |
| Printing, rolling, and lithographic machines, Self-feeder for ruling. F. W. Vickery | 10504 | 14 April. |
| Printing. (See also Butter-printing.) | | |
| Prism lights and frames, and mountings for same. J. M. Ewen | 10480 | 13 April. |
| Prism lights and mountings, and framings therefor. J. M. Ewen | 10479 | 5 April. |
| Propeller. A. Reynolds | 10369 | 15 Feb. |
| Propeller. A. Howard | 11257 | 20 Dec. |
| Propeller, Boat. A. L. J. Tait | 10663 | 1 June. |
| Propulsion of cycles, Mechanism for assisting in the. G. B. H. Austin | 10619 | 26 May. |
| Prospecting-dredge. A. Sangster | 10384 | 17 Feb. |
| Protective covering for plant. R. Goulding | 10797 | 21 July. |
| Protective device for brush. S. G. Roseman | 11097 | 25 Oct. |
| Protector, Barrel-stave. A. Terry, jun. | 10820 | 23 July. |
| Protector, Cyclist's trouser. A. M. Wix | 10354 | 12 Feb. |
| Provision-safe, Meat and. R. H. Bishop and C. J. Axten | 10790 | 18 July. |
| Pruning or cutting fruit-trees, Appliance for. W. Pickup | 10298 | 19 Jan. |
| Pruning trees, Appliance for. W. Pickup | 10552 | 3 May. |
| Puddling- and screening-machine. R. Cockerell | 11152 | 10 Nov. |
| Pulley, Split. H. Wilson and T. Mant | 11222 | 8 Dec. |
| Pulsating milking-machine. The Pulsator Milking-machine Company (Limited) | 10542 | 26 April. |
| Pulsating teat-cup for milking-machine. The Pulsator Milking-machine Company (Limited) | 10543 | 26 April. |
| Pulsating teat-cup for milking-machine. The Pulsator Milking-machine Company (Limited) | 10666 | 6 June. |
| Pulveriser and riddle combined, Rotary. G. M. Fosbery and G. Fry | 10976 | 15 Sept. |
| Pulveriser. (See also Crusher, Crushing, Grinding, Stamper-battery.) | | |
| Pump. J. Small | 10469 | 28 March. |
| Pump. A. E. Luttrell and A. Griffith | 11234 | 14 Dec. |

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

| Invention and Name of Inventor. | No. | Date. |
|--|-------|---------------|
| Pump, Check-valve for. D. C. Streeter | 10961 | 5 Sept. |
| Pump, Clip for velocipede-. The Dunlop Pneumatic Tire Company | 10386 | 26 Feb. |
| Pump, Oil-can with force ejecting-. G. Claydon | 10759 | 6 July. |
| Pump operatable by coin-freed mechanism, Cycle-. G. B. Gallup | 10852 | 8 Aug. |
| Pump, Rotary motor or. G. Westinghouse | 10564 | 5 May. |
| Puncture-closing composition for pneumatic tire. G. J. Betts and F. T. Bower | 10507 | 14 April. |
| Puncture of pneumatic tire, Means for preventing. A. J. Cuming | 10352 | 12 Feb. |
| Puncture, Treating leather to render it less liable to. P. C. Johnston | 11141 | 10 Nov. |
| Punt, Self-discharging bottom for silt-. J. Grant.. .. . | 10615 | 19 May. |
| Punt, Silt-. G. B. Beere | 10337 | 1 Feb. |
| Quantity-registering apparatus, Name- or number- and. J. Dallimore | 10701 | 20 June. |
| Quartz and other ores, Crushing and classifying apparatus for. J. Colquhoun-Thomson | 10659 | 7 June. |
| Quartz, auriferous washes, &c., Agitating crushed. G. H. and M. J. Oatway | 10272 | 24 Jan. |
| Quartz or ore, &c., Wet method of treating. H. H. Adams | 10474 | 29 March. |
| Quartz, &c., Roasting and drying. J. Harrison | 10989 | 21 Sept. |
| Quartz, Roller-mill for crushing. W. P. Wynne | 10944 | 5 Sept. |
| Rabbit-crate. J. Taylor | 10271 | 8 Jan. |
| Rabbit-crate. W. A. Thompson | 10401 | 26 Feb. |
| Rabbit-crate. J. B. Zander and J. Cooke | 10620 | 26 May. |
| Rabbit-crate. W. J. Tonkin | 10985 | 17 Sept. |
| Rabbit-crate. W. A. Thompson | 11099 | 21 Oct. |
| Rabbit-crate. J. Metzger | 11240 | 12 Dec. |
| Rabbit-trap. A. Dreaver | 10958 | 9 Sept. |
| Rabbit-trap, Trap-tongue protecting platform for. G. J. Cooper | 11086 | 17 Oct. |
| Rabbits and hares, Tray for use in refrigeration of. J. B. Zander and J. Cooke | 10621 | 26 May. |
| Rabbits, &c., Wire-netting fence for trapping. W. A. S. Williamson | 11046 | 10 Oct. |
| Races, Apparatus for starting horse-. W. Adams | 11090 | 20 Oct. |
| Races, Clock for use in starting. H. Reynolds | 10884 | 29 Aug. |
| Rack, Sash-hanger and. W. J. Alexander | 10664 | 8 June. |
| Racking apparatus, Barrel- or cask-. J. J. Marshall | 10987 | 19 Sept. |
| Rail coupling or joint. G. Gettings, O. Grosvenor, and W. S. Greenville | 10343 | 1 Feb. |
| Rail-fastening. The "White" Patent Rail Fastening Company (Limited) | 10851 | 8 Aug. |
| Rail-joint. J. Sutherland and H. R. Schmidt | 10791 | 18 July. |
| Rails, Appliance to be attached to tram-cars for clearing the. J. Jennett and A. Allen | 10762 | 7 July. |
| Rails, Point or switch for overhead. J. Hudson and F. Cooper | 10397 | 1 March. |
| Railway- and traction-engines, Spark-extinguisher for. J. Speight | 10348 | 11 Feb. |
| Railway-carriage, Station-indicator for. W. C. and H. M. Dennes | 11087 | 7 Oct. |
| Railway-carriages, &c., Acetylene-gas generator for lighting. J. Trackson | 11135 | 10 Nov. |
| Railway-line defect-indicator. A. E. Bagnall | 10674 | 7 June. |
| Railway metals, Coupling. F. Ottaway | 10319 | 27 Jan. |
| Railway or tramway rolling-stock. E. Smethurst | 10375 | 19 Feb. |
| Railway rolling-stock, Means for altering gauge of. L. Pearce | 10710 | 21 June. |
| Railway rolling-stock, Slack-adjuster for brake-gear of. F. W. Selley and W. H. Nisbet | 11112 | 31 Oct. |
| Railway signalling apparatus. W. Brierley | 10303 | 21 Jan. |
| Railways, Cattle-stop for. F. O. Skelton | 10923 | 31 Aug. |
| Raising gravel, &c., Method of and apparatus for. W. Jennings | 10574 | 10 May. |
| Raising liquids and producing motive-power, Hydraulic apparatus for. J. C. Gelly | 11048 | 10 Oct. |
| Raising loads, Apparatus for. J. and J. R. Temperley | 10808 | 25 July. |
| Raising mud, &c., from river-beds, Apparatus for. G. Poil | 10353 | 12 Feb. |
| Raising sunken ships, &c., Apparatus for. M. M. J. O. O'Conor | 11124 | 18 Nov., '97* |
| Raising water, Apparatus for. J. Welsby and H. G. Bedell | 11045 | 10 Oct. |
| Ram for baling-press, Monkey-plate and. W. Humble and W. Nicholson | 10690 | 14 June. |
| Ram, Hydraulic. R. Tomline and M. P. Jonasen | 10383 | 21 Feb. |
| Ram, Hydraulic. M. P. Jonasen and R. Tomline | 10765 | 8 July. |
| Range, Cooking-. B. S. and J. H. Nicholls | 10729 | 27 June. |
| Range, Cooking-. S. Barningham, E. T. O'Connell, and T. McCormack | 10462 | 21 March. |
| Range, Kitchen-. H. Fancourt | 10312 | 24 Jan. |
| Range or stove fireplace into open fireplace, Converting. C. Beadle | 10631 | 26 May. |
| Range. (See also Stove.) | | |
| Rat-trap, Mouse- and. J. T. Norton and D. Deavoll | 10963 | 10 Sept. |
| Reaper-and-binder canvases, Method of attaching battens to. T. H. Mann | 10630 | 27 May. |
| Reaper-and-binder, Conveying attachment for. J. Matheson and J. A. Berg | 10364 | 28 Feb. |
| Reaper-and-binder, Packer for. S. and W. Graham | 10287 | 10 Jan. |
| Reaping-and-binding machinery, Grain reels or beaters for. J. Kelly, jun. | 10453 | 19 March. |
| Receiving apparatus, Telegraphic transmitting and. B. Hoffmann | 10459 | 23 March. |
| Receptacle, Collapsible, made from paper. E. T. Taylor | 10325 | 27 Jan. |
| Reckoner, Spring balance and ready. W. S. Andrews and J. Boock | 11118 | 2 Nov. |
| Reclining-chair. P. Bock | 11005 | 28 Sept. |
| Recorder, Time-. J. and A. Dey | 11272 | 29 Dec. |
| Recording apparatus, Electro-mechanical indicating and. C. E. Vernon and A. Ross | 10449 | 19 March. |
| Recording distance, time, and fare for vehicles, &c., Apparatus for indicating and. W. Blaker, J. Ridge, T. Mutton, and H. E. Hupton | 10754 | 7 July. |
| Recording score in cricket-match. J. W. Bindon | 11055 | 13 Oct. |
| Reel for wire-straining. P. F. M. Burrows | 10883 | 18 Aug. |
| Reel holder, Cotton-. W. C. Greig | 10653 | 2 June. |
| Reels, Combined holder and cutter for cotton-. D. W. McLean | 11100 | 25 Oct. |
| Refrigerating apparatus. W. B. Lucas | 10310 | 18 Jan. |
| Refrigerating process and apparatus. G. S. Robertson | 10982 | 17 Sept. |
| Refrigerating. (See also Cooling, Freezing.) | | |
| Refrigeration of rabbits and hares, Tray for use in. J. B. Zander and J. Cooke | 10621 | 26 May. |
| Register and indicator for cricket umpire. J. B. Allen | 11245 | 16 Dec. |
| Register, Cash-. The Empire Cash Register (Limited) | 11270 | 28 Dec. |
| Register grate, Draught-concentrator and smoke-preventer for. E. Shadgett | 10815 | 26 July. |
| Register grate, Valve-regulator for. H. J. K. Foley | 10521 | 15 April. |
| Registering, and weight-totalling apparatus for weighing-machine, Cost-indicating. W. H. and W. L. D. Gundry | 11144 | 10 Nov. |
| Registering apparatus, Number- and weight-. J. Dallimore | 10701 | 20 June. |

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

| Invention and Name of Inventor. | No. | Date. |
|--|-------|-----------|
| Registering, numbering, and dating apparatus. G. S. Hickman | 10948 | 6 Sept. |
| Registering quantity measured, Apparatus for measuring liquids and. A. Aitken | 10899 | 23 Aug. |
| Regulating draught in open fireplace. C. Clayton | 10867 | 12 Aug. |
| Regulator for register grate, Valve. H. J. K. Foley | 10521 | 15 April. |
| Rein-holder. J. Hallett | 10516 | 16 April. |
| Rein-holder. J. Hallett | 10517 | 16 April. |
| Releasing device, Safety. T. Grundy | 10423 | 10 March. |
| Remedy for indigestion, constipation, &c. H. J. Beeche | 11004 | 28 Sept. |
| Remedy. (See also Cure, Medicine.) | | |
| Reservoir, Safety appliance for acetylene-gas generator or. J. Walker and G. H. Oatway | 10648 | 31 May. |
| Rheumatism, Cure for. M. F. Donaldson | 10824 | 26 July. |
| Riddle, Combined rotary pulveriser and. G. M. Fosbery and G. Fry | 10976 | 15 Sept. |
| Riding for building, Ventilating. J. H. Blackwood | 11024 | 26 Sept. |
| Riding-gear for ploughs, Levers and. P. and D. Duncan (Limited) | 10715 | 21 June. |
| Riding-saddle. H. Hitchcock | 10342 | 4 Feb. |
| Rim for wheel, Elastic tire and. P. Ambjörn, Comte de Sparre | 11266 | 23 Dec. |
| Rim, Holding cover of tube to. J. Cottrell | 10284 | 13 Jan. |
| Rim, Securing single-tube pneumatic tire in. S. Macdonald | 10496 | 7 April. |
| Rim, Wheel. C. K. Welch | 11076 | 5 July.* |
| Ripples, Gold-saving. A. H. Shury | 11230 | 10 Dec. |
| River-beds, Apparatus for raising mud, &c., from. G. Poll | 10353 | 12 Feb. |
| Roadways, Method of paving streets and. W. Anderson | 10973 | 15 Sept. |
| Roasting and drying quartz, &c. J. Harrison | 10989 | 21 Sept. |
| Roasting furnace, Ore-. W. A. Koneman and W. H. Hartley | 11019 | 29 Sept. |
| Rock, Method of and apparatus for breaking. T. A. Edison | 11069 | 17 Oct. |
| Rock-crusher. B. R. Seabrook and J. R. Brown | 10264 | 6 Jan. |
| Rock-drill. H. R. and H. L. Hancock | 10775 | 14 July. |
| Rock-drilling machine. R. P. Elmore | 11104 | 29 Oct. |
| Rocking-cap for chimneys. B. Roberts and T. Rose | 10582 | 10 Aug. |
| Rocks, &c., Apparatus for breaking up or cutting. F. Lobnitz | 10977 | 15 Sept. |
| Roller-bearings. W. H. Woodcock | 10389 | 28 Feb. |
| Roller, Cambridge. T. E. Kilworth | 10484 | 5 April. |
| Roller-mill for crushing quartz. W. P. Wynne | 10944 | 5 Sept. |
| Roller washing-machine for flax, &c. W. Fairweather | 10519 | 15 April. |
| Rolling, and lithographic machines, Self-feeder for ruling, printing. F. W. Vickery | 10504 | 14 April. |
| Rolling-stock, Means for altering gauge of railway. L. Pearce | 10710 | 21 June. |
| Rolling-stock, Railway or tramway. E. Smethurst | 10375 | 19 Feb. |
| Rolling-stock, Slack-adjuster for brake-gear of railway. F. W. Selley and W. H. Nisbet | 11112 | 31 Oct. |
| Rolls. T. A. Edison | 11070 | 17 Oct. |
| Roof. G. W. Darvall | 11182 | 24 Nov. |
| Roofing-tile, and press for making same. T. Köhler | 10843 | 5 Aug. |
| Rooms, Air-cooler for lowering temperature of. W. Cooper | 10327 | 24 Jan. |
| Rotary cutting-machine for sheep-shearing purposes. O. J. Meacock and H. Penn | 10605 | 19 May. |
| Rotary cutting-machine for wool-cutting and other purposes. J. H. Silley and W. Bacon | 10699 | 18 June. |
| Rotary engine. T. B. Howard and W. H. Burton | 10419 | 4 March. |
| Rotary engine. T. B. Howard and W. H. Burton | 10481 | 1 April. |
| Rotary engine. R. M. Murie | 10894 | 20 Aug. |
| Rotary motor. C. F. C. Lohmann | 10889 | 19 Aug. |
| Rotary motor or pump. G. Westinghouse | 10564 | 5 May. |
| Rotary pulveriser and riddle. G. M. Fosbery and G. Fry | 10976 | 15 Sept. |
| Rotary steam-, gas-, or oil-engine. J. Wilkins and W. H. Burton | 11238 | 13 Dec. |
| Rotary steam-, gas-, or oil-engine, Piston-wheel. P. M. Dewar and J. Wilkins | 10813 | 21 July. |
| Rotary steam-, gas-, or oil-engine, Piston-wheel. P. M. Dewar and J. Wilkins | 10912 | 23 Aug. |
| Rotary wool-cutting machine. J. H. Silley and W. Bacon | 10699 | 18 June. |
| Rubber- or guttapercha-like substance, Process for forming a. C. Ives | 10900 | 4 Feb.* |
| Rubber tire. W. H. Humphreys | 10584 | 13 May. |
| Rubber tire. A. E. Hulls | 10953 | 8 Sept. |
| Rudder, Method of shipping boat. F. Hull | 10696 | 13 June. |
| Rudder, Method of shipping boat. F. Hull | 10846 | 2 Aug. |
| Ruling, printing, rolling, and lithographic machines, Self-feeder for. F. W. Vickery | 10504 | 14 April. |
| Rusticated board. G. G. Schwartz | 10531 | 26 April. |
| Sack sewing-machine, Filled. A. T. Timewell | 10794 | 19 July. |
| Sacks or bags when full, Sewing-machine for sewing mouths of. J. Crook and E. Whitehead | 10906 | 20 Aug. |
| Saddle for velocipede. D. M. B. H. Cochrane | 10261 | 5 Jan. |
| Saddle-tree, Method of covering seat of. J. I. Knight | 10722 | 21 June. |
| Saddles, Improvements in horse-collars and. H. Hitchcock | 10342 | 4 Feb. |
| Saddle. (See also Seat.) | | |
| Safe. J. Mercer | 10377 | 18 Feb. |
| Safe, Meat- and provision-. R. H. Bishop and C. J. Axten | 10790 | 18 July. |
| Safety appliance for acetylene-gas generator or reservoir. J. Walker and G. H. Oatway | 10648 | 31 May. |
| Safety-grip for lifts, elevator-cars, cages, &c. T. B. Jacobsen | 10796 | 20 July. |
| Safety releasing device. T. Grundy | 10423 | 10 March. |
| Sales of goods, Method of and book for checking. D. G. Brown | 10275 | 11 Jan. |
| Sash-fastener. W. J. Alexander | 10665 | 8 June. |
| Sash fastener, Window-. H. Maclachlan and J. W. Lahey | 10719 | 24 June. |
| Sash fastener, Window-. A. Y. Ross and J. Roland | 10473 | 28 March. |
| Sash-hanger and rack. W. J. Alexander | 10664 | 8 June. |
| Sash-lines, Fastening. S. Soffe | 10351 | 12 Feb. |
| Sash, Preventing rain driving under. W. H. Taylor | 10678 | 27 June. |
| Sash. (See also Window-sash.) | | |
| Saucepan and lid. J. W. McDougall | 10811 | 24 Jan. |
| Saving gold. (See Gold.) | | |
| Saw-bench, Feed-gear for. G. A. Gamman | 10830 | 30 July. |
| Saw-bench gauge for gauging size of timber. R. A. McLeod | 10827 | 27 July. |
| Scale attachment to compasses for defining distances between points of legs. D. Whitburn | 11145 | 7 Nov. |
| Scaler, Fish-. R. and E. P. Aitken | 10608 | 20 May. |

ALPHABETICAL LIST OF TITLES OF INVENTIONS—continued.

| Invention and Name of Inventor. | No. | Date. |
|---|-------|---------------|
| Scaling fish, Apparatus for. C. C. A. Hall | 10452 | 22 March. |
| Scent or musk-like substance, Method for producing an artificial. The Anglo-Colonial Chemical Company (Limited) | 10672 | 10 June. |
| Score in cricket-match, Recording. J. W. Bindon | 11055 | 13 Oct. |
| Scraper, Metal-pipe. S. Crawshaw | 10476 | 2 April. |
| Soreen and draught-increaser for fire-grates. W. H. Birch | 10505 | 14 April. |
| Screen, Ventilating- and cooling-, for maltheuses, dairies, &c. H. E. Duncan | 10592 | 13 May. |
| Screening-machine, Puddling- and. R. Cockerell | 11152 | 10 Nov. |
| Scrubbing-, shoe-, or stove-brush. H. G. Williams, A. Broad, and C. G. Crolly | 10526 | 21 April. |
| Scrub-brush. S. G. Roseman | 10418 | 9 March. |
| Scutcher attachment. T. Anderson | 10908 | 17 Aug. |
| Scutching-machine. J. Cornwell | 10721 | 21 June. |
| Seal, Bottle and. J. H. Moore | 11054 | 11 Oct. |
| Sealing or hermetically closing jars, &c. T. H. and M. B. Dodd | 11198 | 28 Nov. |
| Seaman's palm, Thimble or. J. Pomeroy and M. G. Raymond | 10694 | 13 June. |
| Seaming-machine, Sheet-metal. E. Norton | 10984 | 17 Sept. |
| Seat applicable as a velocipede-saddle, Yielding. D. M. B. H. Cochrane | 10261 | 5 Jan. |
| Seat of saddle-tree, Method of covering. J. I. Knight | 10722 | 21 June. |
| Seat, Water-closet. A. S. and W. H. Ballinger | 10840 | 4 Aug. |
| Securing an article to a stand, Device for. W. M. Tyers | 10555 | 4 May. |
| Securing cow's leg whilst being milked. E. P. Shanasy | 10609 | 20 May. |
| Securing rails, decking, platforms, and the like, Spike and holdfast for. F. Baker | 10919 | 29 Aug. |
| Seed- and manure-drill, cultivator, and furrower, Hoing and combination. C. Clarke | 10270 | 29 Dec., '97 |
| Seed cleaning and separating machine, Grain and. H. House | 11088 | 19 Oct. |
| Seed-cleaning machinery. W. Andrews and A. W. Beaven | 11149 | 10 Nov. |
| Seed-dressing machine, Supplementary dresser for. J. Greenslade | 10495 | 7 April. |
| Seed-drill, Fertiliser-distributor for. W. E. Hughes | 10921 | 29 Aug. |
| Seed-sowing implement. D. R. Mathias | 10743 | 1 July. |
| Seed and applying manure, Apparatus for sowing. J. Gordon-Jones | 10855 | 9 Aug. |
| Seed, Treating cotton-. J. C. W. Stanley | 10562 | 5 May. |
| Separated milk for obtaining milk proteids, and their utilisation for alimentary purposes, Treatment of. H. Higgins | 10726 | 27 June. |
| Separation, Method of and apparatus for magnetic. Metallurgische Gesellschaft | 10594 | 17 May. |
| Separator. I. P. B. Knudsen | 10491 | 7 April. |
| Separator, Bowl or drum for centrifugal. R. A. Lister and Co. (Limited) | 10671 | 10 June. |
| Separator, Dry-ore concentrator and. R. E. and E. Waugh | 10559 | 5 May. |
| Separator for treating minerals, Hydraulic. W. S. Lockhart | 10809 | 25 July. |
| Separator, Magnetic ore-. G. J. Crean | 10424 | 10 March. |
| Separator, potato digger, bagger, and. A. M. Waters | 11154 | 14 Nov. |
| Setting cutters of sheep-shearing machine, Method of sharpening or. A. Melchior | 11207 | 1 Dec. |
| Sewing-machine, Filled-sack. A. T. Timewell | 10794 | 19 July. |
| Sewing-machine, Pedal-gearing for. A. H. Light | 10554 | 27 April. |
| Sewing mouths of bags or sacks when full, Machine for. J. Crook and E. Whitehead | 10906 | 20 Aug. |
| Sewing-thimble. W. C. Robison and C. L. and T. H. R. Gardiner | 10744 | 4 July. |
| Shaft-sinking, Mining-cage extension-frame for. J. E. Wearne | 10654 | 6 June. |
| Sharpening or setting cutters of sheep-shearing machine, Method of. A. Melchior | 11207 | 1 Dec. |
| Shearing-machine. A. Howard | 11256 | 20 Dec. |
| Shearing-machine, Method of sharpening or setting cutters of. A. Melchior | 11207 | 1 Dec. |
| Shearing-machine motor. A. Parker | 10733 | 29 June. |
| Shearing machine, Sheep-. E. Becker | 11197 | 28 Nov. |
| Shearing machine, Sheep-. A. Melchior | 11206 | 1 Dec. |
| Shearing or clipping machine, Sheep. J. Alders | 10511 | 14 April. |
| Shears. (See Sheep-shears.) | | |
| Sheep, bales, &c., Brand for branding. G. Lambert | 10565 | 6 May. |
| Sheep-brand. G. Renner and W. H. Boyens | 10328 | 28 Jan. |
| Sheep-brand. G. Renner and W. H. Boyens | 11228 | 12 Dec. |
| Sheep-branding composition. G. H. Kemp | 10387 | 26 Feb. |
| Sheep-, cattle-, or horse-brand. C. E. Young, W. C. Greig, and J. F. Day | 10838 | 15 Sept. |
| Sheep-shearing machine. E. Becker | 11197 | 28 Nov. |
| Sheep-shearing machine. A. Melchior | 11206 | 1 Dec. |
| Sheep-shearing machine, Method of driving. A. Parker | 10611 | 21 May. |
| Sheep-shearing machine, Method of sharpening or setting cutters of. A. Melchior | 11207 | 1 Dec. |
| Sheep shearing or clipping machine. J. Alders | 10511 | 14 April. |
| Sheep-shearing, Rotary cutting-machine for. O. J. Meacock and H. Penn | 10606 | 19 May. |
| Sheep-shears, Method of and apparatus for operating machine. McLeod Improved Sheep-shears Company (Limited) | 10470 | 31 March. |
| Sheet-metal box, Apparatus for making. T. L. Carbone | 10587 | 12 May. |
| Sheet-metal seaming-machine. E. Norton | 10984 | 17 Sept. |
| Shell for artillery purposes, Dynamite-. J. Arnaboldi | 10971 | 10 Sept. |
| Shield or guard for handles of axes, &c. F. Baker | 10880 | 17 Aug. |
| Shipping boat-rudder, Method of. F. Hull | 10696 | 13 June. |
| Shipping boat-rudder, Method of. F. Hull | 10846 | 2 Aug. |
| Ships, Means for raising sunken. M. M. J. O. O'Conor | 11124 | 18 Nov., '97* |
| Shoe, Cycling- or walking-. H. Corrick | 11136 | 10 Nov. |
| Shoe-fastener. W. W. Cabena | 10390 | 28 Feb. |
| Shoe-fastener. W. W. Cabena | 11080 | 20 Oct. |
| Shoe. (See also Boot, Horse-shoe, Slipper.) | | |
| Shoe-, or stove-brush, Scrubbing-. H. G. Williams, A. Broad, and C. G. Crolly | 10526 | 21 April. |
| Shutters, Hanging and fastening. A. Y. Ross and J. Roland | 10473 | 28 March. |
| Signalling apparatus, Railway. W. Brierley | 10303 | 21 Jan. |
| Signalling-lamp, Hand. G. A. Pearson | 10770 | 12 July. |
| Signs, Advertising-. N. L. Baird and H. L. Ives | 10465 | 7 April. |
| Sill, Door-. W. Maddar | 10285 | 15 Jan. |
| Silt-ejector for tanks and cisterns. S. Oxenham | 10816 | 22 July. |
| Silt-punt. G. B. Beere | 10337 | 1 Feb. |

ALPHABETICAL LIST OF TITLES OF INVENTIONS—continued.

| Invention and Name of Inventor. | No. | Date. |
|---|-------|--------------|
| Silt-punt, Self-discharging bottom for. J. Grant | 10615 | 19 May. |
| Silver. (See Gold and Silver.) | | |
| Siphon for water-closet cistern. W. Barlass | 10371 | 19 Feb. |
| Siphon oil-lubricator. J. Anderson | 10334 | 31 Jan. |
| Siphon, Water-closet. H. G. Bedell and J. Welsby | 11095 | 25 Oct. |
| Skate, Monocycle. J. Galbraith | 10877 | 12 Aug. |
| Skating, Encycle for road-. J. Galbraith | 10940 | 27 Aug. |
| Skating, Appliance for use in teaching cycling, swimming, and. A. L. J. Tait | 10783 | 15 July. |
| Skins, hides, leather, &c., Machinery for treating. J. Hall | 10646 | 2 June. |
| Skins, hides, leather, &c., Machinery for treating. J. Hall | 11202 | 1 Dec. |
| Skins, Machine for removing hair and wool from. J. Murgatroyd | 10716 | 22 June. |
| Skins, Method of preserving and tawing. U. de Gunzburg | 10534 | 27 April. |
| Skins, Process for preparing. F. Grognet | 11162 | 15 Nov. |
| Skins, Process of and apparatus for depilating hides and. J. C. E. Roberts and J. Bailey | 10307 | 21 Jan. |
| Skins, Treating hides and. J. K. Tullis | 10918 | 29 Aug. |
| Skirt, Cycling-. C. Gibbs | 10570 | 6 May. |
| Skirt-supporting attachment to corsets. G. H. Cain | 11205 | 1 Dec. |
| Skutching- and heckling machine, Water. W. and A. Ross | 10591 | 13 May. |
| Skylight. H. G. Bedell and J. Welsby | 10761 | 8 July. |
| Slack-adjuster for brake-gear of railway rolling-stock. F. W. Selley and W. Holmes | 11112 | 31 Oct. |
| Slags or residues, Recovery of zinc from. The Smelting Corporation (Limited) | 11219 | 8 Dec. |
| Slash or billhook. G. Lovell | 11115 | 27 Oct. |
| Sleevelet. C. Malcolm | 10776 | 16 July. |
| Slide-valve, Apparatus for calculating. P. Ellis and A. A. Whitelaw | 11211 | 5 Dec. |
| Slimes and tailings for precious metals, Treating. T. J. Denny | 10509 | 14 April. |
| Slimes, Apparatus for collecting and sedimenting auriferous. J. Wales | 10689 | 14 June. |
| Slimes, Electrolytical treatment of. H. Riecken | 10848 | 6 Aug. |
| Slimes, &c., Filtering apparatus for separating solutions from tailings. A. M. Nicholas | 11049 | 10 Oct. |
| Sling, Horse-. C. Anderson and T. A. Wrenn | 10398 | 1 March. |
| Slip-sole. D. E. and F. W. Smith | 10862 | 10 Aug. |
| Slipper. (See Boot.) | | |
| Sluicing, Damming back water from alluvial ground to facilitate hydraulic elevating and. A. Smith | 10870 | 15 Aug. |
| Smelting minerals, ores, &c., containing lead and zinc. G. H. Blenkinsop | 10332 | 31 Jan. |
| Smelting, Process for preparing ironsand for. R. A. Paterson and G. Pott | 10667 | 9 June. |
| Smoke-consumer and fuel-economizer. G. H. Hope | 10895 | 20 Aug. |
| Smoke-consumer, Spark-extinguisher and. J. Shepherd | 10872 | 15 Aug. |
| Smoke-preventer for register grate, Draught-concentrator and. E. Shadgett | 10815 | 26 July. |
| Soap, Appliance for holding, while dissolving. F. J. Leonard and G. B. Hutton | 10269 | 31 Dec., '97 |
| Soap, Process and apparatus for manufacturing. A. and C. des Cressonnières | 10448 | 19 March. |
| Soapsuds, distilled grease, &c., Treating wool-grease. Lanosoap (Limited) | 11016 | 29 Sept. |
| Soaps, confectionery, &c., Brand for. J. H. Dalton | 11077 | 11 Oct. |
| Sole, Slip-. D. E. and F. W. Smith | 10862 | 10 Aug. |
| Sole, Watertight boot-. E. Sprey | 10363 | 12 Feb. |
| Solutions from auriferous ores, Mode of and apparatus for decanting. J. J. Deeble | 10687 | 13 June. |
| Sorting potatoes, Apparatus for. D. R. Mathias | 10623 | 23 May. |
| Sowers, Feed for agricultural drills and. J. Keir | 10916 | 26 Aug. |
| Sowing implement, Seed-. D. R. Mathias | 10743 | 1 July. |
| Sowing seeds and applying manure, Apparatus for. J. Gordon-Jones | 10855 | 9 Aug. |
| Spanner for hose-couplings. W. Juriss | 10358 | 12 Feb. |
| Spark-arrester. H. S. Krichauff and W. Rufus | 10818 | 27 July. |
| Spark-catcher, Funnel and. A. L. J. Tait | 11063 | 11 Oct. |
| Spark-extinguisher and smoke-consumer. J. Shepherd | 10872 | 15 Aug. |
| Spark-extinguisher for engines. J. Speight | 10348 | 11 Feb. |
| Sparrow-trap. J. Hopkins | 10999 | 24 S. pt. |
| Spectacle for timber-jack. H. Priestley | 10878 | 13 Aug. |
| Speed-governor and clutch-gear. T. G. Howden | 10533 | 27 April. |
| Speed-increasing device for velociped-rider. D. Scott | 10636 | 30 May. |
| Spike and holdfast for securing rails, decking, platforms, &c. F. Baker | 10919 | 29 Aug. |
| Spirit from kauri-gum refuse, Process and apparatus for extracting oil and. E. C. Trevor | 11181 | 22 Nov. |
| Splicer, Wire strainer and. C. H. Ensor | 10382 | 21 Feb. |
| Split pulley. H. Wilson and T. Mant | 11222 | 8 Dec. |
| Spoke-flange for holding wheel-spokes in position. W. G. and E. A. Crossley | 11150 | 8 Nov. |
| Spouting. T. Hoare | 10969 | 9 Sept. |
| Spouting, Clip-bracket for. T. Ballinger and W. Milligan | 10956 | 9 Sept. |
| Spouting dies, Beading-. H. G. Bedell | 10915 | 29 Aug. |
| Spouting guard, House-. S. Oxenham | 10817 | 21 July. |
| Spouting-gutter and valley. T. Hoare | 11091 | 19 Oct. |
| Spring balance and ready reckoner. W. S. Andrews and J. Boock | 11118 | 2 Nov. |
| Spring, Gig-. G. Sigley | 10893 | 18 Aug. |
| Spring, Trap- and buggy-. J. Robin | 11169 | 19 Nov. |
| Spur-gearing for driving bicycle. T. H. Austin and J. Mikoz | 10967 | 7 Sept. |
| Stacking goods or merchandise, Apparatus for lifting, loading, and. A. Sell | 10929 | 31 Aug. |
| Stamper battery. M. Weber | 11178 | 22 Nov. |
| Stamps for crushing quartz, Lifting and directing battery-. R. Cockerell | 10580 | 29 April. |
| Stand, Bicycle-. A. J. Cuming | 10677 | 11 June. |
| Stand, Blackboard-. G. Howe and E. Larcomb | 10941 | 3 Sept. |
| Stand, Device for securing an article to. W. M. Tyers | 10555 | 4 May. |
| Stand, Umbrella-. S. Ritchie | 11199 | 24 Nov. |
| Standard, Fencing-. H. E. R. Rayner | 10683 | 13 June. |
| Standard for wire-fencing. P. Roach | 11210 | 2 Dec. |
| Standards, Means of securing fencing-wires to. E. Smethurst and W. C. Greig | 10467 | 24 March. |
| Staple, Fencing-. C. J. E. Chubbin | 10414 | 8 March. |
| Star-ch mixture. E. K. Dinsmore | 10314 | 19 Jan. |
| Starting horse-races, Apparatus for. W. Adams | 11090 | 20 Oct. |
| Starting races, Clock for use in. H. Reynolds | 10884 | 29 Aug. |

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

| Invention and Name of Inventor. | No. | Date. |
|---|-------|---------------|
| Station-indicator for railway-carriage. W. C. and H. M. Dennes | 11037 | 7 Oct. |
| Stave protector and bung-hole bushing, Barrel-. A. Terry, jun. | 10820 | 23 July. |
| Steamboat, Steering apparatus for traction-engine or. J. Shepherd | 11236 | 13 Dec. |
| Steam boiler, Hot-water or. T. Danks | 10742 | 30 June. |
| Steam cooker. G. A. Amos | 10490 | 7 April. |
| Steam cooker. J. T. Love | 10637 | 31 May. |
| Steam-ejector for exterminating weeds, garden-pests, &c. A. Reynolds | 10896 | 18 Aug. |
| Steam-engine. C. C. Worthington | 11030 | 4 Oct. |
| Steam-engine, Governor for. D. Caithness | 10527 | 21 April. |
| Steam-, gas-, or oil-engine, Piston-wheel rotary. P. M. Dewar and J. Wilkins | 10813 | 21 July. |
| Steam-, gas-, or oil-engine, Piston-wheel rotary. P. M. Dewar and J. Wilkins | 10912 | 23 Aug. |
| Steam-, gas-, or oil-engine, Rotary. J. Wilkins and W. H. Burton | 11238 | 13 Dec. |
| Steam- or air-turbine, Method of operating. J. W. Paige and T. S. E. Dixon | 10561 | 5 May. |
| Steam-pipes and boilers, Compound for coating. D. R. S. Galbraith | 10276 | 7 Jan. |
| Steam, water, &c., under pressure, Apparatus for imparting a spiral motion to. J. H. Decent | 10366 | 17 Feb. |
| Steering apparatus for traction-engine or steamboat. J. Shepherd | 11236 | 13 Dec. |
| Steering-gear for velocipedes, Hand driving- and. J. Foster | 10379 | 22 Feb. |
| Stemming machine, Leaf-. W. E. Hughes | 10306 | 21 Jan. |
| Stemming tobacco-leaves, Machine for. G. P. and W. H. Butler | 10881 | 17 Aug. |
| Sterilised raw meat, Process for obtaining, in condition of powder. F. Grognet | 11161 | 15 Nov. |
| Stick, Copper-. J. H. Price | 11061 | 13 Oct. |
| Stock, Railway or tramway rolling-. E. Smethurst | 10375 | 19 Feb. |
| Stone, &c., Compound for manufacture of, cement. S. G. Kilminster | 10472 | 1 April. |
| Stool, Music cabinet. W. Angell | 11084 | 17 Oct. |
| Stop, Door-. H. Fullwood | 10920 | 29 Aug. |
| Stopper and fastening for bottles, jars, casks, &c. J. J. Shuttleworth | 11179 | 23 Nov. |
| Stopping machinery, Device for checking and. W. H. Grey and W. H. Parsons | 10685 | 13 June. |
| Stove. W. Congreve | 10289 | 13 Jan. |
| Stove-brush, Scrubbing-, shoe-, or. H. G. Williams, A. Broad, and C. G. Crolly | 10526 | 21 April. |
| Stove, Gas-. T. C. Wilson | 10274 | 7 Jan. |
| Stove. (See also Range.) | | |
| Strainer for tank, Water-. S. Oxenham | 10804 | 20 July. |
| Strainer. (See Fencing, Wire-strainer.) | | |
| Streets and roadways, Method of paving. W. Anderson | 10973 | 15 Sept. |
| Stretcher, Ambulance. H. Desmond | 11243 | 14 Dec. |
| Stretcher-bed and bedstead. J. Morris | 10409 | 5 March. |
| Stripper, beating-bar, and feed-mouth, Flax-. W. Fairweather | 10518 | 15 April. |
| Stump-extractor. J. Drummond | 10981 | 17 Sept. |
| Stump extractor, Tree-. J. L. Anderson | 10951 | 8 Sept. |
| Stumps, Cricket-. A. T. Robertson | 10949 | 8 Aug. |
| Submarine telescope. T. W. May | 10655 | 1 June. |
| Substitute for wood, iron, &c. E. Kingscote | 11265 | 23 Dec. |
| Suint of fleeces, Saving potash from. E. H. Barber | 11116 | 29 Oct. |
| Sulphide ores, Treating refractory. F. Eilershausen | 10933 | 1 Sept. |
| Sun-blind, Bamboo. J. J. Macky | 10315 | 20 Jan. |
| Sunshade for windows and doors. A. Y. Ross | 11120 | 29 Oct. |
| Sunken ships, &c., Means for raising. M. M. J. O. O'Connor | 11124 | 18 Nov., '97* |
| Support, Abdominal. L. E. Abercrombie | 10909 | 24 Aug. |
| Support, Bicycle-. R. S. McFarland and G. K. Askin | 10718 | 22 June. |
| Support, Bicycle-. G. W. Newson and J. P. Harris | 10892 | 19 Aug. |
| Surgical purposes, Powder-introducing appliance for curative and. Silenette Proprietary (Limited) | 10952 | 8 Sept. |
| Suspending drapery goods, Apparatus for. I. Harrison | 10281 | 13 Jan. |
| Swimming, and skating, Appliance for use in teaching cycling. A. L. J. Tait | 10783 | 15 July. |
| Swine, Preparation for rendering, proof against swine-fever. G. Lorenz | 10932 | 1 Sept. |
| Swingle-tree. W. K. Elder and J. J. Parker | 10788 | 12 July. |
| Swingle-trees for ploughs, Mountings of. C. A. Arnaboldi | 10717 | 22 June. |
| Switch for overhead rails, Point or. J. Hudson and F. Cooper | 10397 | 1 March. |
| Table, Circular billiard-. W. H. Chapman and T. Falvey | 10522 | 16 April. |
| Table combined, Billiard- and dining-. D. McKenzie | 10994 | 19 Sept. |
| Table for brickmaking, Wire-cutting side-delivery. J. S. Laurie and E. L. Clark | 10610 | 16 May. |
| Table-lamp, Acetylene. W. Tyree | 10417 | 7 March. |
| Table, Percussion-. R. F. and G. A. Waller | 11170 | 21 Nov. |
| Tack-holder, for holding tacks while being driven. S. Whitburn | 10858 | 5 Aug. |
| Tailing, and ear-marking instrument, Combined castrating. F. A. Macdonald | 11026 | 27 Sept. |
| Tailing instrument, Castrating and. W. G. Searle | 10451 | 19 March. |
| Tailing instrument, Castrating and. H. W. Acton-Adams | 10407 | 3 March. |
| Tailings, slimes, &c., Filtering apparatus for separating solutions from. A. M. Nicholas | 11049 | 10 Oct. |
| Tailings, Treating slimes and, for precious metals. T. J. Denny | 10509 | 14 April. |
| Tallow-lamp. A. R. Jones | 10547 | 29 April. |
| Tank and truck for use with digesters, &c., Tip-. J. Macalister | 10866 | 10 Aug. |
| Tank or cistern, Silt-ejector for. S. Oxenham | 10816 | 22 July. |
| Tank, Water-strainer for. S. Oxenham | 10804 | 20 July. |
| Tap-filter, Faucet- or. A. Y. Ross | 11133 | 18 Nov. |
| Tap for kerosene-tins, Draw-off. D. C. Jenkins | 11031 | 5 Oct. |
| Tap, Milk-. A. Harvey | 11167 | 14 Nov. |
| Tap or valve. J. Harrow | 10847 | 5 Aug. |
| Target. W. Parnall and T. B. Burns | 10585 | 13 May. |
| Target-carrying frame and indicator. J. W. Porter | 11007 | 28 Sept. |
| Tawing skins, Method of preserving and. U. de Gunzburg | 10534 | 27 April. |
| Tea kettle. E. C. Millard | 11186 | 25 Nov. |
| Teat-cup for milking-machine, Pulsating. The Pulsator Milking-machine Company (Limited) | 10543 | 26 April. |
| Teat-cup for milking-machine, Pulsating. The Pulsator Milking-machine Company (Limited) | 10666 | 6 June. |
| Telegraph fire-alarm apparatus, Automatic code for. R. Pearson | 11269 | 28 Dec. |
| Telegraphic transmitting and receiving apparatus. B. Hoffmann | 10459 | 23 March. |
| Telescope, Submarine. T. W. May | 10655 | 1 June. |

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

| Invention and Name of Inventor. | No. | Date. |
|---|-------|---------------|
| Tell-tale clock attachment. O. Draeger and S. I. Villiers | 10802 | 22 July. |
| Temperature of rooms, &c., Air-cooler for lowering. W. Cooper | 10327 | 24 Jan. |
| Thimble, or seaman's palm. J. Pomeroy and M. G. Raymond | 10694 | 13 June. |
| Thimble, Sewing-. W. G. Robison and C. L. and T. H. R. Gardiner | 10744 | 4 July. |
| Thread-carrier for loom. D. M. Seaton | 10502 | 14 April. |
| Thread-cutter and reel-holder. D. W. McLean | 11000 | 25 Oct. |
| Threader, Needle-. The Gem Needle-threader Company (Limited) | 11263 | 23 Dec. |
| Threshing-mill. J. R. Melville | 10684 | 13 June. |
| Tile, and press for making same, Roofing-. T. Köhler | 10843 | 5 Aug. |
| Tilt for casks, &c. W. N. E. Mason | 11246 | 19 Dec. |
| Timber-jack. D. Donald | 11028 | 1 Oct. |
| Timber-jack, Spectacle for. H. Priestley | 10878 | 13 Aug. |
| Timber, Saw-bench gauge for gauging size of. R. A. McLeod | 10827 | 27 July. |
| Time-recorder. J. and A. Dey | 11272 | 29 Dec. |
| Tin for carrying liquids. J. W. C. Taylor | 11002 | 23 Sept. |
| Tin handle, Kerosene-. T. B. Abbott | 11111 | 31 Oct. |
| Tin labelling and wrapping machine. S. Fyfe | 10443 | 18 March. |
| Tin labelling and wrapping machine. S. Fyfe and W. C. Peacock | 10869 | 10 June. |
| Tin, Combined dredge tumbler and. H. Quartier | 11065 | 13 Oct. |
| Tin-opener. C. Bristow | 10706 | 21 June. |
| Tins, &c., Draw-off tap for kerosene-. D. C. Jenkins | 11031 | 5 Oct. |
| Tins, Filling kerosene-lamps from. J. Harrison | 10550 | 2 May. |
| Tins, jars, bottles, &c., Machine for labelling. J. R. Bradley, H. Giles, and F. V. Sanderson | 10305 | 21 Jan. |
| Tip-tank and truck for use with digesters, &c. J. Macalister | 10866 | 10 Aug. |
| Tipping cigarettes. J. S. Beeman | 10447 | 19 March. |
| Tire. W. H. Humphreys | 10584 | 13 May. |
| Tire and rim for wheel, Elastic. P. Ambjörn, Comte de Sparre | 11266 | 23 Dec. |
| Tire and tire-cover. J. M. MacLulich | 10810 | 27 Nov., '97* |
| Tire and tire-cover, Cycle-. A. Golding | 10801 | 22 July. |
| Tire, Bicycle-. J. B. Speed | 11213 | 6 Dec. |
| Tire, Elastic. W. F. Williams | 10651 | 1 June. |
| Tire in rim, Securing single-tube pneumatic. S. Macdonald | 10496 | 7 April. |
| Tire, Leak-repairing composition for pneumatic. C. S. Howe and J. W. Langley | 10330 | 31 Jan. |
| Tire, Means for preventing puncture in pneumatic. A. J. Cuming | 10352 | 12 Feb. |
| Tire, Mud guard for pneumatic. S. Dunlop and G. H. Oatway | 10568 | 5 May. |
| Tire-pump. G. B. Gallup | 10852 | 8 Aug. |
| Tire, Puncture-closing composition for pneumatic. G. J. Betts and F. T. Bower | 10507 | 14 April. |
| Tire, Tool for removing and replacing cover of pneumatic. T. and H. Bennett | 11192 | 25 Nov. |
| Tire, Unpuncturable single-tube pneumatic. J. Kellie | 10763 | 7 July. |
| Tire. (See also Pneumatic tire, Rubber tire, Velocipede-tire, Wheel-tire.) | | |
| Tires, and fastenings therefor, Wheel-. The Leather Pneumatic Tire Company (Limited) | 10635 | 30 May. |
| Tires on bicycles, Spring axle for use with solid or rubber. C. C. Morris | 10673 | 7 June. |
| Titanic acid or titanium, Process and apparatus for extracting, from ironsand. A. Coubrough | 11036 | 7 Oct. |
| Toast-making appliance. J. J. F. Walker and J. Sutherland | 11062 | 13 Oct. |
| Toaster. J. P. Robertson | 10461 | 23 March. |
| Toasting bread, grilling meat, &c., Utensil for. G. M. Wright | 10908 | 25 Aug. |
| Toasting-fork. N. A. Nielsen | 10927 | 31 Aug. |
| Tobacco-cutting machine. A. H. Nathan | 10657 | 7 June. |
| Tobacco-cutting machine. F. L. Lorden and H. C. Trollope | 10737 | 1 July. |
| Tobacco-leaves, Machine for stemming. G. P. and W. H. Butler | 10881 | 17 Aug. |
| Tobacco-pipe. A. R. and J. Mackay | 10393 | 1 March. |
| Tobacco-pipe. J. Mackay | 10427 | 12 March. |
| Tobacco, Putting up. J. S. Beeman | 10441 | 18 March. |
| Toe-clip, Cycle-pedal. H. G. Bedell | 10361 | 16 Feb. |
| Toe-plate. R. Wilkinson | 10826 | 25 July. |
| Toilet articles, &c., Trunk for. W. Parker | 10392 | 25 Feb. |
| Toilet-mirrors, Method of mounting. D. Sykes | 11175 | 22 Nov. |
| Tongs, Fire-. G. Robinson | 10475 | 5 April. |
| Tool, Combination. A. Arnold | 11081 | 20 Oct. |
| Tool, Fencing-. H. Buckland | 10832 | 30 July. |
| Tool for handling tire-covers. T. and H. Bennett | 11192 | 25 Nov. |
| Toothache- or neuralgia-cure. M. L. Squire | 11059 | 13 Oct. |
| Top, Chimney-. B. Roberts and T. Rose | 10581 | 10 Aug. |
| Top, Chimney-. B. Roberts and T. Rose | 10876 | 10 Aug. |
| Torch. W. S. Rehtoul | 10413 | 7 March. |
| Torch-lamp. L. and F. A. Johnson | 10988 | 20 Sept. |
| Totalisator. W. F. James | 11103 | 29 Oct. |
| Toy cinematograph. P. Ellis and A. A. Whitelaw | 10627 | 27 May. |
| Traction-engine or steamboat, Steering apparatus for. J. Shepherd | 11236 | 13 Dec. |
| Traction-engines, Spark-extinguisher for railway- and. J. Speight | 10348 | 11 Feb. |
| Training horses, Brake for. A. le Fleming | 11085 | 17 Oct. |
| Tram-cars, An appliance to be attached to, for clearing the rails. J. Jennett and A. Allen | 10762 | 7 July. |
| Tramway rolling-stock, Railway or. E. Smethurst | 10375 | 19 Feb. |
| Tramway, Single-line. M. Davies | 10972 | 14 Sept. |
| Transmitting and receiving apparatus, Telegraphic. B. Hoffmann | 10459 | 23 March. |
| Transmitting-horn for phonograph. C. O. McCutcheon | 11194 | 24 Nov. |
| Transporting loads, Apparatus for raising, lowering, and. J. and J. R. Temperley | 10808 | 25 July. |
| Trap- and buggy-spring. J. Robin | 11169 | 19 Nov. |
| Trap, Animal-, fish-, or vermin-. W. and T. D. Bayliff and B. Draper | 11058 | 13 Oct. |
| Trap, Mouse- and rat-. J. T. Norton and D. Deavoll | 10363 | 10 Sept. |
| Trap, Rabbit-. A. Dreaver | 10958 | 9 Sept. |
| Trap, Sparrow-. J. Hopkins | 10999 | 24 Sept. |
| Trap-tongue protecting platform for rabbit-trap. G. J. Cooper | 11086 | 17 Oct. |
| Trapping rabbits, &c., Wire-netting fence for. W. A. S. Williamson | 11046 | 10 Oct. |
| Travelling-band. A. J. Cuming | 10309 | 19 Jan. |
| Tray attachment to bottle. J. P. Robertson | 10656 | 7 June. |

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

| Invention and Name of Inventor. | No. | Date. |
|---|-------|-----------|
| Tray for use in refrigeration of rabbits and hares. J. B. Zander and J. Cooke | 10621 | 26 May. |
| Tray, Waiting-. H. W. Gilles | 10745 | 5 July. |
| Treating wood, Apparatus for use in. S. E. Haskin | 10457 | 23 March. |
| Tree-stump extractor. J. L. Anderson | 10951 | 8 Sept. |
| Trees, Appliance for pruning. W. Pickup | 10552 | 3 May. |
| Trees, Appliance for pruning or cutting fruit-. W. Pickup | 10298 | 19 Jan. |
| Tricycle-crank, Bicycle- or. A. Mackay, J. Drummond, and M. and J. Christophersen | 10291 | 18 Jan. |
| Tricycle, Military. G. Paterson | 10295 | 19 Jan. |
| Trouser-protector for cyclist. A. M. Wix | 10354 | 12 Feb. |
| Trousers bagging at knees, Preventing. C. C. A. Hall | 10660 | 8 June. |
| Trousers fraying at heel, Preventing. C. C. A. Hall | 10551 | 3 May. |
| Truck for use with digesters, &c., Tip-tank and. J. Macalister | 10866 | 10 Aug. |
| Truck, Hinge for door of. C. E. Dean | 10408 | 5 March. |
| Trunk, Clothes-. W. Parker | 10392 | 25 Feb. |
| Trunk fastener, Travelling-. A. Ford | 11142 | 10 Nov. |
| Trunks, boxes, &c., Method of fastening and locking travelling. J. Roland | 11035 | 5 Oct. |
| Truss, Hernia-. W. R. C. Erson | 11106 | 26 Oct. |
| Truss, Pneumatic hernia-. W. R. C. Erson | 10980 | 13 Sept. |
| Tub, Wash-. A. L. J. Tait | 10428 | 4 March. |
| Tub, Wash-. W. Parker | 10577 | 6 May. |
| Tubes to rims, Holding covers of pneumatic. J. Cottrell | 10284 | 13 Jan. |
| Tubulous boiler. G. Scott | 10823 | 28 July. |
| Tumbler and tine combined, Dredge. H. Quertier | 11065 | 13 Oct. |
| Tumbler, Dredge-. W. Adams | 10954 | 3 Sept. |
| Turbine, Method of operating steam- or air-. J. W. Paige and F. S. E. Dixon | 10561 | 5 May. |
| Turner, Music-. W. H. Bryant | 10734 | 29 June. |
| Turner, Music-. A. M. Bain | 10946 | 5 Sept. |
| Turnips, &c., Machine for peeling and washing potatoes. C. Williams | 10839 | 2 Aug. |
| Twines, Method of manufacturing from flax yarns suitable for. W. and A. Ross | 10650 | 3 June. |
| Tyne. (See Tine.) | | |
| Typewriting-machine. T. Cahill | 10700 | 20 June. |
| Typewriting-machine. C. T. Powers | 11140 | 10 Nov. |
| Tyre. (See Tire.) | | |
| Umbrella-stand. S. Ritchie | 11199 | 24 Nov. |
| Umpire's register and indicator, Cricket. J. B. Allen | 11245 | 16 Dec. |
| Union, Hose-coupling or. J. Durward and K. Rowe | 11032 | 3 Oct. |
| Upper, Boot-, shoe-, or slipper-. S. Hemus | 10381 | 17 Feb. |
| Upper, Connection of boot-sole to. E. Sprey | 10363 | 12 Feb. |
| Utensil for grilling meat, toasting bread, &c. G. M. Wright | 10908 | 25 Aug. |
| Vacuum, Apparatus for exhausting air and producing a. M. Fink | 10772 | 14 July. |
| Vacuum, Lifting liquid by means of a partial. A. Johnston | 10391 | 25 Feb. |
| Vacuum-tube lighting, Apparatus for. Moore Electrical Company | 10774 | 14 July. |
| Vacuum-tube lighting, System of, and apparatus for use therein. Moore Electrical Company | 10773 | 14 July. |
| Valve, Flushing-. W. Andrews | 10803 | 22 July. |
| Valve for flushing water-closets and drawing off liquids. H. G. Bedell and J. Welsby | 11231 | 13 Dec. |
| Valve for motive engine, Induction-. A. Howard | 11255 | 20 Dec. |
| Valve for pump, Check-. D. C. Streeter | 10961 | 5 Sept. |
| Valve, Inflating-. G. E. Grimwood | 11001 | 20 Sept. |
| Valve-regulator for register grate. H. J. K. Foley | 10521 | 15 April. |
| Valve, Tap or. J. Harrow | 10847 | 5 Aug. |
| Valves, Apparatus for calculating slide-. P. Ellis and A. A. Whitelaw | 11211 | 5 Dec. |
| Vamping appliance. D. Dunn | 11107 | 31 Oct. |
| Vamping-chart. T. E. Carter | 10290 | 15 Jan. |
| Varnish, Process of manufacturing, from kauri-gum. R. C. Trevor | 10426 | 9 March. |
| Vegetable fibres, Process of removing gummy matters from. C. Wetherwax | 10993 | 22 Sept. |
| Vehicle, Auto-motor carriage or. W. J. Brewer and J. E. Cooper | 11229 | 12 Dec. |
| Vehicle-brake. E. Bartlett | 11251 | 20 Dec. |
| Vehicle motor and mechanism. J. Pender | 10406 | 2 March. |
| Vehicle, Motor road-. The Prétot Motor Syndicate (Limited) | 11021 | 29 Sept. |
| Vehicle, Movable body for two-wheeled. H. Miller | 11215 | 2 Dec. |
| Vehicles, Attaching horses to. G. W. Penney | 10355 | 14 Feb. |
| Vehicles, Means for preventing horses attached to, from running away. W. A. Ramsey | 10907 | 23 Aug. |
| Velocipede. B. Green | 11110 | 21 Oct. |
| Velocipede. G. Paterson | 10293 | 19 Jan. |
| Velocipede. G. Paterson | 10294 | 19 Jan. |
| Velocipede-brake. T. C. Morris | 10682 | 13 June. |
| Velocipede, Clip for securing pump to. The Dunlop Pneumatic Tire Company (Limited) | 10386 | 26 Feb. |
| Velocipede-crank. Ah Pat | 10709 | 21 June. |
| Velocipede driving-gear. A. T. Cavell and C. Royds | 10416 | 8 March. |
| Velocipede driving-gear. G. Tate and J. F. Heckler | 10758 | 7 July. |
| Velocipede, Hand driving- and steering-gear for. J. Foster | 10379 | 22 Feb. |
| Velocipede-riders, Speed-increasing device for. D. Scott | 10636 | 30 May. |
| Velocipede-saddle. D. M. B. H. Cochrane | 10261 | 5 Jan. |
| Velocipede-tire. G. E. Spicer | 10530 | 25 April. |
| Velocipede. (See also Bicycle, Cycle, Encycle, Monocycle, Tire, Tricycle, Velocipede, Wheel.) | | |
| Venetian blind, cornice, and curtain-pole combined. R. Cosslett | 10723 | 22 June. |
| Venetian blinds, Machine for painting. J. F. Brown | 10911 | 23 Aug. |
| Ventilating- and cooling-screen for malthouses, dairies, &c. H. E. Duncan | 10592 | 13 May. |
| Ventilating appliance. J. Leather | 11008 | 28 Sept. |
| Ventilating mines, Apparatus for. W. Asmus | 10323 | 27 Jan. |
| Ventilating ridging for building. J. H. Blackwood | 11024 | 26 Sept. |
| Ventilation, Improvements in window-sashes for. E. L. Evens | 10859 | 10 Aug. |
| Vermin-trap. W. and T. D. Bayliff and B. Draper | 11058 | 13 Oct. |
| Vessels from foundering, Collision-mat and repairing-gear for preventing. J. Donald | 11151 | 8 Nov. |
| Vulcanising and oxidizing fibrous materials for insulating purposes, Method and apparatus for. Volenite (Limited) | 11074 | 17 Oct. |

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

| Invention and Name of Inventor. | No. | Date. |
|---|-------|-----------|
| Wad, and process of manufacturing same, Cartridge- W. Jones | 11043 | 10 Oct. |
| Walking-shoe, Cycling- or. H. Corrick | 11136 | 10 Nov. |
| War-balloon. T. E. Tolleth | 10792 | 19 July. |
| Warmer, Bed- and foot-. F. B. Clapcott | 10306 | 15 July. |
| Warp-drawing machine. J. Clarke | 10431 | 15 March. |
| Wash-tub. A. L. J. Tait | 10428 | 4 March. |
| Wash-tub. W. Parker | 10577 | 6 May. |
| Washer, Flax-. J. Rutherford | 10668 | 8 June. |
| Washing and drying wool, Apparatus for. H. Ashworth | 10347 | 9 Feb. |
| Washing and leaching apparatus. R. Moodie | 10704 | 20 June. |
| Washing appliance, Clothes-. E. Corrick | 11119 | 2 Nov. |
| Washing, Appliance for shifting and draining clothes in process of. A. Batten | 10477 | 4 April. |
| Washing-board. H. T. Hamilton | 10841 | 4 Aug. |
| Washing-board and dolly combined. H. Cooper | 10890 | 19 Aug. |
| Washing-boiler, Flange for copper. J. Anderson | 10412 | 1 March. |
| Washing-machine. F. A. Colman | 10930 | 31 Aug. |
| Washing-machine. A. L. J. Tait | 11064 | 11 Oct. |
| Washing-machine. W. Drever | 11244 | 15 Dec. |
| Washing-machine. A. L. J. Tait | 11146 | 10 Nov. |
| Washing-machine for flax, &c., Roller. W. Fairweather | 10519 | 15 April. |
| Watch, Combination mirror and. F. L. Lorden and F. C. Stephenson | 11094 | 25 Oct. |
| Water, Apparatus for raising. J. Welsby and H. G. Bedell | 11045 | 10 Oct. |
| Water-cistern, Ball-cock for. H. G. Bedell and J. Welsby | 11096 | 25 Oct. |
| Water-closet cistern, Siphon for. W. Barlass | 10371 | 19 Feb. |
| Water-closet purposes, Apparatus for cutting paper for. F. J. Leonard | 10698 | 14 June. |
| Water-closet seat. A. S. and W. H. Ballinger | 10840 | 4 Aug. |
| Water-closet siphon. H. G. Bedell and J. Welsby | 11095 | 25 Oct. |
| Water-closets, Valve for flushing, and for drawing off liquids. H. G. Bedell and J. Welsby | 11231 | 13 Dec. |
| Water-filter. J. S. Allan | 10613 | 18 May. |
| Water-heater. F. Parsons and M. Nelson | 10434 | 9 March. |
| Waterproofing composition. G. F. Newman | 10483 | 4 April. |
| Water skutching- and heckling-machine. W. and A. Ross | 10591 | 13 May. |
| Water-strainer for tank. S. Oxenham | 10804 | 20 July. |
| Watertight boot-sole. E. Sprey | 10363 | 12 Feb. |
| Water under pressure, Apparatus for imparting a spiral motion to steam or. J. H. Decent | 10366 | 17 Feb. |
| Weaving, Method of manufacturing from flax yarns suitable for twines or. W. and A. Ross | 10650 | 3 June. |
| Wedge-grip for shaft-cages, lifts, &c. P. G. Kelly | 10868 | 2 Aug. |
| Weeding-hoe. A. Y. Ross | 10860 | 3 Aug. |
| Weeds, garden-pests, &c., Steam-ejector for exterminating. A. Reynolds | 10896 | 18 Aug. |
| Weighing-machine, Cost-indicating, registering, and weight-totalling apparatus for. W. H. and W. L. D. Gundry | 11144 | 10 Nov. |
| Weighing-machine, Hydraulic or aerostatic self-registering. J. E. Taylor | 11093 | 21 Oct. |
| Weight-registering apparatus, Number- and. J. Dallimore | 10701 | 20 June. |
| Welding, brazing, &c., Composition of carbons for electric. G. W. de Tunzelmann | 11195 | 26 Nov. |
| Whale-net. G. H. Cook | 10647 | 28 May. |
| Whaling-net, Wire. D. G. Lane | 11052 | 7 Oct. |
| Wheel and chain for cycles, Chain-. W. D. Verschoyle | 10936 | 31 Aug. |
| Wheel, Elastic tire and rim for. P. Ambjörn, Comte de Sparre | 11266 | 28 Dec. |
| Wheel-hub. J. W. Oliver | 10365 | 15 Feb. |
| Wheel, Key and key-bed for. R. Fairweather | 10705 | 20 June. |
| Wheel-rim. C. K. Welch | 11076 | 5 July.* |
| Wheel-rim and means of securing pneumatic tube-cover thereto. J. Cottrell | 10284 | 13 Jan. |
| Wheel-spokes in position, Spoke-flange for holding. W. G. and E. A. Crossley | 11150 | 8 Nov. |
| Wheel-tire. G. H. Clark | 10486 | 7 April. |
| Wheel-tire. C. K. Welch | 11075 | 4 May.* |
| Wheel-tires, and fastenings therefor. The Leather Pneumatic Tire Company (Limited) | 10635 | 30 May. |
| White ants, &c., Composition for destroying. W. Bain | 10789 | 14 July. |
| Wick, Lamp-. G. W. Newson | 10643 | 31 May. |
| Wick, Lamp-. G. W. Newson and J. P. Harris | 10753 | 5 July. |
| Wick, Lamp-. Albatross Mining and Prospecting Company (Limited) | 10785 | 18 July. |
| Winch, Clutches for dredge-. L. A. Reynolds | 10515 | 13 April. |
| Wind- and dust-stop for doors. E. A. Powell | 10382 | 17 Aug. |
| Windmill. A. H. O. Kempthorne | 11051 | 11 Oct. |
| Window-lock. R. Allan | 10724 | 27 June. |
| Window-lock. R. Allan | 11041 | 10 Oct. |
| Window-lock. J. Robertson | 11105 | 26 Oct. |
| Window-sash. W. Halstead | 10874 | 16 Aug. |
| Window-sash- and blind-balance. T. Andrew | 10950 | 8 Sept. |
| Window-sash, Apparatus for fastening. H. Maclachlan and J. W. Lahey | 10719 | 24 June. |
| Window-sash for preventing catch on same being opened from outside. P. H. Basley | 10913 | 23 Aug. |
| Window-sash, Preventing rain driving under. W. H. Taylor | 10678 | 27 June. |
| Window-sashes, Device for preventing rattling of. J. Kennerley | 11164 | 11 Nov. |
| Window-sashes for ventilation, Improvements in. E. L. Evens | 10859 | 10 Aug. |
| Window-sashes, Method and apparatus for hanging and fastening. A. Y. Ross and J. Roland | 10473 | 28 March. |
| Window-stop. C. E. Dean | 11171 | 21 Nov. |
| Windows and doors, Sunshade for. A. Y. Ross | 11120 | 29 Oct. |
| Wire-cutting side-delivery table for brickmaking. J. S. Laurie and E. L. Clark | 10610 | 16 May. |
| Wire fabrics to bedsteads, &c., Attachment of. W. Waterhouse, T. W. Blantern, and W. M. Spriggs | 10388 | 28 Feb. |
| Wire-fencing. W. Edgerton | 10374 | 19 Feb. |
| Wire-fencing. (See also Fencing.) | | |
| Wire-fencing, Dropper for. E. Smethurst and R. W. Chapman | 10829 | 28 July. |
| Wire-fencing, Hanging dropper for. E. Smethurst | 10898 | 19 Aug. |
| Wire-grip for fencing. C. Williams | 10553 | 3 May. |
| Wire-netting fence for trapping rabbits. W. A. S. Williamson | 11046 | 10 Oct. |
| Wire-strainer. A. Braid | 10346 | 8 Feb. |

ALPHABETICAL LIST OF TITLES OF INVENTIONS—*continued.*

| Invention and Name of Inventor. | No. | Date. |
|--|-------|---------------|
| Wire-strainer. G. Coates | 10394 | 1 March. |
| Wire-strainer. G. Henderson | 10400 | 3 March. |
| Wire-strainer. W. Cooper | 10499 | 7 April. |
| Wire-strainer. F. T. Page | 10546 | 29 April. |
| Wire-strainer. G. Coates | 10589 | 14 May. |
| Wire-strainer. F. Henry | 10616 | 21 May. |
| Wire-strainer. G. Harvey | 10692 | 10 June. |
| Wire-strainer. J. Miller | 10732 | 29 June. |
| Wire-strainer. P. F. M. Burrows | 10923 | 29 Aug. |
| Wire-strainer. D. Donald | 11122 | 14 Nov. |
| Wire-strainer. P. F. M. Burrows | 11180 | 23 Nov. |
| Wire-strainer and fence-repairer. E. H. Schnackenberg | 10691 | 10 June. |
| Wire strainer and splicer. C. H. Ensor | 10382 | 21 Feb. |
| Wire-strainer, Ratchet and lever-key for operating. P. F. M. Burrows | 10922 | 29 Aug. |
| Wire-straining, Reel for. P. F. M. Burrows | 10883 | 18 Aug. |
| Wire whaling-net. D. G. Lane | 11052 | 7 Oct. |
| Wire-woven mattress. W. Hart | 10914 | 23 Aug. |
| Wood, Apparatus for use in treating. S. E. Haskin | 10457 | 23 March. |
| Wood fire-box, Coal, peat, or. R. Brinsley and P. S. B. Bett | 10819 | 23 July. |
| Wood-gas, Generating. W. H. Nichterlein | 10828 | 27 July. |
| Wood, iron, &c., Substitute for. E. Kingscote | 11265 | 23 Dec. |
| Wool and hair from skins, Machinery for removing. J. Murgatroyd | 10716 | 22 June. |
| Wool, Apparatus for washing and drying. H. Ashworth | 10347 | 9 Feb. |
| Wool-cutting machine, Rotary. J. H. Silley and W. Bacon | 10699 | 18 June. |
| Wool-drying, Appliance for use in. C. J. Olivecrona | 10693 | 16 June. |
| Wool, flax, &c., Apparatus for drying. A. Ross | 10590 | 12 May. |
| Wool-grease, soapsuds, distilled grease, &c., Treating. Lanosoap (Limited) | 11016 | 29 Sept. |
| Wool, hair, &c., Press for cotton. G. A. Lowry | 10787 | 19 July. |
| Wool, Machine for cutting hair or. J. W. Newall | 10599 | 17 May. |
| Wool-press. H. Sedcole | 10738 | 1 July. |
| Wool-press. E. McEwen | 10966 | 13 Sept. |
| Wool-press, Operating mechanism for. F. Blaxland and W. Willmott | 11113 | 31 Oct. |
| Wool-shearing. (See Shearing.) | | |
| Worts, Process for fermenting. J. Effront | 11066 | 17 Oct. |
| Wrapper or bag for preservation of frozen or fresh produce. F. A. Furlonge | 10485 | 7 April. |
| Wrapping machine, Tin labelling and. S. Fyfe | 10443 | 18 March. |
| Wrapping machine, Tin labelling and. S. Fyfe and W. C. Peacock | 10669 | 10 June. |
| Wrecks, Apparatus for ascertaining position of and raising sunken, and for use as a floating-dock. M. M. J. O. O'Conor | 11125 | 11 Dec., '97* |
| Wrench and nut. J. W. McDougall | 10277 | 11 Jan. |
| Wrench, Pipe-. F. Best | 11233 | 9 Dec. |
| Wringing-machine, Mangling- or. J. S. Smith | 11220 | 8 Dec. |
| Yarns for weaving, Rendering flax fibre ready to make into. W. and A. Ross | 10605 | 20 May. |
| Yarns from flax, Method of manufacturing. W. and A. Ross | 10650 | 3 June. |
| Yarns, Producing coloured. A. R. Donisthorpe and G. White | 10897 | 22 Aug. |
| Yeast, baker's dough, &c., Compound for use in making. J. T. Norton | 10970 | 13 Sept. |
| Yeast, Production of, and apparatus therefor. J. H. Folkerts | 10757 | 7 July. |
| Yolk of fleeces, Saving potash from. E. H. Barber | 11116 | 29 Oct. |
| Zinc, and lead, Treating complex ore for recovery of copper. G. de Bechi | 11226 | 10 Dec. |
| Zinc-bearing ores, Treating. S. O. Cowper-Coles | 11017 | 29 Sept. |
| Zinc, Recovery of, from slags or residues. The Smelting Corporation (Limited) | 11219 | 8 Dec. |
| Zinc, Smelting minerals and ores containing lead and. G. H. Blenkinsop | 10332 | 31 Jan. |
| Zinciferous lead-ores, Treating precipitated lead fumes and. F. Ellershausen | 11022 | 29 Sept. |

L.—ALPHABETICAL LIST OF APPLICANTS FOR REGISTRAT ON OF DESIGNS DURING THE YEAR 1898.

| Name and Address. | Number of Class. | Number of Design. | Date. |
|---|------------------|-------------------|---------------|
| Forbes, Elizabeth, Auckland, N.Z. | 3 | 96 | 18 March. |
| Grady, F., Wellington, N.Z. | 1 | 97 | 20 June. |
| Grazzini, C. R., Woolloomooloo, N.S.W. | 4 | 90 | 13 January. |
| Grazzini, W., Woolloomooloo, N.S.W. | 4 | 98 | 6 September. |
| Hepburn, H., Christchurch, N.Z. | 1 | 91 | 21 January. |
| Hepburn, H., Christchurch, N.Z. | 1 | 92 | 21 January. |
| Parkinson, W., Auckland, N.Z. | 1 | 94 | 18 February. |
| Parkinson, W., Auckland, N.Z. | 1 | 95 | 18 February. |
| Shilton, G. T., Greymouth, N.Z. | 2 | 99 | 27 September. |
| Whitaker, A., Christchurch, N.Z. | 5 | 93 | 15 February. |

M.—ALPHABETICAL LIST OF APPLICANTS FOR REGISTRATION OF TRADE MARKS DURING THE YEAR 1898.

| Name and Address. | No. of Class. | No. of Application. | Date. | |
|--|---------------|---------------------|-------|-----------|
| A. and A. News Company, Neutral Bay, Sydney, N.S.W. (See A. E. Berrill, No. 2293.) | .. | 42 | 2574 | 23 Dec. |
| Aguet, G., and others, London, England; Christiania, Norway; and Vevey, Switzerland | .. | 42 | 2575 | 23 Dec. |
| Aguet, G., and others, London, England; Christiania, Norway; and Vevey, Switzerland | .. | 42 | 2576 | 23 Dec. |
| Aguet, G., and others, London, England; Christiania, Norway; and Vevey, Switzerland | .. | 42 | 2577 | 23 Dec. |
| Alaska Packers Association, San Francisco, U.S.A. | .. | 42 | 2271 | 26 Feb. |
| Alaska Packers Association, San Francisco, U.S.A. | .. | 42 | 2272 | 26 Feb. |
| Alaska Packers Association, San Francisco, U.S.A. | .. | 42 | 2273 | 26 Feb. |
| Alaska Packers Association, San Francisco, U.S.A. | .. | 42 | 2274 | 26 Feb. |
| Alaska Packers Association, San Francisco, U.S.A. | .. | 42 | 2275 | 26 Feb. |
| Alaska Packers Association, San Francisco, U.S.A. | .. | 42 | 2276 | 26 Feb. |
| Alaska Packers Association, San Francisco, U.S.A. | .. | 42 | 2277 | 26 Feb. |
| Alaska Packers Association, San Francisco, U.S.A. | .. | 42 | 2278 | 26 Feb. |
| Alaska Packers Association, San Francisco, U.S.A. | .. | 42 | 2279 | 26 Feb. |
| Alaska Packers Association, San Francisco, U.S.A. | .. | 42 | 2280 | 26 Feb. |
| Alaska Packers Association, San Francisco, U.S.A. | .. | 42 | 2281 | 26 Feb. |
| Alaska Packers Association, San Francisco, U.S.A. | .. | 42 | 2282 | 26 Feb. |
| Alaska Packers Association, San Francisco, U.S.A. | .. | 42 | 2327 | 31 March. |
| Alaska Packers Association, San Francisco, U.S.A. | .. | 42 | 2338 | 14 April. |
| Alaska Packers Association, San Francisco, U.S.A. | .. | 42 | 2339 | 14 April. |
| Alaska Packers Association, San Francisco, U.S.A. | .. | 42 | 2350 | 27 April. |
| Alaska Packers Association, San Francisco, U.S.A. | .. | 42 | 2360 | 10 May. |
| Albatross Mining and Prospecting Company (Limited), Adelaide, S.A. | .. | 47 | 2446 | 19 Aug. |
| American Cereal Company, The, Chicago, U.S.A. | .. | 42 | 2467 | 7 Sept. |
| American Cereal Company, The, Chicago, U.S.A. | .. | 42 | 2468 | 7 Sept. |
| Anderson and Son, D., Wellington, N.Z. | .. | 42 | 2395 | 21 June. |
| Anderson and Son, D., Wellington, N.Z. | .. | 42 | 2396 | 21 June. |
| Antikamnia Chemical Company, The, St. Louis, U.S.A. | .. | 3 | 2512 | 29 Oct. |
| Apenta Actien-Gesellschaft, Buda-Pest, Hungary | .. | 44 | 2294 | 10 March. |
| Australasian Incandescent Gaslight Company (Limited), The, London, Eng. | .. | 18 | 2330 | 4 April. |
| Australis Puzzle Company, The, Christchurch, N.Z. | .. | 49 | 2337 | 13 April. |
| Bagley, A., Dunedin, N.Z. | .. | 47 | 2509 | 27 Oct. |
| Bagley, A., Dunedin, N.Z. | .. | 3 | 2510 | 27 Oct. |
| Baillie, J., Carterton, N.Z. | .. | 3 | 2381 | 2 June. |
| Baker Brothers, Wellington, N.Z. (See W. and R. Baker, Nos. 2334, 2385, 2561, 2562.) | .. | 44 | 2334 | 7 April. |
| Baker, R., and another, Wellington, N.Z. | .. | 43 | 2561 | 22 Dec. |
| Baker, R., and another, Wellington, N.Z. | .. | 44 | 2562 | 22 Dec. |
| Baker, R., and another, Wellington, N.Z. | .. | 42 | 2385 | 7 June. |
| Baker, W., and another, Wellington, N.Z. | .. | 44 | 2334 | 7 April. |
| Baker, W., and another, Wellington, N.Z. | .. | 43 | 2561 | 22 Dec. |
| Baker, W., and another, Wellington, N.Z. | .. | 44 | 2562 | 22 Dec. |
| Baker, W., and another, Wellington, N.Z. | .. | 42 | 2385 | 7 June. |
| Banks Peninsula Canning Company, The, Akaroa, N.Z. | .. | 42 | 2444 | 17 Aug. |
| Bartram and Son, J., Melbourne, Vic. | .. | 42 | 2347 | 21 April. |
| Bartram and Son, J., Melbourne, Vic. | .. | 42 | 2379 | 2 June. |
| Bartram and Son, J., Melbourne, Vic. | .. | 42 | 2380 | 2 June. |
| Bates, Sise, and Co., Dunedin, N.Z. | .. | 42 | 2349 | 25 April. |
| Bates, Sise, and Co., Dunedin, N.Z. | .. | 42 | 2536 | 2 Dec. |
| Beeche, H. J., Paeroa, N.Z. | .. | 3 | 2559 | 19 Dec. |
| Bernard and Co., Leith, Scotland | .. | 43 | 2372 | 30 May. |
| Bernard and Co., Leith, Scotland | .. | 43 | 2373 | 30 May. |
| Berrill, A. E., Neutral Bay, Sydney, N.S.W. | .. | 39 | 2293 | 10 March. |
| Bishop and Sons (Limited), A., London, Eng. | .. | 3 | 2292 | 9 March. |
| Black, R. S., Dunedin, N.Z. | .. | 42 | 2257 | 7 Feb. |
| Bodega Company (Limited), The, London, Birmingham, Liverpool, and Manchester, Eng. | .. | 43 | 2284 | 28 Feb. |
| Bostock, E., Stafford, Eng. | .. | 38 | 2249 | 21 Jan. |
| Bradbury and Co., R. A., Christchurch, N.Z. | .. | 38 | 2405 | 27 June. |
| Brown, Barrett, and Co., Auckland, N.Z. | .. | 42 | 2581 | 23 Dec. |
| Brown, Barrett, and Co., Auckland, N.Z. | .. | 42 | 2582 | 23 Dec. |
| Brown, Barrett, and Co., Auckland, N.Z. | .. | 42 | 2583 | 23 Dec. |
| Bugg, E. H., Hautere Cross, Wellington, N.Z. | .. | 42 | 2484 | 22 Sept. |
| Burt (Limited), A. and T., Dunedin, N.Z. | .. | 18 | 2366 | 17 May. |
| Canning, W. E., Melbourne, Vic. | .. | 13 | 2463 | 5 Sept. |
| Canterbury (N.Z.) Seed Company (Limited), Christchurch, N.Z. | .. | 42 | 2290 | 8 March. |
| Canterbury (N.Z.) Seed Company (Limited), Christchurch, N.Z. | .. | 46 | 2291 | 8 March. |
| Carter and Co., J., London, Eng. | .. | 42 | 2318 | 23 March. |
| "Carters," London, Eng. (See J. Carter and Co., No. 2318.) | .. | 43 | 2259 | 21 Feb. |
| Central Glenlivet Bonding Company, Carron, Strathspey, Scotland | .. | 43 | 2260 | 21 Feb. |
| Central Glenlivet Bonding Company, Carron, Strathspey, Scotland | .. | 3 | 2540 | 7 Dec. |
| Challoner, J., and another, Melbourne, Vic. | .. | 3 | 2540 | 7 Dec. |
| Chappell, Allen, and Co., Bristol, Eng. | .. | 38 | 2547 | 10 Dec. |
| Charlton, J. R., Christchurch, N.Z. | .. | 2 | 2452 | 24 Aug. |
| Chaytor, J. C., Marshlands, Blenheim, N.Z. | .. | 4 | 2429 | 4 Aug. |
| Chipman, H. S., Sydney, N.S.W. | .. | 7 | 2496 | 29 Sept. |
| Chipman, H. S., Sydney, N.S.W. | .. | 42 | 2527 | 21 Nov. |
| Chipman, H. S., Sydney, N.S.W. | .. | 22 | 2532 | 23 Nov. |
| Chipman, H. S., Sydney, N.S.W. | .. | 42 | 2566 | 23 Dec. |
| Chrystall and Co., Christchurch, N.Z. | .. | 42 | 2490 | 23 Sept. |
| Chrystall and Co., Christchurch, N.Z. | .. | 42 | 2491 | 23 Sept. |
| Chrystall and Co., Christchurch, N.Z. | .. | 42 | 2492 | 23 Sept. |
| Clark and Co. (Limited), Paisley, Scotland | .. | 23 | 2308 | 21 March. |
| Clark and Co. (Limited), Paisley, Scotland | .. | 23 | 2309 | 21 March. |

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

| Name and Address. | No. of Class. | No. of Application. | Date. |
|---|---------------|---------------------|-----------|
| Clark and Co. (Limited), Paisley, Scotland | 23 | 2310 | 21 March. |
| Clark and Co. (Limited), Paisley, Scotland | 23 | 2311 | 21 March. |
| Clark and Co. (Limited), Paisley, Scotland | 23 | 2312 | 21 March. |
| Clark and Co. (Limited), Paisley, Scotland | 23 | 2313 | 21 March. |
| Clark and Co. (Limited), Paisley, Scotland | 33 | 2399 | 22 June. |
| Clark and Sons (Limited), A., Auckland, N.Z. | 38 | 2370 | 28 May. |
| Clark and Sons (Limited), A., Auckland, N.Z. | 38 | 2422 | 18 July. |
| Clayton, C. J., Christchurch, N.Z. | 38 | 2384 | 6 June. |
| Clerk, D. E., Auckland, N.Z. | 42 | 2454 | 25 Aug. |
| Colombo Commercial Company (Limited), The, Colombo, Ceylon | 42 | 2333 | 6 April. |
| Cooke and Co., S., Melbourne, Vic. (See S. Cooke, No. 2258.) | | | |
| Cooke, S., Melbourne, Vic. | 13 | 2258 | 14 Feb. |
| Cooper, H., Wellington, N.Z. | 50 | 2526 | 21 Nov. |
| Cowie and Co., Caversham, Dunedin, N.Z. | 43 | 2336 | 12 April. |
| Craigellachie-Glenlivet Distillery Company (Limited), Craigellachie, Scotland | 43 | 2354 | 30 April. |
| Craven and Co. J., Wellington, N.Z. (See J. Craven, No. 2517.) | | | |
| Craven, J., Wellington, N.Z. | 46 | 2517 | 5 Nov. |
| Crease and Son (Limited), E. H., Wellington, N.Z. | 42 | 2453 | 24 Aug. |
| Crosfield and Sons (Limited), J., Warrington, Lancashire, Eng. | 47 | 2374 | 30 May. |
| Crosfield and Sons (Limited), J., Warrington, Lancashire, Eng. | 48 | 2375 | 30 May. |
| Crosfield and Sons (Limited), J., Warrington, Lancashire, Eng. | 47 | 2376 | 30 May. |
| Crosfield and Sons (Limited), J., Warrington, Lancashire, Eng. | 47 | 2377 | 30 May. |
| Cross, A. F., Oamaru, N.Z. | 42 | 2256 | 3 Feb. |
| Crumpton, C., Reefton, N.Z. | 48 | 2255 | 3 Feb. |
| Curtis, F., Dunedin, N.Z. | 3 | 2400 | 22 June. |
| Dahl, C., Palmerston North, N.Z. | 37 | 2355 | 4 May. |
| Dailuaine-Glenlivet Distillery (Limited), Carron, Strathspey, Scotland | 43 | 2263 | 21 Feb. |
| Daisy (Limited), Leeds, York, Eng. | 3 | 2250 | 21 June. |
| Daisy (Limited), Leeds, York, Eng. | 3 | 2403 | 23 June. |
| Daisy (Limited), Leeds, York, Eng. | 3 | 2413 | 5 July. |
| Dennison, F. R., Christchurch, N.Z. | 22 | 2472 | 8 Sept. |
| De Renzy, J., Auckland, N.Z. | 1 | 2332 | 6 April. |
| De Renzy, J., Auckland, N.Z. | 1 | 2390 | 15 June. |
| De Renzy, J., Auckland, N.Z. | 1 | 2391 | 15 June. |
| De Renzy, T. G., Auckland, Dunedin, Christchurch, and Wellington | 39 | 2438 | 13 Aug. |
| Docker, W., Sydney, N.S.W. | 1 | 2552 | 14 Dec. |
| Doutreband, C. F., and another, Ballimore, near Dubbo, N.S.W. | 44 | 2324 | 26 March. |
| Dubonnet Frères, Paris, France | 43 | 2565 | 23 Dec. |
| Dunn Company, T. B., Rochester, New York, U.S.A. | 42 | 2480 | 17 Sept. |
| Dunn Company, T. B., Rochester, New York, U.S.A. | 3 | 2481 | 17 Sept. |
| Dutton, P., Dunedin, N.Z. | 3 | 2382 | 3 June. |
| Dutton, P., Dunedin, N.Z. | 42 | 2383 | 3 June. |
| Eagle Cigarette Company, The, Dunedin, N.Z. | 45 | 2522 | 10 Nov. |
| Eagle Cigarette Company, The, Dunedin, N.Z. | 45 | 2523 | 10 Nov. |
| Eagle Cigarette Company, The, Dunedin, N.Z. | 45 | 2558 | 19 Dec. |
| Enterprise Manufacturing Company, The, Philadelphia, U.S.A. | 6 | 2477 | 15 Sept. |
| Enterprise Manufacturing Company, The, Philadelphia, U.S.A. | 12 | 2478 | 15 Sept. |
| Faris, I., and another, Napier, N.Z. | 39 | 2242 | 4 Jan. |
| Faulkner, E. R., Sydney, N.S.W. | 4 | 2482 | 19 Sept. |
| Firth and Sons (Limited), T. F., Brighouse, Yorkshire, Eng. | 35 | 2554 | 15 Dec. |
| Firth and Sons (Limited), T. F., Brighouse, Yorkshire, Eng. | 36 | 2555 | 15 Dec. |
| Firth and Sons (Limited), T. F., Brighouse, Yorkshire, Eng. | 50 | 2556 | 15 Dec. |
| Fisher and Co., Sydney, N.S.W. (See W. M. Stevenson, No. 2371.) | | | |
| Fletcher, C. A., Christchurch, N.Z. | 48 | 2387 | 11 June. |
| Flora Soap and Chemical Works, I. Singer and Co., The, Petone, Wellington, N.Z. | 47 | 2340 | 15 April. |
| Flora Soap and Chemical Works, I. Singer and Co., The, Petone, Wellington, N.Z. | 48 | 2341 | 15 April. |
| Flora Soap and Chemical Works, I. Singer and Co., The, Petone, Wellington, N.Z. | 47 | 2342 | 15 April. |
| Flora Soap and Chemical Works, I. Singer and Co., The, Petone, Wellington, N.Z. | 48 | 2343 | 15 April. |
| Flora Soap and Chemical Works, I. Singer and Co., The, Petone, Wellington, N.Z. | 47 | 2344 | 15 April. |
| Flora Soap and Chemical Works, I. Singer and Co., The, Petone, Wellington, N.Z. | 48 | 2345 | 15 April. |
| Foster-McClellan Company, Buffalo, New York, U.S.A. | 3 | 2419 | 18 July. |
| Foster-McClellan Company, Buffalo, New York, U.S.A. | 3 | 2420 | 18 July. |
| Francis, S. E., Wellington, N.Z. | 38 | 2246 | 13 Jan. |
| Gaslight and Coke Company, The, London, Eng. | 1 | 2404 | 25 June. |
| Gibbs and another, Christchurch, N.Z. | 47 | 2499 | 30 Sept. |
| Gilberd and Sons, J. B., Wanganui, N.Z. | 47 | 2268 | 23 Feb. |
| Gilberd and Sons, J. B., Wanganui, N.Z. | 50 | 2323 | 19 March. |
| Gilbert, A., Sydney, N.S.W. | 3 | 2329 | 1 April. |
| Gilmore, Younghusband, and Co., Auckland, N.Z. | 42 | 2243 | 4 Jan. |
| Gilmore, Younghusband, and Co., Auckland, N.Z. | 42 | 2244 | 4 Jan. |
| Gilmore, Younghusband, and Co., Auckland, N.Z. | 42 | 2451 | 22 Aug. |
| Gilpin, Senior, and Co. (Limited), W., Cannock, Staffordshire, Eng. | 12 | 2315 | 23 March. |
| Gilpin, Senior, and Co. (Limited), W., Cannock, Staffordshire, Eng. | 13 | 2316 | 23 March. |
| Glasgow Manufacturing Company, The, Wellington and Auckland, N.Z. (See Williamson and Son, No. 2415.) | | | |
| Godber, J., Wellington, N.Z. | 42 | 2535 | 2 Dec. |
| Goodisson, R., Dunedin, N.Z. | 3 | 2548 | 9 Dec. |
| Gosnell and Co., J., London, Eng. | 48 | 2457 | 1 Sept. |
| Gottfried, Von. (See under V.) | | | |
| Greig, W. C., Christchurch, N.Z. | 3 | 2362 | 13 May. |
| Grove, J. B., Wellington, N.Z. | 22 | 2493 | 27 Sept. |
| Grove, J. B., Wellington, N.Z. | 22 | 2520 | 8 Nov. |
| Gunson and Co., W., Wellington, N.Z. (See W. Gunson, No. 2414.) | | | |
| Gunson, W., Auckland, N.Z. | 2 | 2414 | 7 July. |
| Haig and Haig (Limited), London, Eng. | 43 | 2543 | 8 Dec. |

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

| Name and Address. | No. of Class. | No. of Appli- cation. | Date. |
|--|------------------|-----------------------------|-----------|
| Haig and Haig (Limited), London, Eng. | 43 | 2544 | 8 Dec. |
| Harper and Company Proprietary (Limited), R., Melbourne, Vic. | 42 | 2369 | 26 May. |
| Hatfield, G., and another, London, Eng. | 45 | 2298 | 21 March. |
| Hatfield, G., and another, London, Eng. | 45 | 2299 | 21 March. |
| Hatfield, G., and another, London, Eng. | 45 | 2300 | 21 March. |
| Hatfield, G., and another, London, Eng. | 45 | 2301 | 21 March. |
| Hatfield, G., and another, London, Eng. | 45 | 2302 | 21 March. |
| Hatfield, G., and another, London, Eng. | 45 | 2303 | 21 March. |
| Hatfield, G., and another, London, Eng. | 45 | 2304 | 21 March. |
| Hatfield, G., and another, London, Eng. | 45 | 2305 | 21 March. |
| Hatfield, G. E., and another, London, Eng. | 45 | 2298 | 21 March. |
| Hatfield, G. E., and another, London, Eng. | 45 | 2299 | 21 March. |
| Hatfield, G. E., and another, London, Eng. | 45 | 2300 | 21 March. |
| Hatfield, G. E., and another, London, Eng. | 45 | 2301 | 21 March. |
| Hatfield, G. E., and another, London, Eng. | 45 | 2302 | 21 March. |
| Hatfield, G. E., and another, London, Eng. | 45 | 2303 | 21 March. |
| Hatfield, G. E., and another, London, Eng. | 45 | 2304 | 21 March. |
| Hatfield, G. E., and another, London, Eng. | 45 | 2305 | 21 March. |
| Hawkins, C. W., Dunedin, N.Z. | 47 | 2449 | 22 Aug. |
| Heather, Robertson, and Co., Auckland, N.Z. | 47 | 2245 | 10 Jan. |
| Heering, P. F., Copenhagen, Denmark. (See P. N. Heering, Nos. 2265, 2266, 2411.) | | | |
| Heering, P. N., Copenhagen, Denmark | 43 | 2265 | 21 Feb. |
| Heering, P. N., Copenhagen, Denmark | 43 | 2266 | 21 Feb. |
| Heering, P. N., Copenhagen, Denmark | 43 | 2411 | 5 July. |
| Heering, P. N., Copenhagen, Denmark | 34 | 2286 | 5 March. |
| Heron, W., Sydney, N.S.W. | 38 | 2443 | 17 Aug. |
| Hetherington, S., Thames, Auckland, N.Z. | 42 | 2525 | 15 Nov. |
| Hildebrand and Co., A., Greymouth, N.Z. | 42 | 2521 | 10 Nov. |
| Hildebrand and Co., A., Greymouth, N.Z. | 42 | 2539 | 3 Dec. |
| Hondai-Lanka Tea Company, Dunedin, N.Z. (See G. T. K. McKenzie, No. 2283.) | | | |
| Hutchinson, G., and others, Christchurch, N.Z. | 42 | 2426 | 27 July. |
| Hutton, J. C. Melbourne, Vic. (See W. and S. A. Hutton, No. 2412.) | | | |
| Hutton, S. A., and another, Melbourne, Vic. | 42 | 2412 | 5 July. |
| Hutton, W., and another, Melbourne, Vic. | 42 | 2412 | 5 July. |
| Imperial Glenlivet Distillery Company, The, Carron, Strathspey, Scotland | 43 | 2264 | 21 Feb. |
| Irvine and Stevenson, Dunedin, N.Z. (See W. Stevenson, No. 2335.) | | | |
| Jepson, C. P. H., Wellington, N.Z. | 3 | 2288 | 7 March. |
| Jeyes' Sanitary Compounds Company (Limited), London, Eng. | 2 | 2251 | 21 Jan. |
| Johnston and Co., Wellington, N.Z. | 42 | 2314 | 21 March. |
| Kearns, Younghusband, and Co., Auckland, N.Z. | 42 | 2430 | 5 Aug. |
| Kearns, Younghusband, and Co., Auckland, N.Z. | 42 | 2440 | 15 Aug. |
| Kearns, Younghusband, and Co., Auckland, N.Z. | 42 | 2455 | 26 Aug. |
| Kearns, Younghusband, and Co. (Limited), Auckland, N.Z. | 42 | 2518 | 7 Nov. |
| Kearns, Younghusband, and Co. (Limited), Auckland, N.Z. | 42 | 2519 | 7 Nov. |
| Kemp, A. E., Gore, Otago, N.Z. | 44 | 2483 | 19 Sept. |
| Kempthorne, Prosser, and Co.'s New Zealand Drug Company (Limited), Dunedin, Christchurch, Wellington, and Auckland, N.Z. | 2 | 2252 | 24 Jan. |
| Kenderdine and Kirkup, Auckland, N.Z. | 47 | 2529 | 23 Nov. |
| Kenderdine and Kirkup, Auckland, N.Z. | 50 | 2530 | 23 Nov. |
| Kirkcaldie and Stains, Wellington, N.Z. | 38 | 2353 | 29 April. |
| Kirkwood, W., Hastings, Hawke's Bay, N.Z. | 2 | 2511 | 27 Oct. |
| Knight, J., and others, Christchurch, N.Z. | 42 | 2426 | 27 July. |
| Knight, J. I., Auckland, N.Z. | 37 | 2287 | 5 March. |
| Knight, J. I., Auckland, N.Z. | 37 | 2410 | 2 July. |
| Knight, J. I., Auckland, N.Z. | 37 | 2442 | 17 Aug. |
| Laurie, C. G. F., Auckland, N.Z. | 42 | 2297 | 19 March. |
| Leighton and Son, J. F., Auckland, N.Z. (See F. W. Leighton, No. 2459) | | | |
| Leighton, F. W., Auckland, N.Z. | 39 | 2459 | 3 Sept. |
| Lever Brothers (Limited), Birkenhead, Eng., and Sydney, N.S.W. | 48 | 2394 | 21 June. |
| Lever Brothers (Limited), Birkenhead, Eng., and Sydney, N.S.W. | 47 | 2502 | 13 Oct. |
| Lever Brothers (Limited), Birkenhead, Eng., and Sydney, N.S.W. | 48 | 2503 | 13 Oct. |
| Lever Brothers (Limited), Birkenhead, Eng., and Sydney, N.S.W. | 47 | 2541 | 7 Dec. |
| Lever Brothers (Limited), Birkenhead, Eng., and Sydney, N.S.W. | 48 | 2542 | 7 Dec. |
| Lewis, A. A., and others, Gisborne, N.Z. | 42 | 2393 | 18 June. |
| Lewis, H. F., and others, Gisborne, N.Z. | 42 | 2393 | 18 June. |
| Lewis, M. S., and others, Gisborne, N.Z. | 42 | 2393 | 18 June. |
| Liebmann, H. B., Sydney, N.S.W. | 34 | 2367 | 26 May. |
| Lincoln, Bennett, and Co. (Limited), London, Eng. | 38 | 2427 | 23 July. |
| Linde British Refrigeration Company (Limited), The, London, Eng. | 6 | 2476 | 15 Sept. |
| Loasby's Wahoo Manufacturing Company (Limited), Dunedin, N.Z. | 3 | 2450 | 22 Aug. |
| Loasby's Wahoo Manufacturing Company (Limited), Dunedin, N.Z. | 2 | 2475 | 15 Sept. |
| Lucas and Co., W. F., London, Eng. | 38 | 2456 | 29 Aug. |
| Madill and Collier, Tuakau, Auckland, N.Z. | 2 | 2580 | 28 Dec. |
| Male, W., Wellington, N.Z. | 39 | 2428 | 4 Aug. |
| Marshall's Chemical Company (Limited), Dunedin, N.Z. | 42 | 2319 | 23 March. |
| Marshall's Chemical Company (Limited), Dunedin, N.Z. | 3 | 2331 | 5 April. |
| Marshall's Chemical Company (Limited), Dunedin, N.Z. | 2 | 2435 | 8 Aug. |
| Marshall's Chemical Company (Limited), Dunedin, N.Z. | 3 | 2461 | 5 Sept. |
| Mason, F. W., and another, Napier, N.Z. | 39 | 2242 | 4 Jan. |
| Mason, Struthers, and Co., Christchurch, N.Z. | 22 | 2504 | 14 Oct. |
| Maungakamea Dairy Association, Maungakamea, Auckland, N.Z. | 42 | 2508 | 26 Oct. |
| Mayor, A., and others, London, Eng.; Christiania, Norway; and Vevey, Switzerland | 42 | 2574 | 23 Dec. |
| Mayor, A., and others, London, Eng.; Christiania, Norway; and Vevey, Switzerland | 42 | 2575 | 23 Dec. |
| Mayor, A., and others, London, Eng.; Christiania, Norway; and Vevey, Switzerland | 42 | 2576 | 23 Dec. |
| Mayor, A., and others, London, Eng.; Christiania, Norway; and Vevey, Switzerland | 42 | 2577 | 23 Dec. |

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

| Name and Address. | No. of Class. | No. of Appli- cation. | Date. |
|---|---------------|--------------------------|-----------|
| Maypole Company (Limited), The, London, Eng. | 50 | 2964 | 17 May. |
| McClellan Company, Foster- (See under F.) | | | |
| McFarlane, A. and J., Dunedin, N.Z. | 42 | 2507 | 21 Oct. |
| McGill and Co., Dr. J. A., Chicago, U.S.A. (See J. A. McGill, No. 2946.) | | | |
| McGill, J. A., Chicago, U.S.A. | 3 | 2346 | 18 April. |
| McIntosh, M., Auckland, N.Z. | 48 | 2439 | 13 Aug. |
| McIntyre and Co., D. C., Christchurch, N.Z. | 42 | 2407 | 29 June. |
| McIntyre and Co., D. C., Christchurch, N.Z. | 42 | 2423 | 23 July. |
| McKenzie, G. T. K., Dunedin, N.Z. | 42 | 2283 | 25 Feb. |
| McLeod, C., and another, Nelson, N.Z. | 47 | 2406 | 28 June. |
| McLeod, J., and another, Nelson, N.Z. | 47 | 2406 | 28 June. |
| Mellor and Co., Worcester, Eng. | 42 | 2306 | 21 March. |
| Mellor and Co., Worcester, Eng. | 42 | 2307 | 21 March. |
| Menzies and Co., Dunedin, N.Z. (See T. Menzies, No. 2425.) | | | |
| Menzies, T., Dunedin, N.Z. | 42 | 2425 | 26 July. |
| Miles, Stapleton, and Co., Melbourne, Vic. (See W. Challoner, jun., and J. Challoner, No. 2540.) | | | |
| Monkwell Street Warehouse Company, London, Eng. | 38 | 2401 | 23 June. |
| Monkwell Street Warehouse Company, London, Eng. | 38 | 2402 | 23 June. |
| Monnerat, J., and others, London, Eng.; Christiania, Norway; and Vevey, Switzerland | 42 | 2574 | 23 Dec. |
| Monnerat, J., and others, London, Eng.; Christiania, Norway; and Vevey, Switzerland | 42 | 2575 | 23 Dec. |
| Monnerat, J., and others, London, Eng.; Christiania, Norway; and Vevey, Switzerland | 42 | 2576 | 23 Dec. |
| Monnerat, J., and others, London, Eng.; Christiania, Norway; and Vevey, Switzerland | 42 | 2577 | 23 Dec. |
| Monopole Cycle and Carriage Company (Limited), The, Coventry, Eng. | 22 | 2289 | 8 March. |
| Montgomerie, R., Stratford, N.Z. | 42 | 2253 | 27 Jan. |
| Moore, H. G., Glenburn, Masterton, N.Z. | 13 | 2516 | 5 Nov. |
| Morgan, J., and another, Ballimore, near Dubbo, N.S.W. | 44 | 2324 | 26 March. |
| Morley, J. and R., London, Eng. | 38 | 2567 | 23 Dec. |
| Morley, J. and R., London, Eng. | 38 | 2568 | 23 Dec. |
| Morley, J. and R., London, Eng. | 38 | 2569 | 23 Dec. |
| Morley, J. and R., London, Eng. | 38 | 2570 | 23 Dec. |
| Morley, J. and R., London, Eng. | 38 | 2571 | 23 Dec. |
| Morley, J. and R., London, Eng. | 38 | 2572 | 23 Dec. |
| Morley, J. and R., London, Eng. | 38 | 2573 | 23 Dec. |
| Morton-Pringle Gas-heating Company (Limited), The, London, Eng. | 18 | 2295 | 18 March. |
| Muralo Company, The, New Brighton, New York, U.S.A. | 17 | 2494 | 29 Sept. |
| Muralo Company, The, New Brighton, New York, U.S.A. | 17 | 2495 | 29 Sept. |
| Native Mineral and Aerated Water and Cordial Company, The, Auckland, N.Z. | 44 | 2584 | 30 Dec. |
| Needham, jun., A., Longburn, N.Z. | 3 | 2549 | 13 Dec. |
| Neil, J., Dunedin, N.Z. | 3 | 2352 | 27 April. |
| Neil, J. F., Dunedin, N.Z. | 48 | 2325 | 28 March. |
| Nelson, Moate, and Co. (Limited), Wellington, N.Z. | 42 | 2515 | 31 Oct. |
| Nesbitt, H., Coromandel, N.Z. | 48 | 2269 | 11 Feb. |
| Nestlé, H., London, Eng.; Christiania, Norway; and Vevey, Switzerland. (See G. Aguet, J. Monnerat, E. L. Roussy, and A. Mayor, Nos. 2574-77.) | | | |
| Newton and Son, J., Wellington, N.Z. | 47 | 2458 | 2 Sept. |
| New Zealand Provision and Produce Company, The, Christchurch, N.Z. (See W. Wood and Gibbs, No. 2499.) | | | |
| Nichols and Co., H., Birkenhead, Auckland, N.Z. | 3 | 2378 | 17 June. |
| Nobel's Explosives Company (Limited), Glasgow, Scotland | 20 | 2409 | 1 July. |
| Nobel's Explosives Company (Limited), Glasgow, Scotland | 20 | 2447 | 20 Aug. |
| Nobel's Explosives Company (Limited), Glasgow, Scotland | 20 | 2448 | 20 Aug. |
| Nobel's Explosives Company (Limited), Glasgow, Scotland | 20 | 2464 | 6 Sept. |
| Nobel's Explosives Company (Limited), Glasgow, Scotland | 20 | 2465 | 6 Sept. |
| Norton, J. T., Christchurch, N.Z. | 42 | 2473 | 10 Sept. |
| Oakes and Co. (Limited), Madras, India | 45 | 2368 | 26 May. |
| Parker and Lawson, Dunedin, N.Z. | 37 | 2538 | 2 Dec. |
| Peabody and Co., H. W., New York, U.S.A.; London, Eng.; and Sydney, N.S.W. | 1 | 2267 | 21 Feb. |
| Peabody and Co., H. W., New York, U.S.A.; London, Eng.; and Sydney, N.S.W. | 1 | 2397 | 21 June. |
| Peacock and Brother, W. C., Melbourne, Vic. | 7 | 2262 | 21 Feb. |
| Pearson and Co., Hamilton, Waikato, N.Z. | 2 | 2505 | 17 Oct. |
| Pearson and Co., Hamilton, Waikato, N.Z. | 47 | 2537 | 2 Dec. |
| Portland Cement-fabrik Hemmoor, Hemmoor, Germany | 17 | 2434 | 8 Aug. |
| Pringle, Morton- (See under M.) | | | |
| Purdie and Co., Dunedin, N.Z. (See J. Purdie, No. 2474.) | | | |
| Purdie, J., Dunedin, N.Z. | 15 | 2474 | 12 Sept. |
| Rangiwahia-Ruahine Dairy Company (Limited), The, Rangiwahia, Feilding, N.Z. | 42 | 2531 | 23 Nov. |
| Reading, C. H., and another, Sydney, N.S.W. | 45 | 2432 | 8 Aug. |
| Reece and Sons, E., Christchurch, N.Z. | 47 | 2348 | 21 April. |
| Renzy, De. (See under D.) | | | |
| Rewa Co-operative Dairy Company (Limited), Rewa, N.Z. | 42 | 2501 | 11 Oct. |
| Robert, P., Palmerston, N.Z. | 2 | 2398 | 22 June. |
| Roussy, E. L., and others, London, Eng.; Christiania, Norway; and Vevey, Switzerland | 42 | 2574 | 23 Dec. |
| Roussy, E. L., and others, London, Eng.; Christiania, Norway; and Vevey, Switzerland | 42 | 2575 | 23 Dec. |
| Roussy, E. L., and others, London, Eng.; Christiania, Norway; and Vevey, Switzerland | 42 | 2576 | 23 Dec. |
| Roussy, E. L., and others, London, Eng.; Christiania, Norway; and Vevey, Switzerland | 42 | 2577 | 23 Dec. |
| Rover Cycle Company (Limited), The, Coventry, Eng. | 22 | 2248 | 19 Jan. |
| Royal Cigarette Company, The, Wellington, N.Z. | 45 | 2408 | 30 June. |
| Russell, E. T., Auckland, N.Z. | 48 | 2466 | 7 Sept. |
| Sargood, Son, and Ewen, Auckland, N.Z. | 35 | 2533 | 23 Nov. |
| Scoular and Co., W., Dunedin, N.Z. | 42 | 2416 | 14 July. |
| Scoular and Co., W., Dunedin, N.Z. | 42 | 2417 | 14 July. |
| Scoular and Co., W., Dunedin, N.Z. | 42 | 2418 | 14 July. |
| Sebley, W. H., Waipawa, N.Z. | 48 | 2534 | 25 Nov. |
| Shapecott, M., Wellington, N.Z. | 45 | 2296 | 18 March. |

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

| Name and Address. | No. of Classes. | No. of Application. | Date. |
|---|-----------------|---------------------|-----------|
| Sharland and Co. (Limited), Auckland, N.Z. | 3 | 2270 | 24 Feb. |
| Sharp, A., Sydney, N.S.W. | 3 | 2560 | 20 Dec. |
| Silenette Proprietary (Limited), Melbourne, Vic. | 3 | 2469 | 8 Sept. |
| Silenette Proprietary (Limited), Melbourne, Vic. | 11 | 2470 | 8 Sept. |
| Simpson, J., London, Eng. | 42 | 2328 | 31 March. |
| Simson, D. C., New Plymouth, N.Z. | 3 | 2471 | 8 Sept. |
| Singer and Co., I. (See the Flora Soap and Chemical Works, Nos. 2340-45.) | | | |
| Skaboura Dip Company, The, Chicago, U.S.A. | 2 | 2247 | 13 Jan. |
| Small, A., Dunedin, N.Z. | 1 | 2320 | 23 March. |
| Small and Sons, Dunedin, N.Z. (See A. Small, No. 2320.) | | | |
| Smeeton, H. M., Auckland, N.Z. | 3 | 2485 | 28 Sept. |
| Smeeton, H. M., Auckland, N.Z. | 39 | 2486 | 28 Sept. |
| Smeeton, H. M., Auckland, N.Z. | 42 | 2487 | 28 Sept. |
| Smeeton, H. M., Auckland, N.Z. | 47 | 2488 | 23 Sept. |
| Smeeton, H. M., Auckland, N.Z. | 48 | 2489 | 28 Sept. |
| Smith, T. and W., Newcastle-on-Tyne, Eng. | 13 | 2361 | 13 May. |
| Snowdon, Sons, and Co. (Limited), London, Eng. | 1 | 2550 | 8 Dec. |
| Snowdon, Sons, and Co. (Limited), London, Eng. | 47 | 2551 | 8 Dec. |
| Société Commerciale et Industrielle de Naphte Caspienne et de la Mer Noire, Paris, France | 47 | 2436 | 10 Aug. |
| Squire, M. L., Fairview, Timaru, N.Z. | 3 | 2365 | 16 May. |
| Standard Oil Company of New York, New York, U.S.A. | 47 | 2358 | 9 May. |
| Standard Oil Company of New York, New York, U.S.A. | 47 | 2359 | 9 May. |
| Staples and Co., W. and J., Wellington, N.Z. | 38 | 2351 | 28 April. |
| Staples and Co., W. and J., Wellington, N.Z. | 38 | 2578 | 23 Dec. |
| Staples and Co., W. and J., Wellington, N.Z. | 38 | 2579 | 23 Dec. |
| Stephenson, S. T., Liverpool, Eng. | 4 | 2524 | 14 Nov. |
| Stevenson, W., Dunedin, N.Z. | 47 | 2335 | 12 April. |
| Stevenson, W. M., Sydney, N.S.W. | 3 | 2371 | 28 May. |
| Storey, W. M., Leicester, Eng. | 23 | 2497 | 29 Sept. |
| Sutton and Co., Sydney, N.S.W. (See C. H. Reading and E. L. Sutton, No. 2432.) | | | |
| Sutton, E. L., and another, Sydney, N.S.W. | 45 | 2432 | 8 Aug. |
| Taddy and Co., London, Eng. (See G. and G. E. Hatfield, Nos. 2298-2305.) | | | |
| Taddy and Co., J., London, Eng. (See G. and G. E. Hatfield, Nos. 2298-2305.) | | | |
| Talisker Distillery (Limited), The, Carbost, Isle of Skye, Scotland | 43 | 2261 | 21 Feb. |
| Tate and Sons (Limited), H., London and Liverpool, Eng. | 42 | 2421 | 18 July. |
| Tibbles' Vi-Cocoa (Limited), Dr., London, Eng. | 42 | 2285 | 28 Feb. |
| Tidman and Son (Limited), London, Eng. | 3 | 2317 | 23 March. |
| Todd and Son, J. H., Victoria, B.C., Canada | 42 | 2326 | 28 March. |
| Towler, E., Forbury, Dunedin, N.Z. | 3 | 2460 | 5 Sept. |
| Trudgeon, W. T., Auckland, N.Z. | 48 | 2441 | 17 Aug. |
| Union Oil, Soap, and Candle Company (Limited), Auckland, N.Z. | 47 | 2321 | 25 March. |
| Union Oil, Soap, and Candle Company (Limited), Auckland, N.Z. | 47 | 2322 | 25 March. |
| United Farmers' Co-operative Association (Limited), The, Palmerston North, N.Z. | 42 | 2557 | 17 Dec. |
| Valentine, C. R., Lee, Kent, Eng. | 42 | 2254 | 28 Jan. |
| Vereinigte Pinsel-Fabriken, Nuremberg, Bavaria, Germany | 50 | 2553 | 15 Dec. |
| Vincent, S., Christchurch, N.Z. | 3 | 2356 | 7 May. |
| Vincent, S., Christchurch, N.Z. | 48 | 2357 | 7 May. |
| Vinolia Company (Limited), London, Eng. | 3 | 2513 | 29 Oct. |
| Vinolia Company (Limited), London, Eng. | 48 | 2514 | 29 Oct. |
| Vinolia Company (Limited), London, Eng. | 3 | 2545 | 10 Dec. |
| Vinolia Company (Limited), London, Eng. | 48 | 2546 | 10 Dec. |
| Volente (Limited), London, Eng. | 50 | 2506 | 17 Oct. |
| Von Gottfried and Co., Christchurch, N.Z. (See J. Knight, I. von Gottfried, and G. Hutchinson, No. 2426.) | | | |
| Von Gottfried, I., and others, Christchurch, N.Z. | 42 | 2426 | 27 July. |
| Vuillard and Strauss, St. Claude, Jura, France | 50 | 2433 | 8 Aug. |
| Waimarino Dairy Factory Company, The, Wanganui, N.Z. | 42 | 2445 | 17 Aug. |
| Wairau Freezing Company (Limited), Blenheim, Marlborough, N.Z. | 42 | 2431 | 6 Aug. |
| Walker, J. J. F., Christchurch, N.Z. | 3 | 2363 | 13 May. |
| Wallace and Co., Christchurch, N.Z. (See C. A. Fletcher, No. 2387.) | | | |
| Walton, R., Auckland, N.Z. | 38 | 2389 | 15 June. |
| Webber, W., Launceston, Tasmania | 3 | 2424 | 26 July. |
| Wedge, L. A., Roslyn, Dunedin, N.Z. | 48 | 2528 | 21 Nov. |
| Weld, S., Christchurch, N.Z. | 3 | 2437 | 11 Aug. |
| Wilkie and Co., J., Dunedin, N.Z. | 39 | 2392 | 17 June. |
| Williamson and Son, Wellington and Auckland, N.Z. | 42 | 2415 | 11 July. |
| Willis, A. J., Dunedin, N.Z. | 47 | 2479 | 16 Sept. |
| Wilson, J. F., Auckland, N.Z. | 42 | 2500 | 10 Oct. |
| Wilton, G. W., Wellington, N.Z. | 48 | 2386 | 9 June. |
| Wilton, G. W., Wellington, N.Z. | 50 | 2498 | 29 Sept. |
| Wood, W., and another, Christchurch, N.Z. | 47 | 2499 | 30 Sept. |
| Woodward and Co., H., Caversham, Dunedin, N.Z. | 36 | 2388 | 14 June. |
| Woodward and Co., H., Caversham, Dunedin, N.Z. | 36 | 2462 | 5 Sept. |
| Worthington and Co., A. J., Leek, Staffordshire, Eng. | 30 | 2563 | 23 Dec. |
| Worthington and Co., A. J., Leek, Staffordshire, Eng. | 30 | 2564 | 23 Dec. |

Additional Patents Regulations.

RANFURLY, Governor.

By his Deputy,
JAMES PRENDERGAST.

ORDER IN COUNCIL.

At the Government House, at Wellington, this twenty-ninth day of April, 1899.

Present :

HIS EXCELLENCY THE GOVERNOR IN COUNCIL.

IN pursuance and exercise of the powers and authorities vested in him by "The Patents, Designs, and Trade-marks Act, 1889," His Excellency the Governor of the Colony of New Zealand, acting by and with the advice and consent of the Executive Council of the said colony, doth hereby make the following additional regulations for regulating the practice of registration under the said Act, and generally for regulating the business of the Patent Office—namely :—

REGULATIONS.

REPEAL.

1. Regulations Nos. 4, 5, 6, 8, 9, and 30 of the regulations made by Order in Council dated the 2nd day of October, 1889, and Regulations Nos. 3, 5, and 6 of the regulations made by Order in Council dated the 12th day of January, 1891, are hereby repealed.

STATEMENT OF ADDRESS.

2. Every petition, application, notice, and other document left at the Patent Office shall contain or be accompanied by a statement of an address to which all communications may be made by the Registrar, and such statement shall be binding upon the applicant until a substituted statement of address shall be furnished by him. The Registrar may in any particular case require that the address mentioned in this rule be within the Colony of New Zealand.

SIZE, ETC., OF DOCUMENTS.

3. Every application, specification, and copy thereof shall be legibly printed or written upon strong paper of foolscap size, with a margin on left hand part thereof. The copy of the complete specification shall be on one side only of the paper, and shall be certified by the applicant or his agent to be a true copy.

DRAWINGS.

4. One copy of the drawings must be on blue transparent linen or tracing-cloth, and the other copy either on that material, or on drawing-paper or linaura fabric. The sheets on which the drawings are made to be either 13 in. by 8 in. or 13 in. by 16 in., with a margin of at least 1 in. All the lines must be absolutely black, Indian ink of the best quality being used, and the same strength of colour of the ink maintained throughout the drawing. Any shading must be in lines clearly and distinctly drawn, and as open as is consistent with the required effect. Section-lines should not be too closely drawn. No colour must be used for any purpose upon the linen or cloth copy of the drawing. All letters and figures of reference must be bold and distinct. The drawings must be signed. They must not be folded, but must be delivered at the Patent Office either in a perfectly flat state or rolled upon a roller or in a stiff case, so as to be free from creases or breaks.

APPLICATION FOR SEPARATE INVENTIONS IN ONE SPECIFICATION.

5. Where a person making application for a patent includes therein by mistake, inadvertence, or otherwise, more than one invention, he may, after the refusal of the Registrar to accept such application, amend the same so as to apply to one invention only, and may make application for separate patents for each such invention accordingly.

Every such application shall, if the applicant notify his desire to that effect to the Registrar, bear the date of the first application, and shall, together therewith, be proceeded with in the manner prescribed by the said Act and by these rules, as if every such application had been originally made on that date.

EXTENSION OF TIME.

6. An application for extension or enlargement of time shall be in writing, and shall state in detail under what circumstances and upon what grounds such extension is applied for; and the Registrar may require the applicant to substantiate such statement by such proof as the Registrar may think necessary.

NOTICE OF APPEAL.

7. Notice of every appeal from any decision of the Registrar shall, within ten days of the time when such decision was given, be served in writing upon the person in whose favour such decision was given.

INTERNATIONAL AND INTERCOLONIAL ARRANGEMENTS.

8. The term "foreign application" shall mean an application by any person for protection of an invention in the

United Kingdom, or any foreign State with the Government of which Her Majesty has made an arrangement under section 103 of the Imperial Act called "The Patents, Designs, and Trade-marks Act, 1883," or any British possession with which arrangements have been made in pursuance of section 107 of the Act of the Legislature of New Zealand intitled "The Patents, Designs, and Trade-marks Act, 1889," and, if more than one foreign application has been made as regards the same invention, and by the same person, means the first of such applications.

An application in New Zealand for a patent in respect of which a foreign application has been made shall contain a statement that such foreign application has been made, and the official date and number thereof respectively, and shall be signed in the manner prescribed by the said Act and these regulations with respect to ordinary applications.

The application in New Zealand shall be made in the form in the Schedule hereto, and, in addition to the usual requirements of the said Act and regulations, must be accompanied by a copy of the foreign application, including specification and drawings, if any, bearing the official date of such application, and duly certified by the official chief or head of the Patent or other office in which such application was filed, or otherwise verified to the satisfaction of the Registrar, and, if required by the Registrar, a statutory declaration as to the identity of the invention in respect of which the application is made with the invention in respect of which the foreign application was made; and, if the documents be in a foreign language, a translation thereof shall be annexed to and verified by such statutory declaration.

Such application shall be entered in the Register of Patents as on the date on which the foreign application was made, and the payment of renewal-fees and the expiration of the patent shall be reckoned as from the date of the foreign application.

AMENDMENT OF TABLE OF FEES.

9. The fees set out in the Second Schedule to "The Patents, Designs, and Trade marks Act, 1889," are hereby amended as follows :—

| The fees— | £ | s. | d. |
|---|---|----|----|
| On application for enlargement of time for deposit of specification | 1 | 0 | 0 |
| On obtaining such enlargement of time, in addition to or otherwise payable .. | 5 | 0 | 0 |
| On lodging application for enlargement of time of any payment | 1 | 0 | 0 |
| On obtaining enlargement of time, in addition to fee otherwise payable .. | 3 | 0 | 0 |
| Search and inspection: For each book or specification | 0 | 1 | 0 |
| Copy or extract from register under seal .. | 0 | 10 | 0 |
| Copy or extract of any writing, per common-law folio | 0 | 0 | 6 |
| On application for any enlargement or extension of time | 0 | 10 | 0 |
| On obtaining such enlargement or extension, in addition to fee otherwise payable .. | 1 | 0 | 0 |
| For each search or inspection not exceeding one hour | 0 | 1 | 0 |
| For each subsequent hour or fraction of hour | 0 | 1 | 0 |
| For copies of extracts of any writing, per folio of seventy-two words | 0 | 0 | 3 |
| For certificate of Registrar | 0 | 5 | 0 |
| For certifying office-copies, for each copy .. | 0 | 1 | 0 |

are hereby abolished, and the following fees are substituted therefor :—

10. These regulations, with the exception of Regulation No. 4, shall come into force on the 11th day of May next; and Regulation No. 4 shall come into force on the 1st day of September next.

SCHEDULE.

APPLICATION FOR LETTERS PATENT UNDER INTERNATIONAL AND INTERCOLONIAL ARRANGEMENTS.

I [or We], [Insert name or names in full], of [Insert address and calling], declare that in possession of an invention for [Insert title of invention], that the true and first inventor thereof, that first made application (No.) for the protection of the same in , that the official date of such application is , and that such invention was not in use in the Colony of New Zealand by any other person or persons before the , to the best of knowledge and belief; and request that a patent, bearing date as of the said , may be granted to for the said invention, as described in the specification herewith.

Dated this day of , 18 . [Signature.]

Witness to signature—

ALEX. WILLIS,
Clerk of the Executive Council.

Approximate Cost of Paper.—Preparation, not given; printing (1,475 copies), £59 7s.

By Authority: JOHN MACKAY, Government Printer, Wellington.—1899.