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OFFICIAL NOTICES.

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- Specifications and Drawings of Inventions patented in the United Kingdom, to June, 1899.
- Classified Abridgments of such Inventions, to 1896, inclusive.
- The English Illustrated Official Journal (Patents), to the 27th February, 1901.
- The English Trade Mark Journal, to the 26th December, 1900.
- The Official Gazette of the United States Patent Office, to the 26th February, 1901.

The Canadian Patent Office Record,* to the 31st October, 1900.

The Patent Gazettes of the States of the Australian Commonwealth (received weekly).

The Propriété Industrielle, to the 31st January, 1901.

* This periodical may also be seen at the Free Public Libraries at Auckland and Christchurch.

Patent Office Publications.

THE following publications can be obtained from the Government Printer, viz. :—

- Printed Specifications to the end of the year 1879.
- Annual Lists of Letters Patent and Letters of Registration applied for, and Particulars of Applications lapsed and Patents lapsed, from 1880 to 1888, inclusive.
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- Provisional Specification.
- Complete Specification and Copy.
- Application for Registration of Design.
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- Application for Registration of Subsequent Proprietor (by assignment or otherwise) of Letters Patent.
- Application for Registration of Subsequent Proprietor of Trade Mark.

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Notice of Acceptance of Complete Specifications.

Patent Office,
Wellington, 17th April, 1901.

COMPLETE specifications relating to the under-mentioned applications for Letters Patent have been accepted, and are open to public inspection at this office. Any person may, at any time within two months from the date of this *Gazette*, give me notice in writing of opposition to the grant of any such patent. Such notice must set forth the particular grounds of objection, and be in duplicate. A fee of 10s. is payable thereon.

No. 12663.—6th June, 1900.—ROBERT LOUIS HOWELL MURRAY, of Auckland, New Zealand, Electrician. An improved apparatus for increasing the illuminating-power of gas.

[NOTE.—The title in this case has been altered. See list Provisional Specifications, *Gazette* No. 54, of the 21st June, 1900.]

Claim.—In means for increasing the illuminating-power of gas, a receptacle in which is stored a mixture of kerosene and naphthalene or other carbon-producing compound, such receptacle being provided with a wick-lead and wick, and supported upon a ring secured to the gas-burner in such a manner that the mouth of the wick-lead shall nearly overlie the orifice of the burner, as specified.

(Specification, 1s. 6d.; drawings, 1s.)

No. 12731.—25th June, 1900.—JOHN LAW KIRKBRIDE, of Auckland, New Zealand, Settler. Improvements in tappet-heads.*

Claims.—An improvement in tappet-heads, whereby the tappet may be readily and speedily varied on the shank, and its life prolonged by the deadening of the impact, in the manner and for the purpose substantially as set forth, and shown in Fig. A of the drawings. The friction-plate, in the manner and for the purpose substantially as set forth, and shown in Fig. B of the drawings. The bolts, in the manner and for the purpose substantially as set forth, and shown in Figs. C of the drawings. The washer or washers, in the manner and for the purpose substantially as set forth, and shown in Fig. D of the drawings. The locking of the nuts or bolts, in the manner and for the purpose substantially as set forth, and shown in Figs. E and FF of the drawings.

(Specification, 1s. 6d.; drawings, 1s.)

No. 12755.—3rd July, 1900.—ROBERT GARNHAM, of Wellington, New Zealand, Painter. Improvements in or relating to valves for water-cisterns.*

Claims.—(1.) A flushing-valve for water-cisterns, consisting of a flap valve hinged at one end and adapted to fit over a seat formed on the top of the downpipe, in combination with a two-armed lever pivoted in front of the opening end of the valve, one arm of which extends vertically upwards in front of the valve, and the other arm of which is provided with a float, as and for the purposes set forth. (2.) An inlet-valve for water-cisterns, mounted near the top thereof—that is, made in one piece and bored out so as to form a valve-seat upon which fits a plunger working in the bore and operated by means of a lever-arm and float, such valve having an outlet-opening in the side thereof from which leads a pipe that extends to within a short distance from the bottom of the cistern, as specified. (3.) In water-cisterns, a flushing-valve consisting of a flap valve hinged at one end and operated by a chain and lever and provided with the means described for retaining it in an open position and for closing it as the cistern is emptied, in combination with an air-tube for admitting air into the downpipe beneath the flap valve, as specified.

(Specification, 2s. 3d.; drawings, 1s.)

No. 12756.—3rd July, 1900.—WILLIAM TAYLOR, of Invercargill, New Zealand, Miner, and ANGELO PASCO, of Invercargill aforesaid, Rabbit-buyer. Improvements in rabbit-trap fasteners.*

Claim.—In rabbit-trap fastenings, a spring swivel link such as that described, inserted between the ordinary holding chain and the trap, as and for the purposes set forth.

(Specification, 1s. 3d.; drawings, 1s.)

No. 12764.—2nd July, 1900.—JULIUS DECIMUS TRIPE, of Wanganui, New Zealand, Surgeon. Improvements in apparatus for securing window-sashes, casements, or for other similar purposes.*

Claims.—An apparatus consisting of a block of metal having a groove, in which works a bolt. On the inner end of the bolt is a pin, which is fitted into an eccentric groove in a piece of metal, by means of which the bolt is pushed out, withdrawn, or held in position, substantially as described. What I further claim as novel is an arrangement by means of which, if desired, a block of metal containing an eccentric groove may be locked to the apparatus as described.

(Specification, 1s. 6d.; drawings, 1s.)

No. 12821.—28th July, 1900.—CHRISTCHURCH PRESS COMPANY (LIMITED), whose registered office is at 204, Cashel Street, Christchurch, New Zealand, and JOHN VINCENT PRICE, of 204, Cashel Street, Christchurch, aforesaid, Printer. Improved combination of materials, and method of employing same for the production of overlays in illustration-printing.*

Claim.—The improved combination of materials and methods of employing same for the production of overlays in illustration-printing, substantially as described.

(Specification, 2s. 6d.)

No. 12965.—8th September, 1900.—WILLIAM THURLOW, of Cookson Street, Kaiapoi, Canterbury, New Zealand, Boot- and Shoe-maker. Improved method of joining the backs of boot- and shoe-uppers.*

Claim.—The described method of joining the backs of boot- and shoe-uppers, consisting in shaping the back edge of each side of the upper and then lapping one over the other and stitching them together, the outer side being drawn whilst stitching to follow the shape of the inner side, substantially as described, and illustrated in the drawings.

(Specification, 1s.; drawings, 1s.)

No. 13284.—2nd January, 1901.—WILLIAM NICOL, of Invercargill, New Zealand, Watchmaker. A device to prevent dust, draughts, or water from entering underneath doors.*

Claims.—(1.) A flat metal plate that is secured within a slotted recess formed in the bottom edge of a door, such plate being provided with diagonal slots through which pass the pins by means of which it is secured within the recess, in combination with means whereby when the door is closed the plate shall be caused to descend, and when the door is opened shall be caused to rise in the recess, as and for the purposes set forth. (2.) A metal plate that is provided with diagonal slots, and is secured within a slotted recess formed in the bottom edge of a door by pins passing through the slots, in combination with a stud or anti-friction roller upon the jamb of the doorway which shall engage with the inner edge of the plate when the door is closed and cause it to descend, and with a hook upon the jamb of the doorway that shall enter an open-ended slot in the inner end of the plate, and when the door is opened will pull the plate up again, as set forth. (3.) A metal plate that is provided with diagonal slots, and is secured within a slotted recess formed in the bottom edge of a door by pins passing through the slots, in combination with a stud or anti-friction roller upon the jamb of the doorway, which shall engage with the inner edge of the plate when the door is closed, and cause it to descend, and with a spring or springs by means of which the plate shall be pulled or pushed up again when the door is opened, as set forth. (4.) A metal plate that is provided with diagonal slots, and is secured within a slotted recess formed in the bottom edge of a door by pins passing through the slots, in combination with a lever that is pivoted upon the inner pin, and one end of which engages with a stud or projection upon the jamb of the doorway when the door is closed, and the other end of which is provided with a longitudinal slot that fits over a stud upon the surface of the plate, and with a spring that is fastened to the plate and the recess into which it fits, as and for the purposes described and explained. (5.) The general arrangement, construction, and combination of parts in my appliances for preventing dust, draughts, and rain from entering beneath doors, as described and explained, as illustrated in the sheet of drawings, and for the several purposes set forth.

(Specification, 5s.; drawings, 1s.)

No. 13285.—3rd January, 1901.—CHARLES PAYSON TREAT, of 97, Gresham Street, London, England, Gentleman (assignee of Foster Ritchie, of 99, Constantine Road, Hampstead, London aforesaid, Electrical Engineer). Improvements in telautograph apparatus.

Claims.—(1.) Telautographic apparatus, comprising, at each of two stations connected by two line-wires, a sending-tracer jointed to rods connected to arms carrying brushes

travelling over rheostat arcs, a receiving-pen jointed to rods connected to arms carrying coils moving in annular magnetic fields, so that according as the arms moved by the sending-tracer include more or less resistance in the circuit of the receiving-coils, these coils move over less or greater arcs, so moving the pen in accordance with the tracer, substantially as described. (2.) The construction of the rheostat arcs substantially as described with reference to Figs. 6, 7, and 9. (3.) The construction and arrangement of the magnets and coils for operating the arms that work the receiving-pen substantially as described with reference to Figs. 3, 4, and 5. (4.) The paper-shifting apparatus substantially as described with reference to Figs. 10, 11, and 12. (5.) The switch substantially as described with reference to Figs. 14, 15, and 16. (6.) The pen and its ink-supply substantially as described with reference to Figs. 17, 18, and 19. (7.) The pen-lifting apparatus, including the rod 34, electro-magnet 35, the triple brush, vibrator 43, platen contacts 37 and 40, relay 47, and condenser 54, substantially as described. (8.) The modified pen-lifting apparatus, comprising the rod 34, electro-magnet 35, the magnets 59 and 60, with their armature lever, and the induction coils 55-57 and 56-58, substantially as described. (Specification, 11s. 6d.; drawings, 6s.)

No. 13351.—29th January, 1901.—HENRY BAKER BLACKINTON, of Winthrop, Maine, United States of America, Apothecary; WILLIAM FRANCIS COX, of Milton, Massachusetts, United States of America, Merchant; and MAURICE EDWIN GINN, of Winchester, Massachusetts aforesaid, Real Estate Merchant. Improvements in machines for covering boxes.

Claims.—(1.) As a new article of manufacture, a presser-cap for box-covering machines, said cap having one of its surfaces adapted to fit closely the box to be covered, and being formed with a flange projecting beyond said surface for initially turning an edge portion of the covering-strip. (2.) As a new article of manufacture, a press-roll for box-covering machines, said press-roll having one of its faces adapted to rotate the box by frictional contact, and to press the covering-strip upon the outer side walls of the box, and having a flange projecting from said surface for turning an edge portion of the covering-strip over the mouth of the box. (3.) A guiding-mechanism for the covering-strip comprising a presser-cap, and a guide-finger loosely mounted above said presser-cap; the covering-strip passing between said presser-cap and said guide-finger, and said guide-finger forcing the covering-strip under the presser-cap. (4.) A mechanism for pressing the covering-strip against the inner side walls of the box, comprising a box-holder, a slidable plunger mounted on said box-holder, means by which said plunger is forced into the box, and means for supporting the box during the movement of the plunger. (5.) A box-covering machine comprising a supporting frame, a rotary box-holder, a presser-cap formed with a flange, a side of said presser-cap being adapted to fit closely the side walls of the box, and the flange projecting from said side turning an edge portion of the covering-strip over upon the bottom of the box, means to guide the strip between the presser-cap and the box, and means to rotate the box-holder. (6.) A box-covering machine comprising a supporting frame, a rotary box-holder, means to rotate said box-holder, a presser-cap formed with a flange, a side of said presser-cap being adapted to fit closely the side walls of the box, and the flange projecting from said side for turning an edge portion of the covering-strip over upon the bottom of the box, a rotary disc which presses the turned-edge portion upon the bottom of the box, and means for guiding the strip between the presser-cap and the box. (7.) A box-covering machine comprising a supporting frame, a rotary box-holder, a press-roll which rotates said box-holder by contact with the box thereon and which presses the covering-strip upon the outer side walls of the box, means for holding the box against the press-roll, a rotary disc for turning an edge portion of said strip over upon the bottom of the box, and means for rotating said press-roll and said disc. (8.) A box-covering machine comprising a supporting frame, a rotary box-holder, a presser-cap a side of which is adapted to fit closely the side of the box and formed with a flange projecting from said side for turning an edge portion of the covering-strip over upon the bottom of the box, means for guiding the covering-strip between the presser-

cap and the box, a press-roll which contacts with the box and thereby rotates it, and which presses the covering-strip upon the outer side walls of the box, a rotary disc which presses the turned-edge portion upon the bottom of the box, means for rotating the press-roll and the disc, and means for holding the box in contact with the press-roll. (10.) A box-covering machine comprising a supporting frame, a rotary box-holder, a press-roll formed with a flange, said press-roll contacting with the box to press the covering-strip upon the outer side walls of the box, and the flange on said press-roll turning an edge portion of the strip over the mouth of the box, means for guiding the strip between the press-roll and the box, means for rotating the press-roll, means for holding the box in contact with the press-roll, and means for pressing the inturned-edge portion of the strip against the inner surface of the box. (11.) A box-covering machine comprising a supporting frame, a rotary box-holder, a press-roll formed with a flange, said press-roll contacting with the box to press the covering-strip upon the outer side walls of the box, and the flange on said press-roll turning an edge portion of the strip over the mouth of the box, means for guiding said strip between the press-roll and the box, means for rotating the press-roll, means for holding the box in contact with the press-roll, a slidable plunger adapted to fit closely within the box, means for pressing said plunger into the box to press the inturned-edge portion against the inner surface of the box, and means for supporting the box during the movement of the plunger. (12.) A box-covering machine comprising a supporting frame, a rotary box-holder, a presser-cap a side portion of which is adapted to fit closely the side of the box, and formed with a flange which turns an edge portion of the strip over upon the bottom of the box, means for guiding the covering-strip between the presser-cap and the box, a press-roll formed with a flange, said press-roll contacting with the box to press the strip upon the outer side-walls of the box, and the flange on said press-roll turning the other edge portion of the strip over the mouth of the box, means for rotating the press-roll, means for holding the box in contact with said press-roll, and means for pressing the inturned-edge portion of the strip against the inner surface of the box. (13.) A box-covering machine comprising a supporting frame, a rotary box-holder, a presser-cap a side of which is adapted to fit closely the side of the box, and formed with a flange which turns an edge portion of the strip over upon the bottom of the box, a rotary disc for pressing said edge portion upon the bottom of the box, means for guiding the covering-strip between the presser-cap and the box, a press-roll contacting with the box to press the strip upon the outer side walls of the box, and the flange on the said press-roll turning the other edge portion of the strip over the mouth of the box, means for rotating the press-roll and the disc, means for holding the box in contact with said press-roll, and means for pressing said inturned-edge portion of the strip against the inner surface of the box. (14.) A mechanism for pressing the covering-strip against the inner side walls of the box comprising the combination of a box-holder upon which the box is mounted, a plunger mounted upon and free to slide along the shaft of said box-holder, and means by which said plunger is moved along said shaft into the box. (15.) In a box-covering machine, the combination of a rotary box-holder upon which the box is mounted, a flanged press-roll which rotates said box and its holder by frictional contact with said box and presses the covering-strip on said box, the flange on said press-roll turning an edge portion of said strip inwardly over the edges of the side walls of the box, and mechanism for rotating said press-roll. (16.) In a box-covering machine, a mechanism for rotating the box comprising the combination of a rotary box-holder upon which the box is mounted, a press-roll which rotates said box and its holder by frictional contact with said box and presses the covering-strip on said box, and mechanism for rotating said press-roll. (Specification, 13s. 6d.; drawings, 3s.)

No. 13405.—14th February, 1901.—EDWARD WATERS, Jun., a member of the firm of Edward Waters and Son, of 131, William Street, Melbourne, Victoria, Patent Agents (nominee of the Linotype Company, Limited, of 188, Fleet Street, London, England, the assignees of John Broadhouse, of 188, Fleet Street, London, aforesaid). Improvements in and connected with printing music typographically.

Claims.—(1.) A fount of matrices or type-dies respectively of the same size throughout the fount, and bearing amongst them the characters and symbols of a musical alphabet, the said characters and symbols being divided accordingly by equal squares, as set forth. (2.) The described improved linotype to be used with others of the same kind for printing music typographically. (3.) The described combination of improved linotypes for printing a musical stave typographically. (Specification, 4s.; drawings, 3s.)

No. 13517.—28th March, 1901.—GEORGE FRASER the younger, of Auckland, New Zealand, and SAMUEL EDGAR FRASER, of Waikino, Auckland, New Zealand, Engineers. A revolving vacuum filter for recovering the liquid from slimes, sands, pulp, and suchlike, in connection with cyanide or other chemical applications.

Claims.—(1.) In a revolving vacuum filter of the kind described, the hollow cylinder having a perforated surface and a continuous vacuum within it, with porous material adjusted to the outer surface, the cylinder rotating in a vat or box containing slimes or suchlike connected with cyanide and other chemical applications, for the purpose set forth, substantially as described and illustrated. (2.) In a revolving vacuum filter of the kind described, the porous material adjusted to the outer surface of the cylinder so as to form a fixed cover thereon, and covering the perforations therein, said cylinder having within it a continuous vacuum, and rotating in a vat or box containing slimes or suchlike connected with cyanide and other chemical applications, for the purpose set forth, substantially as described and illustrated. (3.) In a revolving vacuum filter of the kind described, the displacement wash-blankets or other suitable material adjusted to trail over and on to the top of the porous material covering the outer surface of the cylinder, and fed from a supply-trough above, said cylinder having within it a continuous vacuum, and rotating in a vat or box containing slimes or suchlike connected with cyanide and other chemical applications, for the purpose set forth, substantially as described and illustrated. (4.) In a revolving vacuum filter of the kind described, the adjustable knife-blade, hinged or otherwise held or fixed to holder close to porous material covering the outer surface of cylinder, said cylinder having within it a continuous vacuum, and rotating in a vat or box containing slimes or suchlike connected with cyanide and other chemical applications, for the purpose set forth, substantially as described and illustrated. (5.) In a revolving vacuum filter of the kind described, the pipes and retaining-boards fixed to the inside of the cylinder and rotating with it for the purpose set forth, substantially as described and illustrated. (6.) In a revolving vacuum filter of the kind described, in combination, the hollow cylinder having a perforated surface and a continuous vacuum within it, with porous material adjusted to the outer surface of the cylinder, said cylinder rotating in a vat or box containing slimes or suchlike connected with cyanide and other chemical applications, displacement wash material adjusted to trail over and on to said porous material, an adjustable knife-blade hinged or otherwise held or fixed to holder close to said porous material, pipes, retaining boards fixed within said cylinder, a trunnion shaft, bearings, and said vat or box, all for the purpose set forth, substantially as described and illustrated.

(Specification, 5s.; drawings, 1s.)

No. 13518.—29th March, 1901.—HENRY ISMAY MORALEE ROSS, of Dunedin, New Zealand, Engraver. Improved ventilation for cars or buildings.

Claims.—(1.) In car-ventilating apparatus, comprising an air-purifying chamber having an external intake, mechanism for discharging the air from the said chamber into the car, an independent intake extending in the same direction as the said chamber-intake, and an air-motor in said independent intake coupled to and operating the discharge-mechanism. (2.) A ventilating-apparatus for cars comprising a wind-driven or air motor, a ventilating-fan actuated solely by said motor, an air-chamber partially filled with water, an air-inlet open in the direction of the car, the other end of the said inlet being below the surface of the water, a pipe leading from said chamber to said fan, and a pipe leading from the fan to the interior of the car, whereby the air-inflow into the said chamber will be positively discharged proportionately to its ingress, regardless of the wind-velocity and car-speed. (3.) A ventilating-apparatus for cars consisting of a wind-driven air-motor, a ventilating-fan actuated solely by said motor, an air-chamber partly filled with water, an air-inlet open in the direction of movement of the car, the other end of the said inlet being below the surface of the water, a pipe leading from said chamber to said fan, the inlet end being above the surface of the water, and a pipe leading from the fan to the interior of the car, whereby the inflow into the said chamber of air will be discharged proportionately to its ingress, regardless of wind-velocity or car-speed. (4.) In a ventilating system, an elevated tank partly filled with water, and an external-air-collecting funnel disposed in front of the tank and provided with a spout which terminates in said tank below the normal water-line, combined with a wind-driven motor (or power-driven motor in the case of buildings), a suction and forcing fan and a distributing-pipe leading from the suction and forcing fan, substantially as described and shown. (5.) In a

ventilating system, the double fan-casing having two compartments, one of which has a normally open outlet at one side thereof, and a collecting-hood on its other side open to the air, a single fan-shaft for both fans, said fans having blades curved in opposite directions, combined with an air-purifying tank with its air-intake opening in the same direction as the motor-fan intake, a pipe connecting said tank with the suction or forcing fan, and a distributing-pipe leading from the suction or forcing fan, all substantially as described, and as illustrated in the drawing.

(Specification, 8s.; drawings, 4s.)

No. 13523.—2nd April, 1901.—THOMAS BOYD, of Gloucester Street West, Christchurch, New Zealand, Cycle-manufacturer. Improvements in saddles for cycles.

Claims.—(1.) In a saddle for cycles, the combination with the bottom frame and rear spiral springs of a continuous steel wire A, curved to form two springs in front, and looped at bottom to connect to bottom frame (or a separate wire for each said spring, the lower ends fitting in a bracket connected to bottom frame), each rear end of said wire having attached thereto a piece of (preferably stamped) metal C forming the seat, the rear end of each said piece of metal being connected to the upper end of the corresponding spiral spring at back, the lower end of which is attached to the cross-piece connecting the rear ends of bottom frame, thus enabling the two parts forming the seat to be independent of each other, and leaving a space between them to avoid all pressure upon the perineum, while each said part can be so covered as to give relief to the seat-bones of the rider, substantially as described, and illustrated in the drawings. (2.) In a saddle for cycles, the combination with the bottom frame and rear spiral springs of a continuous steel wire A', curved to form two springs in front, and looped at bottom to connect to bottom frame (or a separate wire for each said spring, the lower ends fitting in a bracket connected to bottom frame), each upper end of said wire being curved to form the seat and connected to the upper end of the corresponding spring at back, the lower end of which is attached to the cross-piece connecting the rear ends of bottom frame, thus enabling the two parts forming the seat to be independent of each other and leaving a space between them to avoid all pressure upon the perineum, while each said part can be so covered as to give relief to the seat-bones of the rider, substantially as described, and illustrated in the drawings.

(Specification, 4s.; drawings, 1s.)

No. 13525.—4th April, 1901.—CHARLES GROSVENOR, Public Accountant, FRANK HENDERSON, Engineer, and ROBERT LOGAN the younger, all of Auckland, New Zealand. An improved appliance for producing gas from gasolene and other hydrocarbons by the propulsion of atmospheric air therethrough.

Claims.—(1.) In the appliance above described, the observation-chamber for connecting the drip of gasolene or other fluid from the piping leading from the reservoir into the generator, for the purpose set forth, substantially as described and illustrated. (2.) In the appliance above described, the exit-channel or pipe through which the gas rises, and is reinforced by the drip of gasolene or other fluid falling through the observation-chamber from the piping leading from the reservoir, for the purpose set forth, substantially as described and illustrated. (3.) In the appliance above described, the placing of the check-valve in the air-inlet pipe for the purpose set forth, substantially as described and illustrated. (4.) In the appliance above described, the chamber fixed below the air-inlet pipe beneath the generator for the purpose set forth, substantially as described and illustrated. (5.) In the appliance above described, in combination, the cylindrical tank or generator connected to the reservoir by piping and fixed to said piping-cock and chamber for regulating and conducting drip of gasolene or other fluid, hole for charging tank or generator with fluid, outlet-hole for gas, drain-cock for carrying away waste products, air-inlet pipe fixed to outside of generator, passing into generator, and having beneath it drainage-chamber for moisture from air, projection fitted to upper part of generator in direct line with part where air-inlet pipe enters under part of generator, float with upwardly shaped funnel projection, closed at its top with upright rod fitted to outside of said projection, and with a coiled or radiating air-way forming portion of said float, said rod to rise into projection on top of generator, said upwardly shaped funnel projection to enclose inner end of air-inlet pipe, disos, stays, and threaded wicks, and gas-exit channels, all for the purpose set forth, substantially as described and illustrated.

(Specification, 4s. 6d.; drawings, 1s.)

No. 13530.—9th April, 1901.—ALFRED LINDSAY, of Wellington, New Zealand, Boot-importer. Improvements in the means for securing boots to the feet of the wearer.

Claim.—In means for securing boots to the feet of the wearer, a boot constructed with a front and back part, to the front part of which (one on each side thereof) is secured a pair of straps of unequal length, the shorter strap being connected to a buckle, in combination with a loop formed in the back of the boot through which both the straps are passed in opposite directions, and with a loop in the front of the boot through which the longer strap is passed, as and for the purposes set forth.

(Specification, 2s. 3d.; drawings, 1s.)

No. 13531.—9th April, 1901.—CHARLES STEPHEN DUNNINGHAM, of Lambton Quay, Wellington, New Zealand, Watchmaker. Improvements in brooch-pins, and in the manner of securing the same to brooches.

Claims.—(1.) In brooch-fastenings, a circular walled recess secured to the back of the brooch and provided with an opening in the edge thereof, in combination with a pin one end of which is turned into a loop adapted to pass through the opening and fit between the sides of the recess, and with means whereby such loop may be secured within the recess, as specified. (2.) In brooch-fastenings, a circular walled recess secured to the back of the brooch and provided with an opening in the edge thereof, and a pair of arms hinged behind the recess, and which are adapted to lie one on each side thereof, the front ends of which are joined together by means of a plate, such plate being adapted to partially close the opening in the edge of the recess, as specified. (3.) In brooch-fastenings, a pin one end of which is curved downwards and then upwards into a circular loop, such loop being adapted to fit in and be secured behind the walls of a circular recess upon the back of the brooch, as specified.

(Specification, 4s. 3d.; drawing, 1s.)

No. 13534.—12th April, 1901.—HARRY WALKER ABBOTT, Mechanical Engineer, of 414, Winchester Avenue, and THOMAS INLOW PORTER, Officer of the United States Secret Service, of 166, Adams Street, both in Chicago, Illinois, United States of America. Machines for counting coins, discs, &c.

Claims.—(1.) In a coin-counting machine having an ejector and an automatic register, a register-actuating device initially set by the action of the coin as it is being ejected, and thereafter moved positively by the mechanism, to actuate said register, as described with reference to the drawings. (2.) In connection with the subject-matter of above claim, a positively driven roller for insuring a correct discharge, and coating with the ejector and with the mechanism for initially setting the register-actuating device, as described with reference to the drawings. (3.) In connection with the subject-matter of first claim, means for imparting to the ejector a relatively slow working stroke, as described with reference to the drawings. (4.) The combination with the ejector of an upwardly movable coin-tube having its base adjacent to the upper surface thereof, and having its rear lower edge concaved to admit the passage of upwardly bowed coins, or coins of unusual thickness, as described with reference to the drawings. (5.) The combination with the coin-tube and ejector of a base-plate or bottom beneath the coin-tube and over which the ejector slides, longitudinally recessed to admit the discharge of downwardly bowed coins, as described with reference to the drawings. (6.) In a machine of the character described, arranging the base-plate or bottom to which the coin-tube delivers, and over which the ejector moves, at an inclination, sloping upwardly and rearwardly, so that the coins may tend to gravitate to the front, as described with reference to the drawings.

(Specification, 4s.; drawings, 2s.)

No. 13535.—12th April, 1901.—GEORGE HAMILTON GRAPES, of Paraparaumu, Wellington, New Zealand, Fruit Specialist. Improvements in hoes.

Claims.—(1.) In a hoe having its blade set at an angle to its socket, an angular-shaped root to the socket, substantially as set forth. (2.) In a hoe, barbs formed on the edges of the socket, in combination with a ring for forcing the barbs into the handle, substantially as set forth. (3.) In a hoe having its blade set at an angle to its socket, an ear formed at the rear point of the blade to throw the soil away from plants and assist in preventing lateral travel of the hoe, substantially as set forth. (4.) In a hoe having its blade set at an angle, in combination, a socket placed nearer the front point of the blade than the rear point, an ear on the rear point of the blade, barbs on the edges of the socket, and a securing-ring for forcing the barbs into the handle, sub-

stantially as set forth. (5.) The combination and arrangement of parts comprising my improvements in hoes, substantially as set forth, and illustrated on the drawing. (Specification, 3s. 9d.; drawings, 1s.)

F. WALDEGRAVE,
Registrar.

An asterisk (*) denotes the complete specification of an invention for which a provisional specification has been already lodged.

NOTE.—The cost of copying the specification and drawings has been inserted after the notice of each application. An order for a copy or copies should be accompanied by a post-office order or postal notes for the cost of copying.

The date of acceptance of each application is given after the number.

Provisional Specifications.

Patent Office,
Wellington, 17th April, 1901.

APPLICATIONS for Letters Patent, with provisional specifications, have been accepted as under:—

No. 13494.—23rd March, 1901.—FRANK EMERSON ROBERTSHAW, of Pollen Street, Grey Lynn, Auckland, New Zealand, Joiner. The introduction of forced air-blast in dry quartz-crushing.

No. 13495.—26th March, 1901.—ARTHUR JOHN HEWETSON, of St. Vincent Street, Nelson, New Zealand, Mechanic. Improvements in brackets for supporting or holding cycles.

No. 13520.—3rd April, 1901.—ROBERT GEORGE FOSTER, of Heriot, New Zealand, Dredge-hand. Travelling ripples for keeping shoots and races from fouling.

No. 13521.—4th April, 1901.—WILLIAM HAMER, of Foxton, New Zealand, Chemist. Improved appliances for use in generating acetylene gas.

No. 13522.—4th April, 1901.—WILLIAM FRANCIS DUGINS, of Peel Street, Kew, Victoria, Blind-maker. Improved check-roller for blinds.

No. 13524.—3rd April, 1901.—CHARLES MCGILL, of Goodwood, Otago, New Zealand, Carpenter. *Débris*-sifter to be used in the process of sluicing for gold.

No. 13528.—9th April, 1901.—WILLIAM PAGE, of Church Street, Timaru, New Zealand, Labourer. A wire-strainer.

No. 13533.—11th April, 1901.—FRANCIS ERNEST BENDA, of Burnside Road, Kensington Park, near Adelaide, South Australia, Civil Servant (nominee of Sydney Benda, of Syracuse, New York, United States of America, Manufacturer). The pinless waist skirt and belt holder.

No. 13536.—13th April, 1901.—WALTER WHYTE, of John Street, Wellington, New Zealand, Driver. Improved means of suspending window-curtains.

No. 13537.—13th April, 1901.—JAMES McDONALD, of 103, Manchester Street, Christchurch, New Zealand, Labour Agent. Improved means of securing bedclothes in position.

F. WALDEGRAVE,
Registrar.

NOTE.—Provisional specifications cannot be inspected, or their contents made known by this office in any way, until the complete specifications in connection therewith have been accepted.

The date of acceptance of each application is given after the number.

Letters Patent sealed.

LIST of Letters Patent sealed from the 4th April, 1901, to the 17th April, 1901, inclusive:—

- No. 12258.—A. B. Jackson, spur-fastener.
- No. 12268.—E. R. Godward, post-hole boring tool.
- No. 12288.—F. H. Wrigley, lifting-jack.
- No. 12303.—J. Arnaboldi, hobble.
- No. 12309.—C. Bristow, seed-feeder.
- No. 12607.—G. McCaul, chimney-top.
- No. 12675.—W. McKeegan, dredge.
- No. 12923.—E. McGregor, dredging and transporting earth.
- No. 12932.—D. Brigham, horse-collar roll.
- No. 13119.—A. G. Jackson, C. D. Ferguson, and E. G. Abell, acetylene-generator.
- No. 13122.—J. Bowman, railway brakes.
- No. 13174.—H. Braby and C. Coutts, fire-lighter.
- No. 13230.—J. J. Daily, boot.
- No. 13245.—The British Motor Traction Company (Limited), motor vehicle (C. Jarrott).
- No. 13256.—J. S. Beeman, automatic feeder.
- No. 13257.—W. E. Hughes, gasifier for internal-combustion engine (W. A. Bole and E. Ruud).
- No. 13262.—T. Gare, tire.
- No. 13275.—Lanston Monotype Machine Company, record strips for type-forming machines (T. Lanston).
- No. 13276.—J. S. Beeman, applying tips to cigarettes.
- No. 13286.—J. T. Hunter, extracting gold (A. Herbert).

F. WALDEGRAVE,
Registrar.

Letters Patent on which Fees have been paid.

[NOTE.—The dates are those of the payments.]

SECOND-TERM FEES.

- No. 9380.—T. Waterworth, asphalt. 15th April, 1901.
 No. 9405.—A. H. Brownley, gate (H. Withey). 9th April, 1901.
 No. 9406.—H. E. Partridge, hair-wash (W. T. Trudgeon). 4th April, 1901.
 No. 9479.—H. Hill, railway fish-plate. 3rd April, 1901.

THIRD-TERM FEES.

Nil.

F. WALDEGRAVE,
Registrar.*Subsequent Proprietors of Letters Patent registered.*

[NOTE.—The name of the patentee is given in brackets; the date is that of registration.]

- No. 10891.—Charles Grosvenor, of Auckland, New Zealand, Public Accountant, gas-generator. [J. Crook.] 12th April, 1901.
 No. 12275.—Alexander Davidson Fraser, of Sydney, New South Wales, Accountant, candle-holder. [R. Simmonds.] 12th April, 1901.
 No. 12897. { Theodore J. Mayer, of Washington, Columbia,
 No. 12898. { United States of America, Merchant, separ-
 No. 12899. { ating granular substances. [E. Gates.]
 15th April, 1901.

F. WALDEGRAVE,
Registrar.*Applications for Letters Patent abandoned.*

LIST of applications for Letters Patent (with which provisional specifications only have been lodged) abandoned from the 4th April, 1901, to the 17th April, 1901, inclusive:—

- No. 12664.—J. E. Friend and J. Sawers, cycle-propelling mechanism.
 No. 12666.—D. Caithness, dredge-shoot cleaner.
 No. 12669.—H. M. de Montemas and M. Franckel, garbage crematory.
 No. 12670.—W. J. C. Stokes, rocket signalling.
 No. 12671.—G. A. Pearson, draw-pin and catch for railway vehicles.
 No. 12672.—L. Holden, feeding-trough.
 No. 12676.—C. B. M. Branson, saddle-cover.
 No. 12677.—E. E. Collins, sluice-box cleaning apparatus.
 No. 12678.—J. B. C. Watt, gold-separating appliances.
 No. 12681.—W. Holmes, linotype justification gauge.
 No. 12682.—E. R. Atkin, seats for vehicles.
 No. 12688.—T. Plummer, die and mortar-box for ore-crusher.
 No. 12695.—D. C. Streeter, steam-pressure regulator.

F. WALDEGRAVE,
Registrar.*Applications for Letters Patent lapsed.*

LIST of applications for Letters Patent (with which complete specifications have been lodged) lapsed from the 4th April, 1901, to the 17th April, 1901, inclusive:—

- No. 12068.—J. D. P. Morgan, converting straw into charcoal.

F. WALDEGRAVE,
Registrar.*Letters Patent void.*

LIST of Letters Patent void through non-payment of fees from the 4th April, 1901, to the 17th April, 1901, inclusive:—

THROUGH NON-PAYMENT OF SECOND-TERM FEES.

- No. 9164.—Trench Tubeless Tire Company, Limited, tire (J. T. Trench).
 No. 9165.—A. Desgoffe and O. Avedyk, converting grain into dough.
 No. 9166.—F. Billing and W. E. Partridge, joining tubing.
 No. 9167.—I. Davis, wheel.
 No. 9170.—J. Thomas, bicycle-brake.

- No. 9179.—W. W. Pullman, steam catamaran.
 No. 9187.—W. A. Koneman, slimes-separator.
 No. 9190.—W. C. T. Theobald, horse-collar.
 No. 9193.—E. P. Schoenfelder and E. Kehle, camera.
 No. 9194.—J. J. Warry, tire.
 No. 9196.—A. Piedfort, telegraphic receiver.
 No. 9241.—M. Scott, bicycle-propelling gear.
 No. 9242.—M. Scott, bicycle-propelling gear.

THROUGH NON-PAYMENT OF THIRD-TERM FEE.

- No. 6601.—A. G. Holroyd, E. Hughes, J. S. Pirrie, and E. J. Rigby, concentrator and classifier.
 No. 6603.—J. Richards, weight-bar for trotting-horses.
 No. 6605.—E. Hermite and C. F. Cooper, disinfecting.
 No. 6610.—C. Hinsch, beverage.

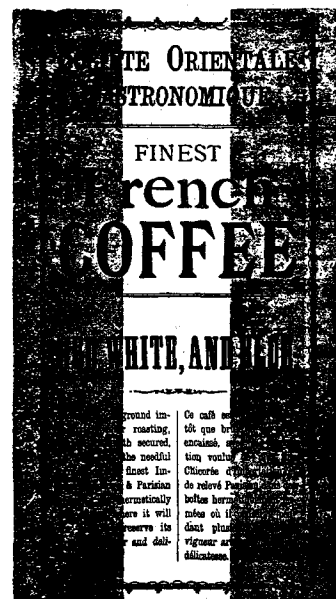
F. WALDEGRAVE,
Registrar.*Applications for Registration of Trade Marks.*Patent Office,
Wellington, 17th April, 1901.

APPLICATIONS for registration of the following trade marks have been received. Notice of opposition to the registration of any of these applications may be lodged at this office within two months of the date of this *Gazette*. Such notice must be in duplicate, and accompanied by a fee of £1.

No. of application: 3327.

Date: 7th March, 1901.

TRADE MARK.



The applicant claims that the said trade mark has been used by him and his predecessors in business, in respect of the said goods, since the year 1872.

NAME.

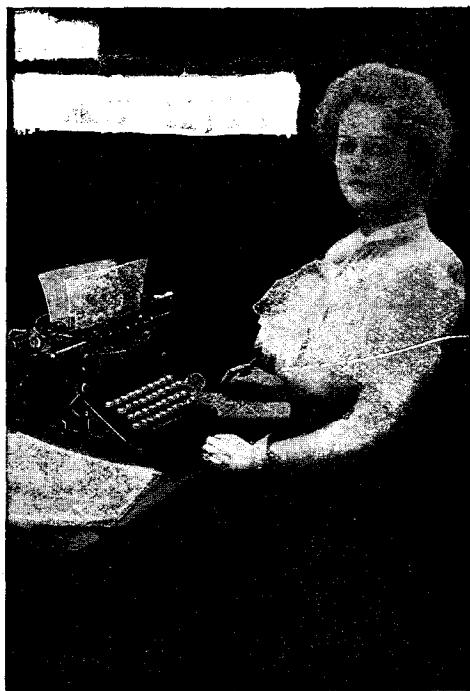
Sir REGINALD HANSON, Baronet, of 47, Botolph Lane, London, England, Wholesale Grocer.

No. of class: 42.

Description of goods: French coffee.

No. of application : 3332.
Date : 19th March, 1901.

TRADE MARK.



NAME.

THOMAS GEORGE DE RENZY, of Auckland, New Zealand, Typewriter Agent.

No. of class : 6.
Description of goods : Typewriters.

No. of application : 3345.
Date : 27th March, 1901.

TRADE MARK.



“THE GANDY BELT,”
ENGLAND.

The essential particulars of the trade mark are, the representation of a roll of belting having across it the representation of a bale of cotton, and the words “Gandy” and “Gandy’s”; and any right to the exclusive use of the added matter is disclaimed.

The applicants claim that the said trade mark has been used by them and their predecessors in business, in respect of the article mentioned, for twenty-one years before the 2nd day of September, 1889.

NAME.

THE GANDY BELT MANUFACTURING COMPANY, LIMITED, of Wheatland Works, Seacombe, London, England.

No. of class : 25.
Description of goods : Cotton belting.

No. of application : 3348.
Date : 1st April, 1901.

TRADE MARK.

The letters

CF

The applicant claims that the said trade mark has been in use by her and her predecessor in business in respect of the article mentioned for about twenty-five years.

NAME.

CHRISTINA FULTON, of Bohally, Blenheim, New Zealand, Flax-miller.

No. of class : 4.
Description of goods : Hemp.

No. of application : 3354.
Date : 9th April, 1901.

TRADE MARK.

The word

VICTOR.

NAME.

HOLMES SAMUEL CHIPMAN, of 54, Margaret Street, Sydney, New South Wales, Merchant.

No. of class : 42.
Description of goods : Baking-powder and self-raising flour, and cognate substances and materials.

No. of application : 3355.
Date : 10th April, 1901.

TRADE MARK.

The words

GOLDEN NUGGET.

NAME.

THE COLEGROVE TEA COMPANY, of Featherston Street, Wellington, New Zealand.

No. of class : 42.
Description of goods : Tea.

F. WALDEGRAVE,
Registrar.

Trade Marks registered.

LIST of Trade Marks registered from the 4th April, 1901, to the 17th April, 1901, inclusive :—
No. 2564 ; 3232.—H. S. Chipman. Class 6. (*Gazette* No. 97, of the 22nd November, 1900.)
No. 2565 ; 3275.—A. W. Sinclair. Class 48. (*Gazette* No. 15, of the 30th January, 1901.)
No. 2566 ; 3276.—Broad, Small, and Co. Class 13. (*Gazette* No. 15, of the 30th January, 1901.)

F. WALDEGRAVE,
Registrar.

Alphabetical List of Applicants for Letters Patent for Quarter ending 31st March, 1901.

THIS list includes also applications lodged prior to but gazetted during the quarter, and complete specifications following provisional specifications, and gazetted during the quarter. Where the number and date of the *Gazette* are omitted, the application has not yet been accepted.

* Denotes a provisional specification. † Denotes a prior date under section 106 of the Act.

Name, Address, and Invention.	Application.		Gazette.	
	No.	Date.	No.	Date.
Acton-Adams, H. W., Tipapa, N.Z. Shoe-tree	13295	5 Jan. ..	15	30 Jan.*
Adams, Acton. (See under Acton.)				
American Tobacco Company, The, New York, U.S.A. Containing-vessel. (R. L. Patterson)	13406	14 Feb. ..	26	7 Mar.
American Tobacco Company, The, New York, U.S.A. Can-closing apparatus. (R. A. Hall)	13500	26 Mar. ..	35	4 April.
Anderson, G. H., Waiapu, Amuri, N.Z. Weatherboarding	12166	11 Nov., 1899..	19	7 F. b.
Andrews, O., Levin, N.Z. Milk-can	13402	25 Feb. ..	..	..
Andrews, W., and another, Christchurch, N.Z. Chaff-cutting machinery	12523	10 April, 1900..	15	30 Jan.
Anschau, J., Glen Innes, N.S.W. Sealing-buckle	13435	1 Mar. ..	26	7 Mar.
Appleton, E., Hokitika, N.Z. Removing obstructions when boring for prospecting purposes	13498	28 Feb. ..	26	7 Mar.
Asencio, T., New York U.S.A. (See E. Waters, No. 13340.)				
Ashcroft, R. H., Wellington, N.Z. Fountain pen	13511	27 Mar. ..	35	4 April.
Aucher, A. C., Toowong, Queensland. Igniting oil or gas-burner ..	13243	13 Dec., 1900 ..	19	7 Feb.
Austin, G. B. H., Malvern, Vic. Utilising the "bumping" of cyclists to assist in the propulsion of cycles	13473	14 Mar. ..	30	21 Mar.
Awdry, J. S., and another, Marton, N.Z. Sheep-shearing machine ..	13483	20 Mar. ..	35	4 April.*
Bailey, C. E., and another, Templeton, N.Z. Potato-digger	13503	25 Mar. ..	35	4 April.*
Bairnsfather, S., Norwood, S.A. Opening and closing gates	12430	27 Feb. ..	35	4 April.*
Barberie, O. C., Batelow, Adelong, N.S.W. Tin for jam, &c. ..	13320	7 Jan. ..	15	30 Jan.
Barry, J. H. L., and another, Mataura, N.Z. Contrivance for detaching horse from carriage	13319	15 Jan. ..	15	30 Jan.*
Batley, R. T., Moawhaungo, N.Z. Appliance for transplanting plants	13314	15 Jan. ..	15	30 Jan.*
Baugh, De. (See under D.)				
Baun, De. (See under D.)				
Bayldon, T. C., Thames, N.Z. Preserving timber	13347	29 Jan. ..	23	21 Feb.
Beale, O. C., and another, Annandale, N.S.W. Wrest-pin for piano	13508	29 Mar. ..	35	4 April.
Beaven, A. W., and another, Christchurch, N.Z. Chaff-cutting machinery	12523	10 April, 1900..	15	30 Jan.
Bennett, M. H. L., Winton, N.Z. Motor for driving machinery ..	13491	21 Mar. ..	35	4 April.*
Bethlehem Steel Company, South Bethlehem, U.S.A. Metal-cutting tool. (F. W. Taylor and M. White)	13301	7 Jan. ..	23	21 Feb.
Blackinton, H. B., and others, Winthrop, U.S.A. Machine for covering boxes	13447	6 Mar. ..	30	21 Mar.
Blackinton, H. B., and others, Winthrop, U.S.A. Machine for covering boxes	13351	29 Jan. ..	39	18 April.
Blair, J. C., and another, Louisville, U.S.A. Fountain spittoon ..	13339	28 Jan. ..	..	..
Blake, L. I., and another, Lawrence, U.S.A. Separating conductors from non-conductors	13407	14 Feb. ..	26	7 Mar.
Bolton, M. I., Wellington, N.Z. Cycle luggage-carrier	13448	6 Mar. ..	30	21 Mar.*
Booth, C., London, Eng. Enamelled leather. (G. S. Wolff) ..	13428	23 Feb. ..	..	..
Booth, C., London, Eng. Enamelled leather. (G. S. Wolff) ..	13429	23 Feb. ..	..	..
Booth, G. T., Sydenham, N.Z. Conductor-tube for agricultural implements	13474	14 Mar. ..	30	21 Mar.
Boyd, T., Christchurch, N.Z. Cycle-saddle	13370	4 Feb. ..	23	21 Feb.*
Boyens, W. H., Kaikoura, N.Z. Branding carcasses	12579	5 May, 1900 ..	23	21 Feb.
Brake, A., Wellington, N.Z. Apparatus for drawing off liquids ..	13506	28 Mar. ..	35	4 April.
Breidahl, H., Port Melbourne, Vic. (See Joshua Brothers Proprietary, Limited, No. 13497.)				
Brigham, D., Auckland, N.Z. Horse-collar roll	12932	28 Aug., 1900 ..	5	10 Jan.
British Motor Traction Company, Limited, London, Eng. (See W. E. Hughes, No. 13461.)				
Brittin, F. G. M., and others, Christchurch, N.Z. Gold-saving apparatus	13385	6 Feb. ..	23	21 Feb.*
Broadhouse, J., London, Eng. (See E. Waters, jun., No. 13405.)				
Brownley, A. H., and another, Onehunga, N.Z. Serviette-holder ..	13296	2 Jan. ..	5	10 Jan.
Bryant, T. M., Whangarei, N.Z. Easy chair	12706	29 June, 1900..	30	21 Mar.
Buckworth, C. M., Whakatane, N.Z. Marking cheese	13367	30 Jan. ..	23	21 Feb.*
Burgess, H. N., Auckland, N.Z. Cooking-stove for use with Primus lamp	13365	28 Jan. ..	23	21 Feb.
Burns, J., Melbourne, Vic. Pump	13088	23 Oct., 1900 ..	30	21 Mar.
Burrows, P. F. M., Hunterville, N.Z. Combined letter-weigher and pencil	13375	7 Feb. ..	23	21 Feb.
Cairney, J., Greymouth, N.Z. Sand-blast	13442	1 Mar. ..	30	21 Mar.*
Cameron, A., Forest Hill, Southland, N.Z. Wire-strainer	13384	8 Feb. ..	23	21 Feb.*
Campbell, C. H., and another, Philadelphia, U.S.A. Condensed milk	13408	14 Feb. ..	26	7 Mar.

ALPHABETICAL LIST OF APPLICANTS FOR LETTERS PATENT—continued.

Name, Address, and Invention.	Application.		Gazette.	
	No.	Date.	No.	Date.
Campbell, J. H., Christchurch, N.Z. Separating black sand ..	18312	12 Jan. ..	15	30 Jan.*
Campbell, J. H., and another, New York, U.S.A. Condensed milk..	18408	14 Feb. ..	26	7 Mar.
Campbell, J. P., Wellington, N.Z. Fluid-pressure engine. (C. Robinson)	18302	8 Jan. ..	15	30 Jan.
Campbell, J. P., Wellington, N.Z. Electro-magnetic brake. (F. L. Clark)	18317	15 Jan. ..	19	7 Feb.
Campbell, J. P., Wellington, N.Z. Dynamo electric generator. (B. G. Lamme)	18348	29 Jan. ..	19	7 Feb.
Campbell, J. P., Wellington, N.Z. Oil-pumping apparatus. (C. Robinson)	18349	29 Jan. ..	19	7 Feb.
Campbell, J. P., Wellington, N.Z. Electrical distribution. (B. G. Lamme)	18463	7 Mar. ..	30	21 Mar.
Campbell, J. P., Wellington, N.Z. Electrical distribution. (N. W. Storer)	18512	30 Mar. ..	35	4 April.
Chapman, A. H., Kurow, N.Z. Thawing frozen meat ..	18390	7 Feb. ..	26	7 Mar.
Chapman, J. A., Dunedin, N.Z. Dredging apparatus ..	18389	7 Feb. ..	26	7 Mar.
Church, F. F., Rochester, U.S.A. Voting-machine. (A. J. Gillespie)	18335	28 Jan. ..	23	21 Feb.
Clancy, J. C., and another, Sydney, N.S.W. Extracting gold, &c. ..	18354	30 Jan. ..	23	21 Feb.*
Clapham, J. N., Ashhurst, N.Z. Rein-holder and wheel-stop ..	18318	16 Jan. ..	15	30 Jan.*
Clark, E. L., Auckland, N.Z. Fire-extinguisher ..	18322	15 Jan. ..	19	7 Feb.*
Clark, F. L., Pittsburg, U.S.A. (See J. P. Campbell, No. 18317.)				
Clark, T., Auckland, N.Z. Fastening for leggings ..	18467	12 Mar. ..	30	21 Mar.
Clinton, P. P. J., Nelligan, N.S.W. Vehicle-brake ..	18398	13 Feb. ..	26	7 Mar.*
Clyde Chemical Company, Limited, The, Sydney, N.S.W. Extracting oxide of chromium from its ores. (G. Cox)	18396	18 Feb. ..	26	7 Mar.
Cockerell, R., Dunedin, N.Z. Amalgamating screen and table ..	18352	19 Jan. ..	23	21 Feb.
Cole, T., and another, London, Eng. Refrigerating apparatus ..	18501	26 Mar. ..	35	4 April.
Cole, W. L., and another, London, Eng. Refrigerating apparatus ..	18501	26 Mar. ..	35	4 April.
Coles, G. A., Auckland, N.Z. Boot- and shoe-upper ..	12702	16 June, 1900..	5	10 Jan.
Collins, N., London, Eng. (See Empire Cash Register, Limited, No. 18514.)				
Concentrated Beer Company, Limited, London, Eng. Production of beer. (H. A. Hobson)	18325	17 Jan. ..	15	30 Jan.
Corrick, H., Wellington, N.Z. Chrome-dressed leather ..	18357	30 Jan. ..	23	21 Feb.
Corrick, J. F., Havelock, N.Z. Conveyor or elevator ..	18234	10 Dec., 1900 ..	15	30 Jan.
Cory, F. S., Wellington, N.Z. Boot- and shoe-heel. (W. McKenzie)	18387	9 Feb. ..	23	21 Feb.*
Coulthard, T. W., Mangapai, N.Z. Chair ..	12432	28 Feb., 1900 ..	5	10 Jan.
Cowles, L. H., Melbourne, Vic. Reaping-and-binding harvester. (W. N. Whitely)	18338	28 Jan. ..	30	21 Mar.*
Cox, G., Parramatta, N.S.W. (See Clyde Chemical Company, Limited, No. 18396.)				
Cox, W. F., and others, Milton, U.S.A. Machine for covering boxes	18447	6 Mar. ..	30	21 Mar.
Cox, W. F., and others, Milton, U.S.A. Machine for covering boxes	18351	29 Jan. ..	39	18 April.
Craig, H., and others, San Francisco, U.S.A. Manufacturing brooms from New Zealand flax	18030	27 Sept., 1900..	26	7 Mar.
Crane, J., and others, Hobart, Tasmania. Removing barnacles from hulls of vessels	18249	13 Dec., 1900..	19	7 Feb.
Cren, La. (See under L.)				
Croasdale, S., and another, Denver, U.S.A. Treating ores ..	18315	15 Jan. ..	15	30 Jan.
Crown Gold-milling Company, San Francisco, U.S.A. Dry concentrator. (F. W. Wood)	18382	7 Feb. ..	23	21 Feb.
Cull, J. E. L., Dunedin, N.Z. Separating magnetic material ..	18345	24 Jan. ..	23	21 Feb.
Cullen, F. N., Toronto, Canada. (See G. G. Turri, No. 18455.)				
Cuming, A. J., St. Albans, N.Z. Branding animals ..	12362	16 Feb., 1900..	15	30 Jan.
Curling, J. L., Dunedin, N.Z. Shot-making machine ..	18420	20 Feb. ..	26	7 Mar.
Cusdin, T., and another, Armadale, Vic. Horse-shoe ..	12796	16 July, 1900 ..	23	21 Feb.
Cyclone Woven-wire Fence Company, Holly, Michigan, U.S.A. (See S. W. Shaw, No. 12405.)				
Daily, J. J., Richmond, Christchurch, N.Z. Boot or shoe..	18230	20 Dec., 1900..	15	30 Jan.
Danhardt, F. H., and another, Richmond, Vic. Earth- or rock-drill	12464	16 Mar., 1900..	19	7 Feb.
Darling, J., Rutherglen, Scot'nd. (See Darling's Patent Automatic Coupling, Limited, No. 18460.)				
Darling's Patent Automatic Coupling, Limited, Glasgow, Scotland. Railway-coupling. (J. Darling)	18460	7 Mar. ..	30	21 Mar.
Davidge, W. T., and another, Onehunga, N.Z. Serviette-holder ..	18296	2 Jan. ..	5	10 Jan.
Daw, J. G., Llanely, Great Britain. Stamping-head and die for crushing ores	18459	7 Mar. ..	30	21 Mar.
De Baugh, H. W., and another, Auckland, N.Z. Furnace ..	18480	13 Mar. ..	35	4 April.
De Baun, A., Perth, W.A. Registering billiard-scores ..	18376	7 Feb. ..		
Dennes, A. C., Auckland, N.Z. Catch for brooch-pin ..	18492	25 Mar. ..	35	4 April.*
Diehl, P., Elizabethport, U.S.A. Sewing-machine ..	18311	11 Jan. ..		
Donald, D., Masterton, N.Z. Lifting-jack ..	18369	4 Feb. ..	23	21 Feb.*
Douglas, T., London, Eng. Cooling air ..	18409	14 Feb. ..	26	7 Mar.
Douglas, W. E., and another, Gunnedah, N.S.W. Truck and elevator	18433	1 Mar. ..	26	7 Mar.*
Downs, J., New Plymouth, N.Z. Spark-arrester ..	18469	11 Mar. ..		
Draper, T. T., Melbourne, Vic. Extracting liquid solutions from slime, &c.	18472	13 Mar. ..	30	21 Mar.*
Drewett, T. J. C., London, Eng. Flog for stereo-mould ..	18507	26 Mar. ..		
Drower, G. B., Kingsland, N.Z. Roller brake for cycles ..	18386	4 Feb. ..	23	21 Feb.*
Durkee, L., Denver, U.S.A. (See Mine and Smelter Company, No. 18505.)				
Dyson, H. J., and others, Hobart, Tasmania. Removing barnacles from hulls of vessels	18249	13 Dec., 1900..	19	7 Feb.

ALPHABETICAL LIST OF APPLICANTS FOR LETTERS PATENT—*continued.*

Name, Address, and Invention.	Application.		Gazette.	
	No.	Date.	No.	Date.
Edwards, W. H., and another, Onehunga, N.Z. Starting-barrier ..	13329	18 Jan. ..	23	21 Feb.*
Ellison, T. R., Wellington, N.Z. Cycle ..	12472	20 Mar., 1900..	5	10 Jan.
Elmore, F. E., London, Eng. (See W. McDermott, No. 13377.)				
Empire Cash-register, Limited, London, Eng. Cash-register. (N. Collins)	13514	29 Mar. ..	35	4 April.
Eneas, A. G., Boston, U.S.A. (See Solar Motor Company, No. 13486.)				
Eureka Shoe Company, Manchester, U.S.A. Hand tacking-tools. (A. Herbert)	13381	7 Feb. ..	30	21 Mar.
Evans, H., Narrawa, N.S.W. Gold-saving appliance ..	13434	1 Mar. ..	26	7 Mar.*
Felton, S. A., Wellington, N.Z. Railway-shunters' boot ..	13449	6 Mar. ..	30	21 Mar.*
Ferrar, D. B., Invercargill, N.Z. Sheep-shearing machine ..	13510	27 Mar. ..	35	4 April.*
Finch, C. E., and another, Paeroa, N.Z. Scoop for cleaning cesspit	12503	4 April, 1900..	15	30 Jan.
Finch, T., and another, Paeroa, N.Z. Scoop for cleaning cesspit ..	12503	4 April, 1900..	15	30 Jan.
Finlayson, C. T., Denver, U.S.A. (See A. Leschen and Sons' Rope Company, No. 13411.)				
Forsyth, W. H., Bristol, Eng. Cycling-trousers ..	13496	26 Mar. ..	..	..
Foster, G., Heriot, N.Z. Gold-saving mat ..	13291	4 Jan. ..	15	30 Jan.*
Francis, J. A., Norwood, S.A. Fly- or insect-trap ..	13033	3 Oct., 1900 ..	23	21 Feb.
Frasch, H. A., Hamilton, Canada. Recovering metals ..	13372	7 Feb. ..	30	21 Mar.
Frasch, H. A., Hamilton, Canada. Extracting metals ..	13373	7 Feb. ..	30	21 Mar.
Fraser, G., jun., and another, Auckland, N.Z. Revolving vacuum-filter	13517	28 Mar. ..	39	18 April.
Fraser, S. E., and another, Waikino, N.Z. Revolving vacuum-filter	13517	28 Mar. ..	39	18 April.
Fricke, G. C., and another, London, Eng. Electricity-meter ..	13293	10 Feb., 1900†	15	30 Jan.
Gates, E., Chevy Chase, Maryland, U.S.A. Separating paramagnetic and diamagnetic materials	13277	28 Dec., 1900 ..	19	7 Feb.
Gaut, J., Leichhardt, Sydney, N.S.W. Firearms ..	13400	13 Feb. ..	26	7 Mar.*
Gaut, J., Leichhardt, Sydney, N.S.W. Small-arms ..	13401	13 Feb. ..	26	7 Mar.*
Gell, J., Nelson, N.Z. Moistening adhesive surfaces ..	13444	5 Mar. ..	30	21 Mar.*
Gell, J., Nelson, N.Z. Wheatstone automatic perforator ..	13475	14 Mar. ..	30	21 Mar.*
Gibbon, E. A., Blenheim, N.Z. Hackling-machine ..	13391	8 Feb. ..	23	21 Feb.
Gibbs, R. W., Nelson, N.Z. Window-sash hanger ..	13294	4 Jan. ..	23	21 Feb.
Gillespie, A. J., Rochester, U.S.A. (See F. F. Church, No. 13335.)				
Ginn, M. E., and others, Winchester, U.S.A. Machine for covering boxes	13447	6 Mar. ..	30	21 Mar.
Ginn, M. E., and others, Winchester, U.S.A. Machine for covering boxes	13351	29 Jan. ..	39	18 April.
Girdler, E., Green Hills, Southland, N.Z. Jaw for stone-crusher ..	12527	9 April, 1900..	15	30 Jan.
Glade, H., North Fitzroy, Vic. Road-skate ..	13421	21 Feb. ..	26	7 Mar.
Gladstone, W. E., and another, Invercargill, N.Z. Gold-saving appliances	12713	22 June, 1900..	30	21 Mar.
Godfrey Calciner, Limited, London, Eng. Calcining-furnace. (J. Godfrey)	13436	1 Mar. ..	..	..
Godfrey, J., Swansea, Eng. (See Godfrey Calciner, Limited, No. 13436.)				
Golden Link Consolidated Gold-mines, Limited, London, Eng. Extracting metals from ores. (H. J. Phillips)	13422	21 Feb. ..	26	7 Mar.
Goldsworthy, R. H., Mullet Point, Mahurangi, N.Z. Garden-tool holder	12485	23 Mar., 1900..	5	10 Jan.
Grass, H., Flowerdale, Vic. Horse-driving device ..	13485	22 Mar. ..	35	4 April.*
Greedy, T. G., and another, Gunedah, N.S.W. Truck and elevator	13433	1 Mar. ..	26	7 Mar.*
Guin, W. C., Christchurch, N.Z. Shirt-cuff protector ..	13358	30 Jan. ..	23	21 Feb.*
Guinan, M., Kelso, N.Z. Dredge grubber and tumbler-shaft ..	13371	4 Feb. ..	23	21 Feb.*
Gutensohn, A., London, Eng. (See Sulphur Elimination Syndicate, Limited, No. 13509.)				
Hadley, P. A., Auckland, N.Z. Colour-printing machine ..	13450	6 Mar. ..	30	21 Mar.
Hagerty, J., and others, Winton, N.Z. Wheel ..	13232	10 Dec., 1900 ..	19	7 Feb.*
Hagerty, W., and others, Winton, N.Z. Wheel ..	13232	10 Dec., 1900 ..	19	7 Feb.*
Hair, J., Oamaru, N.Z. Envelope ..	13304	7 Jan. ..	19	7 Feb.*
Hale, E., Keruru, Hawke's Bay, N.Z. Castrating animals ..	13489	22 Mar. ..	35	4 April.*
Hall, G., Lepperton, N.Z. Ear-mark for live-stock ..	13478	11 Mar. ..	30	21 Mar.
Hall, J., Leeds, Eng. Machine for registering material ..	13416	20 Feb. ..	26	7 Mar.
Hall, R. A., New York, U.S.A. (See American Tobacco Company, No. 13500.)				
Hall, W. Y. H., Invercargill, N.Z. Cultivator-attachment to plough	13363	29 Jan. ..	23	21 Feb.*
Hall, W. Y. H., Invercargill, N.Z. Plough ..	13364	29 Jan. ..	23	21 Feb.*
Hankins, J. H., and others, Palmerston North, N.Z. Hoist ..	12486	27 Mar., 1900..	5	10 Jan.
Hardy, E. H., Waiorongomai, N.Z. Preventing loss of gold in amalgamating-pans	13504	28 Mar. ..	35	4 April.*
Harkness, B. G. A., Stratford, N.Z. Water-heater ..	13439	2 Mar. ..	35	4 April.*
Hazelton, W. S., Windsor, Vic. Extracting gold ..	13468	13 Mar. ..	30	21 Mar.*
Hearse, T. P., Roto Aira, N.Z. Bicycle-gearing ..	13374	4 Feb. ..	23	21 Feb.*
Henderson, A. C., and others, Invercargill, N.Z. Wheel ..	13232	10 Dec., 1900 ..	19	7 Feb.*
Henderson, J., Hawera, N.Z. Shaft-tug ..	13272	27 Dec., 1900 ..	19	7 Feb.
Herbert, A., Manchester, U.S.A. (See Eureka Shoe Company, No. 13381.)				
Herbert, A., Perth, Western Australia. (See J. T. Hunter, No. 13286.)				
Herbert, J., Hawkhurst, N.Z. Attachment to plough ..	13417	20 Feb. ..	26	7 Mar.
Herr, E. M., and another, Pittsburg, U.S.A. (See J. T. Hunter, No. 13298.)				

ALPHABETICAL LIST OF APPLICANTS FOR LETTERS PATENT—continued.

Name, Address, and Invention.	Application.		Gazette.	
	No.	Date.	No.	Date.
Hewitson, A. J., Nelson, N.Z. Cycle-support	13495	26 Mar. ..	39	18 April.*
Hewitt, W., and others, Trenton, New Jersey, U.S.A. (See S. W. Shaw, No. 12405.)				
Hewton, T., Waianakarua, N.Z. Wire-strainer	13309	7 Jan. ..	15	30 Jan.
Hiddleston, A. H., Woodlands, N.Z. Cleaning and polishing boots, &c.	13502	20 Mar. ..	35	4 April.*
Hill, E. R., Wilkinsburg, U.S.A. Pump-controlling mechanism ..	13343	28 Jan. ..	19	7 Feb.
Hill, E. R., Wilkinsburg, U.S.A. Electro-pneumatic controlling system	13454	7 Mar. ..	30	21 Mar.
Hobson, H. A., London, Eng. (See Concentrated Beer Company, Limited, No. 13325.)				
Hodgson, H., Opunake, N.Z. Tinning metal goods	13499	26 Mar. ..	35	4 April.*
Hogg, J., Wanganui, N.Z. Cart-saddle bridge	13327	17 Jan. ..	19	7 Feb.*
Holman, W. A., Auckland, N.Z. Spouting-strap	12733	21 June, 1900	5	10 Jan.
Honneus Sulphide Company, Limited, Perth, W.A. Converting refractory ore into free-milling ore. (A. Honneus)	13498	26 Mar. ..	..	..
Honneus, A., Perth, W.A. (See Honneus Sulphide Company, Limited, No. 13498.)				
Hornsby, W., and another, Grantham, Eng. Ploughshare ..	13299	7 Jan. ..	15	30 Jan.*
House, H., Oamaru, N.Z. Adjustable seat and body for gig ..	13303	5 Jan. ..	15	30 Jan.*
Howard, J. G., Sydney, N.S.W. Threshing machinery	13513	29 Mar. ..	35	4 April.*
Howard, J. G., Melbourne, Vic. Metallic storage-case	13443	5 Mar. ..	30	21 Mar.*
Hughes, W. E., Wellington, N.Z. Electric-brake mechanism. (F. C. Newell)	13341	28 Jan. ..	19	7 Feb.
Hughes, W. E., Wellington, N.Z. Electric brake. (F. C. Newell) ..	13342	28 Jan. ..	19	7 Feb.
Hughes, W. E., Wellington, N.Z. Electrical distribution. (B. G. Lamme)	13453	7 Mar. ..	30	21 Mar.
Hughes, W. E., Wellington, N.Z. Bottle. (A. C. C. Liardet) ..	13388	9 Feb. ..	..	..
Hughes, W. E., Wellington, N.Z. Motor vehicle. (The British Motor Traction Company, Limited)	13461	7 Mar. ..	..	..
Hunter, J. T., Wellington, N.Z. Extracting gold. (A. Herbert) ..	13286	3 Jan. ..	5	10 Jan.
Hunter, J. T., Wellington, N.Z. Electric railway. (F. C. Newell and E. M. Herr)	13298	7 Jan. ..	15	30 Jan.
Hutton, A., and another, Matura, N.Z. Spark-arrester	13356	30 Jan. ..	26	7 Mar.*
Jackson, A. G., Brisbane, Queensland. Bicycle-attachment for securing rifles, &c.	13437	1 Mar. ..	26	7 Mar.
James, G., and another, Orehunga, N.Z. Starting-barrier	13329	18 Jan. ..	23	21 Feb.*
Jamison, J., Dunedin, N.Z. Tidal-power motor	13331	24 Jan. ..	26	7 Mar.
Jamison, J., Dunedin, N.Z. Brake	13332	13 Mar. ..	30	21 Mar.
Johnson, W. B., Liverpool, Eng. Ventilator	13328	19 Jan. ..	19	7 Feb.
Jones, H., Ascot Vale, Vic. Ore-crusher	13362	31 Jan. ..	23	21 Feb.*
Joshua Brothers Proprietary, Limited, Melbourne, Vic. Maturing of whisky, &c. (H. Breidahl)	13497	26 Mar. ..	35	4 April.
Keller, C. A., Paris, France. Resistance electric furnace	13300	7 Jan. ..	15	30 Jan.
Keller, C. A., Paris, France. Electric furnace	13336	21 May, 1900†	26	7 Mar.
Kettle, F., Roslyn, N.Z. Wool-scouring machine	13432	26 Feb. ..	26	7 Mar.*
Kingsland, W., London, Eng. Switch-box for electric traction ..	13164	15 Nov., 1900 ..	23	21 Feb.
Kingsland, W., London, Eng. Operating electrical switches ..	13163	15 Nov., 1900 ..	23	21 Feb.
Kirkpatrick, J. S., Dunedin, N.Z. Electro interlocking block starting-semaphore	13344	22 Jan. ..	19	7 Feb.
Laak, Van. (See under V.)				
Lamme, B. G., Pittsburg, U.S.A. (See W. E. Hughes, No. 13453.)				
Lamme, B. G., Pittsburg, U.S.A. (See J. P. Campbell, Nos. 13343 and 13463.)				
Lancashire, J. H., and another, London, Eng. Treating ores ..	13457	7 Mar. ..	30	21 Mar.*
Lane, C., and others, Holly, Michigan, U.S.A. (See S. W. Shaw, No. 12405.)				
Lane, J., and others, Holly, Michigan, U.S.A. (See S. W. Shaw, No. 12405.)				
Lanigan, P., Auckland, N.Z. Machine for cutting stone	13346	24 Jan. ..	19	7 Feb.*
Larkin, M. D., Dayton, U.S.A. Relief-valve	13477	14 Mar. ..	30	21 Mar.
Laurie, W. S., and others, Auckland, N.Z. Manufacture of brooms from New Zealand flax	13030	27 Sept., 1900 ..	26	7 Mar.
Lawrence, A. T., Invercargill, N.Z. Tile-ditching machine ..	13366	30 Jan. ..	23	21 Feb.*
Lawrence, W. H., Richmond, Christchurch, N.Z. Watering-bench for pot-plants	13464	8 Mar. ..	30	21 Mar.*
Le Cren, W., and others, Christchurch, N.Z. Gold-saving apparatus	13385	6 Feb. ..	23	21 Feb.*
Leschen and Sons' Rope Company, A., St. Louis, U.S.A. Aerial wire-rope tramway. (C. T. Finlayson)	13411	15 Feb. ..	..	..
Liardet, A. C. C., New York, U.S.A. (See W. E. Hughes, No. 13388.)				
Linotype Company, Limited, The, London, Eng. (See E. Waters, Nos. 13308, 13405.)				
Littlefield, R. D., and another, Thornton Heath, Surrey, Eng. Manufacture of refractory bricks, &c.	13470	13 Mar. ..	30	21 Mar.
Ljungstrom, B., Stockholm, Sweden. Endless curved track of balanced rotary steam-engine	13458	7 Mar. ..	30	21 Mar.
Ljungstrom, B., Stockholm, Sweden. (See E. Waters, jun., No. 12478.)				
Locke, B. H., Denver, U.S.A. Devices for converting rotary into reciprocating motion	13462	7 Mar. ..	..	..
Long, J., Springfield, U.S.A. Bench-vise	13260	20 Dec., 1900 ..	30	21 Mar.
Lowson, J., and another, Grantham, Eng. Ploughshare	13299	7 Jan. ..	15	30 Jan.*

ALPHABETICAL LIST OF APPLICANTS FOR LETTERS PATENT—continued.

Name, Address, and Invention.	Application.		Gazette.	
	No.	Date.	No.	Date.
Luxford, W. L., and others, Palmerston North, N.Z. Hoist ..	12486	27 Mar., 1900..	5	10 Jan.
Maokay, D. W., and another, Maitaia, N.Z. Contrivance for detach- ing horse from carriage	13319	15 Jan. ..	15	30 Jan.*
Mackay, D. W., and another, Maitaia, N.Z. Spark-arrester ..	13356	30 Jan. ..	26	7 Mar.*
Mackrell, E. J., Buln Buln, Vic. Attachment for butter-working machine	13292	5 Jan. ..	15	30 Jan.*
Maconochie, A. W., London, Eng. Tin for preserved foods ..	13471	13 Mar. ..	30	21 Mar.
Madden, A. J., Melbourne, Vic. Filter ..	12673	12 June, 1900..	26	7 Mar.
Maddison, F. S., and another, Templeton, N.Z. Potato digger ..	13503	25 Mar. ..	35	4 April.*
Maddren, W. J., Christchurch, N.Z. Securing horse-covers ..	13359	30 Jan. ..	23	21 Feb.*
Magnus, O., and others, Christchurch, N.Z. Gold-saving apparatus	13385	6 Feb. ..	23	21 Feb.*
Mailer, M., and another, North Carlton, Vic. Earth- or rock-drill ..	12464	16 Mar., 1900..	19	7 Feb.
Marsland, L. W., and another, Sydney, N.S.W. Extracting gold, &c.	13354	30 Jan. ..	23	21 Feb.*
Martin, P., Mokihinui, N.Z. Armour- and fortification-plate	13481	15 Mar. ..	35	4 April.*
Maxwell, E., Opunake, N.Z. Maintaining uniform tension on wire ropes	12718	22 June, 1900..	19	7 Feb.
May, H., Auckland, N.Z. Sash-and-frame combination ..	13084	20 Oct., 1900 ..	5	10 Jan.
Mayo, B. F., Salem, U.S.A. (See United Shoe Machinery Company, No. 13487.)				
McCarthy, J. F., Remuera, Auckland, N.Z. Spark-arrester ..	12525	9 April, 1900	15	30 Jan.
McDermott, W., London, Eng. Ore-concentrator. (F. E. Elmore)	13377	7 Feb. ..	23	21 Feb.
McDougall, I., and another, Manchester, Eng. Sheep dip ..	13378	7 Feb. ..	23	21 Feb.
McDougall, I. S., and another, Manchester, Eng. Sheep-dip ..	13378	7 Feb. ..	23	21 Feb.
McGregor, E., Mangaonoho, N.Z. Excavating and dredging earth..	12923	29 Aug., 1900..	5	10 Jan.
McGregor, R., Selwyn, N.Z. Test for ascertaining amount of butter in milk	13484	19 Mar. ..	35	4 April.*
McIlwrick, W. M., Melbourne, Vic. Rabbit-crate ..	13423	21 Feb. ..	26	7 Mar.*
McKenzie, W., Wellington, N.Z. (See F. S. Cory, No. 13387.)				
McLeod, H. N., Wellington, N.Z. (See M. D. McLeod, No. 13363.)				
McLeod, M. D., Wellington, N.Z. Dredging apparatus. (H. N. McLeod)	13368	5 Feb. ..	26	7 Mar.*
McLeod, R. A., Kaihu, Auckland, N.Z. Winch ..	12659	30 May, 1900 ..	26	7 Mar.
Medhurst, W., Pahiatua, N.Z. Securing horse-covers ..	13337	28 Jan. ..	23	21 Feb.
Millane, J. A., Pakenham, Vic. Contrivance for enabling horses to carry their own forage	13360	31 Jan. ..	23	21 Feb.*
Milnes, S., and another, Auckland, N.Z. Furnace ..	13480	13 Mar. ..	35	4 April.
Mine and Smelter Company, Denver, U.S.A. Rock-drill. (L. Durkee)	13505	28 Mar. ..	35	4 April.
Mitchell, J., Auckland, N.Z. Leg-guard ..	13446	28 Feb. ..	35	4 April.
Montgomery, J., Wellington, N.Z. Fastening for straps of animal- covers	13392	12 Feb. ..	26	7 Mar.
Montgomery, J., Wellington, N.Z. Railway ..	13415	18 Feb. ..	26	7 Mar.*
Moorehouse, M. L., and others, Hobart, Tasmania. Removing barnacles from hulls of vessels	13249	13 Dec., 1900..	19	7 Feb.
Mordey, W. M., and another, Westminster, Eng. Electricity-meter	13293	10 Feb., 1900†	15	30 Jan.
Morscher, L. N., and another, Neodesha, U.S.A. Separating con- ductors from non-conductors	13407	14 Feb. ..	26	7 Mar.
Newell, F. C., Wilkinsburg, U.S.A. (See W. E. Hughes, Nos. 13341, 13342.)				
Newell, F. C., Wilkinsburg, U.S.A. Electric-brake regulator ..	13287	28 April, 1900†	15	30 Jan.
Newell, F. C., Wilkinsburg, U.S.A. Electric-brake shoe ..	13288	28 April, 1900†	15	30 Jan.
Newell, F. C., Wilkinsburg, U.S.A. Electric brake ..	13289	2 May, 1900†	15	30 Jan.
Newell, F. C., Wilkinsburg, U.S.A. Electric brake ..	13297	3 May, 1900†	15	30 Jan.
Newell, F. C., and another, Wilkinsburg, U.S.A. (See J. T. Hunter, No. 13298.)				
Newell, J. C., Palmerston North, N.Z. Music-leaf turner ..	13383	8 Feb. ..	23	21 Feb.
Newlyn, J. H., Christchurch, N.Z. Railway-coupling ..	13306	8 Jan. ..	15	30 Jan.*
Newth, F. E., Palmerston North, N.Z. Handle for meat-dish, &c...	13399	13 Feb. ..	26	7 Mar.
Nicholas, A. M., Peak Hill, W.A. Rotating filtering apparatus ..	13397	13 Feb. ..	26	7 Mar.
Nicol, W., Invercargill, N.Z. Dust- and rain-excluder for doors ..	13284	2 Jan. ..	15	30 Jan.*
Norris, F. M., Hunterville, N.Z. Oil-distributing appliance for heavy sea	13279	28 Dec., 1900..	15	30 Jan.*
Norris, F. M., Hunterville, N.Z. Bottle..	13427	26 Feb. ..	26	7 Mar.*
Ockenden, A. G., Auckland, N.Z. Music-carrier ..	13221	3 Dec., 1900..	26	7 Mar.
Otway, A. E., and another, Invercargill, N.Z. Cycle-frame ..	13452	2 Mar. ..	30	21 Mar.*
Oxlade, R., and another, Redfern, N.S.W. Electric telegraphy ..	13418	20 Feb. ..	26	7 Mar.
Page, F. T., Penshurst, N.Z. Wire-grip..	13266	20 Dec., 1900..	30	21 Mar.
Painter, W., Ashburton, N.Z. Plough ..	13282	2 Jan. ..	5	10 Jan.
Paramore, E. C., Germantown, U.S.A. Treating chlorine gas ..	13476	14 Mar. ..	30	21 Mar.
Parsons, C. A., Newcastle-on-Tyne, Eng. Screw propeller ..	13355	30 Jan. ..	23	21 Feb.
Passow, H., Hamburg, Germany. Production of cement ..	13379	7 Feb. ..	23	21 Feb.
Patterson, R. L., Manhattan, New York, U.S.A. (See American Tobacco Company, No. 13406.)				
Payne, W., Orange, N.S.W. Extracting copper from ore ..	13488	22 Mar. ..	35	4 April.*
Pearson, W. H., and another, Dunedin, N.Z. Flooring-cramp ..	13490	20 Mar. ..	35	4 April.
Peck, W., Dunedin, N.Z. Centrifugal tailings-elevator ..	13425	22 Feb. ..	26	7 Mar.*
Perky, H. D., Niagara Falls, U.S.A. Biscuit-making machine ..	13482	19 Mar. ..	..	..
Phillips, H. J., Westminster, Eng. (See Golden Link Consolidated Gold-mines, Limited, No. 13422.)				
Phillips, J. M., Wharepapa, N.Z. Windmill-regulator ..	13465	8 Mar. ..	35	4 April.*

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Name, Address, and Invention.	Application.		Gazette.	
	No.	Date.	No.	Date.
Phoenix Investment Company, New York, U.S.A. (See E. Waters, No. 13340.)				
Pocock, A. C., and another, Dannevirke, N.Z. Acetylene-gas generator	13267	21 Feb. ..	26	7 Mar.
Pöhlé, E. C., and another, Denver, U.S.A. Treating ores ..	13315	15 Jan. ..	15	30 Jan.
Pupin, M. I., New York, U.S.A. Reducing attenuation of electrical waves	13410	12 Feb. ..	26	7 Mar.
Purves, W. T., Edinburgh, Scotland. Carburetter ..	12745	29 June, 1900..	30	21 Mar.
Rasmussen, H. P., and others, Winton, N.Z. Wheel ..	13232	10 Dec., 1900..	19	7 Feb.*
Rawson, W. S., and another, London, Eng. Manufacture of refractory bricks	13470	13 Mar. ..	30	21 Mar.
Raymond, F. V., and another, Invercargill, N.Z. Bicycle-frame ..	13452	2 Mar. ..	30	21 Mar.*
Rice, J. W., and another, Armadale, Vic. Horse-shoe ..	12796	16 July, 1900 ..	23	21 Feb.
Richards, A., Auckland, N.Z. Woven-wire mattress ..	12471	16 Mar., 1900..	30	21 Mar.
Richardson, G. J. A., Invercargill, N.Z. Furniture-caster ..	12973	6 Sept., 1900 ..	19	7 Feb.
Richardson, W. E., Outram, N.Z. Automatic brake ..	13414	14 Feb. ..	26	7 Mar.
Richardson, W. J. W., and another, Annandale, N.S.W. Electric telegraphy	13418	20 Feb. ..	26	7 Mar.
Ritchie, F., London, Eng. (See C. P. Treat, No. 13285.)				
Robb, J., Gore, N.Z. Clothes-peg	13393	13 Feb. ..	35	4 April.*
Robb, J., Gore, N.Z. R-gistering apparatus	13394	13 Feb. ..	35	4 April.*
Robb, J., Gore, N.Z. Box-making machine	13426	25 Feb. ..	35	4 April.*
Robertshaw, F. E., Auckland, N.Z. Introduction of forced-air blast in dry quartz-crushing	13494	23 Mar. ..	39	18 April.*
Robertson, J., Glasgow, Scotland. Furniture	13071	15 Oct., 1900 ..	23	21 Feb.
Robertson, J., Glasgow, Scotland. Furniture	13451	6 Mar. ..	..	..
Robinson, C., Edgewood Park, Pennsylvania, U.S.A. (See J. P. Campbell, Nos. 13302 and 13349.)				
Rollo, D. F., Harapipi, N.Z. Appliance for milking cows..	13440	4 Mar. ..	30	21 Mar.*
Rollo, D. F., Harapipi, N.Z. Appliance for dehorning cattle ..	13441	4 Mar. ..	30	21 Mar.*
Ross, H. I. M., Dunedin, N.Z. Ventilating cars, &c. ..	13518	29 Mar. ..	39	18 April.
Scarf, W., and another, Christchurch, N.Z. Scythe-brace ..	13413	18 Feb. ..	26	7 Mar.*
Shaw, H., Leeston, N.Z. Horse-cover fastening	12479	20 Mar., 1900..	15	30 Jan.
Shaw, S. W., New Plymouth, N.Z. Fence. (Cyclone Woven-wire Fence Company—W. Hewitt and J. and C. Lane)	12405	20 Feb., 1900..	5	10 Jan.
Shepherd, J., Invercargill, N.Z. Button	13310	10 Jan. ..	15	30 Jan.*
Shore, W. A., and another, Gore, N.Z. Gold-saving appliance ..	13493	25 Mar. ..	35	4 April.
Siebold, O., Newbrandenburg, Germany. Production of alkali compounds	13380	7 Feb. ..	23	21 Feb.
Smith, A., Christchurch, N.Z. Measure- and cost-indicating apparatus	13424	21 Feb. ..	30	21 Mar.
Smith, C. B., Dunedin, N.Z. Counter-sales book. (E. M. Wildey)	13479	15 Mar. ..	35	4 April.
Smith, G. G., Florence, Italy. Acetylene-gas generator ..	13350	29 Jan. ..	19	7 Feb.
Smyth, W. H., Berkeley, U.S.A. Mechanical stoker	13321	17 Jan. ..	19	7 Feb.
Snell, C. S., Saltash, Eng. Compressing gas or air	13316	15 Jan. ..	15	30 Jan.
Solar Motor Company, Boston, U.S.A. Solar generator. (A. G. Eneas)	13486	22 Mar. ..	..	..
Speight, B., and another, Woodville, N.Z. Marine governor ..	13281	2 Jan. ..	5	10 Jan.*
Speight, J., and another, Kirwee, N.Z. Marine governor ..	13281	2 Jan. ..	5	10 Jan.*
Spencer, A., London, Eng. Signalling to guard on railway-train ..	13307	8 Jan. ..	15	30 Jan.
Spencer, W., Luthersdale, York, Eng. Kiln for burning limestone..	13361	31 Jan. ..	23	21 Feb.
Stewart, J. K., Chicago, U.S.A. Shearing-tool	13403	14 Feb. ..	..	..
Storer, N. W., Edgewood Park, Pennsylvania, U.S.A. (See J. P. Campbell, No. 13512.)				
Storrie, A., Invercargill, N.Z. Lime and manure lifter and distributor	13326	14 Jan. ..	15	30 Jan.*
Struthers, W., Sydney, N.S.W. Bucket dredge. (J. Welman) ..	13323	15 Jan. ..	30	21 Mar.
Sudre, C. G., and another, Paris, France. Treating oxides of metals	13456	7 Mar. ..	..	..
Sulphur Elimination Syndicate, Limited, London, Eng. Eliminating sulphur from ores. (A. Gutensohn)	13509	29 Mar. ..	35	4 April.
Suttie, C., Onehunga, N.Z. Crushing or grinding mineral ..	12642	23 May, 1900..	26	7 Mar.
Suttie, C., Onehunga, N.Z. Sole-leather-rolling machine ..	12643	23 May, 1900..	26	7 Mar.
Taylor, F. W., and another, South Bethlehem, U.S.A. (See Bethlehem Steel Company, No. 13301.)				
Taylor, T. E., and another, Christchurch, N.Z. Scythe-brace ..	13413	18 Feb. ..	26	7 Mar.*
Taylor, W., and another, Invercargill, N.Z. Gold-saving appliance	12713	22 June, 1900..	30	21 Mar.
Thierry, C. V., and another, Paris, France. Treating oxides of metals	13456	7 Mar. ..	..	..
Toms, E., and another, Palmerston North, N.Z. Acetylene-gas generator	13267	21 Feb. ..	26	7 Mar.
Treat, C. P., London, Eng. Telautograph apparatus. (F. Ritchie.)	13285	3 Jan. ..	39	18 April.
Trevor, S. C. R., Mangawhare, N.Z. Manufacturing spirits and oils from kauri soil and refuse	12647	23 May, 1900..	26	7 Mar.
Trivick, S., Clapham, Surrey, Eng. Solvent for metals	13313	15 Jan. ..	15	30 Jan.
Troup, J., Christchurch, N.Z. Spouting bracket	13353	28 Jan. ..	23	21 Feb.
Turri, G. G., Melbourne, Vic. Cycle-pedal. (F. N. Cullen) ..	13455	7 Mar. ..	30	21 Mar.
United Shoe Machinery Company, Paterson, U.S.A. Boot-protector div. r. (B. F. Mayo)	13487	22 Mar. ..	..	..
Vader C. J., and another, Annandale, N.S.W. Wrest-pin for piano	13508	29 Mar. ..	35	4 April.
Van Laak, L., and others, San Francisco, U.S.A. Manufacturing brooms from New Zealand flax	13030	27 Sept., 1900..	26	7 Mar.

ALPHABETICAL LIST OF APPLICANTS FOR LETTERS PATENT—continued.

Name, Address, and Invention.	Application.		Gazette.	
	No.	Date.	No.	Date.
Wade, F. C., Auckland, N.Z. Swivel for ball-punching purposes ..	13516	28 Mar. ..	..	..
Walker, J. A., Melrose, Auckland, N.Z. Closet-pan cover ..	13466	8 Mar. ..	30	21 Mar.*
Waters, E., jun., Melbourne, Vic. Rotary steam-engine. (B. Ljungstrom)	12478	21 Mar., 1900..	19	7 Feb.
Waters, E., Melbourne, Vic. Feeding pulverised fuel to steam boiler. (Phoenix Investment Company—T. Asencio)	13340	28 Jan. ..	19	7 Feb.
Waters, E., jun., Melbourne, Vic. Printing music typographically. (Linotype Company, Limited—J. Broadhouse)	13405	14 Feb. ..	39	18 April.
Waters, E., Melbourne, Vic. Linotype. (Linotype Company, Limited)	13308	10 Jan. ..	..	..
Watt, N., Dunedin, N.Z. Spark-arrester	13324	16 Jan. ..	15	30 Jan.*
Webster, F. L., Vancouver, British Columbia. Gate and door ..	13333	28 Jan. ..	19	7 Feb.
Webster, J., Melbourne, Vic. Tin or can	13445	5 Mar. ..	30	21 Mar.
Wedekind, R., and another, Louisville, U.S.A. Fountain spittoon..	13339	28 Jan. ..	..	..
Welman, J., Sydney, N.S.W. (See W. Struthers, No. 13323.)				
Whishaw, W. M., Palmerston North, N.Z. Saucepan	13431	27 Feb. ..	26	7 Mar.*
White, J., and another, Dunedin, N.Z. Gold-saving appliance ..	13493	25 Mar. ..	35	4 April.
White, M., and another, Bethlehem, U.S.A. (See Bethlehem Steel Company, No. 13301.)				
Whitely, W. N., Springfield, U.S.A. (See L. H. Cowles, No. 13338.)				
Whitley, A. J., Kaiapoi, N.Z. Wind-gauge for rifle	13305	8 Jan. ..	15	30 Jan.*
Wilbey, E. M., Sydney, N.S.W. (See C. B. Smith, No. 13479.)				
Wilkinson, J., Glen Mill, York, Eng. Mixture for heating, lighting, and motor purposes	13404	14 Feb. ..	26	7 Mar.
Williams, A., Wellington, N.Z. Bicycle-brake	13330	23 Jan. ..	23	21 Feb.*
Williams, J., jun., Pittsburg, U.S.A. Gas-engine.	13290	3 Jan. ..	15	30 Jan.
Williams, J. T., Adelaide, S.A. Mechanism for sounding bells ..	13419	20 Feb. ..	..	..
Williams, R. B., St. Kilda, Vic. Dredging	13395	13 Feb. ..	26	7 Mar.*
Willison, J., Derby, Eng. Railway coupler and buffer	13212	5 Dec., 1900..	26	7 Mar.
Wilson, D., Mataura, N.Z. Keeping weeds, &c., clear of suction-pipes of dredges	12684	12 June, 1900..	30	21 Mar.
Wilson, W. H., and another, Marton, N.Z. Sheep-shearing machine	13483	20 Mar. ..	35	4 April.*
Wood, F. P., Auckland, N.Z. Tire	13412	16 Feb. ..	26	7 Mar.
Wood, F. W., San Francisco, U.S.A. (See Crown Gold-milling Company, No. 13382.)				
Wolff, G. S., Philadelphia, U.S.A. (See C. Booth, Nos. 13428 and 13429.)				
Worsey, J. W., and another, St. Helen's, Eng. Treating ores ..	13457	7 Mar. ..	30	21 Mar.*
Wright, W., and another, Dunedin, N.Z. Flooring-cramp	13490	20 Mar. ..	35	4 April.
Wylde, A. H., and others, Palmerston North, N.Z. Hoist	12486	27 Mar., 1900..	5	10 Jan.
Ziele, C. W., Christchurch, N.Z. Reservoir for nibs	13515	30 Mar. ..	35	4 April.*

Alphabetical List of Inventions for Quarter ending 31st March, 1901.

THIS list includes also applications lodged prior to but gazetted during the quarter, and complete specifications following provisional specifications, and gazetted during the quarter. Where the number and date of the Gazette are omitted, the application has not yet been accepted.

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

Invention.	Name.	Application.		Gazette.	
		No.	Date.	No.	Date.
Acetylene-generator	G. G. Smith	13350	29 Jan. ..	19	7 Feb.
Acetylene-generator	A. C. Pocock and E. Toms ..	12267	21 Feb. ..	26	7 Mar.
Adhesive surface moistener	J. Gell	13444	5 Mar. ..	30	21 Mar.*
Agricultural implement, Conductor-tube for	G. T. Booth	13474	14 Mar. ..	30	21 Mar.
Air-blast in quartz-crushing	F. E. Robertshaw	13494	23 Mar. ..	39	18 April.*
Air-and-oil mixer	J. Wilkinson	13404	14 Feb. ..	26	7 Mar.
Air-compressor	C. S. Snell	13316	15 Jan. ..	15	30 Jan.
Air-cooler	T. and W. L. Cole	13501	26 Mar. ..	35	4 April.
Air-cooler	T. Douglas	13409	14 Feb. ..	26	7 Mar.
Albuminous substances, Alkali compounds of	O. Siebold	13380	7 Feb. ..	23	21 Feb.
Alkali compounds of albuminous substances	O. Siebold	13380	7 Feb. ..	23	21 Feb.
Amalgamating pan, Discharge apparatus for	E. H. Hardy	13504	28 Mar. ..	35	4 April.*
Amalgamating-screen	R. Cockerell	13352	19 Jan. ..	23	21 Feb.
Anvil and stamper-head	J. G. Daw	13459	7 Mar. ..	30	21 Mar.
Armour-plate	P. Martin	13481	15 Mar. ..	35	4 April.*
Arms. (See Firearms, Small-arms.)					
Arrester. (See Spark-arrester.)					
Attenuation of electrical waves, Reducing	M. I. Pupin	13410	12 Feb. ..	26	7 Mar.
Ball-punching, Swivel for	F. C. Wade	13516	28 Mar.* ..	..	..
Barnacle-removing appliance	M. L. Moorhouse, H. J. Dyson, and J. Crane	13249	13 Dec., 1900	19	7 Feb.

ALPHABETICAL LIST OF INVENTIONS—continued.

Invention.	Name.	Application.		Gazette.	
		No.	Date.	No.	Date.
Barrier. (See Starting-barrier.)					
Barrow and elevator combined, Hand-Beer	W. E. Douglas and T. G. Greedy	13433	1 Mar. ..	26	7 Mar.*
	The Concentrated Beer Company, Limited	13325	17 Jan. ..	15	30 Jan.
Bell-sounding mechanism	J. T. Williams	13419	20 Feb. ..	..	..
Bench. (See Watering-bench.)					
Bicycle-attachment for carrying rifles, &c.	A. G. Jackson	13437	1 Mar. ..	26	7 Mar.
Bicycle-brake	A. Williams	13330	23 Jan. ..	23	21 Feb.*
Bicycle-frame	A. E. Otway	13452	2 Mar. ..	30	21 Mar.*
Bicycle-gearing	T. P. Hearse	13374	4 Feb. ..	23	21 Feb.*
Bicycle luggage-carrier	M. I. Bolton	13448	6 Mar. ..	30	21 Mar.*
Biscuit-making machine	H. D. Perky	13482	19 Mar. ..	..	..
Black-sand separator	J. H. Campbell	13312	12 Jan. ..	15	30 Jan.*
Blast. (See Air-blast, Sand-blast.)					
Board. (See Weatherboard.)					
Book, Sales-	C. B. Smith	13479	15 Mar. ..	35	4 April.
Boot	S. A. Felton	13449	6 Mar. ..	30	21 Mar.*
Boot	J. J. Daily	13230	20 Dec., 1900	15	30 Jan.
Boot cleaner and polisher	A. H. Hiddleston	13502	25 Mar. ..	35	4 April.*
Boot-heel	F. S. Cory	13387	9 Feb. ..	23	21 Feb.*
Boot-protector driving-machine	United Shoe Machinery Company	13487	22 Mar. ..	..	..
Boot-upper	G. A. Coles	12702	16 June, 1900	5	10 Jan.
Boring for "prospects," Removing obstructions met in	E. Appleton	13438	28 Feb. ..	26	7 Mar.
Bottle	F. M. Norris	13427	26 Feb. ..	26	7 Mar.
Bottle	W. E. Hughes	13388	9 Feb. ..	..	..
Box	J. G. Howard	13443	5 Mar. ..	30	21 Mar.*
Box. (See also Electric switch-box.)					
Box-covering machine	H. B. Blackinton, W. F. Cox, and M. E. Ginn	13351	29 Jan. ..	39	18 April.
Box-covering machine	H. B. Blackinton, W. F. Cox, and M. E. Ginn	13447	6 Mar. ..	30	21 Mar.
Box making machine	J. Robb	13426	25 Feb. ..	34	4 April.*
Brace. (See Scythe-brace.)					
Bracket. (See Cycle-support, Spouting-bracket.)					
Brake	W. E. Richardson	13414	14 Feb. ..	26	7 Mar.
Brake	J. Jamison	13332	13 Mar. ..	30	21 Mar.
Brake	P. P. J. Clinton	13398	13 Feb. ..	26	7 Mar.*
Brake. (See also Bicycle-brake, Cycle-brake, Electric brake, Electro-magnetic brake, Railway-brake.)					
Branding	A. J. Cuming	12362	16 Feb., 1900	15	30 Jan.
Branding	W. H. Boyens	12579	5 May, 1900	23	21 Feb.
Branding and marking cheese	C. M. Buckworth	13367	30 Jan. ..	23	21 Feb.*
Brandy, Maturing	Joshua Brothers Proprietary, Limited	13497	26 Mar. ..	35	4 April.
Brick	W. S. Rawson and R. D. Littlefield	13470	18 Mar. ..	30	21 Mar.
Bridge, Cart-saddle	J. Hogg	13327	17 Jan. ..	19	7 Feb.*
Brooch-pin catch	A. C. Dennes	13492	25 Mar. ..	35	4 April.*
Brush-manufacturing from flax	L. Van Laak, H. Craig, and W. S. Laurie	13030	27 Sept., 1900	26	7 Mar.
Buckle	J. Anschau	13435	1 Mar. ..	26	7 Mar.
Buffers, Railway	J. Willison	13212	5 Dec., 1900	26	7 Mar.
Burners, Electric ignition of	A. C. Auchoer	13243	13 Dec., 1900	19	7 Feb.
Butter, Testing milk for	R. McGregor	13484	19 Mar. ..	35	4 April.*
Butter-worker	E. J. Mackrell	13292	5 Jan. ..	15	30 Jan.*
Button	J. Shepherd	13310	10 Jan. ..	15	30 Jan.*
Cableway-tension maintainer	E. Maxwell	12718	22 June, 1900	19	7 Feb.
Calcing-furnace	The Godfrey Calciner, Limited..	13436	1 Mar. ..	..	..
Can	J. G. Howard	13443	5 Mar. ..	30	21 Mar.*
Can	J. Webster	13445	5 Mar. ..	30	21 Mar.
Can. (See also Milk-can.)					
Can-closing apparatus	The American Tobacco Company	13500	26 Mar. ..	35	4 April.
Carburetter	W. T. Purves	12745	29 June, 1900	30	21 Mar.
Carriages, Detaching horses from	J. H. L. Barry and D. W. Mackay	13319	15 Jan. ..	15	30 Jan.*
Carrier. (See Bicycle luggage-carrier.)					
Cart-saddle bridge	J. Hogg	13327	17 Jan. ..	19	7 Feb.*
Cart seat and body	H. House	13299	7 Jan. ..	15	30 Jan.*
Case	J. G. Howard	13443	5 Mar. ..	30	21 Mar.*
Cash-register	The Empire Cash Register, Limited	13514	29 Mar. ..	35	4 April.
Caster	G. J. A. Richardson	12973	6 Sept., 1900	19	7 Feb.
Castrating-appliance	E. Hale	13489	22 Mar. ..	35	4 April.*
Catch. (See Brooch-pin catch.)					
Cattle-dehorning appliance	D. F. Rollo	13441	4 Mar. ..	30	21 Mar.*
Cement	H. Passow	13379	7 Feb. ..	23	21 Feb.
Cesspit-scoop	T. and C. E. Finch	12503	4 April, 1900	15	30 Jan.
Chaffcutter	W. Andrews and A. W. Beaven..	12523	10 April, 1900	15	30 Jan.
Chair	T. M. Bryant	12706	29 June, 1900	30	21 Mar.
Chair	T. W. Coulthard	13432	28 Feb., 1900	5	10 Jan.
Cheese, Branding and marking	C. M. Buckworth	13367	30 Jan. ..	30	21 Feb.*
Chlorine gas, Generating, &c.	E. C. Paramore	13476	14 Mar. ..	30	21 Mar.
Chromium-oxide, Extracting	The Clyde Chemical Company, Limited	13396	13 Feb. ..	26	7 Mar.
Cleaner. (See Boot-cleaner.)					
Clipper	J. K. Stewart	13403	14 Feb. ..	..	..

ALPHABETICAL LIST OF INVENTIONS—continued.

Invention.	Name.	Application.		Gazette.	
		No.	Date.	No.	Date.
Closet-pan cover	J. A. Walker	13466	8 Mar. ..	30	21 Mar.*
Clothes-peg	J. Robb	13393	13 Feb. ..	35	4 April*
Collar. (See Horse-collar.)					
Colour-printing	P. A. Hadley	13450	6 Mar. ..	30	21 Mar.
Compressor. (See Air-compressor, Gas-compressor.)					
Concentrator	Crown Gold-milling Company ..	13382	7 Feb. ..	23	21 Feb.
Concentrator, Ore-	W. McDermott	13377	7 Feb. ..	23	21 Feb.
Condensed milk	J. H. and C. H. Campbell ..	13408	14 Feb. ..	26	7 Mar.
Conductors from non-conductors, Separating	L. J. Bläke and L. N. Morscher	13407	14 Feb. ..	26	7 Mar.
Conductor-tube for agricultural implements	G. T. Booth	13474	14 Mar. ..	30	21 Mar.
Container	The American Tobacco Company	13406	14 Feb. ..	26	7 Mar.
Container	A. W. Maconochie	13471	13 Mar. ..	30	21 Mar.
Controlling mechanism, Pump- ..	E. R. Hill	13343	28 Jan. ..	19	7 Feb.
Controlling-system, Electro-pneumatic ..	E. R. Hill	13454	7 Mar. ..	30	21 Mar.
Conveyor or elevator	J. F. Corrick	13234	10 Dec., 1900	15	30 Jan.
Cooking-stove	H. N. Burgess	13365	28 Jan. ..	23	21 Feb.
Cooling air	T. Douglas	13409	14 Feb. ..	26	7 Mar.
Copper, Extracting, from ore	W. Payne	13488	22 Mar. ..	35	4 April.*
Cost- and measure-indicator	A. Smith	13424	21 Feb. ..	30	21 Mar.
Counting, registering-, measuring-, and weighing-machine	J. Hall	13416	20 Feb. ..	26	7 Mar.
Coupling. (See Rail-coupling, Railway-coupling.)					
Cover. (See Closet-pan cover, Horse-cover.)					
Cramp	W. Wright and W. H. Pearson ..	13490	20 Mar. ..	35	4 April.
Crate. (See Rabbit-crate.)					
Crucible	W. S. Rawson and R. D. Littlefield	13470	13 Mar. ..	30	21 Mar.
Crusher. (See Stone-crusher, Ore-crusher.)					
Crushing mill	C. Suttie	12642	23 May, 1900	26	7 Mar.
Cuff protector	W. C. Greig	13358	30 Jan. ..	23	21 Feb.*
Cultivator-attachment to plough	W. Y. H. Hall	13364	29 Jan. ..	23	21 Feb.*
Cutter. (See Chaff-cutter, Metal-cutting, Stone-cutter.)					
Cycle	T. R. Ellison	12472	20 Mar., 1900	5	10 Jan.
Cycle-brake	G. B. Drower	13386	4 Feb. ..	23	21 Feb.*
Cycle-pedals	G. G. Turri	13455	7 Mar. ..	30	21 Mar.
Cycle-propelling gear	G. B. H. Austin	13473	14 Mar. ..	30	21 Mar.
Cycle-saddle	T. Boyd	13370	4 Feb. ..	23	21 Feb.*
Cycle support or bracket	A. J. Hewetson	13495	26 Mar. ..	39	18 April.*
Cycling-knickers	W. H. Forsyth	13496	26 Mar.* ..	..	..
Dehorning appliance	D. F. Rollo	13441	4 Mar. ..	30	21 Mar.*
Desiccated milk	J. H. and C. H. Campbell ..	13408	14 Feb. ..	26	7 Mar.
Diamagnetic materials, Separating	E. Gates	13277	28 Dec., 1900	19	7 Feb.
Die, S-amper-head and	J. G. Daw	13459	7 Mar. ..	30	21 Mar.
Digger. (See Potato-digger.)					
Dip. (See Sheep-dip.)					
Dish. (See Meat-dish.)					
Distributor. (See Manure distributor.)					
Ditching-machine	A. T. Lawrence	13366	30 Jan. ..	23	21 Feb.*
Door, Dust- and draught-excluder for ..	W. Nicol	13284	2 Jan. ..	15	30 Jan.*
Door or gate	F. L. Webster	13333	28 Jan. ..	19	7 Feb.
Draught-excluder for door	W. Nicol	13284	2 Jan. ..	15	30 Jan.*
Drawing off liquids, Apparatus for ..	A. Brake	13506	28 Mar. ..	35	4 April.
Dredge	W. Struthers	13323	15 Jan. ..	30	21 Mar.
Dredge grubber and tumbler-shaft	M. Guinan	13371	4 Feb. ..	23	21 Feb.*
Dredge suction pipe, Keeping clear of weeds	D. Wilson	12684	12 June, 1900	30	21 Mar.
Dredging	R. B. Williams	13395	13 Feb. ..	26	7 Mar.*
Dredging and transporting apparatus ..	E. McGregor	12923	29 Aug., 1900	5	10 Jan.
Dredging apparatus	M. D. McLeod	13368	5 Feb. ..	26	7 Mar.*
Dredging apparatus	J. A. Chapman	13389	7 Feb. ..	26	7 Mar.
Drill. (See Earth-drill, Percussion drill, Rock-drill.)					
Driving-machine, Boot-protector	United Shoe Machinery Company	13487	22 Mar. ..	..	..
Dust- and draught-excluder for door ..	W. Nicol	13284	2 Jan. ..	15	30 Jan.*
Dynamo-electric generator	J. P. Campbell	13348	29 Jan. ..	19	7 Feb.
Ear-mark	G. Hall	13478	11 Mar. ..	30	21 Mar.
Earth-drill	F. H. Dannhardt and M. Mailer	12464	16 Mar., 1900	19	7 Feb.
Electric brake	W. E. Hughes	13342	28 Jan. ..	19	7 Feb.
Electric brake	W. E. Hughes	13341	28 Jan. ..	19	7 Feb.
Electric brake	F. C. Newell	13297	3 May, 1900†	15	30 Jan.
Electric brake	F. C. Newell	13289	28 Apr., 1900†	15	30 Jan.
Electric brake regulator	F. C. Newell	13287	28 Apr., 1900†	15	30 Jan.
Electric-brake shoe	F. C. Newell	13288	28 Apr., 1900†	15	30 Jan.
Electric furnace	C. A. Keller	13300	7 Jan. ..	15	30 Jan.
Electric furnace	C. A. Keller	13336	21 May, 1900†	26	7 Mar.
Electric generator, Dynamo-	J. P. Campbell	13348	29 Jan. ..	19	7 Feb.
Electric railway	J. T. Hunter	13298	7 Jan. ..	15	30 Jan.
Electric switch-box	W. Kingsland.. .. .	13164	15 Nov., 1900	23	21 Feb.
Electric switch, Connecting strikers to vehicles for operating	W. Kingsland.. .. .	13163	15 Nov., 1900	23	21 Feb.
Electrical distribution	W. E. Hughes	13453	7 Mar. ..	30	21 Mar.

ALPHABETICAL LIST OF INVENTIONS—continued.

Invention.	Name.	Application.		Gazette.	
		No.	Date.	No.	Date.
Electrical distribution	J. P. Campbell	13463	7 Mar. ..	30	21 Mar.
Electrical distribution	J. P. Campbell	13512	30 Mar. ..	35	4 April.
Electrical waves, Reducing attenuation of	M. I. Pupin	13410	12 Feb. ..	26	7 Mar.
Electricity-meter	W. M. Mordey and G. C. Fricker	13293	10 Feb., 1900†	15	30 Jan.
Electrolysis, Extracting metals by	H. A. Frasch	13373	7 Feb. ..	30	21 Mar.
Electro-magnetic brake	J. P. Campbell	13317	15 Jan. ..	19	7 Feb.
Electro-pneumatic controlling system	E. R. Hill	13454	7 Mar. ..	30	21 Mar.
Elevating apparatus, Dredging and	E. McGregor	12923	29 Aug., 1900	5	10 Jan.
Elevator and truck combined	W. E. Douglas and T. G. Greedy	13433	1 Mar. ..	26	7 Mar.*
Elevator or conveyor	J. F. Corrick	13234	10 Dec., 1900	15	30 Jan.
Elevator. (See also Tailings-elevator.)					
Enamelled leather	C. Booth	13428	23 Feb. ..	..	..
Enamelled leather	C. Booth	13429	23 Feb. ..	..	..
Engine. (See Fluid-pressure engine, Gas-engine, Rock-drilling engine, Rotary engine, Steam-engine.)					
Envelope	J. Hair	13304	7 Jan. ..	19	7 Feb.*
Excavating or dredging and transporting apparatus	E. McGregor	12923	29 Aug., 1900	5	10 Jan.
Extinguisher. (See Fire-extinguisher)					
Extracting gold, &c. (See Gold, Metals.)					
Fastening. (See Horse-cover fastener, Legging-fastening, Strap-fastening.)					
Feeder. (See Fuel-feeder.)					
Fence	S. W. Shaw	12405	20 Feb., 1900	5	10 Jan.
Fibre-hackler	E. A. Gibbon	13391	8 Feb. ..	23	21 Feb.
Filter	A. J. Madden	12673	12 June, 1900	26	7 Mar.
Filter, Metallurgical	G. Fraser, jun., and S. E. Fraser	13517	28 Mar. ..	39	18 April.
Filtering apparatus, Metallurgical	A. M. Nicholas	13397	13 Feb. ..	26	7 Mar.
Firearms	J. Gaut	13401	13 Feb. ..	26	7 Mar.*
Fire-extinguisher	E. L. Clark	13322	15 Jan. ..	19	7 Feb.*
Flax, Manufacturing brushes from	L. Van Laak, H. Craig, and W. S. Laurie	13030	27 Sept., 1900	26	7 Mar.
Flong for stereo-mould	T. J. C. Drewett	13507	26 Mar. ..	..	..
Fluid-pressure engine	J. P. Campbell	13302	8 Jan. ..	15	30 Jan.
Fly-trap	J. A. Francis	13033	3 Oct., 1900	23	21 Feb.
Forage-carrier for horses	J. A. Millane	13360	31 Jan. ..	23	21 Feb.*
Fortification plate	P. Martin	13481	15 Mar. ..	35	4 April.*
Fountain-pens, Filling	R. H. Ashcroft	13511	27 Mar. ..	35	4 April.
Frame. (See Bicycle-frame)					
Frozen meat, Thawing	A. H. Chapman	13390	7 Feb. ..	26	7 Mar.
Fuel-feeder	E. Waters	13340	23 Jan. ..	19	7 Feb.
Furnace	S. Milnes and H. W. de Baugh ..	13480	13 Mar. ..	35	4 April.
Furnace. (See also Calcining-furnace, Electric furnace.)					
Furnace-lining	W. S. Rawson and R. D. Littlefield	13470	13 Mar. ..	30	21 Mar.
Furniture	J. Robertson	13071	15 Oct., 1900	23	21 Feb.
Furniture	J. Robertson	13451	6 Mar. ..	..	..
Garden-tool holder	R. H. Goldsworthy	12485	23 Mar., 1900	5	10 Jan.
Gas. (See Acetylene, Chlorine-gas.)					
Gas-compressor	C. S. Snell	13316	15 Jan. ..	15	30 Jan.
Gas-engine	J. Williams, jun.	13290	3 Jan. ..	15	30 Jan.
Gate-operating mechanism	S. Bairnsfather	13430	27 Feb. ..	35	4 April.*
Gate or door	F. L. Webster	13333	28 Jan. ..	19	7 Feb.
Gauge. (See Wind-gauge.)					
Gauging high temperatures	E. Phillips	13283	2 Jan. ..	..	..
Generator. (See Acetylene-generator, Chlorine-gas generator, Dynamo-electric generator, Solar generator.)					
Gig seat and body	H. House	13299	7 Jan. ..	15	30 Jan.*
Gold and silver, Extracting, from slimes ..	W. S. Hazelton	13468	13 Mar. ..	30	21 Mar.*
Gold-extraction	J. T. Hunter	13286	3 Jan. ..	5	10 Jan.
Gold, Extracting, from ores	S. Trivick	13313	15 Jan. ..	15	30 Jan.
Gold-saving apparatus	F. G. M. Brittin, O. Magnus, and W. Le Cren	13385	6 Feb. ..	23	21 Feb.*
Gold-saving appliance	H. Evans	13434	1 Mar. ..	26	7 Mar.*
Gold-saving appliance	W. A. Shore and J. White	13493	25 Mar. ..	35	4 April.
Gold-saving appliance	W. E. Gladstone and W. Taylor	12713	22 June, 1900	30	21 Mar.
Gold-saving mat	G. Foster	13291	4 Jan. ..	15	30 Jan.*
Governor	J. and B. Speight	13281	2 Jan. ..	5	10 Jan.*
Grinding-mill	C. Suttie	12642	23 May, 1900	26	7 Mar.
Grinding-pan discharge apparatus	E. H. Hardy	13504	28 Mar. ..	35	4 April.*
Grubber. (See Dredge grabber.)					
Hackling machine, Fibre-	E. A. Gibbon	13391	8 Feb. ..	23	21 Feb.
Hand-barrow and elevator	W. E. Douglas and T. G. Greedy	13433	1 Mar. ..	26	7 Mar.*
Hand tacking-tool	Eureka Shoe Company	13381	7 Feb. ..	30	21 Mar.
Handle. (See Meat-dish handle.)					
Hanger. (See Sash-hanger.)					
Harvester	L. H. Cowles	13338	28 Jan. ..	30	21 Mar.*
Head. (See Stamper-head.)					

ALPHABETICAL LIST OF INVENTIONS—continued.

Invention.	Name.	Application.		Gazette.	
		No.	Date.	No.	Date.
Heater. (See Water-heater.)					
Heel. (See Boot-heel.)					
Hoe-blade holder	R. H. Goldsworthy	12485	23 Mar., 1900	5	10 Jan.
Hoist, Traversing	W. L. Luxford, A. H. Wylds, and J. H. Hankins	12486	27 Mar., 1900	5	10 Jan.
Holder. (See Garden-tool holder, Hoe-blade holder, Music-holder, Rein-holder, Serviette-holder.)					
Horse-collar roll	D. Brigham	12932	28 Aug., 1900	5	10 Jan.
Horse-cover	H. Shaw	12479	20 Mar., 1900	15	30 Jan.
Horse-cover	W. Medhurst	13337	28 Jan. .. .	23	21 Feb.
Horse-cover fastener	W. J. Maddren	13359	30 Jan. .. .	23	21 Feb.*
Horse-cover fastening	J. Montgomery	13392	12 Feb. .. .	26	7 Mar.
Horse-shoe	T. Cusdin and J. W. Rice	12796	16 July, 1900	23	21 Feb.
Horses, Driving	H. Grass	13485	22 Mar. .. .	35	4 April *
Horses, Detaching, from carriages	J. H. L. Barry and D. W. Mackay	13319	15 Jan. .. .	15	30 Jan.*
Horses, Forage-carrier for	J. A. Millane	13360	31 Jan. .. .	23	21 Feb.*
Hulls, Appliance for removing barnacles from	M. L. Moorhouse, H. J. Dyson, and J. Crane	13249	13 Dec., 1900	19	7 Feb.
Ignition of burners, Electric	A. C. Aucher	13243	13 Dec., 1900	19	7 Feb.
Indicator. (See Cost-indicator, Measure-indicator.)					
Inking stamp-pads	J. Gell	13444	5 Mar. .. .	30	21 Mar.*
Insect-trap	J. A. Francis	13033	3 Oct., 1900	23	21 Feb.
Jack. (See Lifting-jack.)					
Jam-tin	O. C. Barberie	13320	17 Jan. .. .	15	30 Jan.
Jaws for stone-crusher	E. Girdler	12527	9 April, 1900	15	30 Jan.
Kauri refuse; Extracting oil from	S. C. R. Trevor	12647	23 May, 1900	26	7 Mar.
Kiln	W. Spencer	13361	31 Jan. .. .	23	21 Feb.
Knickers. (See Cycling-knickers.)					
Leaf-turner. (See Music-leaf turner.)					
Leather	H. Corrick	13357	30 Jan. .. .	23	21 Feb.
Leather, Enamelled	C. Booth	13428	23 Feb. .. .	..	..
Leather, Enamelled	C. Booth	13429	23 Feb. .. .	..	..
Leather-rolling machine	C. Suttie	12643	23 May, 1900	26	7 Mar.
Legging-fastening	T. Clark	13467	12 Mar. .. .	30	21 Mar.
Leg guard	J. Mitchell	13446	28 Feb. .. .	35	4 April.
Letter-weigher and pen combined	P. F. M. Burrows	13375	7 Feb. .. .	23	21 Feb.
Lifting-jack	D. Donald	13369	4 Feb. .. .	23	21 Feb.*
Lime- and manure-distributor	A. Storrie	13326	14 Jan. .. .	15	30 Jan.*
Lining. (See Furnace-lining.)					
Linotype machine	E. Waters	13308	10 Jan. .. .	..	..
Liquids, Drawing off	A. Brake	13506	28 Mar. .. .	35	4 April.
Loading cableway, Maintaining tension on Luggage-carrier. (See Bicycle luggage-carrier.)	E. Maxwell	12718	22 June, 1900	19	7 Feb.
Magnetic materials, Separating, from non-magnetic	J. E. L. Cull	13345	24 Jan. .. .	23	21 Feb.
Magnetic materials, Separating	J. H. Campbell	13312	12 Jan. .. .	15	30 Jan.*
Magnetic separator	L. I. Blake and L. N. Morscher	13407	14 Feb. .. .	26	7 Mar.
Manure- and lime-distributor	A. Storrie	13326	14 Jan. .. .	15	30 Jan.*
Marine-insect-repelling composition	T. C. Bayldon	13347	29 Jan. .. .	23	21 Feb.
Marking. (See Branding, Ear-mark.)					
Mat. (See Gold-saving mat.)					
Mattress	A. Richards	12471	16 Mar., 1900	30	21 Mar.
Measure- and cost-indicator	A. Smith	13424	21 Feb. .. .	30	21 Mar.
Measuring, registering-, counting-, and weighing-machine	J. Hall	13416	20 Feb. .. .	26	7 Mar.
Meat-dish handle	F. E. Newth	13399	13 Feb. .. .	26	7 Mar.
Meat, Thawing frozen	A. H. Chapman	13390	7 Feb. .. .	26	7 Mar.
Metallurgical filter	G. Fraser, jun., and S. E. Fraser	13517	28 Mar. .. .	39	18 April.
Metallurgical filtering apparatus	A. M. Nicholas	13397	13 Feb. .. .	26	7 Mar.
Metal-cutting tool	The Bethlehem Steel Company..	13301	7 Jan. .. .	23	21 Feb.
Metals, Extracting	J. C. Clancy and L. W. Marsland	13354	30 Jan. .. .	23	21 Feb.*
Metals, Extracting	Golden Link Consolidated Gold Mines, Limited	13422	21 Feb. .. .	26	7 Mar.
Metals, Extracting	H. A. Frasch	13373	7 Feb. .. .	30	21 Mar.
Metals, Recovering, from ores	H. A. Frasch	13372	7 Feb. .. .	30	21 Mar.
Metals and metalloids, Treating oxides of	C. G. Sudre and C. V. Thierry ..	13456	7 Mar. .. .	..	..
Meter. (See Electricity-meter.)					
Milk-can	O. Andrews	13402	25 Feb. .. .	..	..
Milk, Condensed	J. H. and C. H. Campbell	13408	14 Feb. .. .	26	7 Mar.
Milk, Testing for butter	R. McGregor	13484	19 Mar. .. .	35	4 April.*
Milking appliance	D. F. Rolio	13440	4 Mar. .. .	30	21 Mar.*
Mill. (See Crushing-mill.)					
Moistener. (See Adhesive-surface moistener.)					
Motor	M. H. L. Bennett	13491	21 Mar. .. .	35	4 April.*
Motor	W. E. Hughes	13461	7 Mar. .. .	..	..

ALPHABETICAL LIST OF INVENTIONS—continued.

Invention.	Name.	Application.		Gazette.	
		No.	Date.	No.	Date.
Motor. (See also Tidal motor.)					
Motor vehicle	W. E. Hughes	13461	7 Mar. .. .. .	..	..
Mould. (See Stereo-mould.)					
Music-holder	A. G. Ockenden	13221	3 Dec., 1900	26	7 Mar.
Music-leaf turner	J. C. Newell	13383	8 Feb.	23	21 Feb.
Music, Printing, typographically	E. Waters, jun.	13405	14 Feb.	39	18 April
Nib. (See Pen-nib.)					
Oil-and-air mixer	J. Wilkinson	13404	14 Feb.	26	7 Mar.
Oil, Distributing, at sea	F. M. Norris	13279	28 Dec., 1900	15	30 Jan.*
Oil from kauri refuse, Extracting	S. C. R. Trevor	12647	23 May, 1900	26	7 Mar.
Oil-pumping apparatus.. .. .	J. P. Campbell	13349	29 Jan.	19	7 Feb.
Ore-concentrator	W. McDermott	13377	7 Feb.	23	21 Feb.*
Ore-crusher, with gold-saving, &c., tables..	H. Jones	13362	31 Jan.	23	21 Feb.*
Ore, Extracting copper from	W. Payne	13488	22 Mar.	35	4 April.*
Ores, Eliminating sulphur from	Sulphur Elimination Syndicate, Limited	13509	29 Mar.	35	4 April
Ores, Extracting gold from	S. Trivick	13313	15 Jan.	15	30 Jan.
Ores, Extracting metals from	J. C. Clancy and L. W. Marsland	13354	30 Jan.	23	21 Feb.*
Ores, Extracting metals from	Golden Link Consolidated Gold-mines, Limited	13422	21 Feb.	26	7 Mar.
Ores, Extracting oxide of chromium from	The Clyde Chemical Company, Limited	13396	13 Feb.	26	7 Mar.
Ores, Recovering metals from	H. A. Frasch	13372	7 Feb.	30	21 Mar.
Ores, Reducing	E. C. Pohlé and S. Croasdale ..	13315	15 Jan.	15	30 Jan.
Ores, Treating.. .. .	J. H. Lancashire and J. W. Worsley	13457	7 Mar.	30	21 Mar.*
Ores, Treating.. .. .	The Honneus Sulphide Company, Limited	13498	26 Mar. .. .. .	..	..
Oxide of chromium, Extracting	The Clyde Chemical Company, Limited	13396	13 Feb.	26	7 Mar.
Oxides of metals, Treating	C. G. Sudre and C. V. Thierry ..	13456	7 Mar. .. .. .	..	..
Pad. (See Stamp-pad.)					
Pan. (See Amalgamating-pan, Closet-pan, Grinding-pan.)					
Paramagnetic materials, Separating ..	E. Gates	13277	28 Dec., 1900.	19	7 Feb.
Passengers and driver of train, Enabling communication between	A. Spencer	13307	8 Jan.	15	30 Jan.
Pedals. (See Cycle pedals.)					
Peg. (See Clothes-peg.)					
Pen. (See Fountain pen.)					
Pen and letter-weigher combined	P. F. M. Burrows	13375	7 Feb.	23	21 Feb.
Pen-nib, Reservoir for	C. W. Ziele	13515	30 Mar.	35	4 April.*
Per-cussion-drill, Reciprocating motion for	B. H. Locke	13462	7 Mar. .. .. .	..	..
Perforator, Improvement in Wheatstone	J. Gell	13475	14 Mar.	30	21 Mar.*
Piano, Wrest pin for	O. C. Beale and C. J. Vader ..	13508	29 Mar.	35	4 April.
Pin. (See Brooch-pin, Wrest-pin.)					
Plant-transplanting appliance	R. T. Batley	13314	15 Jan.	15	30 Jan.*
Plant. (See also Pot-plants.)					
Plate. (See Armour-plate.)					
Plough	W. Y. H. Hall	13364	29 Jan.	23	21 Feb.*
Plough	W. Painter	13282	2 Jan.	5	10 Jan.
Plough attachment	J. Herbert	13417	20 Feb.	26	7 Mar.
Plough, Cultivator attachment to	W. Y. H. Hall	13363	29 Jan.	23	21 Feb.*
Ploughshare	W. Hornsby and J. Lowson ..	13299	7 Jan.	15	30 Jan.*
Polisher, Boot cleaner and	A. H. Hiddleston	13502	25 Mar.	35	4 April.*
Potato-digger	F. S. Maddison and C. E. Bailey	13503	25 Mar.	35	4 April.*
Pot-plants, Watering-bench for	W. H. Lawrence	13464	8 Mar.	30	21 Mar.*
Preserving marine timbers	T. C. Bayldon	13347	29 Jan.	23	21 Feb.
Printing. (See Colour-printing, Music-printing.)					
Propeller	C. A. Parsons	13355	30 Jan.	23	21 Feb.
Prospecting-bore, Removing obstructions in	E. Appleton	13438	28 Feb.	26	7 Mar.
Protector. (See Boot-protector, Cuff-protector.)					
Puddling- and amalgamating-screen ..	R. Cockerell	13352	19 Jan.	23	21 Feb.
Pump	J. Burns	13088	23 Oct., 1900	30	21 Mar.
Pump-controlling mechanism	E. R. Hill	13343	23 Jan.	19	7 Feb.
Pump, Oil-	J. P. Campbell	13349	29 Jan.	19	7 Feb.
Quartz-crushing, Utilizing air-blast in ..	F. E. Robertshaw	13494	23 Mar.	39	18 April.*
Rabbit-crate	W. M. McIlwrick	13423	21 Feb.	26	7 Mar.*
Railway	J. Montgomery	13415	18 Feb.	26	7 Mar.*
Railway couplers and buffers	J. Willison	13212	5 Dec., 1900	26	7 Mar.
Railway-train, Signalling between passengers and driver of	A. Spencer	13307	8 Jan.	15	30 Jan.
Rail-coupling	J. H. Newlyn	13306	8 Jan.	15	30 Jan.*
Railway. (See Electric railway.)					
Railway-brakes, Applying	A. Spencer	13307	8 Jan.	15	30 Jan.
Railway-coupling	Darling's Patent Automatic Coupling, Limited	13460	7 Mar.	30	21 Mar.
Railway pointsman's boot	S. A. Felton	13449	6 Mar.	30	21 Mar.*
Reaper-and-binder	L. H. Cowles	13338	23 Jan.	30	21 Mar.*
Record-strips for type-forming machine ..	Lanston Monotype Machine Co.	13275	23 Dec., 1900	5	10 Jan.

ALPHABETICAL LIST OF INVENTIONS—continued.

Invention.	Name.	Application.		Gazette.	
		No.	Date.	No.	Date.
Refrigerating	T. and W. L. Cole	13501	26 Mar. ..	35	4 April.
Register. (See Cash-register.)	J. Robb	13394	13 Feb. ..	35	4 April.*
Registering apparatus, Sales	J. Hall	13416	20 Feb. ..	26	7 Mar.
Registering-, measuring-, counting-, and weighing-machine					
Regulator. (See Electric-brake regulator, Windmill-regulator.)					
Rein-holder and wheel-stop	J. N. Clapham	13318	16 Jan. ..	15	30 Jan.*
Relief valve	M. D. Larkin	13477	14 Mar. ..	30	21 Mar.
Reservoir for pen-nib	C. W. Ziele	13515	30 Mar. ..	35	4 April.*
Rifle wind-gauge	A. J. Whitley	13305	8 Jan. ..	15	30 Jan.*
Rifles, Bicycle attachment for carrying	A. G. Jackson	13437	1 Mar. ..	26	7 Mar.
Road-skate	H. Glade	13421	21 Feb. ..	26	7 Mar.
Rock drill	F. H. Dannhardt and M. Mailer	12464	16 Mar., 1900	19	7 Feb.
Rock-drilling engine	The Mine and Smelter Supply Co.	13505	28 Mar. ..	35	4 April.
Roll. (See Horse-collar roll.)					
Rolling machine, Leather	C. Suttie	12643	23 May, 1900	26	7 Mar.
Rotary-engine track	B. Ljungstrom	13458	7 Mar. ..	30	21 Mar.
Rotary motion, Converting, to reciprocating motion	B. H. Locke	13462	7 Mar. ..	..	..
Saddle. (See Cart-saddle, Cycle-saddle.)					
Sales-book	C. B. Smith	13479	15 Mar. ..	35	4 April.
Sales-registering apparatus	J. Robb	13394	13 Feb. ..	34	4 April.*
Sand-blast	J. Cairney	13442	1 Mar. ..	30	21 Mar.*
Sand, Extracting solutions from	T. T. Draper	13472	13 Mar. ..	30	21 Mar.*
Sand separator, Black	J. H. Campbell	13312	12 Jan. ..	15	30 Jan.*
Sash and frame	H. Mayr	13084	20 Oct., 1900	5	10 Jan.
Sash hanger, Window	R. W. Gibbs	13294	4 Jan. ..	23	21 Feb.
Saucepan	W. M. Whishaw	13431	27 Feb. ..	26	7 Feb.*
Saving gold. (See Gold.)					
Scouring wool	F. Kettle	13432	26 Feb. ..	26	7 Mar.*
Scoop. (See Cesspit-scoop.)					
Screen. (See Amalgamating-screen, Puddling-screen.)					
Screw propeller	C. A. Parsons	13355	30 Jan. ..	23	21 Feb.
Scythe-brace	W. Scarf and T. E. Taylor	13413	18 Feb. ..	26	7 Mar.*
Sea, Distributing oil at	F. M. Norris	13279	28 Dec., 1900	15	30 Jan.*
Semaphore	J. S. Kirkpatrick	13344	22 Jan. ..	19	7 Feb.
Seat. (See Cart-seat, Gig-seat.)					
Separating conductors from non-conductors	L. I. Blake and L. N. Morscher	13407	14 Feb. ..	26	7 Mar.
Separating magnetic from non-magnetic materials	J. E. L. Cull	13345	24 Jan. ..	23	21 Feb.
Separating paramagnetic materials	E. Gates	13277	28 Dec., 1900	19	7 Feb.
Separator, Black-sand	J. H. Campbell	13312	12 Jan. ..	15	30 Jan.*
Serviette-holder	A. H. Brownley and W. T. Davidge	13296	2 Jan. ..	5	10 Jan.
Sewing-machine	P. Diehl	13311	11 Jan. ..	..	..
Shaft-tug	J. Henderson	13272	27 Dec., 1900	19	7 Feb.
Shearing-machine	D. B. Ferrar	13510	27 Mar. ..	35	4 April.*
Shearing-machine	J. K. Stewart	13403	14 Feb. ..	..	..
Shearing-machine	W. H. Wilson and J. S. Awdry	13483	20 Mar. ..	35	4 April.*
Sheep-dip	I. S. and I. McDougall	13378	7 Feb. ..	23	21 Feb.
Sheep-shearing. (See Shearing.)					
Shoe. (See Electric-brake shoe.)					
Shoe tree	H. W. Acton-Adams	13295	5 Jan. ..	15	30 Jan.*
Shot-making machine	J. L. Curline	13420	20 Feb. ..	26	7 Mar.
Skate. (See Road-skate.)					
Slimes, Extracting gold from	W. S. Hazelton	13468	13 Mar. ..	30	21 Mar.*
Slimes, Extracting solutions from	T. T. Draper	13472	13 Mar. ..	30	21 Mar.*
Small-arms	J. Gaut	13401	13 Feb. ..	26	7 Mar.*
Solar generator	Solar Motor Company	13486	22 Mar. ..	..	..
Sole-leather-rolling machine	C. Suttie	12643	23 May, 1900	26	7 Mar.
Solutions, Extracting, from slimes	T. T. Draper	13472	13 Mar. ..	30	21 Mar.*
Solvent for metals	S. Trivick	13313	15 Jan. ..	15	30 Jan.
Spark-arrester	N. Watt	13324	16 Jan. ..	15	30 Jan.*
Spark-arrester	D. W. Mackay	13356	30 Jan. ..	26	7 Mar.*
Spark-arrester	J. F. McCarthy	12525	9 April, 1900	15	30 Jan.
Spark-arrester	J. Downs	13469	11 Mar. ..	..	..
Spirits from kauri refuse, Extracting	S. C. R. Trevor	12647	23 May, 1900	26	7 Mar.
Spittoon	J. C. Blair and R. Wedekind	13339	28 Jan. ..	..	..
Splitter. (See Stone cutter and splitter.)					
Spouting-bracket	J. Troup	13353	28 Jan. ..	23	21 Feb.
Spouting-strap	W. A. Holman	12733	21 June, 1900	5	10 Jan.
Stamper-head and anvil	J. G. Daw	13459	7 Mar. ..	30	21 Mar.
Stamp-pads, Inking	J. Gell	13444	5 Mar. ..	30	21 Mar.*
Starting-barrier	W. H. Edwards and G. James	13329	18 Jan. ..	23	21 Feb.*
Steam-engine	E. Waters, jun.	12478	21 Mar., 1900	19	7 Feb.
Stereo-mould, Flong for	T. J. C. Drewett	13507	26 Mar. ..	..	..
Stoker, Mechanical	W. H. Smyth	13321	17 Jan. ..	19	7 Feb.
Stone-crusher jaws	E. Girdler	12527	9 April, 1900	15	30 Jan.
Stone cutter and splitter	P. Lanigan	13346	24 Jan. ..	19	7 Feb.*
Stove	H. N. Burgess	13365	28 Jan. ..	23	21 Feb.
Strainer. (See Wire-strainer.)					
Strap. (See Spouting-strap.)					
Strap-fastening	J. Montgomery	13392	12 Feb. ..	26	7 Mar.

ALPHABETICAL LIST OF INVENTIONS—continued.

Invention.	Name.	Application.		Gazette.	
		No.	Date.	No.	Date.
Strikers for operating electric switches, Connecting, to vehicles	W. Kingsland.. ..	13163	15 Nov., 1900	23	21 Feb.
Suction-pipe. (See Dredge suction-pipe.)					
Sulphide ores, Treatment of	J. C. Clancy and L. W. Marsland	13354	30 Jan. ..	23	21 Feb.*
Sulphur from sulphide ores, Eliminating..	Sulphur Elimination Syndicate, Limited	13509	29 Mar. ..	35	4 April.
Switch. (See Electric switch.)					
Swivel for ball-punching	F. C. Wade	13516	28 Mar.* ..	..	..
Table, Amalgamating-	R. Cockerell	13352	19 Jan. ..	23	21 Feb.
Tacking tool. (See Hand tacking-tool.)					
Tailings-elevator	W. Peck	13425	22 Feb. ..	26	7 Mar.*
Telautograph	C. P. Treat	13285	3 Jan. ..	39	18 April.
Telegraphy	R. Oxlade and W. J. W. Richardson	13418	20 Feb. ..	26	7 Mar.
Temperatures, Gauging high	E. Phillips	13283	2 Jan. ..	..	..
Teredo-worm repelling composition	T. C. Bayldon.. ..	13347	29 Jan. ..	23	21 Feb.
Thawing frozen meat	A. H. Chapman	13390	7 Feb. ..	26	7 Mar.
Threshing machinery	J. G. Howard	13513	29 Mar. ..	35	4 April.*
Tidal power motor	J. Jamison	13331	24 Jan. ..	26	7 Mar.
Tin	A. W. Maconochie	13471	13 Mar. ..	30	21 Mar.
Tin	J. Webster	13445	5 Mar. ..	30	21 Mar.
Tin for jams, &c.	O. C. Barberie	13320	17 Jan. ..	15	30 Jan.
Tinning metal goods	H. Hodgson	13499	26 Mar. ..	35	4 April.*
Tire	F. P. Wood	13412	16 Feb. ..	26	7 Mar.
Tool. (See Garden-tool, Hand tacking-tool, Metal-cutting tool.)					
Track, Rotary steam-engine	B. Ljungstrom	13458	7 Mar. ..	30	21 Mar.
Train. (See Railway-train.)					
Tramway	A. Leschen and Sons' Rope Company	13411	15 Feb. ..	..	..
Transplanting appliance	R. T. Batley	13314	15 Jan. ..	15	30 Jan.*
Transporting apparatus, Dredging and Trap. (See Fly-trap, Insect-trap.)	E. McGregor	12923	29 Aug., 1900	5	10 Jan.
Traversing-boist	W. L. Luxford, A. H. Wylde, and J. H. Hankins	12486	27 Mar., 1900	5	10 Jan.
Tree. (See Shoe-tree.)					
Trousers. (See Cycling-knickers.)					
Truck and elevator combined	W. E. Douglas and T. G. Greedy	13433	1 Mar. ..	26	7 Mar.*
Tube. (See Conductor-tube.)					
Tug. (See Shaft-tug.)					
Tumbler-shaft, Dredge	M. Guinan	13371	4 Feb. ..	23	21 Feb.*
Turner. (See Music-leaf turner.)					
Type-forming machine, Record-strips for ..	Lanston Monotype Machine Company	13275	28 Dec., 1900	5	10 Jan.
Upper. (See Boot-upper.)					
Valve. (See Relief-valve.)					
Vehicle. (See Motor-vehicle.)					
Vehicles, Connecting strikers for operating electric switches to	W. Kingsland.. ..	13163	15 Nov., 1900	23	21 Feb.
Velocipede	H. Glade	13421	21 Feb. ..	26	7 Mar.
Ventilating apparatus	H. I. M. Ross.. ..	13518	29 Mar. ..	39	18 April.
Ventilator	W. B. Johnson	13328	19 Jan. ..	19	7 Feb.
Vice	J. Long	13260	20 Dec., 1900	30	21 Mar.
Voting-machine	F. F. Church	13335	28 Jan. ..	23	21 Feb.
Water-heater	B. G. A. Harkness	13439	2 Mar. ..	35	4 April.*
Watering-bench for pot-plants	W. H. Lawrence	13464	8 Mar. ..	30	21 Mar.*
Weatherboarding	G. H. Anderson	12166	11 Nov., 1899	19	7 Feb.
Weigher. (See Letter-weigher.)					
Weighing, registering, measuring, and counting-machine	J. Hall	13416	20 Feb. ..	26	7 Mar.
Wheatstone perforator improvement	J. Gell	13475	14 Mar. ..	30	21 Mar.*
Wheel	W. and J. Hagerty, H. P. Rasmussen, and A. C. Henderson	13232	10 Dec., 1900	19	7 Feb.*
Wheel-stop and rein-holder	J. N. Clapham	13318	16 Jan. ..	15	30 Jan.*
Whisky, Maturing	Joshua Brothers Proprietary, Limited	13497	26 Mar. ..	35	4 April.
Winch	R. A. McLeod	12659	30 May, 1900	26	7 Mar.
Wind-gauge for rifles	A. J. Whitley	13305	8 Jan. ..	15	30 Jan.*
Windmill regulator	J. M. Phillips.. ..	13465	8 Mar. ..	35	4 April.*
Window sash and frame	H. Mayr	13084	20 Oct., 1900	5	10 Jan.
Window sash hanger	R. W. Gibbs	13294	4 Jan. ..	23	21 Feb.
Wire-strainer	A. Cameron	13384	8 Feb. ..	23	21 Feb.*
Wire-strainer	F. T. Page	13266	20 Dec., 1900	30	21 Mar.
Wire-strainer	T. Hewton	13309	7 Jan. ..	15	30 Jan.
Wool-scouring machine	F. Kettle	13432	26 Feb. ..	26	7 Mar.*
Wrest-pin for piano	O. C. Beale and C. J. Vader ..	13508	29 Mar. ..	35	4 April.

List of Applicants for Registration of Designs.

ALPHABETICAL list of applicants for registration of designs during quarter ending 31st March, 1901:—

Name and Address.	No. of Class.	Design.		Gazette.	
		No.	Date.	No.	Date.
Coles and Co., G. A., Auckland, N.Z.	10	190	22 Feb.	30	21 Mar.
Douglas, M. E., Wellington, N.Z.	5	127	16 Jan.	15	30 Jan.
Douglas, M. E., Wellington, N.Z.	12	128	16 Jan.	15	30 Jan.
May, C. E., St. Kilda, Vic.	10	129	28 Jan.	19	7 Feb.
Russell, I., Dunedin, N.Z.	5	126	10 Sept., 1900	15	30 Jan.

List of Applicants for Registration of Trade Marks.

ALPHABETICAL list of applicants for registration of trade marks for quarter ending 31st March, 1901 (including also applications lodged prior to but gazetted during such quarter).

Name.	Address.	Class.	Application.		Gazette.	
			No.	Date.	No.	Date.
Adams, F. N.	Christchurch	22	3269	11 Jan.	35	4 April.
Adams, H. T.	Christchurch	22	3270	11 Jan.	35	4 April.
Adams Star Cycle Company. (See F. N. Adams.)						
Aegis Manufacturing Company. (See H. Lamb.)						
Aerators, Limited	London	44	3257	28 Dec., 1900	15	30 Jan.
Auckland Varnish Company. (See S. J. Best and Co.)						
Auckland Varnish Company.. ..	Auckland	1	3329	12 Mar. .. ..	..	..
Benjamin, D.	Dunedin	45	3189	18 Sept., 1900	30	21 Mar.
Best and Co., S. J.	Auckland	1	3328	12 Mar. .. ..	..	..
Branch and Sons, Limited, J.	London	38	3297	7 Feb. .. ..	..	..
Broad, Small, and Co.	Invercargill	13	3276	21 Jan.	15	30 Jan.
Brock, H. N.	London	38	3340	26 Mar. .. ..	..	..
Brown and Son, Limited, D.	Donaghmore	47, 48	3023-4	30 April, 1900	5	10 Jan.
Bycroft, Limited	Auckland	42	3304	16 Feb. .. ..	..	..
Canada Cycle and Motor Company, Limited	Wellington	22	3299	13 Feb.	23	21 Feb.
Canterbury Pharmaceutical Association	Christchurch	42	3294	6 Feb.	23	21 Feb.
Clark Thread Company	Newark, U.S.A.	23	3342	26 Mar.	35	4 April.
Colegrove Tea Company	Wellington	42	3339	25 Mar. .. ..	..	..
Colman, Limited, J. and J.	London	47	3338	25 Mar.	35	4 April.
De Guingand and Son, E.	London	50	3314-5	1 Mar. .. ..	..	..
De Renzy, T. G.	Auckland	39	3333	19 Mar.	30	21 Mar.
De Renzy, T. G.	Auckland	6	3332	19 Mar.	39	18 April
Doyle, H.	Paddington, N.S.W.	43	3162	5 Feb.	19	7 Feb.
Dunlop Pneumatic Tire Company of Australasia, Limited	Melbourne	40	3301	14 Feb.	23	21 Feb.
Edmond, W. F.	Dunedin	47	3303	18 Feb.	23	21 Feb.
Evans, S. J.	Dunedin	3	3102	23 July, 1900	19	7 Feb.
Ferguson Brothers, Limited	Carlisle, Eng.	24	3271	15 Jan.	15	30 Jan.
Frossard, Levic, and Co. (See F. Levic.)						
Gandy Belt Manufacturing Company ..	Seacombe, Eng.	25	3345	27 Mar.	39	18 April
Garrett, T. W., and another	London	12	3274	17 Jan. .. ..	..	..
Glover and Co., Limited, W. T.	Manchester and Westminster, Eng.	8	3245	6 Dec.	5	10 Jan.
Grey and Sons, J.	Auckland	44, 43	3291-2	1 Feb.	19	7 Feb.
Hanson, Sir R.	London	42	3327	7 Mar.	39	18 April
Havana Commercial Company	Havana	45	3281-90	30 Jan. .. ..	..	..
Johnson, R. H. N.	London	3	3325	7 Mar.	30	21 Mar.
Kingscote Company, Limited	London and Surrey	50	3268	10 Jan.	15	30 Jan.
Klein, C. J.	Hamburg	45	3306	20 Feb. .. ..	..	..
Krause, A. H.	Northcote, Auckland	3	3262	5 Jan.	19	7 Feb.
Lamb, H.	Wellington	50	3302	18 Feb. .. ..	..	..
Lamson Paragon Supply Company of Australasia Proprietary, Limited	Richmond, Vic.	39	3272	15 Jan. .. ..	..	..
Lever Brothers, Limited	Balmain, N.S.W.	47, 48	3309-10	22 Feb.	26	7 Mar.

LIST OF APPLICANTS FOR REGISTRATION OF TRADE MARKS—continued.

Name.	Address.	Class.	Application.		Gazette.	
			No.	Date.	No.	Date.
Levic, F.	Sydney	45	3307	20 Feb. ..	26	7 Mar.
Levic, F.	Sydney	45	3331	14 Mar. ..	30	21 Mar.
Liebig's Extract of Meat Company, Limited	London and Antwerp ..	42	3264	8 Jan. ..	15	30 Jan.
London, W. T.	Kimbolton, N.Z.	42	3298	8 Feb. ..	..	..
Matheson and Co., Limited, W. J. ..	New York	4	3326	7 Mar. ..	30	21 Mar.
McHaffie, G. H.	Christchurch	13	3337	25 Mar. ..	35	4 April.
Moore, Eady, and Co.	Leicester	38	3317	4 Mar. ..	35	4 April.
Morgan Crucible Company, Limited ..	London	16	3258-60	28 Dec., 1900	15	30 Jan.
Morris, H., and another	Birmingham	22	3334	..	..	..
Morris, Thomas, and Ellis. (See H. Morris and B. Thomas.)						
Murray and Co., Limited, W. T. ..	Auckland	42	3313	27 Feb. ..	..	..
Nicoll Brothers and Oetzes and Gerritsen	Ashburton and London	42	3312	27 Feb. ..	26	7 Mar.
Omega Chemical Company	Boston	3	3251	13 Dec., 1900	15	30 Jan.
Osborne, W. H., and another	London	12	3274	17 Jan. ..	..	..
Osborne, Garrett, and Co. (See W. H. Osborne and T. W. Garrett.)						
Parkes, W. G.	Birmingham	14	3261	3 Jan. ..	19	7 Feb.
Parkes and Sons, S. (See W. G. Parkes.)						
Peek, Frean, and Co.	London	42	3277-8	29 Jan. ..	23	21 Feb.
Peek, Frean, and Co.	London	42	3296	7 Feb. ..	..	..
Porter and Co., Limited, R.	London	44	3308	21 Feb. ..	26	7 Mar.
Postum Cereal Company	Battle Creek, U.S.A. ..	42	3300	14 Feb. ..	..	..
Queensland Meat Export and Agency Company, Limited	Brisbane and Townsville	42	3243	Dec., 1900	19	7 Feb.
Reckitt and Sons, Limited	Sydney and Hull	50	3295	Feb. ..	23	21 Feb.
Renz, De. (See under D.)						
Ross and Glendining	Dunedin	34, 35	3335-6	22 Mar. ..	35	4 April.
Seeborn and Dieckstahl, Limited ..	Sheffield	5, 12, 13	3265-7	10 Jan. ..	..	..
Seegner, Langguth, and Co.	Auckland	38	3341	26 Mar. ..	35	4 April.
Sharland and Co., Limited	Wellington	3	3273	16 Jan. ..	15	30 Jan.
Sharland and Co., Limited	Wellington and Auckland	42	3279	30 Jan. ..	..	..
Sharland and Co.	Wellington and Auckland	42	3330	12 Mar. ..	35	4 April.
Simmons, M.	Sydney	50	3344	26 Mar. ..	35	4 April.
Sinclair, A. W.	Invercargill	48	3275	18 Jan. ..	15	30 Jan.
Skelton, Frostick, and Co.	Christchurch	38	3293	4 Feb. ..	19	7 Feb.
Thomas, B., and another	Birmingham	22	3334	..	..	..
Vacuum Oil Company	New York, London, Melbourne, &c.	47	3263	7 Jan. ..	5	10 Jan.
Vacuum Oil Company	New York, London, Melbourne, Wellington, &c.	4	3305	20 Feb. ..	26	7 Mar.
Varney, W. R.	Manchester	3	3343	ar. ..	35	4 April.
Veno Drug Company. (See W. R. Varney, No. 3343.)						
Walker, M.	Ashburton	47	3280	30 Jan. ..	..	..
Walker, M.	Ashburton	47	3316	4 Mar. ..	26	7 Mar.
Waltke and Co., W.	St. Louis, U.S.A. ..	47	3346	29 Mar. ..	..	..
Ward and Co., J. G.	Invercargill	42	3318-9 3323	6 Mar. ..	35	4 April.
Ward and Co., J. G.	Invercargill	42	3320 3324	6 Mar. ..	30	21 Mar.
Ward and Co., J. G.	Invercargill	42	3321-2	6 Mar.
Watson, H.	Hobart	42	3311	22 Feb.

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