SUPPLEMENT

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CONTENTS.

Patent Agent registered.

Patent Office,
Wellington, 18th July, 1901.

IT is hereby notified that

DONALD REID, Jun.,

of Dunedin, New Zealand, Solicitor, has been registered as a Patent Agent.

F. WALDEGRAVE,
Registrar.

Notice of Acceptance of Complete Specifications.

Patent Office,
Wellington, 24th July, 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

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No. 12807.—23rd July, 1900.—PHILIP HENRY KIRBY, of 87, Westgarth Street, Fitzroy, Victoria, Manufacturer. An improved anatomical concave cushion rubber hinge or waist for connecting the heels of boots and other footwear to the forepart thereof.*

[NOTE.—The title in this case has been altered. See List Provisional Specifications, *Gazette*, No. 69, of the 2nd August, 1900.]

Claim.—The described rubber attachment made up in one piece, comprised of three parts—viz., the sole part A with shoulder A^1, waist part B with channels B^1, and heel part C with shoulder C^1—and designed to connect the heel and forepart of boots and other footwear, as and for the purpose described, and constructed substantially as shown in the drawing.

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

No. 12844.—2nd August, 1900.—CORNELIUS LOT WHEELER, of South Belt, Christchurch, New Zealand, Flour-mill Engineer. Improved process of and apparatus for reducing wheat to flour.*

Claims.—(1.) The described process of reducing wheat to flour, consisting in reducing the grain without "breaking" by external friction, scalping or decorticating at the first operation, thereby removing the episperm or outermost skin by means of either millstones, suitable rolls, or discs, caused to rotate within a suitable casing; in either case a suitable valve is introduced into the discharge-outlet, and held in position by a suitable weight or spring attachment, to regulate the pressure so as to retain the material within the casing until it is reduced to the required degree, when the material falls into a spout connected with an aspirating-fan (or other equivalent) by means of which the "pollard" or "fluff" previously rubbed off is drawn away and deposited in a convenient receptacle; the grain is then subjected to similar treatment but without the aid of an aspirator, when it is reduced to the form of middlings or semolina, which is then elevated to a purifier (by means of which any remaining impurities are removed), thence conducted to the final reduction-device consisting of stones or smooth rollers, substantially as set forth. (2.) In apparatus for reducing wheat to flour, in combination, a mill such as G provided with suitable discs, the discharge-outlet being fitted with a suitable valve such as *c*, held in position by a lever and weight attachment (or other equivalent) to regulate the pressure and to retain the material within the mill until it is reduced to

the required degree; a pair of millstones such as A and D with casing E, the upper or running stone being provided with a "hub" B having arms *a* secured within the eye of the stone, the inside of said "hub" being bored out so as to fit rigidly upon a vertical-tapered spindle C passing through the lower or fixed stone, a suitable discharge-outlet F being fitted to the casing E, which is provided with a suitable valve *b*, substantially as described, and illustrated in the drawings. (3.) In apparatus for reducing wheat to flour, the application and use of a "hub" such as B having arms *a* secured to the running stone, so as to enable said stone to run rigidly upon the tapered spindle C passing through lower stone, substantially as described, and illustrated in the drawings. (4.) In apparatus for reducing wheat to flour, the application and use of a valve such as *c* to the discharge-outlet of the mill such as G (or of a valve such as *b* to the discharge-outlet of the casing of millstones if used in lieu of mill), substantially as and for the purpose described, and illustrated in the drawings.

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

No. 12940.—1st September, 1900.—JOHN JONES, of Buckland, Auckland, New Zealand, Farmer. A device for hanging gates.*

Claim.—A device for hanging a gate as shown in the drawings, and as particularly described in the specification, and whereby *a* is the hanging-post and *b* a spindle, *c* the block and *e* the bore; the block *c* is fitted over the spindle *b*, the bore *e* fitting over the spindle *b*, the block *c* also fitting over the post *a*; the block revolves on the spindle; the braces *f*, *f*, are attached to the gate and to the block *c*, which allows the gate to swing, the cleats *g*, *g*, keeping the gate in an upright position. (N.B.—The parts requiring protection are the block, spindle, braces and cleats, and the bore.)

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

No. 12984.—14th September, 1900.—JAMES BRODIE MACK, of 1, Park Street, Wellington, New Zealand, Customs Locker. A new or improved food for calves.*

Claim.—A food for calves consisting of a mixture of the waste products from the manufacture of rice-starch, powdered sugar or other saccharine matter, and a small proportion of a suitable alkali, prepared in the manner set forth and explained.

(Specification, 1s.)

No. 13044.—9th October, 1900.—JOHN HOLMES, of Wellington, New Zealand, Merchant, and THOMAS SAMUEL GRACE, of Blenheim, New Zealand, Archdeacon. An improved fire-escape ladder.*

Claims.—(1.) A fire-escape ladder composed of chains in combination with rungs having their ends bent at a right angle and passed through links of the said chains, substantially as and for the purposes set forth. (2.) A fire-escape ladder composed of chains in combination with rungs having their ends bent at a right angle and passed through links of the said chains, the said ends being pierced and provided with wires to secure the chains to the rungs, substantially as and for the purposes set forth. (3.) A fire-escape ladder composed of chains united at their upper ends and attached to a suitable support, in combination with rungs having their ends bent at a right angle and passed through links of the said chains, the ends of the upper rung being shorter than those of the lower rungs, substantially as and for the purposes set forth. (4.) The combination and arrangement of parts comprising our fire-escape ladder substantially as and for the purposes set forth.

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

No. 13539.—15th April, 1901.—GEORGE GRIFFITHS, of Birchfield, Buller, New Zealand, Engineer. A square-link clip chain.

Claim.—A square-link clip chain composed of links of iron or steel of square section with an oval ring of round section material in each end, substantially as and for the purpose set forth.

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

No. 13661.—30th May, 1901.—ALFRED GRA ROSSER, of William Street, Fremantle, Western Australia, Gentleman. An improved lock-nut.

Claims.—(1.) In lock-nuts, a lock-nut formed in two parts, one part being made with a recess or faucet having a different pitch to that of the inner or bolt thread of its own part, substantially as and for the purposes set forth and explained, and as illustrated in the drawings. (2.) In lock-nuts, a lock-nut formed in two parts, one part being made with an exterior threaded projection or spigot having a screw or thread of a different pitch to that of the inner or bolt thread of its own part, substantially as and for the purposes set forth and explained, and as illustrated in the drawings. (3.) In lock-nuts, the combination of two differential-threaded parts, as above claimed, which when interscrewed with each other form or act as one united nut, and which when being unscrewed cause a lock action, substantially as and for the purposes set forth and explained, and as illustrated in the drawings. (4.) In lock-nuts, two differential-threaded portions, as A and F, in combination with a retention or pinch screw-pin as E for to maintain such differential-threaded portions in a locked condition, substantially as and for the purposes set forth and explained, and as illustrated in the drawings.

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

No. 13709.—12th June, 1901.—GEORGE GARIBALDI TURRI, of Salisbury Building, Queen Street, Melbourne, Victoria, Patent Agent (nominee of the Cosmopolitan Power Company, of the Temple, Chicago, Illinois, United States of America, assignee of Thomas M. Colwell, of 184, La Salle Street, Chicago aforesaid). Improvements in the art of condensing steam or cooling fluids.

Claim.—The improvement in the art of condensing steam or cooling fluids whereby aqueous vapour is conducted, before expansion thereof, into effective propinquity to the steam or fluid, for absorbing the heat thereof, and is afterwards expanded or rarefied and then rapidly drawn off, substantially as described and set forth.

(Specification, 8s. 6d.; drawings, 1s.)

No. 13749.—20th June, 1901.—JOHN CROWTHER, of Invercargill, New Zealand, Brewer. An improved device for preventing dust, draught, and rain from entering under doors.

Claims.—(1.) In combination with devices for preventing draught, dust, and rain from entering under doors, a drop-board suspended by a spring or springs slotted at either end, attached to the long leg of a lever or levers by means of a light rod or rods, the short leg of the lever or levers being acted upon by a short shaft, to which is attached another shaft (arranged to screw into the shorter shaft); the longer shaft protrudes a short distance through the back of the door. A spring or springs, either straight or spiral, placed above or below the long leg of the lever or levers attached to a plate, the said plate being constructed so that it can be securely screwed or otherwise fastened to the bottom of the door. (2.) A small lever fitted to the door-jamb. (3.) Cheapness of construction, and adjustment to doors now in use and new doors and old doors, without damage to front or back of same. (4.) Immediate lift or depression of drop-board on opening or shutting door, substantially as and for the purpose set forth.

(Specification, 5s.; drawings, 3s.)

No. 13770.—29th June, 1901.—JOHN MCINNES, of Kaurihohore, Whangarei, Auckland, New Zealand, Mechanic. An improved clothes-line.

Claims.—An improved duplicate clothes-line with rings on to hold the clothes in place, and also hooks at ends to fasten lines to props.

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

No. 13779.—29th June, 1901.—ALFRED EVERARD MACINDOE, of Auckland, New Zealand, Engineer. A packing-holder for piston-rods, shafts, and suchlike, of engines, that require packing.

Claims.—(1.) The packing-holder in parts for fitting into the stuffing-box around the piston-rod, with the flange of each part bored to pass over screws, for the purpose set forth, substantially as described and illustrated. (2.) In combination, the packing-holder in parts fitted into the stuffing-box around the piston-rod, with the flange of each part bored to pass over screws and kept in position by nuts, nuts for securing said packing-holder to said stuffing-box, screws and nuts for lifting said packing-holder above said stuffing-box, means for checking in and separating parts of said packing-holder, gland and sleeve for fitting over said packing-holder and said stuffing-box, and nuts for securing said gland and sleeve, all for the purpose set forth, substantially as described and illustrated.

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

No. 13795.—6th July, 1901.—DONALD MCDOUGALL, of Christchurch, New Zealand, Merchant (assignee of Edward Smethurst, of Christchurch aforesaid, Commission Agent). Improved fencing-dropper, and clip to be used therewith,

Claims.—(1.) In fencing-droppers, the improved device consisting of a strip of light sheet-iron, or other suitable material, formed into T-shaped lengths, and having transverse grooves or indentations upon the face thereof at regular intervals, as described, and for the purpose set forth. (2.) In fencing-droppers, the adjustable clip as described, having lugs which are slotted to receive a strand of wire, and which is adapted to be locked upon a dropper, as illustrated, and for the purposes set forth. (3.) In fencing-droppers, in combination, a T-shaped iron having transverse grooves formed at regular intervals upon its face, and an adjustable clip as described, which locks the strand of wire to the dropper, as set forth. (4.) The modified form of dropper, as shown in Fig. 3, consisting of a strip of iron shaped concavely, and furnished with flanges in which are formed transverse grooves or indents, as described, and for the purpose set forth.

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

No. 13797.—9th July, 1901.—JAMES PETER ROE, of 721, King Street, Pottstown, Pennsylvania, United States of America, Mechanical Engineer. Improvements in and relating to puddling-machines.

Claims.—(1.) In a machine for puddling and balling or massing iron, the combination of a hearth having an opening at one end for the discharge of the iron in a mass, a door for said opening, means for movably supporting said hearth, means for oscillating said hearth, means for feeding heated gases to the hearth, and suitable chimneys or stacks carried at each end of the hearth for the escape of the products of combustion. (2.) In a machine for puddling and balling or massing iron, the combination of a hearth, means for movably supporting the hearth, means for imparting a rocking motion to the hearth, means for delivering products of combustion to the hearth, and means for conveying away from the hearth said products of combustion, said delivering and conveying means being located one at the middle and the other at the ends of the hearth. (3.) A machine for puddling and balling or massing iron, comprising a hearth having its bottom and the lower parts of its sides composed of water-pipes, and oxide of iron superposed on and adhering to said pipes, means for rocking said hearth, and means for delivering heated gases to said hearth, whereby all parts of the hearth are exposed to the heated gases, and the bottom and sides rebuilt from the oxide of iron contained in the bath. (4.) A machine for puddling iron, comprising a trough extending the full length of the machine, the bottom thereof consisting of a hollow metallic foundation and oxide of iron resting thereon, means for causing a circulation of water through said metallic foundation, means whereby one end of said trough is alternately raised and lowered below the level of the other end, and means for delivering the products of combustion to said trough, whereby the bath is caused to shift from end to end of the trough and thus expose said trough to the heating gases. (5.) A machine for puddling and balling or massing iron, comprising a hearth, means for feeding heated gases to said hearth, chimneys or stacks mounted on said hearth at each end thereof, and converging above the same, and means for rocking said hearth. (6.) A machine for puddling iron, comprising a trough, means for rocking said trough, a chimney or stack at each end of said trough, a damper for each chimney or stack, means whereby the dampers are opened and closed alternately, and means for delivering products of combustion to the trough located between said chimneys or stacks. (7.) A machine for puddling and balling or massing iron, comprising a trough, means for alternately raising and lowering the opposite ends of said trough, a chimney or stack at each end of said trough, dampers for said chimneys or stacks, and means for automatically opening one of said dampers and closing the other at each oscillation of the trough. (8.) A machine for puddling and balling or massing iron, comprising a trough having a chimney or stack mounted on each end thereof, means for feeding heated gases to said trough from each side thereof, and means for rocking said trough. (9.) A machine for puddling and balling or massing iron, comprising a trough having a chimney or stack mounted thereon at each end, means for feeding the heating agent to said trough between the ends thereof, and means for rocking said trough. (10.) A machine for puddling and balling or massing iron, comprising a trough having a chimney for the escape of the products of combustion of each end, means for feeding heated gases to said trough, and means for alternately tilting the ends of the trough, whereby the bath is caused to gravitate from end to end of the trough. (11.) In a machine for puddling and balling or massing iron, the combination of a furnace comprising a trough or hearth extending the full length of the machine, a roof over said trough or hearth, means for movably supporting said furnace, means for imparting a rocking motion thereto transverse the longitudinal axis of the furnace, and means for delivering hot products of combustion uniformly to all parts of the interior of the furnace. (12.) The combination, in a puddling-furnace, of a door-frame having a convex seat around the opening for the door, and a door having a similar convex seat around its inner face, to abut against the convex seat on the frame, whereby a rounded surface is presented to the liquid cinder, and the latter thus prevented from adhering to the door-frame and door upon chilling. (13.) The combination, in a puddling-furnace, of a door-frame comprising side jambs formed in sections arranged one above the other, an upper cross-girder, a lower cross-piece, a door comprising a series of castings to hold the lining arranged side by side, cross-girders to which said castings are secured, and a lining of refractory material. (14.) The combination, in a puddling-furnace, of a door-frame comprising an upper cross-girder having a flange formed with a convex seat, a lower cross-piece or plate having a convex seat, and side jambs having convex seats, and a door having a convex seat extending around the same and arranged to abut against the door-frame convex seats when the door is closed. (15.) The combination, in a puddling-furnace, of a door-frame comprising side jambs composed of a series of sections each having a convex seat at its edge, an upper cross-girder having a flange formed with a convex seat and said flange being slotted at intervals, a bottom cross-piece composed of a series of plates, each of which is formed with a convex seat, and a door having a convex seat surrounding the same to engage the convex seats on the frame. (16.) The described door for puddling-furnaces, comprising a series of castings each of which having a top and bottom flange on one side thereof, a recess on the opposite side having inclined side walls, refractory material for said recess, a joint-plate for securing said material in place, and suitable cross-girders arranged for connection with said castings to hold the same together. (17.) The combination, in a puddling-furnace, of a door-frame comprising an upper girder having a convex seat, a pipe arranged in proximity to said seat, a lower girder or cross-piece composed of separate plates each having convex seat formed thereon, side jambs having convex seats, and a door having a convex seat around its inner face arranged to engage the convex seats of the frame. (18.) The combination, in a puddling-furnace, of a door-frame having a convex seat surrounding the opening for the door, a door having a surrounding convex seat arranged to abut against the convex seat on the frame, and means for pivotally supporting the door in position.

(Specification, 13s. 6d.; drawings, 6s.)

No. 13800.—9th July, 1901.—PARNELL RABBIDGE, of Ben Boyd Road, Neutral Bay, Sydney, New South Wales, Electrician. Improvements in magneto-telephones.

Claims.—(1.) In telephones, a circuit starting from line, passing through the bell coils as a secondary of the transformer to earth, as set forth. (2.) In telephones, a circuit starting from line, passing through the bell coils as a secondary of the transformer, then through the generator to return line or earth, as specified. (3.) In telephones, a circuit which will include the receiver, the primary coil, transmitter, and battery, as specified. (4.) A telephone constructed with but two circuits instead of three, the same being effected by placing the receiver in the primary circuit, and utilising the secondary circuit for the purpose of either inductively connecting the speaking circuit to line or of sounding an alarm when the necessary current is passed through it from line, as specified. (5.) A telephone which will include with the primary wire of the transformer a receiver, transmitter, and battery, the receiver being either in series with transmitter, and battery, or in shunt with them, as specified. (6.) A telephone with two circuits inductively connected by a transformer, the one circuit consisting only of a length of wire on the transformer between line and return, while the other circuit contains the receiver and transmitter and a length of wire on the transformer to inductively connect it with line, as set forth. (7.) In telephones, the bell coils used as a transformer for the purpose of connecting extension services such as domestic telephones and fire-alarms, as specified. (8.) In telephones, the receiver inductively connected with line, as specified. (9.) The improvements in telephones as specified, as illustrated in the drawings, and for the several purposes set forth.

(Specification, 7s.; drawings, 1s.)

No. 13804.—10th July, 1901.—HAL GOODACRE, of New Plymouth, New Zealand, Boot-manufacturer. An improved boot-upper.

Claim.—A boot-upper formed from a single piece of leather or the like, having only one seam at the back, and with the stiffening on the outside at the back of the upper, and with the counter extending along each side on the outside of the stiffening to protect the seam and stiffening, substantially as and for the purposes specified and illustrated.

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

No. 13806.—11th July, 1901.—FRANCIS JAMES ODLING, of 2, Princes Walk, Princes Bridge, Melbourne, Victoria, Mining Engineer; and WILLIAM JAMIESON, of Broken Hill Chambers, Melbourne aforesaid, Gentleman. An improved process for magnetically separating pulverised ores, sulphide or otherwise, from their gangue or from each other.

Claims.—(1.) In the described process, a chamber within which air heated to the requisite temperature is maintained, and through which pulverised ore is rapidly passed to render the desired particles thereof which are susceptible to magnetic influence magnetic, combined with a water-bath for cooling the pulverised ores immediately after leaving the said chamber, substantially as and for the purpose described. (2.) In the described process, heating the pulverised ore by allowing it to fall or pass in a shower through a chamber, the side wall or walls of which imparts heat to it by the wall being surrounded by a furnace, and said chamber having a distributer at its top or feed end, and, when requisite, a water-well or bath at its bottom or discharge end, substantially as described and shown. (3.) The described process, consisting in heating pulverised ores rapidly by aid of heated air within a chamber, then immersing the heated ores in a cold-water bath, then, if not previously sized, passing them through a sizing-machine, and afterwards separating the magnetically attractable metals by aid of a magnetic separator, substantially as and for the purpose described. (4.) The described process, consisting in pulverising ores, then heating them to the requisite temperature within a heated chamber, then again allowing the ores to cool, then passing them through a sizing-machine if not previously sized, and finally separating the magnetically attractable portions by a magnetic separator machine, substantially as and for the purpose described.

(Specification, 5s. 6d.; drawings, 1s.)

No. 13817.—11th July, 1901.—BENJAMIN STANLEY NICHOLLS and JOHN HERBERT NICHOLLS, both of Auckland, New Zealand, Range-makers. An improved fire-grate for stoves and ranges.

Claims.—(1.) The movable grate adjusted so that its inner ends shall in a simultaneous movement turn on the projection at back of stove or range while its front ends engage and move upwards or downwards with the front bars for the purpose set forth, substantially as described and illustrated. (2.) The front bars, with openings to hold outer ends of fire-grate, and having on the tops of their outer bars projecting pins or pieces to engage lugs on stove or range for the purpose set forth, substantially as described and illustrated. (3.) In combination, the movable fire-grate, inwardly adjusted to projection and outwardly connected to front bars of stove or range, said front bars having projecting pins or pieces to engage lugs fixed to side of stove or range and openings to hold outer ends of fire-grate, said pins or pieces, said lugs, and said projection all for the purpose set forth, substantially as described and illustrated.

(Specification, 2s. 9d.; drawings, 1s.)

No. 13818.—16th July, 1901.—WILLIAM HENRY HARRISON, of 27, Fitzroy Street, Sydney, New South Wales, Metallurgist. Improvements in electro-amalgamation for the recovery of gold, silver, and mercury from crushed ores.

Claims.—The cathode cylinder, and the anodes in conjunction therewith, as and for the purposes stated; the silver- or mercury-well, and the copper cylinder working therein, as and for the purposes named; the application of an electrolytic current for this invention only, as described; the anodes for battery sands; the scraper; and the use of the chemical reagents named therein as cleansing agents, and not as solvents of gold or silver. I am not confined to shapes or sizes, but I claim the within-named invention substantially as described.

(Specification, 5s. 6d.; drawings, 2s.)

No. 13819.—16th July, 1901.—JAMES BARTLETT, of Blenheim, New Zealand, Decorator. A composition for destroying the action of the grease in scrim upon wall-papers secured thereto.

Claim.—A composition for destroying the action of grease in scrim upon wall-papers secured thereto consisting of a composition of carbolic acid, ammonia, Condy's fluid, and water, mixed together in the proportions specified, and added to the paste used for fastening the paper to the scrim, as set forth.

(Specification, 1s. 3d.)

No. 13820.—18th July, 1901.—WILLIAM KINGSLAND, of 8, Bream's Building's, Chancery Lane, London, England, Electrical Engineer. Improvements in or connected with electric switches having intermittent or step-by-step motions.

Claims.—(1.) In electric switches to which it is required to communicate intermittent or step-by-step motions, a spindle capable of being rocked in bearings by an operating arm or equivalent fixed thereto, which arm may be automatically brought to and held in a normal position by a counterweight or equivalent, and capable of being moved therefrom in either direction for a regulated distance, and an arm or disc fixed on the spindle to carry a freely suspended or pivoted double-ended pawl, suitably balanced, in combination with an intermittent wheel, loosely mounted on the spindle, or carried by a separate co-axial spindle, the intermittent wheel having two sets of ratchet teeth sloping in opposite directions and arranged in different planes, the movable switch-member being connected directly or indirectly to the intermittent wheel, so that when the arm is rocked the balanced or counterweighted pawl engages one or other of the sets of ratchet teeth according to the direction of motion given to the operating arm, thereby causing the intermittent wheel and the movable switch-member to be moved through a defined angular distance of travel, the action being then repeated in either required direction, substantially as set forth. (2.) In electric switches to which it is required to communicate intermittent or step-by-step motions, connecting the movable member of a switch, directly or indirectly, to an intermittent wheel mounted upon a spindle, and capable of being revolved, the wheel being formed with two sets of ratchet teeth sloping in opposite directions and arranged in different planes, in combination with an arm or disc mounted co-axially with the intermittent wheel and capable of receiving partial revolution by an operating arm or equivalent, the disc having a crank-pin or stud from which is suspended a ring encircling the intermittent wheel, there being oppositely arranged detents projecting in different planes from the inner circumference of the ring, so that one detent can operate upon one set of teeth, or the other detent upon the other set of teeth of the intermittent wheel, to partly rotate same and the switch therewith, according to the direction in which the disc is rocked by the operating arm, the latter being normally brought to and maintained in a central position, and its motion limited in either direction by stops, substantially as set forth. (3.) In tappet-operated electric switches, particularly applicable for the purposes of electrical traction, and to which it is required to communicate intermittent or step-by-step motions, mounting the tappet-operated arm upon a spindle carried in bearings, the arm being automatically brought to a normal position by a counterweight or equivalent, and capable of being rocked from thence in either direction for a distance limited by stops, and an arm or disc fixed to the said spindle and carrying a stud from which is suspended a ring having detents or pawls, one projecting from each side internally and in different planes, in combination with an intermittent wheel located within the ring and having two sets of ratchet teeth sloping in opposite directions and arranged in different planes, the wheel being loosely mounted upon the aforesaid spindle or upon a separate co-axial spindle, and being directly or indirectly connected with a cylindrical switch so that when the tappet-arm is rocked the ring-shaped pawl is brought into engagement with one or other set of the ratchet teeth by gravity, and the switch is moved through the required angular distance, after which the tappet-arm is automatically returned to its normal position, the direction of motion of the switch corresponding to the direction of motion given to the tappet-arm, substantially as set forth. (4.) In electric switches to which it is required to communicate intermittent or step-by-step motions, the combination and arrangement of the mechanism therefor, constructed, applied, and acting substantially as and for the purposes described with reference to the drawings.

(Specification, 9s.; drawings, 1s.)

No. 13821.—18th July, 1901.—OESTERREICHISCHE GASGLÜHLICHT UND ELECTRICITÄTSGESELLSCHAFT, of 4, Schleifmühlgasse, Vienna, Austria (assignee of Dr. Carl Auer von Welsbach, of 4, Wiedener Hauptstrasse, 69, Vienna aforesaid, Chemist). Improvements in supports for osmium filaments.

Claims.—(1.) A support for osmium filaments composed of sintered or fritted refractory oxide, non-adherent to incandescent osmium and chemically indifferent thereto, substantially as described. (2.) A support for osmium filaments composed of a sintered or fritted mixture of refractory oxides, non-adherent to incandescent osmium and chemically indifferent thereto, substantially as described. (3.) A support for osmium filaments composed of a sintered or fritted mixture of rare-metal oxide and other refractory oxide, substantially as described. (4.) A support for osmium filaments composed of a sintered or fritted mixture of rare-metal oxide and magnesia, substantially as described. (5.) A support for osmium filaments composed of a sintered or fritted mixture of thorium-oxide and other refractory oxide, substantially as described. (6.) A support for osmium filaments composed of a sintered or fritted mixture of thorium-

oxide and magnesia, substantially as described. (7.) A support for osmium filaments composed of a sintered or fritted mixture of ten parts by weight of thorium-oxide and one part by weight of magnesia, substantially as described.

(Specification, 3s. 6d.)

No. 13822.—18th July, 1901.—OSCAR PATRIC OSTERGREN, of Bedford Park, New York, United States of America, Engineer. Method of utilising the latent heat of the steam in steam-power apparatus.

Claims.—(1.) The method of utilising the latent heat of the exhaust steam of a steam-engine for useful effect in said engine, which consists in using air or other gaseous body together with steam as the motor fluid, condensing the spent steam and transferring the heat given up in the condensation of said spent steam to such gaseous body, and injecting said body into the boiler as a vehicle for returning said heat thereto for further useful effect of said body. (2.) The method of utilising the latent heat of the exhaust steam of a steam-engine for useful effect in said engine, which consists in using air or other gaseous body together with the steam as the motor fluid, condensing the spent steam, recooling and compressing the gaseous body separated from the condensed steam, and using it for effecting the condensation and for recovering the heat thereof, and returning said reheated gaseous body to the boiler for use together with the steam in the engine. (3.) In a latent-heat engine, the combination of a steam-generator, a motor engine, an air compressor and cooler, a pre-air-heater and steam-condenser intermediate of the motor engine and compressor on the one part and the generator on the other part, and means for introducing and mixing the air with the steam in the generator preparatory for use in the motor engine. (4.) In a latent-heat engine, the combination of a steam-generator, a motor engine, an isothermal air compressor and cooler, a pre-air-heater and steam-condenser intermediate of the motor engine and compressor on the one part and the generator on the other part, and means for introducing and mixing the air with the steam in the generator preparatory for use in the motor engine. (5.) In a latent-heat engine, the combination of a steam-generator, a motor engine, an air compressor and cooler, a pre-air-heater and steam-condenser intermediate of the motor engine and compressor on the one part and the generator on the other part, means for introducing and mixing the air with the steam in the generator, and a superheater for the mixed air and steam. (6.) In a latent-heat engine, the combination of a steam-generator, a motor engine, an air compressor and cooler, a pre-air-heater and steam-condenser intermediate of the motor engine and compressor on the one part and the generator on the other part, means for introducing and mixing the air with the steam in the generator, a superheater for the mixed air and steam, the pump for the compressor and cooler, and means for starting the motor engine by steam in advance of the supply of mixed air and steam. (7.) In a latent-heat engine, the combination of a steam-generator, a motor engine, an air compressor and cooler, a pre-air-heater and steam-condenser intermediate of the motor engine and compressor on the one part and the generator on the other part, and the air-heating coil in the steam-drum of the generator. (8.) In a latent-heat engine, the combination of a steam-generator, a motor engine, an air compressor and cooler, a pre-air-heater and steam-condenser intermediate of the motor and compressor-and-cooler on the one part and the generator on the other part, air-heating coil in the steam-drum of the generator, and the air- and steam-superheating coils in the steam-generator. (9.) In a latent-heat engine, the combination of a steam-generator, a motor engine, an air compressor and cooler, a pre-air-heater and steam-condenser intermediate of the motor engine and compressor on the one part and the generator on the other part, hot-well connected with the pre-heater, means for introducing the air and mixing it with the steam in the generator, and means for feeding the water of the hot-well into the generator. (10.) The combination of an engine and boiler, a source of relatively cool compressed air, and a condenser having independent passages, through one of which passes the engine-exhaust and through the other of which the compressed air passes on its way to the boiler in such a manner as to exchange temperatures and condense the exhaust steam, whereby the said air serves as a vehicle to return the latent heat given out by the condensation to the boiler.

(Specification, 10s.; drawings, 1s.)

No. 13824.—18th July, 1901.—JOHN SINCLAIR, of 15, Ballast Point Road, Balmain, near Sydney, New South Wales, Marine Engineer. Improvements in screw propellers and appurtenances for the propulsion and steering of ships, parts of which are applicable to universal joints or shaft-couplings.

Claims.—(1.) A universally naved screw propeller, usable also as a joint or coupling, consisting essentially of a sphere or of a hub, preferably hollow, having driving-pins thereon, a divided nave surrounding said hub and having peripheral slots or recesses therein in which said driving-pins may have fore-and-aft motion, and a tail-bearing, substantially as described and explained. (2.) The combination with the main screw-shaft of a steamer of a universally naved propeller or joint or coupling so that the screw propeller may be set in a longitudinal plane at an angle other than a right angle to the water-line of said steamer, or, in other words, set with the axial line at an angle other than a right angle with the axial line of the screw-shaft, substantially as described and explained. (3.) The combination and arrangement of mechanical parts all together forming a universal nave or joint or shaft-coupling, substantially as described and explained, and as illustrated in Figs. 1, 2, 3, 4, 5, 6, and 7 of the drawings. (4.) The combination with a universally naved propeller or joint or shaft-coupling of a frame carrying loosely or fixed a tail-bearing, and having a post or shank in vertical line with the centre of said universally naved propeller or joint or shaft-coupling and adapted to give radial motion to the said tail-shaft, and the devices thereon, substantially as described and explained, and as illustrated in the drawings. (5.) The combination of mechanical parts for the purposes set forth, substantially as described and explained, and as illustrated in Figs. 8 and 11 of the drawings. (6.) The combination of mechanical parts for the purposes set forth, substantially as described and explained, and as illustrated in Fig. 9 of the drawings. (7.) The combination of mechanical parts for the purposes set forth, substantially as described and explained, and as illustrated in Fig. 10 of the drawings. (8.) The combination of mechanical parts for the purposes set forth, substantially as described and explained, and as illustrated in Fig. 12 of the drawings. (9.) The combination of mechanical parts for the purposes set forth, substantially as described and explained, and as illustrated in Fig. 13 of the drawings. (10.) The combination of mechanical parts for the purposes set forth, substantially as described and explained, and as illustrated in Figs. 14 and 15 of the drawings.

(Specification, 12s.; drawings, 5s.)

No. 13825.—18th July, 1901.—EDWARD WATERS, Jun., a member of the firm of Edward Waters and Son, Patent Agents, of 414–418, Collins Street, Melbourne, Victoria (nominee of the Linotype Company, Limited, of 188, Fleet Street, London, England, the assignees of Philip Charles Lawless, of 188, Fleet Street, London aforesaid). Improvements in wipers for use in linotype machines.

Claims.—(1.) The combination with the metal-pot and the mould-wheel of a linotype machine, of a wiper for the mouth-piece of the said metal-pot, working within the circle of the mould-wheel and actuated in one direction by the motion through a certain arc of a stud on the said wheel, and in the other by the resilience of a spring that is generated by the said motion. (2.) The combination with the metal-pot and the mould-wheel of a linotype machine, of a wiper for the mouth-piece of the metal-pot, an arm radial to the axis of the mould-wheel and carrying the said wiper on its outer end, a spiral spring surrounding the bearing of the mould-wheel, fast by one end to a base independent of the rotary motion of the mould-wheel and having the said arm practically fast to its other end, a stud on the mould-wheel engaging the said arm to make the wiper wipe the mouth-piece, and means for disengaging the said arm from the stud after the mouth-piece has been wiped, and leaving it free to be returned to its original position by the resilience of the spring. (3.) The combination with the metal-pot and mould-wheel of a linotype machine, of a wiper for the mouth-piece of the metal-pot, an arm radial to the axis of the mould-wheel and carrying the said wiper on its outer end, a spiral spring surrounding the bearing of the mould-wheel, fast by one end to a base independent of the rotary motion of the mould-wheel and having the arm practically fast to its other end, a stud on the mould-wheel engaging the arm to make the wiper wipe the mouth-piece, and a cam-surface for disengaging the arm from the stud as soon as it has been wiped, and leaving it free to be returned to its original position by the resilience of the spring as soon as such wiping has been effected. (4.) The combination with the metal-pot and the mould-wheel of a linotype machine, of a wiper for the mouth-piece of metal-pot, an arm radial to the axis of the mould-wheel and carrying the said wiper on its outer end, a spiral spring surrounding the bearing of the mould-wheel eccentrically to the axis of it, fast by one end to a base independent of the rotary motion of the mould-wheel and having the said arm practically fast to its other end, a contact-piece adjustable lengthwise of the arm, and a stud on the mould-wheel to engage the said contact-piece to make the wiper wipe the mouth-piece, and to leave it free to be returned to its original position by the resilience of the spring as soon as such wiping has been effected. (5.) The combination with the metal-pot and the mould-wheel of a linotype machine,

of a wiper for the mouth-piece of the metal-pot, an arm radial to the axis of the mould-wheel and carrying the said wiper on its outer end, a spiral spring surrounding the bearing of the mould-wheel eccentrically to the axis of it, fast by one end to a base independent of the rotary motion of the mould-wheel and having the said arm practically fast to its other end, a contact-piece on the arm, and a stud on the mould-wheel to engage the said contact-piece to make the wiper wipe the mouth-piece and to leave it free to be returned to its original position by the resilience of the spring as soon as such wiping has been effected. (6.) In an automatic wiper for the mouth-piece of the metal-pot of a linotype machine, working within the circle of the mould-wheel, the combination of mould-wheel bearing, spiral spring surrounding the same and concentric therewith, and interposed ring. (7.) In an automatic wiper for the mouth-piece of the metal-pot of a linotype machine, working within the circle of the mould-wheel, the combination of wiper-arm, mould-wheel bearing, spiral spring surrounding the same and concentric therewith, ring interposed between the said bearing and spring, and means for holding the adjacent ends of the wiper-arm and spring to the ring.

(Specification, 9s. 6d.; drawings, 4s.)

No. 13832.—18th July, 1901.—JAMES TANNER, of Long Gully, Mathinna, Tasmania, Engine-driver. Improvements in lanterns.

Claims.—(1.) In lanterns as described, a cylindrical glass or shade having its ends roughened whereby a corrugated rimmed tray supporting the illuminant may be made to adhere thereto by friction, and a roof connected to the body of said lantern by means of clips mounted upon an adjustable strap, as described and illustrated. (2.) In lanterns as described, means for securing the roof to the body of the lantern, consisting of an adjustable strap as described, rigidly secured to the lantern-glass and furnished with spring clips which engage with the rim of the roof, as and for the purpose set forth. (3.) In lanterns as described, in combination, a cylindrical glass or shade having its ends roughened whereby a corrugated rimmed tray supporting the illuminant may be made to adhere thereto by friction, means for holding candle on the tray, a detachable roof, and an adjustable metal strap provided with spring clips that engage with and hold the said roof to the lantern, as set forth. (4.) The adjustable strap G adapted to firmly grip the glass shade of a lantern, having lugs *h*, which are turned over to form a catch or holdfast, through which the opposite end of the strap is passed, and which is rolled up upon the opposite side of said holdfast, and spring clips taking into lugs upon the strap, said clips engaging with a detachable roof, as illustrated, and for the purposes set forth. (5.) In lanterns as described, in combination, a cylindrical glass or shade having its ends roughened, a corrugated rimmed tray, and a candle-holding device, consisting of dogs formed in a disc of tin and turned up at right angles thereto, secured to said tray, and an adjustable strap having spring clips engaging with a detachable roof, substantially as described. (6.) The special device for holding the candle, consisting of dogs formed in a disc of tin as explained and illustrated in the drawing. (7.) The general arrangement, construction, and combination of parts in my improved lantern, as described and illustrated, and for the purposes set forth.

(Specification, 3s. 6d.; drawing, 1s.)

No. 13838.—19th July, 1901.—JOB OSBORNE, of Doyleston, Canterbury, New Zealand, Farmer. An improvement in boring-machinery.

Claims.—(1.) The combination and arrangement of parts by which "core" boring-machinery is actuated from artesian-well-driving-and-boring apparatus, substantially as and for the purposes described and illustrated. (2.) In boring-machinery, the combination of a pinion upon spindle *b* gearing with a wheel *d* fixed upon a shaft *e* having a sprocket-wheel *g* geared by a chain *h* with a sprocket-wheel *i* upon a counter-shaft *k* having a wheel *l* gearing with a wheel upon the "core" boring tube or rod, substantially as and for the purposes described and illustrated.

(Specification, 1s. 6d.; 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, 24th July, 1901.

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

No. 13760.—27th June, 1901.—EDWIN TOMS, of Victoria Street, Wellington, New Zealand, Commercial Traveller, and ANDREW CHARLES POCOCK, of Dannevirke, New Zealand, Plumber. Improvements in acetylene-gas generators.

No. 13796.—6th July, 1901.—JOHN JOSEPH LEAHY, of 106, Barnard Street, North Adelaide, South Australia, Contractor, and ARTHUR PARMITER, of 5, Selby Street, Adelaide aforesaid, Carpenter. Improved method of and means for transferring travelling-belts from one pulley to another.

No. 13798.—9th July, 1901.—PETER ROBERTSON RUSSELL, of 17, Scarborough Terrace, Wellington, New Zealand, Saddler. Improved means of shaping leggings and blocking out leggings.

No. 13801.—10th July, 1901.—JAMES HANLEY, of Gore, New Zealand, Farmer, and WILLIAM JOHN IRWIN, of Hokonui, Southland, New Zealand, Farmer. An improved key for bolts and other appliances.

No. 13802.—10th July, 1901.—JAMES HANLEY, of Gore, New Zealand, Farmer, and WILLIAM JOHN IRWIN, of Hokonui, Southland, New Zealand, Farmer. An improved trouser-fastening for cyclists.

No. 13803.—10th July, 1901.—ISAAC HARRISON, of Wellington, New Zealand, Condiment-manufacturer. Improved means for filtering and drawing off the contents of beer and other barrels.

No. 13805.—8th July, 1901.—JOHN BEDFORD MCNAUGHT, Engineer, LOUIS HENRY ROGERS, Prospector, and JAMES MCQUEEN, Importer, all of Dunedin, New Zealand. Double-speed gear for bicycles.

No. 13807.—11th July, 1901.—RICHARD HAYES, of 43, William Street, North Sydney, New South Wales, Engineer. An improved boiler-tube cleaner.

No. 13808.—11th July, 1901.—EDWARD JAMES HORWOOD, Mining Engineer, and CYRIL GAVAN HYLTON, Mechanical Engineer, both of Broken Hill, New South Wales. In concentrating-tables, an improved means for returning the middle product to the table for retreatment.

No. 13810.—9th July, 1901.—ELI JAMES BUTTERWORTH, of Queen Street, Auckland, and Manurewa, Auckland, New Zealand, Carpenter. An improved fire-alarm.

No. 13811.—12th July, 1901.—JOHN A'DEANE, of Napier, New Zealand, Saddler, THOMAS MASON CHAMBERS, of Tauroa, Havelock North, New Zealand, Sheep-farmer, and PATRICK STIRLING MCLEAN, of Napier aforesaid, Solicitor. Improvements in cycles and other vehicles of a similar nature.

No. 13813.—13th July, 1901.—EDWARD SPREY, of New Brighton, Canterbury, New Zealand, Hawker. Improvements in clogs.

No. 13814.—11th July, 1901.—DIXON CATLEY, of Renwicktown, Marlborough, New Zealand, Bootmaker. Double-grip lasting-pinchers.

No. 13815.—15th July, 1901.—CHARLES HORACE GILBY, of Worcester Street, Christchurch, New Zealand, Accountant. Improved siphon for drawing kerosene and the like from closed tins.

No. 13816.—13th July, 1901.—CHARLES MAY, of Dunedin, New Zealand, Mechanical Electrician. Improved automatic electric water-level-registering appliances.

No. 13823.—18th July, 1901.—THOMAS FIRTH, of 5, Martin Street, Wellington, New Zealand, Labourer. Improvements in metal taps used for water and other liquids.

No. 13826.—18th July, 1901.—JAMES STEEDMAN HOLMES, of 207, Palmerston Street, Carlton, Victoria, Machinist. Improved manifold counter-check or sales-book for drapers, traders, and others.

No. 13827.—18th July, 1901.—EDWARD BERNARD SHEERAN, of Huntly, Auckland, New Zealand, Bootmaker. Improvements in or relating to locks and keys.

No. 13829.—16th July, 1901.—THOMAS READ, of Symonds Street, Auckland, New Zealand, Engineer. An improved fire-escape or life-saving appliance.

No. 13833.—18th July, 1901.—WILLIAM HENRY BEERE, of Glenroy, Canterbury, New Zealand, Farmer. Improved seed-sowing apparatus.

No. 13834.—18th July, 1901.—EDWARD SMETHURST, of Christchurch, New Zealand, Commission Agent. A new or improved hand-glove for use on bicycles and the like.

No. 13837.—19th July, 1901.—ALEXANDER STORRIE, of Invercargill, New Zealand, Agricultural-implement Maker. An improved turnip- and manure-ridger and potato-planter combined.

No. 13840.—22nd July, 1901.—ROBERT WLADISLAS DE MONTALK, of Auckland, New Zealand, Architect. Improved means for draining the floors of insulated rooms and for keeping the insulation dry.

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 11th July, 1901, to the 24th July, 1901, inclusive:—

No. 12523.—W. Andrews and A. W. Beaven, chaff-cutter.
No. 12525.—J. F. McCarthy, spark-arrester.
No. 12554.—J. Ramage, acetylene-generator.
No. 12565.—G. G. Sale, concentrator.
No. 12673.—A. J. Madden, filter.
No. 12689.—J. Forsyth, treating flax.
No. 13317.—J. P. Campbell, electro-magnetic brake. (F. L. Clark.)
No. 13348.—J. P. Campbell, dynamo-electric generator. (B. G. Lamme.)
No. 13349.—J. P. Campbell, oil-pump. (C. Robinson.)
No. 13354.—J. C. Clancy and L. W. Marsland, extracting metals.
No. 13421.—H. Glade, road-skate.
No. 13463.—J. P. Campbell, system of electrical distribution. (B. G. Lamme.)
No. 13512.—J. P. Campbell, system of electrical distribution. (N. W. Storer.)
No. 13543.—H. E. Gresham, railway-brake.
No. 13544.—Right Hon. D. M. B. H. Cochrane, teapot.
No. 13549.—W. E. Hughes, rheostat element. (T. S. Perkins.)
No. 13550.—E. B. Watson, dress-fastening.
No. 13551.—P. J. Parmiter, turnip hoe and thinner.

F. WALDEGRAVE,
Registrar.

Letters Patent on which Fees have been paid.

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

SECOND-TERM FEES.

NO. 9471.—A. F. B. Gomess, treating fibres. 10th July, 1901.
No. 9673.—R. D. Hume, can-making machine. 11th July, 1901.
No. 9676.—E. R. Wethered, means for controlling horses. 11th July, 1901.
No. 9703.—A. Burges, lifting-jack. 18th July, 1901.
No. 9777.—T. Edwards, ore-furnace. 18th July, 1901.
No. 9925.—The Wireless Telegraph and Signal Company, Limited, wireless telegraphy. (G. Marconi.) 18th July, 1901.
No. 10220.—A. Kapteyn, railway-brake valve. 11th July, 1901.

THIRD-TERM FEES.

No. 6955.—J. Moderate, wool-press. 12th July, 1901.
No. 6974.—A. Gray, race-starter. 18th July, 1901.
No. 6982.—G. E. Hudson, G. Sanderson, and W. J. Baker, purifying and heating feed-water. 11th July, 1901.

F. WALDEGRAVE,
Registrar.

Subsequent Proprietors, &c., of Letters Patent registered.

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

NO. 3919.—The Linotype Company, Limited, having its place of business at 188, Fleet Street, London, England, casting type-bars. [E. Waters—The Linotype Syndicate of Great Britain—J. Bright.] 22nd July, 1901.
No. 7001.—The Linotype Company, Limited, of 188, Fleet Street, London, England, linotype machine. [E. Waters—O. Mergenthaler.] 22nd July, 1901.
No. 8815.—The National Typographic Company, having its principal office at 45, Broadway, New York, State of New York, United States of America, linotype machine. [O. Mergenthaler.] 23rd July, 1901.
No. 8842.—The National Typographic Company, having its principal office at 45, Broadway, New York, State of New York, United States of America, linotype machine. [O. Mergenthaler.] 23rd July, 1901.

F. WALDEGRAVE,
Registrar.

Request to correct Clerical Error.

NO. 13782.—W. E. Krey and A. Duppler, twisting-in machine (advertised in Supplement to *New Zealand Gazette* No. 68, of the 11th July, 1901).—To alter the word "and" to "of," line 3, claim 1; and to alter the figure "6" to "5," line 30, page 15.

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 11th July, 1901, to the 24th July, 1901, inclusive:—

No. 12920.—H. J. Jones and J. Baker, motorpictoroscope.
No. 12966.—N. R. Gordon, aerial machine.
No. 12967.—J. Day, goods-elevator.
No. 12971.—A. I. Hulme, copper.
No. 12972.—P. and D. Duncan, Limited, street-watering cart. (J. Keir.)
No. 12975.—H. R. Walker, railway coupling-gear.
No. 12976.—H. R. Walker, spark-arrester.
No. 12979.—F. Broad, damping copying-cloths.
No. 12980.—F. W. Quaife, sealing-composition.
No. 12982.—F. Broad, laundry-iron.
No. 12983.—W. Pinches, candlestick.
No. 12985.—G. Foster, gold-saving mat.
No. 12987.—F. and G. N. Lucas, sanitary receptacle.
No. 12988.—M. Mouat, a game.
No. 12990.—R. W. Brown, cycle-lever attachment.
No. 12991.—C. Wesley, dredge bucket and links.
No. 12996.—W. E. Hughes, cork-extractor. (One Hand Cork-puller Company—H. H. Beaumont and M. Kaysen.)
No. 12997.—H. L. Ziele, bracket.
No. 13003.—J. A. Colville, gate-fastener.
No. 13005.—J. Smythe and T. M. Baldwin, gold-saving apparatus.
No. 13006.—R. P. Chatfield, spur attachment.
No. 13007.—G. E. Garard, cycle-tire.
No. 13008.—W. Tyree, acetylene-generator.
No. 13009.—W. Tyree, acetylene-lamp.
No. 13013.—W. Lisle, cart-jack.

F. WALDEGRAVE,
Registrar.

Applications for Letters Patent lapsed.

LIST of applications for Letters Patent (with which complete specifications have been lodged) lapsed from the 11th July, 1901, to the 24th July, 1901, inclusive:—

No. 12308.—C. M. Malfroy, snatch-block.
No. 12310.—H. L. Mainland, hair-pin.
No. 12336.—R. O. Clark, jun., foundation-pile.

F. WALDEGRAVE,
Registrar.

Letters Patent void.

LIST of Letters Patent void through non-payment of fees from the 11th July, 1901, to the 24th July, 1901, inclusive:—

THROUGH NON-PAYMENT OF SECOND-TERM FEES.

No. 9439.—J. Acton, sack-elevator.
No. 9444.—W. Dalton, lug or ear for bucket.
No. 9446.—Massey-Harris Company, Limited, cycle-brake. (S. Fader.)
No. 9455.—F. H. Haviland and W. H. Murch, acetylene-generator.
No. 9457.—C. A. Mulholland and R. M. Cochrane, extracting metals.
No. 9458.—M. Weber, stamper-battery.
No. 9459.—The American Tobacco Company of New Zealand, Limited, cigarette-machine. (D. J. Campbell.)
No. 9460.—The American Tobacco Company of New Zealand, Limited, cigarette. (D. J. Campbell.)
No. 9461.—J. Marsh, flushing siphon-cistern.
No. 9462.—J. Martin, supplying heated air to boiler-furnaces.
No. 9464.—J. M. Smart, preserving. (T. Perkins.)
No. 9465.—J. M. Smart, preserving. (T. Perkins.)
No. 9554.—A. Hamann, saving pastry from burning.

THROUGH NON-PAYMENT OF THIRD-TERM FEES.

No. 6781.—J. Smythe, marking carcases. (E. G. Holloway.)
No. 6782.—F. S. Cory, kerosene-tin bucket-holder.
No. 6784.—J. D. Everett, cycle-wheel.
No. 6788.—J. E. Taylor, tidal motive-power.

F. WALDEGRAVE,
Registrar.

Applications for Registration of Trade Marks.

Patent Office,
Wellington, 24th July, 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: 3414.

Date: 10th June, 1901.

TRADE MARK.

The word

OCEANIC.

NAME.

WRIGHT, STEPHENSON, AND CO., of Dunedin, New Zealand, Wool and Grain Brokers, Seed and Manure Merchants, &c.

No. of class: 2.

Description of goods: Phosphatic guano as a manure for all crops, more especially turnip-crops.

No. of application: 3419.

Date: 15th June, 1901.

TRADE MARK.

The essential particulars of this trade mark are the words "The Big C," and the distinctive label; and any right to the exclusive use of the added matter is disclaimed.

NAME.

ALFRED ERNEST SYKES, of New Plymouth, New Zealand, Chemist.

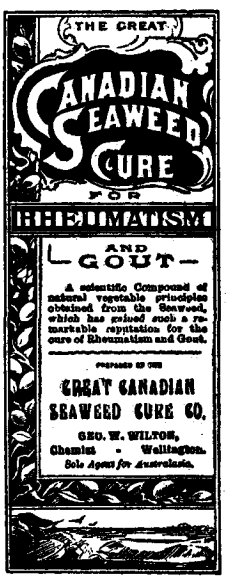
No. of class: 3.

Description of goods: A cure for corns,

No. of application: 3443.

Date: 1st July, 1901.

TRADE MARK.



The essential particular of this trade mark is the general design of the label; and any right to the exclusive use of the added matter is disclaimed.

NAME.

GEORGE W. WILTON, of 3, Cuba Street, Wellington, New Zealand, Chemist.

No. of class: 3.

Description of goods: A medicinal compound for the cure of rheumatism, gout, and similar ailments.

No. of application: 3445.

Date: 1st July, 1901.

TRADE MARK.

The applicants claim that the said trade mark has been used by them, in respect of the articles mentioned, since before the 1st January, 1890.

NAME.

THE AMERICAN TOBACCO COMPANY, a corporation organized and existing under the laws of the State of New Jersey, one of the United States of America, and having an office at 111, Fifth Avenue, New York, United States of America.

No. of class: 45.

Description of goods: Tobacco, whether manufactured or unmanufactured, including cigars and cigarettes.

No. of application: 3446.

Date: 3rd July, 1901.

TRADE MARK.

The essential particulars of this trade mark are the device, and the word "Pioneer"; and any right to the exclusive use of the word "Brand" is disclaimed.

NAME.

ORPWOOD AND CO., of Auckland, New Zealand, Manufacturers.

No. of class: 38.

Description of goods: Ladies' and children's underclothing, skirts, blouses, bonnets, and hats.

No. of application: 3451.

Date: 9th July, 1901.

TRADE MARK.

The word

REGINTA.

NAME.

JACOB HARRIS, of 19, Willis Street, Wellington, New Zealand, Music-importer.

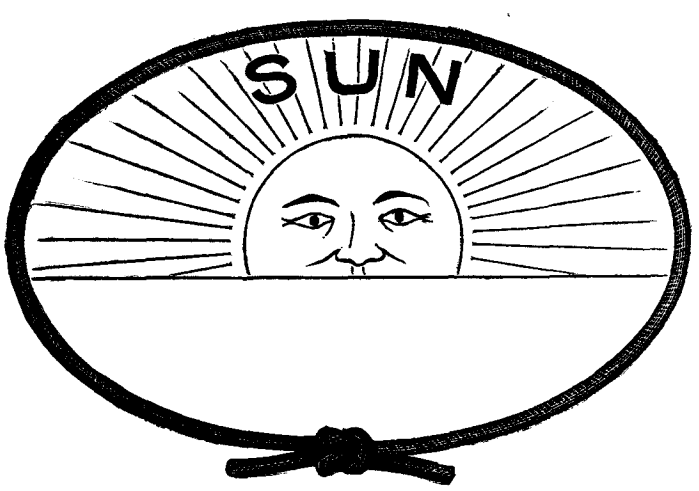
No. of class: 9.

Description of goods: Violin and similar strings.

No. of application: 3453.

Date: 11th July, 1901.

TRADE MARK.



NAME.

N. GUTHRIDGE, LIMITED, of 486, Collins Street, Melbourne, Victoria, Merchants

No. of class: 20.

Description of goods: Fuse, and all other goods in such class.

No. of application: 3454.

Date: 11th July, 1901.

TRADE MARK.

The word

HERCULES.

NAME.

N. GUTHRIDGE, LIMITED, of 486, Collins Street, Melbourne, Victoria, Merchants.

No. of class: 20.

Description of goods: Nitro-glycerine compounds, and all other goods in such class.

No. of application: 3455.

Date: 11th July, 1901.

TRADE MARK.

The word

MAZAWATTEE

NAME.

THE MAZAWATTEE TEA COMPANY, LIMITED, of Tower Hill, London, England, Merchants.

No. of class: 42.

Description of goods: Substances used as food or as ingredients in food.

No. of application: 3463.

Date: 23rd July, 1901.

TRADE MARK.

The essential particulars of this trade mark are the device of an orb having thereon horizontal and half vertical bands carrying diamond-shaped figures, and a Maltese cross connected to top of orb, and the word "Orb" on part of device below the horizontal band; and the applicants disclaim any right to the exclusive use of the added matter, save and except their trading name and address.

NAME.

BENJAMIN STANLEY NICHOLLS and JOHN HERBERT NICHOLLS, both of Auckland, New Zealand, Range-makers.

No. of class: 18.

Description of goods: Building contrivances, such as warming-apparatus, ventilating-apparatus, filtering-apparatus, lighting contrivances, drainage contrivances, stoves, ranges, grates, and ornamental castings.

Trade Marks registered.

LIST of Trade Marks registered from the 11th July, 1901, to the 24th July, 1901, inclusive:—

No. 2618; 3353.—C. J. Badham; Class 50. (*Gazette* No. 44, of the 2nd May, 1901.)

No. 2619; 2913.—J. Whiteman; Class 42. (*Gazette* No. 44, of the 2nd May, 1901.)

No. 2620; 3311.—H. Watson; Class 42. (*Gazette* No. 44, of the 2nd May, 1901.)

No. 2621; 3365.—G. McEwin and Son; Class 42. (*Gazette* No. 44, of the 2nd May, 1901.)

F. WALDEGRAVE,
Registrar.

Alphabetical List of Applicants for Letters Patent for Quarter ending 30th June, 1901.

THIS list includes also (1) applications lodged prior to but gazetted during the quarter, (2) complete specifications following provisional specifications, accepted 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.
Abbott, H. W., and another, Chicago, U.S.A. Coin-counting machine	13534	12 April ..	39	18 April.
Alden, S. R., and another, Fort Wayne, U.S.A. Recovering metals	13595	9 May ..	..	..
Allen, A., and another, Christchurch, N.Z. Relieving pressure upon horse when brake is applied	13645	23 May ..	54	30 May.*
Alsop, W., Newcastle, N.S.W. Rotary engine	13685	6 June ..	58	13 June.*
Andrew, G. E., Melbourne, Vic. Packing rabbits	13556	26 April ..	44	2 May.*
Andrews, A. C., and another, Christchurch, N.Z. Pencil-sharpener	13652	29 May ..	58	13 June.*
Andrews, F. J. H., and another, Mangatoki, N.Z. Grinding- and sharpening-stone	13581	4 May ..	49	16 May.*
Andrews, F. O., Christchurch, N.Z. Potato-digging machine and cultivator	13623	16 May ..	54	30 May.*
Andrews, O., Levin, N.Z. Milk-can	13608	13 May ..	49	16 May.
Ashcroft, R. W., and another, Stratford, N.Z. Rim for milk-can lid	13111	29 Oct., 1900 ..	54	30 May.
Atkin, A. C., Auckland, N.Z. Axle-nut and oil-cap for vehicle wheels	13650	25 May ..	54	30 May.*
Atkins, G. J., Middlesex, Eng. Production of oxychloride salts ..	13598	9 May ..	49	16 May.
Ayson, A. R., Gore, N.Z. Kerosene-tin handle-attachment ..	13654	29 May ..	58	13 June.
Baddeley, R. M., Auckland, N.Z. Ventilator	13580	1 May ..	49	16 May.
Baker, G. S., and another, London, Eng. Dough-moulding machine. (C. A. Thomson)	13630	22 May ..	54	30 May.
Baker, J., Melbourne, Vic. Bicycle	13712	13 June ..	63	27 June.
Baker, W. K., and another, London, Eng. Dough-moulding machine. (C. A. Thomson)	13630	22 May ..	54	30 May.
Band, H. F., Omaha, U.S.A. Clamping crossed wires together ..	13618	16 May ..	54	30 May.
Barker, W., Auckland, N.Z. Cutting boot-laces	13668	29 May ..	58	13 June.
Barnes, J. C., Sydney, N.S.W. Machine sheep-shears	13704	10 June ..	58	13 June.
Barney, G., Waitohi Flat, N.Z. Plough	13565	10 May ..	49	16 May.*
Barr, M., and others, London, Eng. (See E. Waters, jun., No. 13265.)				
Bayldon, T. C., Thames, N.Z. Marine composition	13553	24 April ..	44	2 May.
Bean, E. E., Warner, U.S.A. (See Hoop-lock Machine Company, No. 13334.)				
Benda, F. E., Adelaide, S.A. Skirt- and belt-holder. (S. Benda) ..	13533	11 April ..	39	18 April.*
Benda, S., Syracuse, U.S.A. (See F. E. Benda, No. 13533.)				
Bennett, J. M., Awahuri, N.Z. Filter for purifying factory drainings, &c.	13569	1 May ..	49	16 May.*
Bennett, K. M., and others, Denver, U.S.A. Tamping-plug ..	13662	30 May ..	58	13 June.
Benson, F. G., Malvern, S.A. Perfume, &c., sprayer	13576	3 May ..	..	..
Bettany, H. J., Nelson, N.Z. Reel for builders' lines, tapes, &c. ..	13637	23 May ..	58	13 June.
Birch, H., Dunedin, N.Z. Dredge-bucket	13566	24 April ..	44	2 May.*
Blair, J. C., and another, Louisville, U.S.A. Fountain spittoon ..	13339	28 Jan. ..	58	13 June.
Borgstrom, A. H., Helsingfors, Finland. Ventilating milk and cream during separation	13718	14 June ..	63	27 June.
Borgstrom, A. H., Helsingfors, Finland. Ventilating milk or cream in closed vessels	13719	14 June ..	63	27 June.
Bowring, J. C., Sydney, N.S.W. Grate-bar for furnaces	13717	14 June ..	63	27 June.
Boyd, T., Christchurch, N.Z. Cycle saddle	13523	2 April ..	39	18 April.
Bremner, J., Milton, N.Z. Revolving door-jamb	13625	16 May ..	54	30 May.*
Bridgwater, H. H., and another, Akron, U.S.A. (See L. L. B. Mount, No. 13716.)				
British Motor Traction Company, Limited, London, Eng. (See W. E. Hughes, No. 13461.)				
Bromiley, W., Dunedin, N.Z. Insect-killing composition	12891	17 Aug., 1900 ..	54	30 May.
Bromiley, W., Dunedin, N.Z. Vessel for containing material for killing moths	12892	17 Aug., 1900 ..	58	13 June.
Browning, W. W., and another, Nelson, N.Z. Silencing exhaust of gas- and oil-engines	13743	22 June ..	68	11 July.
Brownley, A. H., and another, Onehunga, N.Z. Candle-holder ..	13755	26 June ..		
Bull, H. C., and another, London, Eng. Extracting gold from sea-water	13656	29 May ..	58	13 June.
Burrows, G. H., Somerville, U.S.A. (See A. R. Fowler, No. 13729.)				
Bursill, F. W., Sedgmere, N.Z. Swinger for wire-fence	13703	10 June ..	58	13 June.*
Butler, W. H., New York, U.S.A. (See Universal Machine Company, No. 13644.)				
Caldwell, R., Auckland, N.Z. Fire-escape	13751	20 June ..	68	11 July.*
Calvert, T. H., Dunedin, N.Z. Candle-extinguisher	13519	3 April ..		
Cambridge, C. F. A., Styx, N.Z. Measuring milk	13606	7 May ..	49	16 May.
Cameron, E. A., and another, Dunedin, N.Z. Ventilator	13723	12 June ..	63	27 June.*
Campbell, J. P., Wellington, N.Z. Conduit electric-railway. (W. Chapman)	13666	30 May ..	58	13 June.
Campbell, J. P., Wellington, N.Z. Draught-appliance for railway-vehicle. (G. Westinghouse)	13667	30 May ..	58	13 June.
Campbell, R. F., and another, Brookside, N.Z. Turnip- and root-slicer	13738	19 June ..	63	27 June.*

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

Name, Address, and Invention.	Application.		*Gazette.*	
	No.	Date.	No.	Date.
Carter, J., Belfast, Ireland. Collar- and cuff-fastener	13639	23 May	..	..
Carter, R. H., Kimbolton, N.Z. Axe-head	13611	14 May	54	30 May.*
Chambers, R., New Plymouth, N.Z. Friction-hoist	13585	8 May	..	..
Channing, H. W., Ballarat, Vic. Spark-arrester	13596	9 May	54	30 May.*
Chapman, W., Westminster, Eng. (See J. T. Hunter, No. 13655.)				
Chapman, W., Westminster, Eng. (See J. P. Campbell, No. 13666.)				
Charles, J., and another, Perth, W.A. Machine for playing a game of chance	13766	22 June	..	..
Chew Chong, New Plymouth, N.Z. Butter-brand	13572	26 April	68	11 July.
Christchurch Press Company, Limited, and another, Christchurch, N.Z. Illustration-printing	12821	28 July, 1900	39	18 April.
Chrystall, W., Christchurch, N.Z. Receptacle-cover and pastry-cutter	13626	16 May	54	30 May.*
Clancy, J. C., and another, Sydney, N.S.W. Extracting metals from ores	13354	30 Jan.	44	2 May.
Clapcott, B., Auckland, N.Z. Knife-cleaner	13552	22 April	44	2 May.*
Clarke, J., Orangeville, Canada. Preservation and purification	13172	13 Nov., 1900	54	30 May.
Clarke, W. H., Wanganui, N.Z. Photo.-printing apparatus	13620	13 May	54	30 May.
Cleary, D., Wellington, N.Z. Medicinal plaster	13647	25 May	54	30 May.
Clokey, W. J., and others, Toronto, Canada. (See Massey-Harris Company, Limited, Nos. 13732, 13733, 13735.)				
Cochrane, D. M. B. H., London, Eng. Tea- or coffee-pot	13544	18 April	44	2 May.
Cockerell, R., Dunedin, N.Z. Dredge	13747	19 June	68	11 July.
Collins, M., Gore, N.Z. Bicycle driving-gear	13726	12 June	63	27 June.*
Colour-printing Syndicate (Limited), London, Eng. Colour-printing press. (G. H. Holgate)	13532	11 April	63	27 June.
Colwell, T. M. (See G. G. Turri, No. 13709.)				
Cosmopolitan Power Company. (See G. G. Turri, No. 13709.)				
Coupe, J. H., Dannevirke, N.Z. Means for reversing the rotation of shafting	13765	27 June	68	11 July.*
Coutts, J., and another, Petersham, N.S.W. Shear-legs	13642	23 May	54	30 May.
Cox, H. L., and others, Lower Tooting, Surrey, Eng. (See E. Waters, jun., No. 13686.)				
Craig, A. J., Dannevirke, N.Z. Preventing the "racing" of steam-ship engines	13669	31 May	58	13 June.*
Crook, J., Auckland, N.Z. Tap adjustment for regulating the supply of liquid, &c.	13696	6 June	58	13 June.
Crow, S., and others, Dunedin, N.Z. Tailings elevator	13771	25 June	68	11 July.*
Crowther, J., Invercargill, N.Z. Dust-, draught-, and rain-excluder for doors	13749	20 June	75	25 July.
Cull, L. E., and another, Greymouth, N.Z. Removing tailings, &c.	13756	26 June	..	..
Curtis, C. H., and others, London, Eng. Explosives	13579	3 May	49	16 May.
Cutten, W. H., Dunedin, N.Z. Saving gold	13582	3 May	49	16 May.*
Cutten, W. H., Dunedin, N.Z. Gold-saving gear and tables	13602	7 May	49	16 May.*
Daniels, J., Sydney, N.S.W. Advertising apparatus. (A. Manvers)	13222	3 Dec., 1900	63	27 June.
Davidge, W. T., and another, Onehunga, N.Z. Candle-holder	13755	26 June	..	..
Davies, W. M., Pourerere, Hawke's Bay, N.Z. Nose-bag for horses	13745	20 June	63	27 June.*
Dawson, W., Auckland, N.Z. Cure for cuts, bruises, &c.	13561	24 April	44	2 May.*
Dawson, W., Auckland, N.Z. Cure for diarrhœa	13562	24 April	44	2 May.*
Denly, B., and another, Invercargill, N.Z. Asphalt	13658	23 May	..	..
Devereux, W. R., and another, Christchurch, N.Z. Horse-cover fastening	13575	1 May	49	16 May.*
Diehl, P., Elizabethport, U.S.A. Sewing-machine	13311	11 Jan.	49	16 May.
Dixon, C., Masterton, N.Z., Grip for securing clothes to lines	12685	15 June, 1900	35	4 April.
Dodgson, F. L., Rochester, U.S.A. Railway-signalling	13684	6 June	..	..
Dodgson, F. L., Rochester, U.S.A. Railway-signalling	13761	27 June	..	..
Dolby, F. C., and others, Coventry, Eng. (See E. Waters, jun., No. 13263.)				
Donald, D., Masterton, N.Z. Target	13573	2 May	49	16 May.
Donaldson, R. R., Dunedin, N.Z. Purifying sewage, &c.	13725	13 June	63	27 June.*
Downs, J., New Plymouth, N.Z. Spark-arrester	13469	11 Mar.	44	2 May.
Dudson, W. S., Carterton, N.Z. Pressing wool	12986	14 Sept., 1900	63	27 June.
Dugins, W. F., Kew, Vic. Check-roller for blinds	13522	4 April	39	18 April.*
Duncan, G. S., Toorak, Vic. Reservoir-attachment for pens	13612	15 May	54	30 May.*
Dundonald, Earl of. (See D. M. B. H. Cochrane, No. 13544.)				
Dunningham, C. S., Wellington, N.Z. Brooch-pin	13531	9 April	39	18 April.
Durrant, A. P., and others, Waipiro Bay, N.Z. Window-sash lock	13670	31 May	58	13 June.*
Edmunds, J. T., and another, Mangatoki, N.Z. Grinding- and sharpening-stone	13581	4 May	49	16 May.*
Ehmcke, H. W. C., Birkenhead, S.A. Purse for tickets	13757	26 June	68	11 July.
Elder, W. K., and others, Auckland, N.Z. Potato-digger	13603	7 May	49	16 May.*
Elliott, R. C., and another, Chester, Eng. (See E. Waters, jun., No. 13638.)				
Elliott, R. C., and others, Chester, Eng. (See E. Waters, jun., No. 13263.)				
Eneas, A. G., Boston, U.S.A. (See Solar Motor Company, No. 13486.)				
Engelhorn, L., New York, U.S.A. (See E. Waters, jun., No. 13604.)				
Fanta, F., London, Eng. Manufacture and repair of incandescent electric lamps	13540	16 April	..	..
Ferguson, P., Thames, N.Z. Amalgamating bullion and mercury trap	13754	21 June	68	11 July.
Firth, T., Wellington, N.Z. Rocking-chair	13744	22 June	63	27 June.*

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

Name, Address, and Invention.	Application. No.	Application. Date.	*Gazette.* No.	*Gazette.* Date.
Firth, T., Wellington, N.Z, Wheelbarrow	13758	26 June	68	11 July.*
Fleming, J. A., London, Eng. (See Marconi's Wireless Telegraph Company, Limited, No. 13597.)				
Fletcher, W., and others, Middlesex, Eng. (See E. Waters, jun., No. 13686.)				
Forsyth, J., Dunedin, N.Z. Treating New Zealand flax	12689	15 June, 1900	35	4 April.
Foster, R. G., Heriot, N.Z. Travelling ripples	13520	3 April	39	18 April.*
Fowler, A. R., Melbourne, Vic. Incandescent gas-lighting apparatus (G. H. Burrows)	13729	17 June	68	11 July.*
French, A. G., and others, Thames, N.Z. Classifying kauri-gum	13690	3 June	58	13 June.*
French, Z. T., and another, Boston, U.S.A. Sewing-machine	13688	6 June	..	..
Galschiot, C. L., Copenhagen, Denmark. Cooling granular materials	13746	20 June	..	..
Garnham, R., Wellington, N.Z. Valve for water-cistern	12755	3 July, 1900	39	18 April.
Garside, J., Dunedin, N.Z. Communion-cup holder	13698	7 June	58	13 June.
Gladstone, W. E., Invercargill, N.Z. Rein-holder	13610	14 May	54	30 May.*
Gladstone, W. E., Invercargill, N.Z. Clothes-peg	13722	15 June	63	27 June.*
Gladstone, W. E., Invercargill, N.Z. Fire-escape	13720	14 June	..	..
Goodwin, W. A., Sydenham, N.Z. Binder for securing ceiling-joists to the stiffening pieces	13607	8 May	54	30 May.
Gore, W. J., and others, Dunedin, N.Z. Mechanical counter	13748	20 June	68	11 July.
Grant, R. P., Swannanoa, N.Z. Clearing water-races	12711	21 June, 1900	35	4 April.
Grapes, G. H., Paraparaumu, N.Z. Hoe	13535	12 April	39	18 April.
Grapes, G. H., Paraparaumu, N.Z. Handle for fruit-case	13547	24 April	44	2 May.*
Greig, W. C., Christchurch, N.Z. Curtain-pole	13646	23 May	54	30 May.*
Greig, W. C., and another, Christchurch, N.Z. Pencil-sharpener	13652	29 May	58	13 June.*
Gresham, F. J., and another, Salford, Eng. Injector	13663	30 May	58	13 June.
Gresham, H. E., Manchester, Eng. Brake-actuating mechanism	13543	17 April	44	2 May.
Gresham, J., and another, Salford, Eng. Injector	13663	30 May	58	13 June.
Griffiths, G., Birchfield, N.Z. Clip-chain	13539	15 April	..	..
Grosvenor, C., and others, Auckland, N.Z. Producing gas	13525	4 April	39	18 April.
Grote, L., London, Eng. Manufacturing glass bottles	13601	9 May	49	16 May.
Grundy, T., and another, Auckland, N.Z. Safety clothes-line and peg-holder	13753	22 June	68	11 July.
Gulliver, H., South Yarra, Vic. Railway signalling	13664	30 May	58	13 June.
Gwatkin, J. F. R., The Peaks, Canterbury, N.Z. Seed-sowing apparatus	13772	27 June	68	11 July.*
Hair, J., Oamaru, N.Z. Whipple-tree	12955	3 Sept., 1900	58	13 June.
Haley, J., and another, Akron, U.S.A. (See L. L. B. Mount, No. 13716.)				
Hall, I., Berlin, Germany. (See E. Waters, jun., No. 13264.)				
Hall, T., Heriot, N.Z. Pocket	13681	5 June	58	13 June.*
Hamer, W., Foxton, N.Z. Generating acetylene-gas	13521	4 April	39	18 April.*
Hankins, E. H., and others, Dunedin, N.Z. Mechanical counter	13748	20 June	68	11 July.
Hansen, C. L., and others, Port Awanui, N.Z. Window-sash lock	13670	31 May	58	13 June.*
Hardingham, H. J., Christchurch, N.Z. Milk-aerator	13665	29 May	58	13 June.*
Hargreaves, A. F., and others, Roslin, Scotland. Explosives	13579	3 May	49	16 May.
Hargreaves, F. A., and another, Waipiro Bay, N.Z. Leggings	13767	28 June	..	..
Hawkins, M., and another, Invercargill, N.Z. Asphalt	13658	23 May	..	..
Hayes, A., Salt Lake City, U.S.A. Vaporising and burning hydro-carbon oils	13577	3 May	49	16 May.
Healey, A., Staveley, N.Z. Distribution of mechanical power	13679	3 June	58	13 June.*
Hement, T. C., Christchurch, N.Z. Hot-water and steam-generating apparatus	13702	10 June	58	13 June.*
Henderson, F., and others, Auckland, N.Z. Producing gas	13525	4 April	39	18 April.
Henderson, J., and another, Dunsandel, N.Z. Horse-cover fastening	13575	1 May	49	16 May.*
Hicks, T. H., and another, Fort Wayne, U.S.A. Recovering metals	13595	9 May	..	..
Holaubek, M., Vienna, Austria. Wheel with resilient tire	13869	29 June	68	11 July.
Holgate, G. H., London, Eng. (See Colour Printing Syndicate, Limited, No. 13532.)				
Holliwell, C., and another, Chester, Eng. (See E. Waters, jun., No. 13638.)				
Holliwell, C., and others, Chester, Eng. (See E. Waters, jun., No. 13263.)				
Holmes, J. S., Carlton, Vic. Sales-check for drapers, &c.	13739	22 June	63	27 June.*
Honneus, A., Perth, W.A. (See Honneus Sulphide Company, Limited, No. 13498.)				
Honneus Sulphide Company, Limited, Perth, W.A. Converting refractory into free-milling ore. (A. Honneus)	13498	26 March	54	30 May.
Hosking, A., and another, Palmerston North, N.Z. Collapsible packing-case	12869	13 Aug., 1900	49	16 May.
Hucks, W., and another, London, Eng. Dispensing aerated liquids	13763	27 June	..	..
Hucks, W., jun., and another, London, Eng. Dispensing aerated liquids	13763	27 June	..	..
Hughes, G. W., and others, London, Eng. (See E. Waters, jun., No. 13265.)				
Hughes, W. E., Wellington, N.Z. Rheostat element or resistance box. (T. S. Perkins)	13549	22 April	44	2 May.
Hughes, W. E., Wellington, N.Z. Bottle. (A. C. C. Liardet)	13388	9 Feb.	58	13 June.
Hughes, W, E., Wellington, N.Z. Motor vehicle. (British Motor Traction Company, Limited—W. Maybach)	13461	7 March	58	13 June.
Hunter, J. T., Wellington, N.Z. Insulator. (W. Chapman)	13655	29 May	58	13 June.
Hyde, G., Masterton, N.Z. Jam-, honey-, and preserves-spoon	13629	21 May	58	13 June.*
Jackson, A. B., and others, Tuparoa, N.Z. Window-sash lock	13670	31 May	58	13 June.*

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

Name, Address, and Invention.	Application. No.	Application. Date.	*Gazette.* No.	*Gazette.* Date.
Jennett, J., and another, Christchurch, N.Z. Relieving pressure upon horse when brake is applied	13645	23 May ..	54	30 May.*
Jones, F., Wellington, N.Z. Cycle-tyre cover	13649	27 May ..	58	13 June.
Jones, L. M., and another, Toronto, Canada. (See Massey-Harris Company, Limited, No. 13734.)				
Jones, L. M., and others, Toronto, Canada. (See Massey-Harris Company, Limited, Nos. 13732, 13733, 13735.)				
Jones, R. W., Invercargill, N.Z. Knife-cleaner	13659	30 May ..	58	13 June.*
Jones, W. N., Momahaki, N.Z. Milking-bucket	13671	31 May ..	63	27 June.
Joseph, A. I., Sydney, N.S.W. Up-draught cowl	13617	16 May ..	58	13 June.
Karsten, J. C. M., and another, Dunedin, N.Z. Ventilator ..	13723	12 June ..	63	27 June.*
Kellogg, J. H., Battle Creek, U.S.A. Vegetable food compounds ..	13593	9 May ..	49	16 May.
Kerr, W. C., Dunedin, N.Z. Animal trap	13731	14 June ..	63	27 June.
Kettle, F., Roslyn, N.Z. Road-cleaning machine	13653	29 May ..	58	13 June.*
Kiernan, C. T., and another, Invercargill, N.Z. Rabbit-crate ..	13554	25 April ..	44	2 May.*
Kirkbride, J. L., Auckland, N.Z. Tappet-head	12731	25 June, 1900	39	18 April.
Knocks, A. J., Otaki, N.Z. Medicine for horses and cattle ..	13584	7 May ..	..	..
Knocks, A. J., Otaki, N.Z. Medicine for horses and cattle ..	12776	11 July, 1900 ..	49	16 May.
Knox, A., Sydney, N.S.W. Fibrous plaster	13619	16 May ..	..	..
Land, W. A., Styx, N.Z. Seed- and manure-sower	12822	28 July, 1900 ..	49	16 May.
Langlands, W., Napier, N.Z. Loosening the earth beneath the mouth of suction dredge	18553	26 April ..	44	2 May.
Lawless, P. C., and others, London, Eng. (See E. Waters, jun., No. 13263.)				
Lewis, J., Greytown, N.Z. Toasting device	13591	9 May ..	49	16 May.*
Lewis, W. J., and others, Chester, Eng. (See E. Waters, jun., No. 13265.)				
Liardet, A. C. C., New York, U.S.A. (See W. E. Hughes, No. 13388.)				
Lindsay, A., Wellington, N.Z. Securing boots to feet of wearer ..	13530	9 April ..	39	18 April.
Linkhorn, H. R. and others, Auckland, N.Z. Ointment	13560	25 April ..	44	2 May.*
Linkhorn, S. M., and others, Auckland, N.Z. Ointment	13560	25 April ..	44	2 May.*
Linkhorn, W. E., and others, Auckland, N.Z. Ointment	13560	25 April ..	44	2 May.*
Linotype Company, Limited, London, Eng. (See E. Waters, jun., Nos. 13263, 13264, 13265, 13308, 13638, 13686.)				
Lock, W. H., and another, London, Eng. (See E. Waters, No. 13308.)				
Lock, W. H., and others, London, Eng. (See E. Waters, jun., Nos. 13263, 13265, 13686.)				
Logan, R. (the younger), and others, Auckland, N.Z. Producing gas	13525	4 April ..	39	18 April.
Longdill, C. P. W., and another, Auckland, N.Z. Pipe-and-teat adjustment to bucket for feeding calves	13752	20 June ..	..	..
Longdill, G. F., and another, Auckland, N.Z. Pipe-and-teat adjustment to bucket for feeding calves	13752	20 June ..	..	..
Loop Lock Machine Company, Boston, U.S.A. Boot- and shoe-sewing machine. (E. E. Bean)	13334	28 Jan. ..	58	13 June.
Lord, J., Waipawa, N.Z. Device for securing door-mat	13676	3 June ..	58	13 June.
Lorden, F. L., Wellington, N.Z. Tobacco-cutting machine ..	13693	8 June ..	58	13 June.
Louisson, J., and another, Palmerston North, N.Z. Collapsible packing-case	12869	13 Aug., 1900 ..	49	16 May.
Lyell, A., Clarence, N.S.W. Starting-machine	13622	15 May ..	54	30 May.*
Macdonald, C., Ryal Bush, N.Z. Loading and unloading wagons, &c.	13674	3 June ..	58	13 June.*
Mackenzie, G., Brisbane, Queensland. Cabinet bath	13643	23 May ..	..	..
Macindoe, A. E., Auckland, N.Z. Packing-holder for piston-rods, &c.	13779	29 June ..	71	25 July.
Macky, S. C., and others, Auckland, N.Z. Potato-digger	13603	7 May ..	49	16 May.*
Macky, J. J., Auckland, N.Z. Corn-broom	13736	18 June ..	63	27 June.*
Macpherson, J., Wellington, N.Z. Screen for sorting mineral-wash	13609	13 May ..	49	16 May.
Maiden, H., and another, Pyrmont, N.S.W. Shear-legs	13642	23 May ..	54	30 May.
Manvers, A., Sydney, N.S.W. (See J. Daniels, No. 13222.)				
Marconi's Wireless Telegraph Company, Limited, London, Eng. Wireless telegraphy. (J. A. Fleming)	13597	9 May ..	49	16 May.
Marks, L., New Plymouth, N.Z. Cloth-shrinking apparatus ..	13588	4 May ..	49	16 May.
Marsland, L. W., and another, Sydney, N.S.W. Extracting metals from ores	13354	30 Jan. ..	44	2 May.
Martin, A., Sydney, N.S.W. Generating gas from carbides. (J. L. Schmidt)	13683	6 June ..	63	27 June.
Martin, D. A., Napier, N.Z. Awl for stitching leather	13605	9 May ..	49	16 May.*
Martin, Sam. (See under S.)				
Massey-Harris Company, Limited, Toronto, Canada. Reaping machine. (L. M. Jones, C. McLeod, and W. J. Clokey)	13732	20 June ..	68	11 July.
Massey-Harris Company, Limited, Toronto, Canada. Harvester-binder. (L. M. Jones, C. McLeod, and W. J. Clokey)	13733	20 June ..	68	11 July.
Massey-Harris Company, Limited, Toronto, Canada. Spring-tooth cultivator. (L. M. Jones and C. McLeod)	13734	20 June ..	68	11 July.
Massey-Harris Company, Limited, Toronto, Canada. Mower. (L. M. Jones, C. McLeod, and W. J. Clokey)	13735	20 June ..	68	11 July.
Maybach, W., London, Eng. (See W. E. Hughes, No. 13461.)				
Mayo, B. F., Salem, U.S.A. (See United Shoe-machinery Company, No. 13487.)				
McBride, J. C., Queenstown, N.Z. Totalisator	13682	6 June ..	58	13 June.*
McBride, J. C., Queenstown, N.Z. Totalisator	13624	16 May ..	54	30 May.*
McDermott, W., London, Eng. Screening ores	13600	9 May ..	49	16 May.
McDonald, J., Christchurch, N.Z. Securing bed-clothes in position	13537	13 Apri ..	39	18 April.*

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

Name, Address, and Invention.	Application.		*Gazette.*	
	No.	Date.	No.	Date.
McFeely, R. F., Beverly, U.S.A. (See United Shoe-machinery Company, No. 12790.)				
McGeorge, A. C., and others, Dunedin, N.Z. Tailings elevator ..	13771	25 June ..	68	11 July.*
McGill, C., Goodwood, N.Z. Débris-sifter for gold-sluicing ..	13524	3 April ..	39	18 April.*
McInnes, J., Kaurihohore, N.Z. Clothes-line	13770	29 June ..	71	25 July.
McKay, D., Rangiora, N.Z. Clip- and support-bracket for eaves-spouting	13583	4 May ..	49	16 May.*
McKenzie, H., and another, Waipiro Bay, N.Z. Leggings ..	13767	28 June ..	..	..
McLeod, C., and another, Toronto, Canada. (See Massey-Harris Company, Limited, No. 13734.)				
McLeod, C., and others, Toronto, Canada. (See Massey-Harris Company, Limited, Nos. 13732, 13733, 13735.)				
McMullen, G., and another, Perth, W.A. Machine for playing a game of chance	13766	22 June ..	..	..
McNair, W. P., Dairy Flat, Auckland, N.Z. Wire-strainer ..	13775	29 June ..	68	11 July.*
McNarry, J., and another, Dunedin, N.Z. Animal-trap	13759	24 June ..	68	11 July.*
McPhee, J. H. A., and another, Dunedin, N.Z. Removing tailings, &c.	13756	26 June ..	..	..
Mead, B. E., Auckland, N.Z. Music-leaf turner	13628	18 May ..	54	30 May.*
Meikle, W., Mercury Bay, N.Z. Combined stirrup and spur ..	13568	26 April ..	49	16 May.
Meiklejohn, T. B., Dunedin, N.Z. Fiftering feed-water	13616	16 May ..	54	30 May.*
Menzies, T., Dunedin, N.Z. Liquid for cleaning painted surfaces ..	13589	3 May ..	49	16 May.*
Metcalfe, D. J., and others, London, Eng. Explosive	13579	3 May ..	49	16 May.
Meyer, W. C., and another, Boston, U.S.A. Sewing-machine ..	13688	6 June ..	..	..
Middleton, D. M., Christchurch, N.Z. Dredge-tumbler	13750	24 June ..	68	11 July.
Millar, R., Dunedin, N.Z. Motor	13527	3 April ..	44	2 May.
Millar, R., Dunedin, N.Z. Using action of waves as motive-power	13694	8 June ..	58	13 June.*
Miller, C., Nelson, N.Z. Multiplex camera-slide	13700	7 June ..	63	27 June.
Moore, W., and another, Invercargill, N.Z. Rabbit-crate	13554	25 April ..	44	2 May.*
Morran, J. M., and others, Auckland, N.Z. Classifying kauri-gum ..	13690	3 June ..	58	13 June.*
Morrison, A., Dunedin, N.Z. Gold-dredge screen	13675	4 June ..	..	..
Morse, E. F., Trumansburg, U.S.A. (See E. Phillips, No. 13283.)				
Mouchel, G. L., London, Eng. Metal and concrete structures ..	13614	15 May ..	54	30 May.
Mount, L. L. B., Auckland, N.Z. Forming hollow glass articles. (J. Haley and H. H. Bridgwater)	13716	10 June ..	63	27 June.
Murray, A. C., Cromwell, N.Z. Multicycle	13586	8 May ..	49	16 May.*
Murray, A. C., Cromwell, N.Z. Copyholder for type-writer ..	13587	8 May ..	49	16 May.*
Murray, R. L. H., Auckland, N.Z. Increasing illuminating power of gas	12663	6 June, 1900..	39	18 April.
Mund, H. H., and others, Denver, U.S.A. Tamping-plug	13662	30 May ..	58	13 June.
Nairn, G., Dargaville, N.Z. Wire-rope thimble	13764	27 June ..	68	11 July.
Naumann, F. W., Wellington, N.Z. Bottle-cleaning appliance ..	13559	26 April ..	44	2 May.*
Newman, G. F., Peel Forest, Canterbury, N.Z. Waterproof composition for garments	13546	17 April ..	44	2 May.
Nicholls, R., Auckland, N.Z. Fire-escape ladder..	13699	7 June ..	58	13 June.*
Nicholls, W., London, Eng. Apparatus for supplying aerated liquids	13740	22 June ..	68	11 July.
Oakley, H., and another, Christchurch, N.Z. Watercloset flushing-cistern	13570	27 April ..	49	16 May.
Oatway, G. H., London, Eng. (See E. Waters, jun., No. 13711.)				
Olson, M. N., Mangatainoka, N.Z. Liquid-weigher and register ..	13541	16 April ..	44	2 May.*
O'Neil, J., Christchurch, N.Z. Lubricator for gas-engine cylinder ..	13678	3 June ..	58	13 June.*
Page, W., Timaru, N.Z. Wire-strainer	13528	9 April ..	39	18 April.*
Page, W. C., Eltham, N.Z. Axle-box fastening for road vehicle ..	12824	31 July, 1900 ..	49	16 May.
Painter, W., Ashburton, N.Z. Attaching skeith, &c., to plough ..	13737	20 June ..	63	27 June.*
Park, A. J., Dunedin, N.Z. Pen-wiper	13727	13 June ..	63	27 June.*
Park, A. J., Dunedin, N.Z. Saving gold, &c. (H. Park)	13633	20 May ..	54	30 May.*
Park, H., Sydney, N.S.W. (See A. J. Park, No. 13633.)				
Parmiter, P. J., Ansty, Wilts, Eng. Turnip-thinning machine ..	13551	22 April ..	44	2 May.
Pasco, A., and another, Invercargill, N.Z. Rabbit-trap fastener ..	12756	3 July, 1900 ..	39	18 April.
Paton, E. J., and another, Sydney, N.S.W. Ship-scrubbing machine	13564	27 May ..	54	30 May.
Patten, J., New York, U.S.A. (See E. Waters, jun., No. 13604.)				
Pearcy, A. C., and others, London, Eng. Explosives	13579	3 May ..	49	16 May.
Pearson, W. H., and another, Dunedin, N.Z. Window-sash grip ..	13526	3 April ..	49	16 May.
Peart, C. G., and another, Nelson, N.Z. Silencing exhaust of gas- and oil-engines	13743	22 June ..	68	11 July.
Pendry, W. A., Detroit, U.S.A. Button-making machine	13713	13 June ..	..	..
Percival, G., Narromine, N.S.W. Cycle chain-link	13721	14 June ..	63	27 June.
Perkins, T. S., Idlewood, U.S.A. (See W. E. Hughes, No. 13549.)				
Phillips, E., Melbourne, Victoria. Gauging high temperature. (E. F. Morse)	13283	2 Jan. ..	54	30 May.
Pierson, T. W., Petone, N.Z. Branding instrument	13730	17 June ..	68	11 July.*
Pietsch, G. A. H., Kiata East, Victoria. Propelling bicycles ..	13715	10 June ..	63	27 June.
Pihl, D., Ohoka, N.Z. Branding meat-bags	13621	15 May ..	58	13 June.*
Pike, A. S., Wellington, N.Z. Butter printing and weighing machine	13677	5 June ..	58	13 June.*
Pocock, A. C., and another, Dannevirke, N.Z. Acetylene-gas generator	13592	9 May ..	54	30 May.
Pocock, A. C., and another, Dannevirke, N.Z. Acetylene-gas generator	13760	27 June ..	71	25 July.*
Pointon, S., Christchurch, N.Z. Hydraulic ram	13574	1 May ..	49	16 May.*
Porter, T. I., and another, Chicago, U.S.A. Coin-counting machine	13534	12 April ..	39	18 April.
Potter, A., Auckland, N.Z. Liquid and powder for destroying codlin-moth	13689	3 June ..	58	13 June.*

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

Name, Address, and Invention.	Application.		*Gazette.*	
	No.	Date.	No.	Date.
Potter, R., and another, Auckland, N.Z. Safety clothes-line and peg-holder	13753	22 June ..	68	11 July.
Powter, N. B., New York, U.S.A. Extracting oil and grease ..	13590	9 May ..	..	..
Prangley, L. J., Melbourne, Vic. (See F. G. Wilson, No. 13701.)				
Price, J. V., and others, Christchurch, N.Z. Illustration-printing..	12821	28 July, 1900 ..	39	18 April.
Pullman, C. L., Washington, U.S.A. Ventilation	13636	23 May ..	54	30 May.
Ramsay, T., Invercargill, N.Z. Combined rule, measure, and square	13555	25 April ..	44	2 May.*
Rawnsley, E. G., Christchurch, N.Z. Sowing agricultural seeds ..	13680	6 June ..	58	13 June.*
Reardon, P. H., San Francisco, U.S.A. Engine for rock-drill ..	13640	23 May ..	54	30 May.
Reardon, P. H., San Francisco, U.S.A. Rock-drill attachment ..	13641	23 May ..	54	30 May.
Roberts, C. P., and others, Dunedin, N.Z. Mechanical counter ..	13748	20 June ..	68	11 July.
Robertshaw, F. E., Auckland, N.Z. Exhaust-fan for stamper-box..	13538	12 April ..	44	2 May.*
Rosser, A. G., Fremantle, W.A. Railway spike- and wedge-lock ..	13660	30 May ..	58	13 June.*
Rosser, A. G., Fremantle, W.A. Lock-nut	13661	30 May ..	71	25 July.
Sanderson, G. S., and others, Denver, U.S A. Tamping-plug ..	13662	30 May ..	58	13 June.
Sanderson, W. S., and others, Denver, U.S.A. Tamping-plug ..	13663	30 May ..	58	13 June.
San Martin, P. V., and others, Buenos Ayres, Argentine Republic. Tanning process	13708	12 June ..	63	27 June.
Schmidt, J. L., Sydney, N.S.W. (See A. Martin, No. 13683.)				
Schwartz, C. E., and another, Sydney, N.S.W. Fruit- and vegetable-cutter	13634	23 May ..	..	..
Schwartz, C. E., and another, Sydney, N.S.W. Tin-opener ..	13635	23 May ..	..	..
Seager, C. J., Elsternwick, Vic. Cavalry great-coat	13557	26 April ..	44	2 May.*
Shadgett, E., Wellington, N.Z. Polishing preparation	13705	10 June ..	63	27 June.
Shaw, H., Wellington, N.Z. Knife-cleaner	13116	30 Oct., 1900 ..	58	13 June.
Singer, I., Petone, N.Z. Water-heater	13567	29 April ..	49	16 May.*
Singer, I., Petone, N.Z. Depilatory	13707	11 June ..	63	27 June.*
Skillicorn, A., Gisborne, N.Z. Wool-press	12323	17 Jan., 1900 ..	35	4 April.
Smart, G., and another, Stratford, N.Z. Rim for milk-can lid ..	13111	29 Oct., 1900 ..	54	30 May.
Smethurst, E., Christchurch, N.Z. Fence dropper	13563	25 April ..	44	2 May.*
Smith, C. B., Dunedin, N.Z. Fire-escape	13728	17 June ..	63	27 June.*
Smith, C. L. W., and others, London, Eng. Explosive	13579	3 May ..	49	16 May.
Smith, W. R., St. Kilda, Vic. Enabling particulars of train-service to be readily ascertained	13613	15 May ..	54	30 May.*
Solar Motor Company, Boston, U.S.A. Solar generator. (A. G. Eneas)	13486	22 March ..	58	13 June.
Soldani, G., and others, Buenos Ayres, Argentine Republic. Tanning process	13708	12 June ..	63	27 June.
Spaulding, L. D., and others, Denver, U.S.A. Tamping-plug ..	13662	30 May ..	58	13 June.
Speight, J., Kirwee, N.Z. Marine governor	13724	17 June ..	63	27 June.*
Stark, J., Alexandra South, N.Z. Gold-dredge screen thrust-block..	13548	19 April ..	44	2 May.*
Stedman, S. R., and another, Dunedin, N.Z. Animal trap ..	13759	24 June ..	68	11 July.*
Steele, W. L., and another, Dallas, U.S.A. Separating conductive from non-conductive substances	13594	9 May ..	49	16 May.
Stephens, T. M., Wellington, N.Z. Spark-catcher	13615	16 May ..	54	30 May.*
Stevens, R., Linwood, Canterbury, N.Z. Cooling milk	13692	5 June ..	58	13 June.*
Stewart, J. K., Chicago, U.S.A. Shearing tool	13403	14 Feb. ..	58	13 June.
Sturtevant, G., and others, Auckland, N.Z. Classifying kauri-gum	13690	3 June ..	58	13 June.*
Sudre, C. G., and another, Paris, France. Treatment of oxides of metals	13456	7 March ..	63	27 June.
Sutton, H. M., and another, Dallas, U.S.A. Separating conductive from non-conductive substances	13594	9 May ..	49	16 May.
Talbot, B., Leeds, Eng. Manufacture of iron and steel	13599	9 May ..	49	16 May.
Taylor, A., Waikari, N.Z. Boot- and shoe-insole..	13691	8 June ..	58	13 June.*
Taylor, G., and another, Sydney, N.S.W. Fruit- and vegetable-cutter	13634	23 May ..	..	..
Taylor, G., and another, Sydney, N.S.W. Tin-opener	13635	23 May ..	..	..
Taylor, G. A., Sydney, N.S.W. Plaster	13578	3 May ..	..	..
Taylor, J., Newcastle, N S.W. Bicycle	13762	27 June ..	68	11 July.
Taylor, J. M., and another, Christchurch, N.Z. Watercloset flushing-cistern	13570	27 April ..	49	16 May.
Taylor, W., and another, Invercargill, N.Z. Rabbit-trap fastener ..	12756	3 July, 1900 ..	39	18 April.
Thierry, C. V., and another, Paris, France. Treatment of oxides of metals	13456	7 March ..	63	27 June.
Thomas, J. W., Linwood, N.Z. Well-sinking apparatus	13706	10 June ..	63	27 June.
Thompson, F., Christchurch, N.Z. Horse-cover	13545	16 April ..	44	2 May.*
Thompson, J. T., Waikaia, N.Z. Apparatus for suspending garments	13710	13 June ..	63	27 June.*
Thompson, W. P., Liverpool, Eng. Lighting and heating apparatus	13657	29 May ..	58	13 June.
Thomson, C. A., Kearney, U.S.A. (See W. K. and G. S. Baker, No. 13630.)				
Thurlow, W., Kaiapoi, N.Z. Joining backs of boot- and shoe-uppers	12965	8 Sept., 1900	39	18 April.
Toms, E., and another, Wellington, N.Z. Acetylene-gas generator..	13592	9 May ..	54	30 May.
Toms, E., and another, Wellington, N.Z. Acetylene-gas generator..	13760	27 June ..	71	25 July.*
Trant, L. B., and others, Buenos Ayres, Argentine Republic. Tanning process	13708	12 June ..	63	27 June.
Trent, J., Christchurch, N.Z. Plush for saving gold	13673	3 June ..	58	13 June.*
Tripe, J. D., Wanganui, N.Z. Securing window-sashes	12764	2 July, 1900 ..	39	18 April.
Trotter, C. A., Opunake, N.Z. Ascertaining distances	13768	29 June ..	68	11 July.*
Tuck, G. E. T., Auckland, N.Z. Hoisting-gear	12874	16 Aug., 1900..	54	30 May.*
Turri, G. G., Melbourne, Vic. Condensing steam and cooling liquids. (Cosmopolitan Power Company—T. M. Colwell)	13709	12 June ..	71	25 July.
Tyree, A., and another, Christchurch, N.Z. Stiffening backs of boot-uppers	13571	30 April ..	49	16 May.*

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

Name, Address, and Invention.	Application.		*Gazette.*	
	No.	Date.	No.	Date.
Ulrich, C. A., Wellington, N.Z. Gold-dredge	13542	17 April	44	2 May.
United Shoe Machinery Company, Paterson, U.S.A. Pulling-over machine. (R. F. McFeely)	12790	17 July, 1900	35	4 April.
United Shoe Machinery Company, Paterson, U.S.A. Boot and shoe driving-machine. (B. F. Mayo)	13487	22 March	49	16 May.
Universal Machine Company, New Jersey, U.S.A. Box-making and filling machine. (W. H. Butler)	13644	23 May	..	..
Vesey, R. H., and others, Denver, U.S.A. Tamping-plug	13662	30 May	58	13 June.
Vorbach, J., Renwicktown, N.Z. Potato-digger	13648	25 May	54	30 May.*
Walker, J., and another, Killinchy, Canterbury, N.Z. Turnip- and root-slicer	13738	19 June	63	27 June.*
Walker, R., Dunedin, N.Z. Milk-aerator	13631	22 May	54	30 May.*
Ward, C. H., Melbourne, Vic. Treating ores	12901	22 Aug., 1900	58	13 June.
Waters, E., jun., Melbourne, Vic. Manufacture of ice. (L. Engelhorn, J. Patten)	13604	10 May	49	16 May.
Waters, E., jun., Melbourne, Vic. Matrices of linotype machine. (Linotype Company, Limited—W. H. Lock, M. Barr, W. J. Lewis, and G. W. Hughes)	13265	20 Dec., 1900	54	30 May.
Waters, E., jun., Melbourne, Vic. Linotype machine. (Linotype Company, Limited—C. Holliwell and R. C. Elliott)	13638	23 May	54	30 May.
Waters, E., jun., Melbourne, Vic. Linotpye machine. (Linotype Company, Limited—W. H. Lock, P. C. Lawless, F. C. Dolby, R. E. Elliott, and C. Holliwell)	13263	20 Dec., 1900	58	13 June.
Waters, E., jun., Melbourne, Vic. Linotype mould. (Linotype Company, Limited—I. Hall)	13264	20 Dec., 1900	58	13 June.
Waters, E., Melbourne, Vic. Linotype machine. (Linotype Company, Limited—W. H. Lock and F. J. Wich)	13308	20 Dec., 1900	58	13 June.
Waters, E., jun., Melbourne, Vic. Linotype machine. (Linotype Company, Limited—W. H. Lock, W. Fletcher, and H. L. Cox)	13686	6 June	58	13 June.
Waters, E., jun., Melbourne, Vic. Fire-alarm. (G. H. Oatway)	13711	13 June	63	27 June.
Waters, W., Auckland, N.Z. Appliance for milking cows	13651	25 May	54	30 May.*
Waters, W., and others, Auckland, N.Z. Potato-digger	13603	7 May	49	16 May.*
Watkins, J. E., Tinwald, N.Z. Crane and friction-hoist attachment for traction-engine	12888	18 Aug., 1900	54	30 May.
Watling, A., and another, London, Eng. Extracting gold from sea-water	13656	29 May	58	13 June.
Watson, E. B., Upper Norwood, Surrey, Eng. Dress-fastening device	13550	22 April	44	2 May.
Watt, C. L., and others, Dunedin, N.Z. Tailings-elevator	13771	25 June	68	11 July.*
Webb, C. M., and others, Denver, U.S.A. Tamping-plug	13662	30 May	58	13 June.
Webster, F. L., Hamilton, N.Z. Gate	13529	9 April	54	30 May.
Webster, G. E., Sydney, N.S.W. Lighting lamps	13714	13 June	63	27 June.*
Wedekind, R., and another, Louisville, U.S.A. Fountain-spittoon	13339	28 Jan.	58	13 June.
Westinghouse, G., Pittsburg, U.S.A. (See J. P. Campbell, No. 13667.)				
Westinghouse, G., Pittsburg, U.S.A. Car-coupling	13741	22 June	68	11 July.
Westinghouse, G., Pittsburg, U.S.A. Production and utilisation of gas	13742	22 June	68	11 July.
Whishaw, W. M., Palmerston North, N.Z. Saucepan	13431	27 Feb.	58	13 June.
Whyte, W., Wellington, N.Z. Suspending window-curtains	13536	13 April	39	18 April.*
Wich, F. J., and another, Chester, Eng. (See E. Waters, No. 13308.)				
Wilkinson, H., and another, Auckland, N.Z. Converting nightsoil into manure	13672	29 May	63	27 June.
Wilkinson, W., and another, Auckland, N.Z. Converting nightsoil into manure	13672	29 May	63	27 June.
Wildbore, C. E., Pohangina, N.Z. Fire alarm	13627	20 May	58	13 June.*
Wilson, F. G., Melbourne, Vic. Sash-lift and window-guard. (L. J. Prangley)	13701	10 June	58	13 June.*
Wimsett, H., Wellington, N.Z. Ointment for horses' feet	13632	22 May	58	13 June.
Woodroffe, T. E., Opotiki, N.Z. Incubator	13697	6 June	58	13 June.*
Woods, W. A. A., and another, Sydney, N.S.W. Ship-scrubbing machine	13564	27 May	54	30 May.
Woolley, H. S., Paris, U.S.A. Furnace	13695	8 June	58	13 June.
Wright, W. C., and another, Dunedin, N.Z. Window-sash grip	13526	3 April	49	16 May.
Ziele, C. W., and another, Christchurch, N.Z. Stiffening backs of boot-uppers	13571	30 April	49	16 May.*

Alphabetical List of Inventions for Letters Patent for Quarter ending 30th June, 1901.

THIS list includes also applications lodged prior to but gazetted during the quarter, and complete specifications following provisional specifications, accepted 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	W. Hamer	13521	4 April	39	18 April.*
Acetylene-generator	E. Toms and A. C. Pocock	13760	27 June	71	25 July.
Acetylene-generator	E. Toms and A. C. Pocock	13592	9 May	54	30 May.
Advertisement, Linotype	E. Waters, jun.	13638	23 May	54	30 May.
Advertising-apparatus	J. Daniels	13222	3 Dec., 1900	63	27 June.
Aerated-liquids, Dispensing	W. and W. Hucks	13763	27 June	..	..
Aerated-liquids, Dispensing	W. Nicholls	13740	22 June	68	11 July.
Aerator. (See Milk-aerator.)					
Air- or water-motor	R. Millar	13527	3 April	44	2 May.
Alarm. (See Fire-alarm.)					
Altitude-calculator for rifle	C. A. Trotter	13768	29 June	68	11 July.*
Amalgamating bullion- and mercury-trap	P. Ferguson	13754	21 June	68	11 July.*
Animal-trap	W. C. Kerr	13731	14 June	63	27 June.
Apron. (See Elevator apron.)					
Arrester. (See Spark-arrester, Spark-catcher.)					
Arsenic, Recovering, from ores	T. H. Hicks and S. R. Alden	13595	9 May	..	..
Asphalt	M. Hawkins and B. Denly	13658	23 May	..	..
Awl	D. A. Martin	13605	9 May	49	16 May.*
Axe-head and handle	R. H. Carter	13611	14 May	54	30 May.*
Axle-box fastening	W. C. Page	12824	31 July, 1900	49	16 May.
Axle-nut and oil-cap	A. C. Atkin	13650	25 May	54	30 May.*
Bag. (See Meat-bag and Nose-bag.)					
Bar. (See Grate-bar.)					
Bath. (See Cabinet-bath.)					
Bedclothes, Securing, in position	J. McDonald	13537	13 April	39	18 April.*
Belt-holder, Waist-, Skirt-, and	F. E. Benda	13533	11 April	39	18 April.*
Bicycle	J. Taylor	13762	27 June	68	11 July.
Bicycle	J. Baker	13712	13 June	63	27 June.
Bicycle driving-gear	M. Collins	13726	12 June	63	27 June.*
Bicycles, Propulsion of	G. A. H. Pietsch	13715	10 June	63	27 June.
Binder for securing ceiling-joists to hangers	W. A. Goodwin	13607	8 May	54	30 May.
Binder. (See Harvester-binder.)					
Bleaching by means of chlorine	G. J. Atkins	13598	9 May	49	16 May.
Blind, Check-roller for	W. F. Dugins	13522	4 April	39	18 April.*
Block. (See Thrust-block.)					
Blood, sewage, &c., Purifying	R. R. Donaldson	13725	13 June	63	27 June.*
Blouses, Fastening collars and cuffs to	J. Carter	13639	23 May	..	..
Boats, ships, &c., Preserving bottoms of	T. C. Bayldon	13553	24 April	44	2 May.
Boot and-shoe driving-machine	United Shoe Machinery Company	13487	22 March	49	16 May.
Boot-lace cutter	W. Barker	13668	29 May	58	13 June.
Boot or shoe sewing-machine	Loop-Lock Machinery Company	13334	28 Jan.	58	13 June.
Boot pulling-over machine	United Shoe Machinery Company	12790	17 July, 1900	35	4 April.
Boot-securing device	A. Lindsay	13530	9 April	39	4 April.
Boot-uppers, Joining backs of	W. Thurlow	12965	8 Sept., 1900	39	18 April.
Boot-uppers, Stiffening backs of	A. Tyree and C. W. Ziele	13571	30 April	49	16 May.*
Boots, Insole for	A. Taylor	13691	8 June	58	13 June.*
Bottle	W. E. Hughes	13388	9 Feb.	58	13 June.
Bottle-cleaner	F. W. Naumann	13559	26 April	44	2 May.*
Bottle-making machine	L. Grote	13601	9 May	49	16 May.
Box. (See Axle-box, Resistance-box.)					
Box-making and filling machine	Universal Machine Company	13644	23 May	..	..
Bracket. (See Spouting-bracket.)					
Brake. (See Railway-brake.)					
Brake, Relieving pressure on horse on application of vehicle-	J. Jennett and A. Allen	13645	23 May	54	30 May.*
Branding	T. W. Pierson	13730	17 June	68	11 July.*
Branding meat-bags	D. Pihl	13621	15 May	58	13 June.*
Brooch-pin	C. S. Dunningham	13531	9 April	39	18 April.
Broom	J. J. Macky	13736	18 June	63	27 June.*
Bucket. (See Dredge-bucket, Milking-bucket.)					
Buckets, Attaching handles to	A. R. Ayson	13654	29 May	58	13 June.
Buckets, Teat-attachment to, for feeding calves	C. P. W. and G. F. Longdill	13752	20 June	..	..
Building-plaster	A. Knox	13619	16 May	..	..
Building-plaster	G. A. Taylor	13578	3 May	..	..
Bullion- and mercury-trap	P. Ferguson	13754	21 June	68	11 July.*
Butter-packer and printer	C. Chong	13572	26 April	68	11 July.
Butter printer and weigher	A. S. Pike	13677	5 June	58	13 June.*
Butter weigher and printer	A. S. Pike	13677	5 June	58	13 June.*
Button-making machine	W. A. Pendry	13713	13 June	..	..
Cabinet-bath	G. Mackenzie	13643	23 May	..	..
Calves, Teat-attachment to buckets for feeding	C. P. W. and G. F. Longdill	13752	20 June	..	..

ALPHABETICAL LIST OF INVENTIONS—*continued.*

Invention.	Name.	Application. No.	Application. Date.	*Gazette.* No.	*Gazette.* Date.
Camera-slide	C. Millar	13700	7 June	63	27 June.
Can. (See Milk-can.)					
Candle-extinguisher	T. H. Calvert	13519	3 April	..	..
Candle-holder	A. H. Brownley and W. T. Davidge	13755	26 June	..	..
Cap. (See Oil-cap.)					
Car-coupling	G. Westinghouse	13741	22 June	68	11 July.
Case. (See Crate, Fruit-case, Packing-case.)					
Cattle and horse medicine	A. J. Knocks	12776	11 July, 1900	49	16 May.
Cattle and horse medicine	A. J. Knocks	13584	7 May	..	..
Ceiling-joists to hangers, Binder for securing	W. A. Goodwin	13607	8 May	54	30 May.
Chain. (See Clip-chain, Cycle-chain.)					
Chair. (See Rocking-chair.)					
Check. (See Sales-check.)					
Check-roller for blind	W. F. Dugins	13522	4 April	39	18 April.*
Chloridizing ores	C. H. Ward	12901	22 Aug.	58	13 June.
Chlorine, Manufacture of	G. J. Atkins	13598	9 May	49	16 May.
Cistern for water-closets	J. M. Taylor and H. Oakley	13570	27 April	49	16 May.
Cistern valve	R. Garnham	12755	3 July, 1900	39	18 April.
Clamping tool, Wire-	H. F. Band	13618	16 May	54	30 May.
Cleaner. (See Bottle-cleaner, Knife-cleaner, Lamp-glass cleaner, Road-cleaner, Water-race cleaner.)					
Cleaning and polishing preparation	E. Shadgett	13705	10 June	63	27 June.
Cleaning painted, &c., surfaces, Liquid for	T. Menzies	13589	3 May	49	16 May.*
Clip. (See Spouting-clip.)					
Clip-chain	G. Griffiths	13539	15 April	..	..
Clipper	J. K. Stewart	13403	14 Feb.	58	13 June.
Clothes-line	J. McInnes	13770	29 June	71	25 July.
Clothes-line and peg	T. Grundy and R. Potter	13753	22 June	68	11 July.
Clothes-line grip	C. Dixon	12685	15 June, 1900	35	4 April.
Clothes-peg	W. E. Gladstone	13722	15 June	63	27 June.*
Clothes-peg	T. Grundy and R. Potter	13753	22 June	68	11 July.
Cloth-shrinker	L. Marks	13588	4 May	49	16 May.
Coat. (See Great-coat.)					
Coffee-pot	D. M. B. H. Cochrane	13544	18 April	44	2 May.
Coin-counting machine	H. W. Abbott and T. I. Porter	13534	12 April	39	18 April.
Collars, &c., Fastening, to blouses	J. Carter	13639	23 May	..	..
Colour-printing press	Colour-printing Syndicate (Limited)	13532	11 April	63	27 June.
Communion-cup holder	J. Garside	13688	7 June	58	13 June.
Concrete and metal structures	G. L. Mouchel	13614	15 May	54	30 May.
Condenser. (See Steam-condenser.)					
Conductive from non-conductive substances, Separating	H. M. Sutton and W. L. Steele	13594	9 May	49	16 May.
Cooler. (See Milk-cooler.)					
Cooling fluids	G. G. Turri	13709	12 June	71	25 July.
Cooling granular material	C. L. Galsohiot	13746	20 June	..	..
Copy-holder for typewriting-machine	A. C. Murray	13587	8 May	49	16 May.*
Coulter. (See Plough.)					
Counting-machine	H. H. Hankins, W. J. Gore, and C. P. Roberts	13748	20 June	68	11 July.
Counting-machine, Coin	H. W. Abbott and T. I. Porter	13534	12 April	39	18 April.
Coupling. (See Car-coupling.)					
Cover. (See Cycle-tire cover, Horse-cover, Receptacle-cover.)					
Cowl	A. I. Joseph	13617	16 May	58	13 June.
Crane and friction-hoist for traction-engine	J. E. Watkins	12888	18 Aug., 1900	54	30 May.
Crate. (See Fish-crate, Poultry-crate, Rabbit-crate.)					
Cream. (See Milk.)					
Cream-separator, Ventilating cream in	A. H. Borgstrom	13718	14 June	63	27 June.
Crushing. (See Quartz-crushing.)					
Cuffs, &c., Fastening, to blouses	J. Carter	13639	23 May	..	..
Cup. (See Communion-cup.)					
Cultivator	Massey-Harris Company (Limited)	13734	20 June	68	11 July.
Cultivator, Potato digger and	F. O. Andrews	13623	16 May	54	30 May.*
Curtain. (See Window-curtain.)					
Curtain-pole	W. C. Greig	13646	23 May	54	30 May.*
Cutter. (See Boot-lace cutter, Fruit-cutter, Pastry-cutter, Tobacco-cutter, Vegetable-cutter.)					
Cycle. (See Multicycle.)					
Cycle-chain link	G. Percival	13721	14 June	63	27 June.
Cycle-saddle	T. Boyd	13523	2 April	39	18 April.
Cycle-tire cover	F. Jones	13649	27 May	58	13 June.
Débris-sifter for use in gold-sluicing	C. McGill	13524	3 April	39	18 April.*
Depilatory compound	I. Singer	13707	11 June	63	27 June.*
Diarrhœa cure	W. Dawson	13562	24 April	44	2 May.*
Digger. (See Potato-digger.)					
Disinfecting by chlorine	G. J. Atkins	13598	9 May	49	16 May.
Dispensing aerated liquids	W. Nicholls	13740	22 June	68	11 July.
Dispensing aerated liquids	W. and W. Hucks	13763	27 June	..	..
Distance-calculator for rifle	C. A. Trotter	12768	29 June	68	11 July.*

ALPHABETICAL LIST OF INVENTIONS—*continued.*

Invention.	Name.	Application. No.	Application. Date.	*Gazette.* No.	*Gazette.* Date.
Door, Dust-, draught-, and rain-excluder for	J. Crowther	13749	20 June	71	25 July.
Door-jamb	J. Bremner	13625	16 May	54	30 May.*
Door-mat holder	J. Lord	13676	3 June	58	13 June.[1]
Doors, Hanging	J. Bremner	13625	16 May	54	30 May.*
Dough-moulding machine	W. K. and G. S. Baker	13630	22 May	54	30 May.
Draught-appliances, Railway	J. P. Campbell	13667	30 May	58	13 June.
Draught-excluder for door	J. Crowther	13749	20 June	71	25 July.
Dredge-bucket	H. Birch	13566	24 April	44	2 May.*
Dredge, Gold	C. A. Ulrich	13542	17 April	44	2 May.
Dredge, Gold-saving gear and tables for	W. H. Cutten	13602	7 May	49	16 May.*
Dredge, Loosening earth beneath suction	W. Langlands	13558	26 April	44	2 May.
Dredge, Prospecting	R. Cockerell	13747	19 June	68	11 July.
Dredge-screen	A. Morrison	13675	4 June	..	..
Dredge-screen thrust-block	J. Stark	13548	19 April	44	2 May.*
Dredging-machinery tumbler	D. M. Middleton	13750	24 June	68	11 July.
Dress-fastener	E. B. Watson	13550	22 April	44	2 May.
Drill. (See Rock-drill.)					
Driving-machine. (See Boot-and-shoe driving-machine.)					
Dropper. (See Fence-dropper.)					
Dust-, draught-, and rain-excluder for door	J. Crowther	13749	20 June	71	25 July.
Dust, Fan for removing, in quartz-crushing	F. E. Robertshaw	13538	12 April	44	2 May.*
Dysentery cure	W. Dawson	13562	24 April	44	2 May.*
Electric lamp	F. Fanta	13540	16 April	..	..
Electric-railway track construction	J. P. Campbell	13666	30 May	58	13 June.
Elevator. (See Tailing-elevator.)					
Elevator apron for harvester-binder	Massey-Harris Company (Limited)	13733	20 June	68	11 July.
Enamelled surfaces, Liquid for cleaning	T. Menzies	13589	3 May	49	16 May.*
Engine. (See Gas-engine, Oil-engine, Rock-drill engine, Rotary engine, Traction-engine.)					
Exhaust-fan for use in quartz-crushing	F. E. Robertshaw	13538	12 April	44	2 May.*
Exhaust for gas- or oil-engine	W. W. Browning and C. G. Peart	13743	22 June	68	11 July.
Explosive	C. H. Curtis, C. L. W. Smith, D. J. Metcalfe, A. C. Pearcy, and A. F. Hargreaves	13579	3 May	49	16 May.
Extinguisher. (See Candle-extinguisher.)					
Fan. (See Exhaust-fan.)					
Fastener. (See Axle-box fastener, Dress-fastener, Grip, Horse-cover fastening, Rabbit-trap fastener, Window-sash securing device.)					
Feed-water filter	T. B. Meiklejohn	13616	16 May	54	30 May.*
Fence-dropper	E. Smethurst	13563	25 April	44	2 May.*
Fence-swinger	F. W. Bursill	13703	10 June	58	13 June.*
Fibre treating and spinning machine	J. Forsyth	12689	15 June, 1900	35	4 April.
Filter, Feed-water	T. B. Meiklejohn	13616	16 May	54	30 May.*
Filter for factory drainings, &c.	J. M. Bennett	13569	1 May	49	16 May.
Fire-alarm	E. Waters, jun.	13711	13 June	63	27 June.
Fire-alarm	C. E. Wildbore	13627	20 May	58	13 June.*
Fire-escape	R. Caldwell	13751	24 June	68	11 July.*
Fire-escape	C. B. Smith	13728	17 June	63	27 June.*
Fire-escape	W. E. Gladstone	13720	14 June	..	..
Fire-escape ladder	R. Nicholls	13699	7 June	58	13 June.*
Fish-crate	W. Moore and C. T. Kiernan	13554	25 April	44	2 May.*
Flax. (See Fibre.)					
Flushing-cistern	J. M. Taylor and H. Oakley	13570	27 April	49	16 May.
Flushing-valve	R. Garnham	12755	3 July, 1900	39	18 April.
Food compound, Vegetable	J. H. Kellogg	13593	9 May	49	16 May.
Fruit- and vegetable-cutter	C. E. Schwartz and G. Taylor	13634	23 May	..	..
Fruit-case handle	G. H. Grapes	13547	24 April	44	2 May.*
Furnace	H. S. Woolley	13695	8 June	58	13 June.
Furnace. (See also Ore-furnace.)					
Game	G. McMullen and J. Charles	13766	22 June	..	..
Garments, Suspending, for drying, &c.	J. T. Thompson	13710	13 June	63	27 June.*
Garments, Waterproofing composition for	G. F. Newman	13546	17 April	44	2 May.
Gas-engine cylinder, Lubricator for	J. O'Neil	13678	3 June	58	13 June.*
Gas-engine, Exhaust for	W. W. Browning and C. G. Peart	13743	22 June	68	11 July.
Gas-generator	C. Grosvenor, F. Henderson, and R. Logan, jun.	13525	4 April	39	18 April.
Gas-generator	A. Martin	13683	6 June	63	27 June.
Gas-generator	G. Westinghouse	13742	22 June	68	11 July.
Gas, Increasing illumination of	R. L. H. Murray	12663	6 June, 1900	39	18 April.
Gas-lighting apparatus	A. R. Fowler	13729	17 June	68	11 July.*
Gasolene-gas generator	C. Grosvenor, F. Henderson, and R. Logan, jun.	13525	4 April	39	18 April.
Gate	F. L. Webster	13529	9 April	54	30 May.
Gauging high temperatures	E. Phillips	13283	2 Jan.	54	30 May.
Generator. (See Acetylene-generator, Gas-generator, Gasolene-gas generator, Hydro-carbon-gas generator, Solar-generator, Steam-generator.)					
Glass articles, Apparatus for making	L. L. B. Mount	13716	10 June	63	27 June.

ALPHABETICAL LIST OF INVENTIONS—*continued.*

Invention.	Name.	Application. No.	Application. Date.	*Gazette.* No.	*Gazette.* Date.
Gold-dredge	C. A. Ulrich	13542	17 April	44	2 May.
Gold, Extracting, from seawater	H. C. Bull and A. Watling	13656	29 May	58	13 June.
Gold-saving	W. H. Cutten	13582	3 May	49	16 May.*
Gold-saving apparatus	A. J. Park	13633	20 May	54	30 May.*
Gold-saving gear and tables	W. H. Cutten	13602	7 May	49	16 May.*
Gold-saving, Plush for	J. Trent	13673	3 June	58	13 June.*
Gold-sluicing, *Débris* sifter for use in	C. McGill	13524	3 April	39	18 April.*
Gold. (See also Metals, Ores.)					
Governor. (See Marine governor.)					
Granular materials, Cooling	C. L. Galschiot	13746	20 June	..	..
Grate-bar	J. C. Bowring	13717	14 June	63	27 June.
Grease and oil, Extracting	N. B. Powter	13590	9 May	..	..
Great-coat	C. J. Seager	13557	26 April	44	2 May.*
Grinding- and sharpening-stone	J. T. Edmonds and F. J. H. Andrews	13581	4 May	49	16 May.*
Grip. (See Clothes-line grip, Window-grip.)					
Guard. (See Window-guard.)					
Gum. (See Kauri-gum.)					
Handle. (See Axe-head and handle, Fruit-case handle.)					
Handles, Attaching, to buckets	A. R. Ayson	13654	29 May	58	13 June.
Harvester-binder, Elevator apron for	Massey-Harris Company, Limited	13733	20 June	68	11 July.
Head. (See Axe-head, Tappet-head.)					
Heater. (See Water-heater.)					
Heating-apparatus	W. P. Thompson	13657	29 May	58	13 June.*
Hoe	G. H. Grapes	13535	12 April	39	18 April.
Hoe and thinner, Turnip	J. J. Parmiter	13551	22 April	44	2 May.
Hoist	R. Chambers	13585	8 May	..	..
Hoist for traction-engine, Crane and	J. E. Watkins	12888	18 Aug., 1900	54	30 May.
Hoisting-gear	G. E. T. Tuck	12874	16 Aug., 1900	54	30 May.
Holder. (See Belt-holder, Candle-holder, Communion-cup holder, Copy-holder, Door-mat holder, Packing-holder, Rein-holder, Skirt-holder.)					
Horse and cattle medicine	A. J. Knocks	12776	11 July, 1900	49	16 May.
Horse and cattle medicine	A. J. Knocks	13584	7 May	..	..
Horse-cover	F. Thompson	13545	16 April	44	2 May.*
Horse-cover fastening	J. Henderson and W. R. Devereux	13575	1 May	49	16 May.*
Horses' feet, Curing sand-cracks in	H. Wimsett	13632	22 May	58	13 June.
Horses, Nose-bag for	W. M. Davies	13745	20 June	63	27 June.*
Hull. (See Ship's hull.)					
Hydraulic-ram	S. Pointon	13574	1 May	49	16 May.*
Hydro-carbon-gas generator	C. Grosvenor, F. Henderson, and R. Logan, jun.	13525	4 April	39	18 April.
Hydro-carbon oils, Vapourising and burning	A. Hayes	13577	3 May	49	16 May.
Ice-making process and apparatus	E. Waters, jun.	13604	10 May	49	16 May.
Illuminating power of gas, Increasing	R. L. H. Murray	12663	6 June, 1900	39	18 April.
Illustration-printing	Christchurch Press Company (Limited) and J. V. Price	12821	28 July, 1900	39	18 April.
Incandescent-gas lighting apparatus	A. R. Fowler	13729	17 June	68	11 July.*
Incubator	T. E. Woodroffe	13697	6 June	58	13 June.*
Injector	J. and F. J. Gresham	13663	30 May	58	13 June.
Insecticide	A. Potter	13689	3 June	58	13 June.*
Insecticide	W. Bromiley	12891	17 Aug., 1900	54	30 May.
Insecticide container	W. Bromiley	12892	17 Aug., 1900	58	13 June.
Insole for boots, &c.	A. Taylor	13691	8 June	58	13 June.*
Insulator	J. T. Hunter	13655	29 May	58	13 June.
Iron and steel, Manufacturing	B. Talbot	13599	9 May	49	16 May.
Jamb. (See Door-jamb.)					
Kauri-gum nuts and chips, Separating	G. Sturtevant, J. M. Morran, and A. G. French	13690	3 June	58	13 June.*
Knife-cleaner	B. Clapcott	13552	22 April	44	2 May.*
Knife-cleaner	H. Shaw	13116	30 Oct.	58	13 June.
Knife-cleaner	R. W. Jones	13659	30 May	58	13 June.*
Lace. (See Boot-lace.)					
Ladder. (See Fire-escape ladder.)					
Lamp	G. E. Webster	13714	13 June	63	27 June.*
Lamp. (See also Electric lamp.)					
Lamp-glass cleaner	F. W. Naumann	13559	26 April	44	2 May.*
Leaf. (See Music-leaf.)					
Legging	F. A. Hargreaves and H. McKenzie	13767	28 June	..	..
Lid. (See Milk-can lid.)					
Lift. (See Sash-lift.)					
Lighting-apparatus, Gas	A. R. Fowler	13729	17 June	68	11 July.*
Lighting-apparatus	W. P. Thompson	13657	29 May	58	13 June.*
Line. (See Clothes-line.)					
Link for cycle-chain	G. Percival	13721	14 June	63	27 June.
Linotype	E. Waters, jun.	13638	23 May	54	30 May.

ALPHABETICAL LIST OF INVENTIONS—*continued.*

Invention.	Name.	Application. No.	Application. Date.	*Gazette.* No.	*Gazette.* Date.
Linotype machine	E. Waters, jun.	13263	20 Dec., 1900	58	13 June.
Linotype machine	E. Waters, jun.	13638	23 May	54	30 May.
Linotype machine	E. Waters	13308	10 Jan.	58	13 June.
Linotype machine	E. Waters, jun.	13686	6 June	58	13 June.
Linotype matrix	E. Waters, jun.	13265	20 Dec., 1900	54	30 May.
Linotype mould	E. Waters, jun.	13264	20 Dec., 1900	58	13 June.
Liquids, Dispensing aerated	W. Nicholls	13740	22 June	68	11 July.
Liquids, Dispensing aerated	W. and W. Hucks	13763	27 June		
Loading and unloading wagons, &c.	C. Macdonald	13674	3 June	58	13 June.*
Lock. (See Wedge-lock, Window-sash lock.)					
Lock-nut	A. G. Rosser	13661	30 May		
Lubricator for gas-engine cylinder	J. O'Neil	13678	3 June	58	13 June.*
Magnetic separator	H. M. Sutton and W. L. Steele	13594	9 May	49	16 May.
Manure- and seed-sower	W. A. Land	12822	28 July, 1900	49	16 May.
Manure, Converting nightsoil into	H. and W. Wilkinson	13672	29 May	63	27 June.
Marine governor	J. Speight	13724	17 June	63	27 June.*
Marine insect-repelling composition	T. C. Bayldon	13553	24 April	44	2 May.
Mat. (See Door-mat.)					
Matrix, Linotype	E. Waters, jun.	13265	20 Dec., 1900	54	30 May.
Measure, rule, and square combined	T. Ramsay	13555	25 April	44	2 May.*
Measuring apparatus, Milk-	C. F. A. Cambridge	13606	7 May	49	16 May.
Meat-bags, Branding	D. Pihl	13621	15 May	58	13 June.*
Medicinal plaster	D. Cleary	13647	25 May	54	30 May.
Medicine. (See Horse and cattle medicine, Ointment, Remedy.)					
Mercury- and bullion-trap	P. Ferguson	13754	21 June	68	11 July.*
Metal and concrete structures	G. L. Mouchel	13614	15 May	54	30 May.
Metals. (See also Gold, Ores.)					
Metals, Extracting, from ores	J. C. Clancy and L. W. Marsland	13354	30 Jan.	44	2 May.
Metals, Recovering, from ores	T. H. Hicks and S. R. Alden	13595	9 May	..	..
Metals, Saving	A. J. Park	13633	20 May	54	30 May.*
Metals, Treating oxides of	C. G. Sudre and C. V. Thierry	13456	7 Mar.	63	27 June.
Metals, Treating, with chlorine	G. J. Atkins	13598	9 May	49	16 May.
Milk-aerator	H. J. Hardingham	13665	29 May	58	13 June.*
Milk-aerator	R. Walker	13631	22 May	54	30 May.*
Milk-can	O. Andrews	13608	13 May	49	16 May.
Milk-can lid, Rim for	G. Smart and R. W. Ashcroft	13111	29 Oct., 1900	54	30 May.
Milk-cooler	H. J. Hardingham	13665	29 May	58	13 June.*
Milk-cooler	R. Stevens	13692	5 June	58	13 June.*
Milk-measuring apparatus	C. F. A. Cambridge	13606	7 May	49	16 May.
Milk, Ventilating, in closed vessel	A. H. Borgstrom	13719	14 June	63	27 June.
Milk weighing and registering machine	M. N. Olson	13541	16 April	44	2 May.*
Milk. (See also Cream.)					
Milking-appliance	W. Waters	13651	25 May	54	30 May.*
Milking-bucket	W. N. Jones	13671	31 May	63	27 June.
Motive-power, Obtaining, from waves	R. Millar	13694	8 June	58	13 June.*
Motor	W. E. Hughes	13461	7 Mar.	58	13 June.
Motor. (See also Air-motor, Water-motor, Wave-motor.)					
Motor-vehicle	W. E. Hughes	13461	7 Mar.	58	13 June.*
Mould. (See Linotype mould.)					
Moulding-machine. (See Dough-moulding machine.)					
Mower	Massey-Harris Company, Limited	13735	20 June	68	11 July.
Multicycle	A. C. Murray	13586	8 May	49	16 May.*
Music-leaf turner	B. E. Mead	13628	18 May	54	30 May.*
Nightsoil into manure, Converting	H. and W. Wilkinson	13672	29 May	63	27 June.
Nose-bag for horses	W. M. Davies	13745	20 June	63	27 June.*
Nut. (See Axle-nut, Lock-nut.)					
Oil. (See Hydro-carbon oil.)					
Oil-cap and axle-nut	A. C. Atkin	13650	25 May	54	30 May.*
Oil-engine, Exhaust for	W. W. Browning and C. G. Peart	13743	22 June	68	11 July.
Oil, Extracting	N. B. Powter	13590	9 May	..	..
Ointment	S. M., W. E., and H. R. Linkhorn	13560	25 April	44	2 May.*
Ointment	W. Dawson	13561	24 April	44	2 May.*
Opener. (See Tin-opener.)					
Ore-furnace	C. H. Ward	12901	22 Aug., 1900	58	13 June.
Ore, Screening	W. McDermott	13600	9 May	49	16 May.
Ore, Treating	Honneus Sulphide Company, Limited	13498	26 Mar.	54	30 May.
Ores. (See also Gold, Metals.)					
Ores, Chloridizing	C. H. Ward	12901	22 Aug., 1900	58	13 June.
Ores, Extracting metals from	J. C. Clancy and L. W. Marsland	13354	30 Jan.	44	2 May.
Ores, Recovering metals and arsenic from	T. H. Hicks and S. R. Alden	13595	9 May	..	25 July.
Ores, Treating, with chlorine	G. J. Atkins	13598	9 May	49	16 May.
Oxides of metals, Treating	C. G. Sudre and C. V. Thierry	13456	7 Mar.	63	27 June.
Oxychloride salts, Production of	G. J. Atkins	13598	9 May	49	16 May.
Packing-case	J. Louisson and A. Hosking	12869	13 Aug., 1900	49	16 May.
Packing-holder for shafts, &c.	A. E. Macindoe	13779	29 June	71	25 July.
Painted surfaces, Liquid for cleaning	T. Menzies	13589	3 May	49	16 May.
Pan. (See Saucepan.)					
Pastry-cutter, Receptacle-cover and	W. Chrystall	13626	16 May	54	30 May.*

ALPHABETICAL LIST OF INVENTIONS—*continued.*

Invention.	Name.	Application. No.	Application. Date.	*Gazette.* No.	*Gazette.* Date.
Peg. (See Clothes-peg.)					
Pencil-sharpener	W. C. Greig and A. C. Andrews	13652	29 May	58	13 June.*
Pens, Reservoir attachment for	G. S. Duncan	13612	15 May	54	30 May.*
Pen-wiper	A. J. Park	13727	13 June	63	27 June.*
Photo-printing apparatus	W. H. Clarke	13620	13 May	54	30 May.
Pile-driving apparatus	J. W. Thomas	13706	10 June	63	27 June.
Pin. (See Brooch-pin.)					
Plaster. (See Building-plaster, Medicinal plaster.)					
Plough	G. Barney	13565	10 May	49	16 May.*
Ploughs, Attaching skeiths, coulters, &c., to	W. Painter	13737	20 June	63	27 June.*
Plug. (See Tamping-plug.)					
Plush for gold-saving	J. Trent	13673	3 June	58	13 June.*
Pocket	T. Hall	13681	5 June	58	13 June.*
Pole. (See Curtain-pole.)					
Polishing and cleaning preparation	E. Shadgett	13705	10 June	63	27 June.
Pot. (See Coffee-pot, Tea-pot.)					
Potato-digger	J. Vorbach	13648	25 May	54	30 May.*
Potato-digger	W. Waters, W. K. Elder, and S. C. Macky	13603	7 May	49	16 May.*
Potato digger and cultivator	F. O. Andrews	13623	16 May	54	30 May.*
Poultry-crate	W. Moore and C. T. Kiernan	13554	25 April	44	2 May.*
Power. (See also Motive-power.)					
Power-apparatus	W. P. Thompson	13657	29 May	58	13 June.*
Power, Distributing mechanical	W. Healey	13679	3 June	58	13 June.*
Preservation and purification	J. Clarke	13172	13 Nov., 1900	54	20 May.
Preserving bottoms of boats, ships, &c.	T. C. Bayldon	13553	24 April	44	2 May.
Press. (See Colour-printing press, Wool-press.)					
Printer. (See Butter-printer.)					
Printing. (See Colour-printing, Illustration-printing, Photo-printing.)					
Prospecting-dredge	R. Cockerell	13747	19 June	68	11 July.
Pulling-over machine, Boot	United Shoe-machinery Company	12790	17 July, 1900	35	4 April.
Purification and preservation	J. Clarke	13172	13 Nov., 1900	54	30 May.
Purifying sewage, blood, &c.	R. R. Donaldson	13725	13 June	63	27 June.*
Purse. (See Ticket-purse.)					
Quartz-crushing, Exhaust-fan for use in	F. E. Robertshaw	13538	12 April	44	2 May.*
Rabbit-crate	W. Moore and C. T. Kiernan	13554	25 April	44	2 May.*
Rabbit-trap	R. S. Stedman and J. McNarry	13759	24 June	68	11 July.*
Rabbit-trap fastener	W. Taylor and A. Pascoe	12756	3 July, 1900	39	18 April.
Rabbits, Packing	G. E. Andrew	13556	26 April	44	2 May.*
Races, Ripples for preventing fouling of	R. G. Foster	13520	3 April	39	18 April.*
"Racing" of steamship-engines, Preventing	A. J. Craig	13669	31 May	58	13 June.*
Railway-brake	H. E. Gresham	13543	17 April	44	2 May.
Railway draught-appliances	J. P. Campbell	13667	30 May	58	13 June.
Railway signalling and communicating apparatus	H. Gulliver	13664	30 May	58	13 June.
Railway-signalling, Pneumatic	F. L. Dodgson	13684	6 June	..	..
Railway-signalling, Pneumatic	F. L. Dodgson	13761	27 June	..	..
Railway-spike and wedge-lock	A. G. Rosser	13660	30 May	58	13 June.*
Railway. (See also Electric railway.)					
Ram. (See Hydraulic ram.)					
Range-finder for rifle	C. A. Trotter	13768	29 June	68	11 July.*
Rat-trap	R. S. Stedman and J. McNarry	13759	24 June	68	11 July.*
Reaping-machine	Massey-Harris Company, Limited	13732	20 June	68	11 July.
Receptacle-cover and pastry-cutter	W. Chrystall	13626	16 May	54	30 May.*
Reel for lines and tapes	H. J. Bettany	13637	23 May	58	13 June.
Registering machine, Milk weighing and	M. N. Olson	13541	16 April	44	2 May.*
Rein-holder	W. E. Gladstone	13610	14 May	54	30 May.*
Remedy for diarrhœa or dysentery	W. Dawson	13562	24 April	44	2 May.*
Remedy. (See also Medicine, Ointment.)					
Reservoir-attachment for pens	G. S. Duncan	13612	15 May	54	30 May.*
Resistance-box	W. E. Hughes	13549	22 April	44	2 May.
Rheostat element	W. E. Hughes	13549	22 April	44	2 May.
Rifle, Range-finder for	C. A. Trotter	13768	29 June	68	11 July.*
Rim for milk-can lid	G. Smart and R. W. Ashcroft	13111	29 Oct., 1900	54	30 May.
Ripples for preventing fouling of races	R. G. Foster	13520	3 April	39	18 April.*
Road-cleaner	F. Kettle	13653	29 May	58	13 June.*
Rock-drill attachment	P. H. Reardon	13641	23 May	54	30 May.
Rock-drill engine	P. H. Reardon	13640	23 May	54	30 May.
Rocking-chair	T. Firth	13744	22 June	63	27 June.*
Roller. (See Check-roller.)					
Ropes, Thimble for	G. Nairn	13764	27 June	68	11 July.
Rotary engine	W. Alsop	13685	6 June	58	13 June.*
Rule, measure, and square combined	T. Ramsay	13555	25 April	44	2 May.*
Saddle. (See Cycle-saddle.)					
Sales-check	J. S. Holmes	13739	2 June	63	27 June.*
Salts. (See Oxychloride salts.)					
Sand-cracks in horses' feet, Curing	H. Wimsett	13632	22 May	58	13 June.
Sash. (See Window-sash.)					
Sash-lift and window-guard	F. G. Wilson	13701	10 June	58	13 June.*

ALPHABETICAL LIST OF INVENTIONS—*continued.*

Invention.	Name.	Application. No.	Application. Date.	*Gazette.* No.	*Gazette.* Date.
Saucepan	W. M. Whishaw	13431	27 Feb.	58	13 June.
Saving gold. (See Gold.)					
Screen. (See Dredge-screen, Tailings-screen.)					
Screening ore	W. McDermott	13600	9 May	49	16 May.
Scrubbing machine. (See Ship-scrubbing machine.)					
Sea-water, Extracting gold from	H. C. Bull and A. Watling	13656	29 May	58	13 June.
Seed- and manure-sower	W. A. Land	12822	28 July, 1900	49	16 May.
Seed-sower	J. F. R. Gwatkin	13772	27 June	68	11 July.*
Seed-sower	E. G. Rawnsley	13680	6 June	58	13 June.*
Separating conductive from non-conductive substances	H. M. Sutton and W. L. Steele	13594	9 May	49	16 May.
Separator. (See Cream-separator, Magnetic separator.)					
Sewage, blood, &c., Purifying	R. R. Donaldson	13725	13 June	63	27 June.*
Sewing-machine	P. Diehl	13311	11 Jan.	49	16 May.
Sewing-machine	Z. T. French and W. C. Meyer	13688	6 June	..	..
Sewing machine, Boot and shoe	Loop-Lock Machine Company	13334	28 Jan.	58	13 June.
Shafting, Reversing rotation of	J. H. Coupe	13765	27 June	68	11 July.*
Sharpener. (See Pencil-sharpener.)					
Sharpening-stone, Grinding- and	J. T. Edmunds and F. J. H. Andrews	13581	4 May	49	16 May.*
Shear-legs	H. Maiden and J. Coutts	13642	23 May	54	30 May.
Shearing-machine	J. C. Barnes	13704	10 June	58	13 June.
Shearing tool	J. K. Stewart	13403	14 Feb.	58	13 June.
Sheep-shearing. (See Shearing.)					
Ship's hull, Machine for cleaning	E. J. Paton and W. A. A. Woods	13564	27 May	54	30 May.
Ship-scrubbing machine for cleaning hulls	E. J. Paton and W. A. A. Woods	13564	27 May	54	30 May.
Ships, boats, &c., Preserving bottoms of	T. C. Bayldon	13553	24 April	44	2 May.
Shoe. (See Boot and shoe.)					
Shoots, Ripples for preventing fouling of	R. G. Foster	13520	3 April	39	18 April.
Shrinker. (See Cloth-shrinker.)					
Sifter. (See *Débris*-sifter.)					
Signalling. (See Railway-signalling.)					
Skeith. (See Plough.)					
Skirt- and belt-holder, Waist	F. E. Benda	13533	11 April	39	18 April.
Slicer. (See Turnip-slicer.)					
Slide. (See Camera-slide.)					
Sluicing. (See Gold-sluicing.)					
Solar generator	Solar Motor Company	13486	22 Mar.	58	13 June.
Sower. (See Seed- and manure-sower.)					
Spark-arrester	H. W. Channing	13596	9 May	54	30 May.*
Spark-arrester	J. Downs	13469	11 Mar.	44	2 May.
Spark-catcher	T. M. Stephens	13615	16 May	54	30 May.*
Spike. (See Railway-spike.)					
Spinning fibre, Treating and	J. Forsyth	12689	15 June, 1900	35	4 April.
Spittoon	J. C. Blair and R. Wedekind	13339	28 June	58	13 June.*
Spoon	G. Hyde	13629	21 May	58	13 June.*
Spouting-clip and bracket	D. McKay	13583	4 May	49	16 May.*
Spur and stirrup combined	W. Meikle	13568	26 April	49	16 May.
Sprayer	F. G. Benson	13576	3 May	..	..
Square, measure, and rule combined	T. Ramsay	13555	25 April	44	2 May.*
Starting-machine	A. Lyell	13622	15 May	54	30 May.*
Steam-condenser	G. G. Turri	13709	12 June	71	25 July.
Steam-generator	T. C. Hement	13702	10 June	58	13 June.*
Steamship-engines, Preventing "racing" of	A. J. Craig	13669	31 May	58	13 June.*
Steel and iron, Manufacturing	B. Talbot	13599	9 May	49	16 May.
Stirrup and spur combined	W. Meikle	13568	26 April	49	16 May.
Stone. (See Grinding- and sharpening-stone.)					
Strainer. (See Wire-strainer.)					
Sulphide ores, Treatment of	J. C. Clancy and L. W. Marsland	13354	30 Jan.	44	2 May.
Swinger for fences	F. W. Bursill	13703	10 June	58	13 June.*
Tables, Gold-saving	W. H. Cutten	13602	7 May	49	16 May.*
Tailings, Apparatus for removing	J. H. A. McPhee and L. E. Cull	13756	26 June	..	..
Tailings elevator	C. L. Watts, A. C. McGeorge, and S. Crow	13771	25 June	68	11 July.*
Tailings screen	J. Macpherson	13609	13 May	49	16 May.
Tamping-plug	R. H. Vesey, K. M. Bennett, L. D. Spaulding, H. H. Mund, C. M. Webb, G. S. Sanderson, and W. S. Sanderson	13662	30 May	58	13 June.
Tanning process	P. V. San Martin, G. Soldani, and L. B. Trant	13708	12 June	63	27 June.
Tap-adjusting device	J. Crook	13696	6 June	58	13 June.
Tappet-head	J. L. Kirkbride	12731	25 June, 1900	39	18 April.
Target	D. Donald	13573	2 May	49	16 May.
Tea-pot	D. M. B. H. Cochrane	13544	18 April	44	2 May.
Teat-attachment to bucket for feeding calves	C. P. W. and G. F. Longdill	13752	20 June	..	..
Telegraphy, Wireless	Marconi's Wireless Telegraph Company (Limited)	13597	9 May	49	1 ay.
Temperatures, Gauging high	E. Phillips	13283	2 Jan.	54	30 May.

ALPHABETICAL LIST OF INVENTIONS—*continued.*

Invention.	Name.	Application. No.	Application. Date.	*Gazette.* No.	*Gazette.* Date.
Teredo-worm repelling composition	T. C. Bayldon	13553	24 April	44	2 May.
Thimble for ropes	G. Nairn	13764	27 June	68	11 July.
Thinner, Turnip hoe and	P. J. Parmiter	13551	22 April	44	2 May.
Thrust-block for gold-dredge screen	J. Stark	13548	19 April	44	2 May.*
Ticket-purse	H. W. C. Ehmcke	13757	26 June	68	11 July.
Time-table apparatus, Train-service	W. R. Smith	13613	15 May	54	30 May.*
Tin-opener	C. E. Schwartz and G. Taylor	13735	23 May	..	..
Tire. (See Cycle-tire.)					
Toasting-device	J. Lewis	13591	9 May	49	16 May.*
Tobacco-cutter	F. L. Lorden	13693	8 June	58	13 June.
Tool. (See Wire-clamping tool.)					
Totalisator	J. C. McBride	13682	6 June	58	13 June.*
Totalisator	J. C. McBride	13624	16 May	54	30 May.*
Track. (See Electric-railway track.)					
Traction-engine, Crane and friction hoist for	J. E. Watkins	12888	18 Aug., 1900	54	30 May.
Train-service time table, Apparatus for	W. R. Smith	13613	15 May	54	30 May.*
Trap. (See Animal-trap, Mercury- and bullion-trap, Rabbit-trap, Rat-trap.)					
Tricycles, Propulsion of	G. A. H. Pietsch	13715	10 June	63	27 June.
Trollies, Loading and unloading	C. Macdonald	13674	3 June	58	13 June.*
Tumbler for dredging-machinery	D. M. Middleton	13750	24 June	68	11 July.
Turnip- and root-slicer	J. Walker and R. F. Campbell	13738	19 June	63	27 June.*
Turnip hoe and thinner	P. J. Parimter	14551	22 April	44	2 May.
Typewriting-machine, Copyholder for	A. C. Murray	13587	8 May	49	16 May.*
Upper. (See Boot-upper.)					
Valve for water-cistern	R. Garnham	12755	3 July, 1900	39	18 April.
Vaporising and burning hydro-carbon oils	A. Hayes	13577	3 May	49	16 May.
Vegetable-cutter	C. E. Schwartz and G. Taylor	13634	23 May	..	..
Vegetable food compound	J. H. Kellogg	13593	9 May	49	16 May.
Vehicle, Apparatus for relieving pressure on horse when brake is applied to	J. Jennett and A. Allen	13645	23 May	54	30 May.*
Vehicle. (See also Motor-vehicle.)					
Ventilation	C. L. Pullman	13636	23 May	54	30 May.
Ventilator	J. C. Karsten and E. A. Cameron	13723	12 June	63	27 June.*
Ventilator	R. M. Baddeley	13580	1 May	49	16 May.
Ventilating cream in cream-separator	A. H. Borgstrom	13718	14 June	63	27 June.
Ventilating milk or cream in closed vessel	A. H. Borgstrom	13719	14 June	63	27 June.
Wagons, Loading and unloading	C. Macdonald	13674	3 June	58	13 June.*
Waist skirt- and belt-holder	F. E. Benda	13533	11 April	39	18 April.*
Water-closet cistern	J. M. Taylor and H. Oakley	13570	27 April	49	16 May.
Water-heater	I. Singer	13567	29 April	49	16 May.*
Water-heater	T. C. Hement	13702	10 June	58	13 June.*
Water-motor	R. Millar	13527	3 April	44	2 May.
Water-race cleaner	R. P. Grant	12711	21 June, 1900	35	4 April.
Waterproofing composition for garments	G. F. Newman	13546	17 April	44	2 May.
Wave-motor	R. Millar	13694	8 June	58	13 June.*
Wedge-lock for railway-spike	A. G. Rosser	13660	30 May	58	13 June.*
Weighing and registering machine, Milk	M. N. Olson	13541	16 April	44	2 May.*
Weighing machine, Butter printing and	A. S. Pike	13677	5 June	58	13 June.*
Well-sinking apparatus	J. W. Thomas	13706	10 June	63	27 June.
Wheel	M. Holaubek	13769	29 June	68	11 July.
Wheelbarrow	T. Firth	13758	26 June	68	11 July.*
Whippletree	J. Hair	12955	3 Sept., 1900	58	13 June.
Window-curtain suspender	W. Whyte	13536	13 April	39	18 April.*
Window-grip	W. C. Wright and W. H. Pearson	13526	3 April	49	16 May.
Window-guard and sash-lift	F. G. Wilson	13701	10 June	58	13 June.*
Window-sash lock	A. B. Jackson, C. L. Hansen, and A. P. Durrant	13670	31 May	58	13 June.*
Window-sash securing device	J. D. Tripe	12764	2 July, 1900	39	18 April.
Wire-clamping tool	H. F. Band	13618	16 May	54	30 May.
Wireless telegraphy	Marconi's Wireless Telegraph Company (Limited)	13597	9 May	49	16 May.
Wire-strainer	W. Page	13528	9 April	39	18 April.*
Wire-strainer	W. P. McNair	13775	29 June	68	11 July.*
Wool-press	W. S. Dudson	12986	14 Sept., 1900	63	27 June.
Wool-press	A. Skillicorn	12323	17 Jan., 1900	35	4 April.

List of Applicants for Registration of Designs.

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

Name and Address.	No. of Class.	Design. No.	Design. Date.	*Gazette.* No.	*Gazette.* Date.
Billens, A., Christchurch, N.Z.	10	131	31 May	58	13 June.

List of Applicants for Registration of Trade Marks.

ALPHABETICAL list of applicants for registration of trade marks for quarter ending 30th June, 1901 (including also applications lodged prior to but gazetted during such quarter).

Name.	Address.	Class.	Application.		*Gazette.*	
			No.	Date.	No.	Date.
Adriance, Platt, and Co.	Poughkeepsie, U.S.A. ..	7	3047	22 May, 1900	35	4 April.
Allcock Manufacturing Company ..	Birkenhead, Eng., and Sing Sing, U.S.A.	3	3396	29 May ..	..	..
Allcock Manufacturing Company ..	Birkenhead, Eng., and Sing Sing, U.S.A.	3	3379	9 May ..	..	..
American Bicycle Company	Jersey City	22	3364	22 April ..	44	2 May.
American Grass-twine Company ..	St. Paul, U.S.A. ..	7	3390	25 May ..	63	27 June.
Anderson and Son, D.	Wellington	42	3366	26 April ..	49	16 May.
Anderson and Son, D.	Wellington	42	3420	17 June ..	68	11 July.
Badham, C. J.	Christchurch	50	3353	4 April ..	44	2 May.
Ballantyne and Co., J.	London, Christchurch, and Timaru	38	3422	20 June ..	..	..
Barnett, W.	Christchurch	3	3392	25 May ..	54	30 May.
Beaman and Deas	Manchester	6	3370	3 May ..	..	..
Berry, H., H. W., and H. P. M. ..	Melbourne	42	3407	5 June ..	..	..
Berry, Henry. (See H., H. W., and H. P. M. Berry.)						
Bing, Harris, and Co.	Invercargill, Dunedin, Christchurch, Wellington	38	3393	27 May ..	54	30 May.
Birt and Co., Limited	Sydney	4, 37, 42	3439-40-1	27 June ..	68	11 July.
Blogg Brothers. (See J. K. and K. H. Blogg.)						
Blogg, J. K. and K. H	Melbourne	42	3409	6 June ..	63	27 June.
Bovine, Limited	London	42	2970	1 Mar., 1900	58	13 June.
Brooks and Co., H.	London, Sydney, Melbourne, Perth, Wellington	15	3373	3 May ..	49	16 May.
Canada Cycle and Motor Company, Limited	Wellington	22	3411	7 June ..	..	..
Chipman, H. S.	Sydney	42	3354	4 April ..	39	18 April.
Cleary, D.	Wellington	3	3391	25 May ..	54	30 May.
Colegrove Company	Wellington	42	3433	24 June ..	68	11 July.
Colegrove Tea Company, The ..	Wellington	42	3355	10 April ..	39	18 April.
Commichau and Co. (See C. H. Commichau.)						
Commichau, C. (See C. H. Commichau.)						
Commichau, C. H.	Silkeborg, Denmark ..	38	3387	22 May ..	..	..
Consumers' Cordage Company, Limited	Montreal	50	3357	16 April ..	..	..
Curtis's and Harvey, Limited ..	London	20	3401	30 May ..	63	27 June.
Curtis's and Harvey, Limited ..	London	20	3402	30 May ..	58	13 June.
Dewar and Sons, Limited, J. ..	Perth and London ..	43	3356	11 April ..	..	..
Dutton, R. A.	Dunedin	3	3413	10 June ..	63	27 June.
Edgar, W.	Dannevirke	42	3418	14 June ..	63	27 June.
Elgin National Watch Company ..	Chicago	10	3423	22 June ..	..	..
Falconer, F., and another	Auckland	43	3421	17 June ..	63	27 June.
Fulton, C.	Bohally, Blenheim ..	4	3348	1 April ..	39	18 April.
Gibson and Son, Limited, W. ..	Nottingham	38	3410	7 June ..	58	13 June.
Gregory, S. E., and another	Sydney	48	3442	28 June ..	..	..
Griffin, J. H. and G. R.	Nelson	42	3389	25 May ..	..	..
Guest, H. W.	Melbourne	3, 48	3394, 5	28 May ..	54	30 May.
Havana Commercial Company ..	Havana and New York ..	45	3282, 7	30 Jan. ..	54	30 May.
Helidon Spa Water Company, Limited	Helidon and Brisbane ..	44	3381	15 May ..	54	30 May.
Hollis Cycle Agency	Wellington	22	3368	1 May ..	..	..
Hondai Lanka Tea Company. (See G. T. K. McKenzie.)						
Hoytema, Van. (See under V.)						
Huntley and Palmers, Limited ..	Reading	42	3397-8	30 May ..	63	27 June.
Jackson, W.	Auckland	42	3435	26 June ..	..	..
Jones and Co., H.	Hobart	42	3382	15 May ..	..	..
Kempthorne, Prosser, and Co.'s N.Z. Drug Company, Limited	Christchurch	3	3384	21 May ..	54	30 May.
Keystone Watch-case Company ..	Philadelphia	10	3425, 7, 9, 3430-1	22 June ..	63	27 June.
Keystone Watch-case Company ..	Philadelphia	10	3426, 8, 3432	22 June ..	..	..
Lambert and Butler, Limited ..	London	45	3362-3	22 April ..	..	..
Linkhorn, S. M., W. E., and H. R. ..	Auckland	3	3378	8 May ..	58	13 June.
Little and Co., A. E.	Lynn, U.S.A.	38	3408	6 June ..	..	..

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

Name.	Address.	Class.	Application.		*Gazette.*	
			No.	Date.	No.	Date.
Maddox and Co.'s Metropolitan Chemical and Manufacturing Company, Limited	Wellington	42	3383	15 May ..	54	30 May.
Maddox and Co.'s Metropolitan Chemical and Manufacturing Company, Limited	Wellington	42	3385	22 May ..	54	30 May.
Mandel, J.	Wellington	2	3375	4 May ..	..	..
Mandel, J.	Wellington	2	3434	26 June ..	68	11 July.
McEwin and Son, G.	Glen Ewin, S.A. ..	42	3365	26 April ..	44	2 May.
McKenzie, G. T. K...	Dunedin	42	3347	1 April ..	35	4 April.
Meldrum Brothers, Limited	Manchester	6	3371	3 May ..	..	..
Mouat and Wales	Dunedin	49	3374	4 May ..	49	16 May.
New Sunlight Incandescent Company (1900), Limited	London	13, 18	3437–8	27 June ..	68	11 July.
New York Standard Watch Company..	Jersey, U.S.A. ..	10	3424	22 June ..	..	..
New Zealand Loan and Mercantile Agency Company, Limited	Wellington	47	3388	23 May ..	54	30 May.
New Zealand Wine Company. (See F. Falconer and J. E. Thomson.)						
Ogden's, Limited	Liverpool	45	3405	30 May ..	58	13 June.
Oudaille, A.	Dunedin	3	3415	10 June ..	68	11 July.
Patent Borax Company, Limited ..	Birmingham	2, 3, 47, 48	3349–52	4 April ..	..	..
Rainbow, W.	Christchurch	11	3361	18 April ..	44	2 May.
Rew, R.	Auckland	47	3369	3 May ..	47	16 May.
Rickards, C. A., Limited	Manchester	30	3399–400	30 May ..	63	27 June.
Richards, W. O., and another ..	Sydney	48	3442	28 June ..	..	..
Roberts, J. D.	Auckland	42	3367	30 April ..	49	16 May.
Sandeman, Sons, and Co., G. G. ..	Sydney	43	3253	13 Dec., 1900	49	16 May.
Sandeman, Sons, and Co., G. G. ..	Sydney	43	3254	13 Dec., 1900	35	4 April.
Sandeman. (See G. G. Sandeman, Sons, and Co.)						
Schonfield and Co., A.	London and Glasgow ..	5	3360	17 April ..	44	2 May.
Smith, W. J.	Raglan	42	3380	11 May ..	..	..
Somerville, W.	Burnley, Vic.	47	3412	8 June ..	..	..
Sykes, A. E.	New Plymouth ..	3	3416–7	12 June ..	63	27 June.
Sykes, A. E.	New Plymouth ..	3	3419	15 June ..	71	25 July.
Thomson, J. E., and another.. ..	Auckland	43	3421	17 June ..	63	27 June.
Usher and Co., A.	Edinburgh	43	3240	5 Dec., 1900	35	4 April.
Van Hoytema and Co.	Culemborg, Holland ..	43	3372	3 May ..	..	..
Wailes, Dove, and Co., Limited ..	Newcastle-on-Tyne ..	1	3436	27 June ..	..	..
Ward and Co., J. G...	Invercargill	42	3406	3 June ..	63	27 June.
Watson, H.	Hobart	42	3311	22 Feb. ..	44	2 May.
Weber, Lohmann, and Co., Limited ..	Sydney	13	3386	22 May ..	..	..
Weber, Lohmann, and Co., Limited ..	Sydney	12	3404	30 May ..	58	13 June.
Wellington Meat Export Company, Limited	Wellington	4, 42	3376–7	7 May ..	49	16 May.
Whiteman, J.	Upper Hutt	42	2913	3 Jan., 1900	44	2 May.
Williams Company, T. C.	Richmond, Va. ..	45	3358–9	16 April ..	..	..
Wills, W. D. and H. O., Limited ..	Bristol and London ..	45	3403	30 May ..	63	27 June.
Wright, Stephenson, and Co. ..	Dunedin	2	3414	10 June ..	..	..

By Authority: JOHN MACKAY, Government Printer, Wellington.