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* Alphabetical lists for the preceding quarter of the year 1902 appear in *Gazette* No. 34, of the 1st May.

Notice of Acceptance of Complete Specifications.

Patent Office,
Wellington, 17th September, 1902.

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

No. 14034.—21st September, 1901.—JOHN TAYLOR, Rabbit-exporter, and ARTHUR EDWARD REEVES, Flax-dresser, both of Matura, New Zealand. Improvements in scutching-machines for dressing New Zealand flax.*

Claims.—(1.) The improved scutching-machine for dressing New Zealand flax consisting of the combination and arrangement of parts described, and illustrated in the drawings. (2.) In a scutching-machine for dressing New Zealand flax, a hackling-chain provided with teeth con-

structed, arranged, and operating substantially as described, and illustrated in Figs. 2 and 7 of the drawings. (3.) In a scutching-machine for dressing New Zealand flax, the chains A, B, and C provided with prongs, and the tumblers, substantially as described, and illustrated in Figs. 3 and 8, and for the purposes set forth. (4.) In combination, a feeding-board, a butt-drum, a toothed hackling-chain, and means for driving said drum and chain, substantially as and for the purposes set forth. (5.) In combination, a feeding-board, a butt-drum, a toothed hackling-chain, an adjacent tail-drum, and means for driving said drums and chain, substantially as and for the purposes set forth. (6.) In combination, a feeding-board, a butt-drum, a toothed hackling-chain, an adjacent tail-drum, means for gripping and carrying hanks of flax between said drums, and means for driving said drums and gripping-means, substantially as and for the purposes set forth. (7.) In combination, a feeding-board, a butt-drum, a toothed hackling-chain, an adjacent tail-drum, a finishing-drum, means for gripping and carrying hanks of flax between said drums and to said finishing-drum, and means for driving said drums and gripping-means, substantially as and for the purposes set forth. (8.) In combination, a butt-drum, a feeding-board leading to the concave thereof, a hackling-chain provided with teeth adapted to run in said concave, a tail-drum laterally adjacent to said butt-drum, a finishing-drum, a lower endless chain provided with double prongs at intervals adapted to mesh with two upper endless chains provided with single prongs at intervals, tumblers for said chains, and means for driving said hackling-chain, drums, and endless chains, substantially as described.

(Specification, 9s. 6d.; drawings, 2s.)

No. 14273.—25th November, 1901.—ALFRED HERBERT ROSS, of Rata, Rangitikei, New Zealand, Shepherd. An improved combined implement for "docking," castrating, and ear-marking lambs and the like.*

Claim.—A pair of blades hinged together in the form of scissors and provided with handle extensions, gripping-jaws upon the outer extremities of such blades and extending* at right angles to one side thereof, a depression formed in the top surface of one of such jaws, adapted to receive the bottom edge of the other jaw, a punch and anvil upon the respective outer extremities of the blades and on the other side thereof to that on which the jaws are placed, and a spring in tension between the handles, all as and for the purposes set forth.

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

No. 14290.—28th November, 1901.—WILLIAM ANDREWS and ARTHUR WARD BEAVEN, trading as "Andrews and Beaven," of South Belt, Christchurch, New Zealand, Agricultural Engineers. Improved crushing, cleaning, separating, and elevating apparatus for employment in connection with chaff-cutters.*

Claims.—(1.) In combination with a chaff-cutting apparatus to which grain in oat-sheaf chaff and knots in the straw thereof are crushed simultaneously with the cutting of the sheaves into chaff, substantially as specified. (2.) The combination for the purpose indicated of a machine for cutting chaff, riddles receiving and operating upon the cut material, rollers for crushing grain and heavy parts of the chaff, means for conducting material to the rollers, a fan operating upon the main body of the chaff and withdrawing dust and like particles therefrom, a pocket receiving the chaff, and means by which it is conducted therefrom to mingle with material which has passed through the rollers, and a conveyer for carrying away the mixed material, substantially as specified and illustrated. (3.) The combination for the purpose indicated of a machine for cutting chaff, crushing-rollers designed to operate upon grain and heavy parts of the chaff, means for conveying material to the crushing-rollers and for mingling the main body of the chaff with material which has passed through said crushing-rollers. (4.) The combination for the purpose indicated of a machine for cutting chaff and crushing-rollers designed to operate upon grain and heavy particles separated for the purpose from the cut material, substantially as specified.

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

No. 14306.—4th December, 1901.—JAMES BARCLAY JACKSON, of Motu, Gisborne, New Zealand, Road-overseer. An improved earth-scoop.*

Claims.—(1.) A scoop formed with an open front and with a hinged back, and provided with grooved wheels loosely mounted on each side thereof, in combination with a carrying-frame mounted upon running wheels at its forward end, and composed of upwardly and forwardly inclined side pieces formed with depressions near their forward ends upon which the grooved wheels of the scoop may rest and run, and means whereby the scoop may be locked to the back end of the frame, as and for the purposes set forth. (2.) A carrying-frame for earth scoops, such frame consisting of upwardly and forwardly inclined side pieces joined together at their ends by crossbars, and supported upon running wheels at its forward end and upon sliding shoes at its back end, the side pieces of the frame being formed with depressions therein near their upper ends, as and for the purposes specified. (3.) An earth-scoop provided with loosely mounted grooved wheels on each side thereof, and carried upon a carrying-frame supported upon running wheels, and consisting of upwardly and forwardly inclined side pieces joined together at their extremities by crossbars, and depending hooks secured to each side of the scoop and adapted to engage with the crossbar at the back end of the frame, as and for the purposes set forth. (4.) A scoop formed with an open front and hinged back, and provided with guiding-stilts loosely hinged to the sides thereof, and with a loosely fitting crossbar joining the stilts and bearing against the hinged back of the scoop so as to prevent the same from opening, as specified. (5.) The general arrangement, construction, and combination of parts in my improved earth-scoop, as described and explained, as illustrated in the drawings, and for the several purposes set forth.

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

No. 14313.—4th December, 1901.—CHARLES ADOLPHUS LOADER, of Dunedin, New Zealand, Carpenter. Improved spraying-machine.*

Claims.—(1.) The general construction, arrangement, and combination of parts composing my improved spraying-machine, all substantially as and for the purposes described with reference to the drawings. (2.) In a spraying-machine operated by compressed air, an internal pipe adapted to reach above the level of the liquid in said machine, and provided with a perforated end adapted to lie on the bottom of said machine, and connected with an outlet-pipe, substantially as and for the purposes set forth.

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

No. 14317.—9th December, 1901.—ROBERT WILLIAM ENGLAND, of Christchurch, New Zealand, Architect. Improvements in chimneys.*

Claims.—(1.) The general construction, arrangement, and combination of parts composing my "improvements in chimneys," all substantially as and for the purposes described

with reference to the drawings. (2.) In combination, metal tubing adapted to form the flue of a chimney and a drain-pipe adapted to surround same at the roof, substantially as and for the purposes set forth. (3.) In combination, metal tubing adapted to form the flue of a chimney, a drain-pipe adapted to surround same at the roof, and an external casing for the head of said chimney, substantially as and for the purposes set forth. (4.) In combination, metal tubing adapted to form the flue of a chimney, a drain-pipe adapted to surround same at the roof, an external casing for the head of said chimney, and a casing to said flue between the ceiling and the square breast of said chimney, substantially as and for the purposes set forth. (5.) In combination, metal tubing adapted to form the flue of a chimney, a drain-pipe adapted to surround same at the roof, an external casing for the head of said chimney, a casing to said flue between the ceiling and the square breast of said chimney, and upwardly extended ends to said breastwork, substantially as and for the purposes set forth.

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

No. 14322.—12th December, 1901.—WILLIAM CONYERS, of New Zealand Chambers, 483, Collins Street, Melbourne, Victoria, Civil Engineer (assignee of Edwin Arthur Powell, of 133, St. George's Road, North Fitzroy, Victoria, Engineer). An improved attachment for raising, lowering, and checking Venetian and other blinds.*

Claims.—(1.) In an attachment for raising, lowering, and checking Venetian and other blinds by the use of a single cord, the roller *a*, with reduced portion *a* 1, as illustrated and described. (2.) In an attachment for raising, lowering, and checking Venetian and other blinds by the use of a single cord, the ratchet wheel *a* 4, secured to small portion of roller *a* 1, as illustrated and described. (3.) In an attachment for raising, lowering, and checking Venetian and other blinds by the use of a single cord, the pawl-lever *c*, with horizontal extension provided with slotted openings through which the cord *b* passes, in combination with the steel-wire spring *c* 2, as illustrated and described. (4.) In an attachment for raising, lowering, and checking Venetian and other blinds by the use of a single cord, the general arrangement of the several parts set forth in Figs. 1, 2, and 3 inclusive on the sheet of drawings, forming a complete apparatus for raising, lowering, and checking Venetian and other blinds by the use of a single cord, substantially as described and illustrated.

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

No. 14330.—11th December, 1901.—ANDREW JOHN PARK, of Dunedin, New Zealand, Patent Agent (nominee of Robert William England, of Christchurch, New Zealand, Architect). Improvements in chimneys.*

Claims.—(1.) The general construction, arrangement, and combination of parts composing my improvements in chimneys, all substantially as and for the purposes described with reference to the drawings. (2.) In combination, a chimney-flue consisting of drain-pipes laid end to end, a surrounding metal casing to said flue adapted to rest on the top of the square breastwork of the chimney, an external casing for the head of said chimney adapted to be secured to a roof, a connecting-piece at the exit of said flue between said external casing and the flange of an adjacent pipe, substantially as and for the purposes set forth.

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

No. 14349.—18th December, 1901.—FRED SMITH, of Hokitika, New Zealand, Miner. Improvements relating to dredging-machinery.*

Claims.—(1.) In dredging-machinery, in combination, a force-pump capable of throwing a jet of water, a flexible hose, a pipe attached to the side of the dredge-ladder, a sheath protecting the said pipe and nozzles whereby a stream of water may be thrown at different angles below the surface of the water against the face cut by the dredge-buckets, substantially as and for the purposes set forth. (2.) The improvements relating to dredging-machinery comprising the combination and arrangement of parts substantially as and for the purposes described, and illustrated in the drawing.

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

No. 14370.—23rd December, 1901.—JOHN MIDDLETON and HENRY JAMES TOPLISS, of Addington, Christchurch, New Zealand, Engineer. Improvements in apparatus for cooling and agitating cream.*

Claims.—(1.) In apparatus for cooling and agitating cream, the employment of a pipe-coil for conducting the cooling

medium to which vertical reciprocating movement is imparted, substantially as specified. (2.) In combination, apparatus for the purpose indicated, consisting of a coil for conducting cooling medium, the pipes in which are arranged in the same horizontal plane, the coil being supported in sling-hangers to which movement is imparted whereby the said coil is caused to rise and fall vertically. (3.) In combination, apparatus for the purpose indicated, consisting of a coil for conducting cooling medium, the pipes in which are arranged in the same horizontal plane, the coil being supported in sling-hangers, which are connected to chains, the opposite ends of the chains being connected to cranks upon a revolving spindle whereby vertical intermittent reciprocating movement is imparted to the coil. (4.) The combination, in apparatus for the purpose indicated, of a coil for conducting cooling medium, sling-hangers, chains connected to said hangers, guide-sheaves for the chains, cranks to which the chains are connected, and means for revolving the spindle upon which the cranks are fixed, as specified.

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

No. 14615. — 13th March, 1902. — FREDRIC EDWARD WHITHAM, of Moorhouse, Oxenhope, York, England, Engineer. Improvements in machinery or apparatus for breaking, grinding, or reducing lime, ashes, sandstone, limestone, fireclay, quartz, and other suitable minerals or materials.

Claims.—(1.) In machinery or apparatus for grinding, reducing, or breaking stones or other suitable minerals or materials, the use and employment of grinding-discs *b, c*, serrated upon their grinding-surfaces and of a section shown at Figs. 1, 2, and 3, mounted upon a vertical driving-shaft *g*, and balanced, adjusted, and operated in the manner and for the purposes set forth. (2.) In machinery or apparatus for grinding or reducing bones, fireclay, rock-salt, and similar minerals or materials, the use and employment of grinding-discs of a section shown at Figs. 4, 5, 6, and 11, having grinding-surfaces of serrated segmental plates *t* of any suitable material bolted or otherwise attached to the body of the discs *b, c, 3, 4*, with or without a surrounding sectional serrated ring *u* of any suitable material, these discs being mounted, balanced, adjusted, and operated in the manner and for the purposes set forth. (3.) In machinery or apparatus for grinding or reducing quartz, ganister, and the like hard minerals or materials, mounting two sets of grinding-discs *b, c, 3, 4*, upon the vertical driving-shaft *g*, of a section and construction shown and described with reference to Figs. 7, 8, 9, 10, and 11 of the drawings, the product of the first set of discs *b, c*, being transferred to and operated upon by the second set of discs *3, 4*, automatically in the manner and for the purposes set forth. (4.) In machinery or apparatus for grinding or reducing quartz, ganister, and the like, the combination of balanced adjustable grinding-discs *b, c*, mounted upon a vertical driving-shaft *g*, cyclone separator *x*, archimedean conveyor 1, chute 2, a second set of balanced adjustable grinding-discs *3* and *4* also upon the vertical shaft *g*, annular collecting-chambers 11, and hopper 12, the whole operated and operating in the manner and for the purposes set forth. (5.) In machinery or apparatus for grinding or reducing suitable minerals or materials, constructing the grinding-discs with their grinding-surfaces of segmental plates *t* of any suitable material, with or without an outer ring *u* as desired, such plates and ring being serrated or plain, and attached to the discs, in the manner shown and described with reference to Figs. 4, 5, 6, 7, 8, 9, 10, and 11 of the drawings. (6.) In machinery or apparatus for grinding or reducing paper, paper-pulp, and similar materials, the use and employment of grinding-discs, of a section and construction shown and described with reference to Figs. 12 and 13 of the drawings. (7.) In machinery or apparatus for grinding or reducing maize, corn, plumbago, and the like materials, the use and employment of grinding-discs or stones, of a section and construction shown and described with reference to Figs. 14 and 15 of the drawings. (8.) In machinery or apparatus for grinding and reducing suitable minerals or materials, cushioning the top disc by means of bolts 28, projecting from or attached to the flange of the outer shell *a*, buffer-springs 30, and nuts 31, in the manner and for the purposes set forth. (9.) In machinery or apparatus for grinding or reducing suitable minerals or materials, balancing the bottom or rotary discs *C 4* by means of adjustable weights 25 (with or without plates 23) sliding or adjustable within annular grooves 22, 27, placed or formed in the outer periphery of said discs *C 4*, or underneath, near its outer edge, and fixed by set screws or bolts 24, in the manner and for the purposes set forth. (10.) In machinery or apparatus for grinding or reducing suitable minerals or materials, mounting the vertical driving-shaft upon an adjustable footstep *j*, consisting of a screwed sleeve 32, such screwed sleeve working within casting 33 and operated by worm wheel 34, worm 35, shaft 36, mitre wheel 37, shaft 38, and

hand-wheel 39, in the manner and for the purposes set forth. (11.) In machinery or apparatus for grinding or reducing suitable minerals or materials, the general arrangement and construction of apparatus, substantially as shown and described.

(Specification, 8s. 6d.; drawings, 9s.)

No. 15119. — 11th July, 1902. — JAMES HARRY STEWART and WILLIAM NICOL, both of Invercargill, New Zealand, Mechanics. Improvements in candlesticks.*

Claims.—(1.) In an improved candlestick, the spring formed by the sides *C* and *D* with the flange *F* and top *G*, attachable to any handle, bowl, or bracket. (2.) In an improved candlestick, a flangeless spring formed by the sides *C* and *D* in combination with the handle *E* and bowl *A*. (3.) In an improved candlestick, a flangeless spring formed by the sides *C* and *D* in combination with the domed bowl *A*. (4.) In an improved candlestick, the spring formed by the sides *C* and *D* flanged at *F* with the top *B*, in combination with the handle *E* and dome-shaped bowl *A*, the construction whereof is substantially as described in this specification and the drawings.

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

No. 15225. — 4th August, 1902. — HARRY EDWARD DADE, of 47, Johnston Street, Newburgh, New York, United States of America, Salesman. Improvements in binders for loose sheets of paper.

Claims.—(1.) In a binder, the combination of a strip provided with a pair of fixed posts, a clamping-strip, a pair of grippers separate and distinct from each other fixed so as to be bodily immovable on said clamping-strip, each gripper consisting of two spring jaws arranged to move to and from each other in the same plane and adapted to engage the exterior surface of one of said posts, and means carried by the clamping-strip independent of the posts for causing the gripper-jaws to move to and from each other whereby the posts may be engaged or disengaged by said grippers. (2.) In a binder, the combination of a strip provided with a pair of fixed posts, a clamping-strip, a pair of grippers separate and distinct from each other fixed so as to be bodily immovable on said clamping-strip, each gripper consisting of two spring jaws arranged to move to and from each other in the same plane and adapted to engage the exterior surface of one of said posts, said grippers tending normally to disengage the posts, and means for controlling the gripper-jaws, whereby the posts may be engaged or disengaged by said grippers. (3.) In a binder, the combination of a strip provided with a pair of fixed posts, a clamping-strip, a pair of grippers separate and distinct from each other fixed so as to be bodily immovable on said clamping-strip, each gripper consisting of two spring jaws arranged to move to and from each other in the same plane and adapted to engage the exterior surface of one of said posts, said grippers tending normally to disengage the posts, and sliding means carried by the clamping-strip for controlling the gripper-jaws whereby the posts may be engaged or disengaged by said grippers. (4.) In a binder, the combination of a strip provided with a pair of fixed posts, a clamping-strip, a pair of grippers separate and distinct from each other fixed so as to be bodily immovable on said clamping-strip, each gripper consisting of two spring jaws arranged to move to and from each other in the same plane and adapted to engage one of said posts, and two reciprocating gripper-actuators carried by the clamping-strip. (5.) In a binder, the combination of a strip provided with a pair of fixed posts, a clamping-strip, a pair of grippers separate and distinct from each other fixed on said clamping-strip, each gripper consisting of two spring jaws arranged to move to and from each other in the same plane and adapted to engage one of the said posts, and two gripper-actuators carried by the clamping-strip and sliding thereon. (6.) In a binder, the combination of a strip provided with a pair of fixed posts, a clamping-strip, a pair of grippers separate and distinct from each other fixed on said clamping-strip, each gripper consisting of two spring-jaws arranged to move to and from each other in the same plane and adapted to engage one of said posts, and two reciprocating gripper-actuators carried by the clamping-strip, said grippers being so arranged as to resist the pressure of the actuators and having thereby a tendency to retract the actuators and release themselves therefrom. (7.) In a binder, the combination of a strip provided with a pair of fixed posts, a clamping-strip, a pair of grippers separate and distinct from each other fixed on said clamping-strip, each gripper consisting of two spring jaws arranged to move to and from each other in the same plane and adapted to engage one of said posts, each gripper having an aperture formed in its jaws through which the post passes, said grippers tending normally to disengage

the posts, two reciprocating gripper-actuators carried by the clamping-strip, and means for operating the actuators. (8.) In a binder, the combination of a strip provided with a pair of fixed posts, a clamping-strip, a pair of grippers separate and distinct from each other fixed on said clamping-strip, each gripper consisting of two spring jaws arranged to move to and from each other in the same plane and adapted to engage one of said posts, two gripper-actuators carried by the clamping-strip and sliding thereon, said grippers being so arranged as to resist the pressure of the actuators and having a tendency to retract the actuators and release themselves therefrom, each gripper having an aperture formed in its jaws through which the post passes and tending normally to disengage its post, and means carried by the clamping-strip for operating the actuators whereby the posts may be engaged or disengaged by said grippers. (9.) In a binder, the combination of a strip provided with fixed posts, a clamping-strip, a gripper carried on the clamping-strip for at least one of said posts and consisting of two jaws arranged to move to and from each other in the same plane to engage and disengage said post, and reciprocating means carried by the clamping-strip for operating the gripper-jaws. (10.) In a binder, the combination of a strip provided with fixed posts, a clamping-strip, a gripper carried on the clamping-strip for at least one of said posts and consisting of two spring jaws arranged to move to and from each other in the same plane to engage and disengage said post, and reciprocating means carried by the clamping-strip for operating the gripper-jaws. (11.) In a binder, the combination of a strip provided with a pair of fixed posts, a clamping-strip, sheets secured on the posts and between the strips, a pair of grippers separate and distinct from each other on said clamping-strip, each gripper consisting of two spring jaws arranged to move to and from each other in the same plane and adapted to engage one of said posts, each gripper having an aperture formed in its jaws through which the post passes, said grippers tending normally to disengage the posts, and reciprocating means carried by the clamping-strip for controlling the gripper-jaws whereby the posts may be engaged or disengaged by said grippers. (12.) In a binder, the combination of a strip provided with a pair of fixed posts, a clamping-strip, sheets secured on the posts and between the strips, a pair of grippers separate and distinct from each other fixed on said clamping-strip, each gripper consisting of two jaws arranged to move to and from each other in the same plane and adapted to engage one of said posts, and means for controlling the gripper-jaws whereby the posts may be engaged or disengaged by said grippers. (13.) In a binder, the combination of a strip provided with fixed posts, a clamping-strip, a gripper carried on the clamping-strip for at least one of said posts and consisting of two tapering spring jaws apertured to receive the post and arranged to move to and from each other to engage and disengage said post, said jaws tending normally to disengage the post, a reciprocating actuator carried by the clamping-strip having a recess to receive and operate the jaws of the gripper, and means to operate the actuator.

(Specification, 10s.; drawings, 2s.)

No. 15270.—18th August, 1902.—FRANCES ROSS, of Mohaka, New Zealand, wife of D. M. Ross. A cough mixture.

Description.—3½ oz. honey, ½ oz. golden syrup, 4 oz. cod-liver oil, juice of two large lemons, one dessert-spoonful best vinegar. Warm and mix the honey, cod-liver oil, and golden syrup thoroughly. Add the vinegar and lemon-juice (previously boiled, strained, and allowed to cool). Shake the mixture well, and bottle. Dose for an adult, one table-spoonful three times a day, between meals; children's doses in proportion. The mixture to be well shaken before taken.

Claim.—A new and improved curative mixture for coughs, colds, &c., consisting of the ingredients mentioned in the specification, and composed in the manner described and in the proportions stated.

(Specification, 1s.)

No. 15313.—27th August, 1902.—WILLIAM HERBERT METCALFE, of Livingstone Road, Marrickville, Sydney, New South Wales, Gentleman. Improvements in and connected with the manufacture of manures from waste animal materials.

Extract from Specification.—This invention has for its object the treatment of the soup produced from the boiling or steaming of flesh, bones, and all animal matter contained in the dead bodies of animals, including the blood from abattoirs; also the treatment of the by-products of manufactory, which contain gelatinous and other animal matters, to obtain a portion or the whole of the valuable contents as manures. To carry my invention into practice I employ

a series of tanks, of wood or other suitable material or materials, of shape or form most suitable for the premises upon which they may be erected, which tanks may be connected with each other in such a manner as to enable the workmen to have complete control of the contents, suitable siphons or discharge-pipes being provided for drawing off the liquor. The material under treatment is placed in the tanks, and I obtain the precipitation of the gelatinous contents, and deodorise the animal matter, by means of tannic acid or any carbonaceous material containing a sufficiency of tannic acid, thereby eliminating all smell, the amount of tannic acid required for the purpose being that quantity which is sufficient to effect the above result. I retain the matter contained in the material under treatment (other than the gelatinous) by absorption by mixing the same with any suitable carbonaceous absorbent, such as sawdust, vegetable charcoal, spent tan, or animal charcoal, or with siliceous absorbents, such as gypsum, burnt clay, or the like, which absorbents may mean any suitable carbonaceous or siliceous material which may be most readily obtained in the locality, and the cost of which is nominal. I effect the removal of a portion of the water and the reduction of the carbonaceous contents to a true humus by a process of fermentation, carried out in heaps preferably not exceeding 6 ft. in height, and enclosed by partitions of wood or other suitable material in a covered shed, the quantity in each compartment being regulated by the heat produced by the fermentation, ascertained by thermometric tests, the temperature to be maintained at approximately 100° Fahr. The principle underlying the fermentation of nitrogenous matter to fix the nitrogen is that at a temperature of about 100° Fahr. a bacillus "nitromines" is formed which feeds on phosphates and fixes the nitrogen in the carbons. By this process humic acid is produced, which releases the carbonic acid and superfluous water, reduces the carbonaceous material to a true humus, and fixes the nitrogen contained in the animal matter. If volatile ammonia is being lost, which is ascertained by the odour, it is arrested by the addition of dilute sulphuric acid in the proportion of approximately 1 of acid to 10 of water, or by the addition of sulphate of lime, or any such suitable substance containing sulphuric acid as may be deemed expedient, the quantity required being determined by the odour of the ammonia. The chief features of my invention are: (1.) The deodorisation of animal matter, and the precipitation and absorption of all valuable properties contained therein. (2.) The converting of offensive animal matter produced from abattoirs, boiling-down works, and the like factories into a valuable product by a simple and cheap process, the residue being absolutely innocuous. (3.) The manures manufactured by this process possess a mechanical value not existing in most artificial manures. (4.) The whole process being free from offensive odours, works may be erected in any place without becoming a nuisance.

Claim.—The described process for the manufacture of manures.

(Specification, 2s. 3d.)

No. 15316.—28th August, 1902.—WILLIAM ROWE, of Mayville, Victoria Road, Marrickville, near Sydney, New South Wales, Signal-fitter. Improvements in railway-traffic-control systems.

Claims.—(1.) In railway-traffic-control systems and in a block or section thereof, the combination with the instrument circuit of an outdoor signal circuit adapted to render operative normally inoperative outdoor signal devices, and a controller or relay in said instrument circuit for breaking and making said outdoor signal circuit, substantially as described and explained. (2.) In railway-traffic-control systems and in a block or section thereof, the combination with the instrument circuit and an outdoor signal circuit of an alternative constant relay circuit for making and breaking said instrument circuit, substantially as described and explained. (3.) In railway-traffic-control systems and in a block or section thereof, the combination with the telegraph block instrument the "long" circuit and insulated rails of an electro-magnet energised by said "long" circuit and adapted to hold its armature and said instrument in "Line clear" position until its battery is short-circuited across said insulated rails, substantially as described and explained. (4.) In railway-traffic-control systems and in a block or section thereof, in combination with insulated rails, the instrument circuit, the telegraph block instrument, and an electro-magnet (on said block instrument) adapted to hold said instrument in "Line clear" position, and to be energised when in series with other magnets of said instrument circuit, substantially as described and explained. (5.) In railway-traffic-control systems and in a block or section thereof, the combination with the instrument circuit, the outdoor signal circuit, an electro-magnet (for controlling the outdoor signal devices) in said outdoor signal circuit, and an electrically operated audible signal in circuit with said electro-

magnet, of a branch circuit open between insulated rails and joined up to the outdoor signal battery, substantially as described and explained. (6.) In railway-traffic-control systems and in a block or section thereof, the combination with the instrument circuit, the outdoor signal circuit controlled by a relay in said instrument circuit, of a branch circuit from the outdoor signal circuit to insulated rails embracing therein a local alarm-bell, substantially as described and explained. (7.) In railway-traffic-control systems and in a block or section thereof, the combination with the instrument circuit, the outdoor signal circuit, and a local alarm-bell branch circuit, of a relay in said local alarm-bell circuit, and an additional battery circuit adapted to be switched on to the wire of said instrument circuit by said relay, substantially as described and explained. (8.) In railway-traffic-control systems and in a block or section thereof, the combination with insulated rails in or at crossings or sidings or any predetermined point in the permanent-way of a battery, an electrically operated audible signal, and make-and-break contacts in the circuit of such battery operated by devices on or attached to the signal or points levers of said crossings, &c., substantially as described and explained. (9.) In railway-traffic-control systems and in a block instrument thereof, the combination with push-bar such as 9 of spring such as 11, armature such as 12, electro-magnet such as 13, and make-and-break contacts, substantially as described and explained, and as illustrated in the drawings. (10.) In railway-traffic-control systems and in semaphore signals thereof, the combination with the pull-wire from the signal lever and its balance lever such as 31 of cord or chain such as 32, pulley such as 33, weighted lever such as 34, and connection to an arm such as 36, and at the end of said cord or chain such as 32 an armature and hood such as 39, and electro-magnet such as 38, and electrical connections for energising said electro-magnet such as 38, substantially as described and explained, and as illustrated in the drawings. (11.) In railway-traffic-control systems and in a block or section thereof, the combination with an electro-magnet adapted to render operative a normally inoperative signal-arm, of an electrically operated audible signal in electrical series therewith, and whose absence will break the circuit of said electro-magnet, substantially as described and explained. (12.) In railway-traffic-control systems and in a block or section thereof, the combination with a resounding dome or bell such as 40, of resilient holding-checks and electrical conductors such as 41, hollow chamber such as 42 having electrical ends such as 43 and 44, with wires such as 48 and 49, and insulated body such as 45, containing cartridge or detonator such as 46, adapted to be electrically fired, substantially as herein described and explained, and as illustrated in the drawings. (13.) The combination and aggregation together of mechanical and electrical parts, as and for the purposes set forth, constituting an improved railway-traffic-control block and its system of working, substantially as described and explained, and as illustrated in the drawings.

(Specification, £1; drawings, 2s.)

No. 15317.—28th August, 1902.—HARRIET THATCHER, of King William Road, Hyde Park, South Australia, Gentlewoman (assignee of Stephen Henry Manners, of 164, Parade, Norwood, South Australia, Agricultural Engineer). Improvements in attachments for bicycles, boats, and vehicles, for use as a shade and sail, and applicable also for steadying and supporting cycles, and for advertising purposes.

Claims.—(1.) In improvements in attachments for bicycles, boats, and vehicles, for use as a shade and sail, and applicable also for steadying and supporting cycles and for advertising purposes, a mast or standard as B arranged within a mast step or socket, and provided with a spherical end as E set at an angle from the mast. (2.) In improvements in attachments for bicycles, boats, and vehicles, for use as a shade and sail, and applicable also for steadying and supporting cycles, and for advertising purposes, a mast or standard arranged within a suitable mast step or socket, and terminating with a concave bearing as F in Fig. 5, substantially as described and illustrated. (3.) In improvements in attachments for bicycles, boats, and vehicles, for use as a shade and sail, and applicable also for steadying and supporting cycles, and for advertising purposes, a mast-head having a concave bearing thereon and a cap washer, in combination with a spherical bearing having revolubly mounted sail-carriers connected therewith, said spherical bearing being mounted between the concave bearing and the cap washer, substantially as described and illustrated. (4.) In improvements in attachments for bicycles, boats, and vehicles, for use as a shade and sail, and applicable also for steadying and supporting cycles and for advertising purposes, a base washer such as F' provided with bolt lugs as F¹, and a socket F² for the reception of a sail-carrier, an intermediate washer as K provided with a socket K², also for the reception of a sail-carrier, a cap

washer-plate as L provided with lugs as L¹, the several parts being mounted upon and connected with a spherical-ended mast-head, and retained together by studs or nuts and bolts, arranged substantially as described and illustrated, and for the purposes set forth, as a combination of parts. (5.) In improvements in attachments for bicycles, boats, and vehicles, for use as a shade and sail, and applicable also for steadying and supporting cycles and for advertising purposes, a base washer as F' provided with bolt lugs F¹, sockets as F², projecting boss J, revolubly mounted sprit-clamp J², and cross-sprit, arranged substantially as described and illustrated. (6.) In improvements in attachments for bicycles, boats, and vehicles, for use as a shade and sail, and applicable also for steadying and supporting cycles and for advertising purposes, the combination with a spherical-ended mast-head of a revolubly mounted base washer, intermediate washer, and cap washer, the base washer and intermediate washer each being characterized by sockets as F² and K², having spurs integral therewith as f⁴ and k⁴, and a spiral or helical spreader spring M common to both, arranged substantially as described and illustrated. (7.) In improvements in attachments for bicycles, boats, and vehicles, for use as a shade and sail, and applicable also for steadying and supporting cycles and for advertising purposes, the combination of a spherical-ended mast-head and base washer, intermediate washer and cap washer, the base washer and intermediate washer being provided each with one or more sail-carriers and a sail or shade, substantially as described and illustrated. (8.) In improvements in attachments for bicycles, boats, and vehicles, for use as a shade and sail, and applicable also for steadying and supporting cycles and for advertising purposes, the combination of a spherical-ended mast-head and base washer having a sail-carrier and spreader sprit attached thereto and an intermediate washer having a sail-carrier attached thereto, and for the purposes set forth, and as illustrated. (9.) In improvements in attachments for bicycles, boats, and vehicles, for use as a shade and sail, and applicable also for steadying and supporting cycles and for advertising purposes, a cap washer characterized by a slot or recess as L² for partly accommodating and limiting the traverse of an adjacent socket for a sail-carrier, substantially as described and as illustrated. (10.) In improvements in attachments for bicycles, boats, and vehicles, for use as a shade and sail, and applicable also for steadying and supporting cycles and for advertising purposes, the combination of a spherical-ended mast-head and two metal bars having integral recesses arranged for the reception of sail-spreaders, and binding studs or bolts connected therewith as an alternative combination of parts. (11.) In improvements in attachments for bicycles, boats, and vehicles, for use as a shade and sail, and applicable also for steadying and supporting cycles and for advertising purposes, a segment plate having a bearing rim wherein a depression is formed, said plate being attached to the movable steering-gear of the cycle, and a spring-governed plunger provided with a roller bearing arranged to impinge upon and gear into said bearing rim and depression, such plunger being connected with a fixed portion of the cycle, as illustrated, and for the purpose indicated. (12.) In improvements in attachments for bicycles, boats, and vehicles, for use as a shade and sail, and applicable also for steadying and supporting cycles and for advertising purposes, a cord-grip comprising a metal plate or casting, constructed so as to form a front end having a circular hole therein, converging sides, and a circular opening in the back end, together with a roller characterized by a circumferential groove about its centre, arranged together as described and illustrated. (13.) In improvements in attachments for bicycles, boats, and vehicles, for use as a shade and sail, and applicable also for steadying and supporting cycles and for advertising purposes, the combination and arrangement of a spherical-ended mast-head, adjustable washers and sail-carriers and a shade or sail, substantially as described and illustrated, and for the purposes indicated. (14.) In improvements in attachments for bicycles, boats, and vehicles, for use as a shade and sail, and applicable also for steadying and supporting cycles and for advertising purposes, the combination and arrangement of a spherical-ended or concave mast-head, adjustable washers and sail-carriers, and a cross-sprit and a shade or sail, substantially as described and illustrated, and for the purposes indicated. (15.) The specified attachments for bicycles, boats, and vehicles, for use as a shade and sail, and applicable also for steadying and supporting cycles and for advertising purposes, arranged together as described and illustrated, and for the purposes indicated, as a combination of parts.

(Specification, 14s.; drawings, 2s.)

No. 15327.—26th August, 1902.—FOREIGN MCKENNA PROCESS COMPANY, a corporation organized under the laws of the State of Wisconsin, and having their principal office for doing business in Milwaukee, in said State of Wisconsin, United States of America (assignees of David Holliday Lentz, of Joliet, Will County, Illinois, United States of

America, Mechanical Engineer). Method of and apparatus for reshaping rolled products.

Claims.—(1.) The process of treating traction-rails which consists in reshaping a head thereof into a flange. (2.) The process of treating traction-rails which consists in forming a groove in a horizontal face of a rail-head, flattening this portion of the rail-head and shaping the same into the form of a flange. (3.) The process of treating traction-rails which consists in subjecting a rail to a temperature near to but below that at which the carbon in the rail would be materially affected, and reshaping a head thereof into a flange. (4.) The process of treating traction-rails which consists in subjecting a rail to a temperature near to but below that at which the carbon in the rail would be materially affected, forming a groove in a horizontal face of a rail-head, flattening this portion of the rail-head and shaping the same into the form of a flange. (5.) A machine for treating traction-rails, having three rolls serving to spread the head that is passed between the same into a flange. (6.) In a rolling-mill mechanism for treating traction-rails, the combination with a plurality of sets of rolls, each containing three rolls between which a head of rail may be disposed, these sets of rolls serving to flatten the head and transform the same into a flange. (7.) A machine for treating traction-rails having three rolls serving to spread the head that is passed between the same, one of the rolls being adapted to engage a horizontal face of a rail-head, this roll being provided with a groove-forming periphery to form in the rail-head a groove. (8.) In a rolling-mill mechanism for treating traction-rails, the combination with a plurality of sets of rolls, each containing three rolls between which a head of the rail may be disposed, one roll of each set serving to engage a horizontal face of a rail-head, some of these latter rolls being provided with groove-forming peripheries to form in the rail-head grooves, whereby the rail-head may be readily spread into the form of a flange. (9.) In a rolling-mill mechanism for treating traction-rails, the combination with a plurality of sets of rolls, each containing three rolls between which a head of the rail may be disposed, one roll of each set serving to engage a horizontal face of a rail-head, some of these latter rolls being provided with groove-forming peripheries to form in the rail-head grooves, whereby the rail-head may be readily spread into the form of a flange, while another of the latter rolls is provided with a cylindrical periphery to complete the transformation of the rail-head into a flange. (10.) In a rolling-mill apparatus for transforming the head of a traction-rail into a flange, the combination with a plurality of sets of rolls having peripheral surfaces in correspondence with surfaces of the flange, of additional rolls for successively spreading the head varying degrees until the flange is finally secured. (11.) In a rolling-mill, the combination with a pair of rolls, between which a rail may be grasped and fed, the said rolls being placed in substantial alignment, of a third roll acting upon the rail at right angles to the aforesaid rolls and engaging one side of the rail, an abutment engaging the other side of the rail, the said abutment being in the form of a bar. (12.) In a rolling-mill, the combination with a pair of rolls between which a rail may be grasped and fed, the said rolls being placed in substantial alignment, of a third roll acting upon the rail at right angles to the aforesaid rolls and engaging one side of the rail, an abutment engaging the other side of the rail, the said abutment being in the form of a bar, and means whereby the said bar may be caused to travel as the rail is passed through the rolls.

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

No. 15329.—26th August, 1902.—WILLIAM BRADY, of 1000 $\frac{1}{2}$, Hyde Street, San Francisco, California, United States of America, Miner. Rock-drills.

Claims.—(1.) An apparatus for drilling rock and striking blows, consisting of two cylinders in the same line with the pistons fixed to the same piston-rod, and a device for rotably connecting the tool at the front end, said device comprising a clamp, and inclined rods slidable through holes in a ratchet disk which is revolved freely when the tool moves forward, and is held by a pawl so that the inclined rods turn the tool as it is retracted, means for admitting an explosive gas and igniting it alternately at the rear of each piston, and an independent means for returning the pistons and tool after each forward impulse. (2.) A pair of cylinders united in line, a supporting base with guides and means for sliding the cylinders forward upon the guides, pistons in each cylinder fixed to a piston-rod which carries a drill or tool at its front end, means for admitting an explosive gas behind each piston alternately and igniting it to produce a blow of the tool, a returning spring and a crank-shaft, with a pinion engaging a rack attached to the drill-head, said pinion having a pawl which connects it with the crank-shaft to draw the pistons and drill back and a releasing-device to allow the pinion to

turn freely when the pistons are driven forward. (3.) An apparatus for striking blows upon drills and the like, consisting of an explosive engine by which the movable parts are impelled and a blow delivered, mechanism by which the parts are returned and the engine charged for an explosion after each forward impulse, and mechanism to advance the apparatus on its base as the work proceeds.

(Specification, 7s. 6d. ; drawings, 1s.)

No. 15336.—30th August, 1902.—AMMI FERNALD DAVIS, of San Francisco, California, United States of America, Canvasser (assignee of Mads L. Hansen, of San Francisco aforesaid, Inventor). Detachable heels for boots and shoes.

Claim.—In detachable heels for boots and shoes, a heel-plate attached to the heel portion of the boot or shoe, and adapted to be attached to a corresponding plate fixed to the upper surface of a detachable heel by inclined lugs on one of the plates entering inclined pockets in the other plate, and a spring latch on one of the plates adapted to engage with an opening in the other plate so as to prevent movement of the plates in either direction, substantially as described.

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

No. 15337.—30th August, 1902.—GEORGE SIMPSON, of 54, Gardner Street, Richmond, Victoria, Carpenter. An improved window-sash fastener.

Claims.—(1.) An improved window-sash fastener consisting of a U-shaped pin or staple, the legs of which fit into a series of holes in the upper-sash stile and the window-frame respectively, substantially as and for the purposes set forth, and as illustrated. (2.) An improved window-sash fastener consisting of a U-shaped pin or staple, one of the legs of which has a ratchet-tooth or ratchet-teeth thereon adapted to engage the edge of a hole in a retaining and wearing plate, substantially as and for the purposes set forth, and as illustrated. (3.) An improved window-sash fastener consisting of a U-shaped pin or staple, the bend of which is fitted with a filling piece, and the legs of which engage holes in the sash-frame and window-frame respectively, substantially as and for the purposes set forth, and as illustrated.

(Specification, 2s. 6d. ; drawings, 1s.)

No. 15342.—2nd September, 1902.—ROBERT JOHN KEYS, of Oamaru, New Zealand, Confectioner. An improved patty-pan.

Claim.—In patty-pans and the like, forming the bottom of the pan with a dome or other shaped projection extending upwards into the pan and leaving a hollow space beneath, as and for the purposes set forth.

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

No. 15345.—3rd September, 1902.—FRANK ALEXE, of 62 and 63, Mark Lane, London, England, Publisher. Improvements in or relating to barrels.

Claims.—(1.) A collapsible barrel composed of a number of staves held together in heads by straight wire hoops passed through staples on the staves, and secured by twisting their ends one over the other, substantially in the manner described with reference to Figs. 1 to 3 of the drawings. (2.) A collapsible barrel composed of a number of staves held together in heads by straight wire hoops passed through staples on the staves, said hoops having looped ends which are secured together by means of a length of straight wire, the ends of which are twisted together one over the other, substantially in the manner described with reference to Figs. 1, 2, and 4 of the drawings. (3.) A tool for putting tension on, and twisting together, the ends of wire hoops for collapsible barrels, constructed with one fixed and one movable limb, each carrying clamps, and operated substantially as described with reference to Figs. 5 and 6 of the drawings. (4.) A tool for putting tension on, and twisting together, the ends of wire hoops for collapsible barrels, constructed with two movable limbs carrying clamps, and operated substantially as described with reference to Figs. 7 to 9, or Figs. 10 and 11, of the drawings.

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

No. 15346.—3rd September, 1902.—ALEXANDER SOUTTER, care of Buluwayo Market and Office Company, Limited, of Buluwayo, Rhodesia, Africa, Manager. Improvements in bottles and other vessels to prevent them from being fraudulently refilled.

Claims.—(1.) The improved vessel, possessing means for preventing the possibility of its being refilled in fraud of

the original packer, substantially as described and shown. (2.) The improved bottle or other vessel for containing liquid, and means for preventing the fraudulent refilling of same, such vessel consisting of the combination of an annular ridge *f* and an annular ridge *c* provided inside the neck of the vessel, the latter forming a seating for a conical valve-stopper *d*, a charging-aperture such as *g*, *o*, or *p*, with ridges *k* and *r* formed in any part of the vessel for receiving a cork or plug *h*, surmounted by a cement, glass, wax, or other seal *j*, substantially as and for the purposes described and shown.

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

No. 15347.—3rd September, 1902.—MONROE LEE ROSS, of 21, Rue Galilee, Paris, France, Engineer. Improvements in and relating to burners.

Claims.—(1.) A gas-stove in which a double supply of air is provided, and in which the top of the mixing-chamber is formed as a cone, having superposed upon it a hollow radiator, substantially as described. (2.) A burner for gas-stoves and the like, in which the top part of the mixing-chamber is separated from the main body or lower part thereof, and is provided as an inwardly protruding conical part, for the purposes and substantially as described. (3.) In a burner such as specified in claim 2, a hollow chamber or radiator provided in the manner and for the purposes substantially as described. (4.) In a burner as specified, the employment of a cylinder of gauze within the mixing-chamber, for the purposes and substantially as described. (5.) In a burner as specified in claim 2, the employment of the mixing-chamber casing in telescoping parts or sections, substantially as described.

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

No. 15351.—4th September, 1902.—The Honourable CHARLES ALGERNON PARSONS, of Heaton Works, Newcastle-on-Tyne, Northumberland, England, Engineer. Improvements in marine steam-turbines.

Claims.—(1.) An improved turbine arrangement for the propulsion of vessels, economically, both at fast and cruising speeds, consisting in a main turbine set for fast speeds, comprising a plurality of turbines of large capacity, mounted on a plurality of propeller-shafts, and one or more additional turbines of relatively small capacity adapted to be placed in series with the main turbines so as to secure economy at cruising speeds, one or more non-return valves being provided in the piping which connects the turbines in series. (2.) In a turbine arrangement as claimed in claim 1, a steam-pipe leading steam at boiler pressure directly to one or more of the small additional intermediate turbines for obtaining a higher rate of cruising speed, and non-return valves in the turbine-coupling pipes to prevent a back flow of steam from one turbine to another. (3.) In a turbine arrangement as claimed in claim 1, steam-pipes admitting steam at boiler pressure directly to one or more of the small additional turbines at points intermediate of their lengths for obtaining intermediate grades of speed, and non-return valves in the turbine-coupling pipes to prevent a back flow of steam from one turbine to another.

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

No. 15372.—6th September, 1902.—JOHN BLAIR MASON, of Dunedin, New Zealand, Civil Engineer. A new and improved combined gravity and automatic grading and concentrating table.

Claims.—(1.) A new and combined gravity and concentrating table consisting of a table having an opening, or series of openings, in the bottom, preferably adjustable both as to width and relative heights of edges of opening or openings, which may be made plain or serrated, substantially as described and explained. (2.) In a grading and concentrating table as set forth, the adaptation of the same to the plain tables or sluice-boxes of dredges by placing at the lower end of such plain tables lips or grading-bars to form openings for the interception of the heavier and finer materials passing over such tables, substantially as described.

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

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 note for the cost of copying.

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

E. WALDEGRAVE,
Registrar.

Provisional Specifications.

Patent Office,
Wellington, 17th September, 1902.

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

No. 15115.—14th July, 1902.—CARL OTTO ANDERSSON, at present of National Chambers, Grey Street, Wellington, New Zealand, Bridgeman. An improved saw-set.

No. 15295.—25th August, 1902.—FRANCES MARY HUNT, at present of 183, Hereford Street, Christchurch, New Zealand, Spinster. An improved preservative for butter.

No. 15306.—25th August, 1902.—ALFRED ROBERT WILKINS and JOHN WILLIAM ODERING, both of Christchurch, New Zealand, Cycle-manufacturers. Improved motor-attachment apparatus for bicycles and other vehicles.

No. 15307.—25th August, 1902.—ROBERT LENARD SUCKLING, of 134, Peterborough Street, Christchurch, New Zealand. An indestructible lamp-wick.

No. 15315.—27th August, 1902.—JOSHUA MALLETT, of Devonport, Auckland, New Zealand, Engineer. An improved spark-arrester for locomotive and other boiler furnaces.

No. 15318.—28th August, 1902.—FRANK COTTON, of Hornsby, New South Wales, Gentleman. Improvements in the utilisation of carbonaceous liquids as fuel.

No. 15320.—28th August, 1902.—JOHN HYLARD, of 74, Grey Street, St. Kilda, Victoria, Australia, Engineer. Apparatus for automatically detecting and showing the existence of foul gas in mines and like places, and electrically indicating and recording the presence of such gas to those in charge of the mine or the like works.

No. 15321.—28th August, 1902.—JOHN HYLARD, of 74, Grey Street, St. Kilda, Victoria, Australia, Engineer. Apparatus for indicating the existence of foul or dangerous gases in mines and the like places, and for testing such gases.

No. 15322.—28th August, 1902.—ALFRED PFAFF, of No. 375, Collins Street, Melbourne, Victoria, Australia, Accountant. Method of or process for, and chemicals to be used in, the treatment of eggs for preserving same.

No. 15323.—26th August, 1902.—WILLIAM BLANCH BRAIN, Electrical Engineer, and ELIZABETH BRAIN, Wife, both of "Mizpah," Eldon Street, Brighton, Parnell, Auckland, New Zealand. An improved method or contrivance for using the heavy oils, such as kerosene or paraffine, with high flashing points in oil or gas engines.

No. 15324.—29th August, 1902.—WILLIAM GEORGE GOSS, of Alicetown, Lower Hutt, New Zealand, Engineer. Improved hydraulic apparatus for exhausting air.

No. 15325.—29th August, 1902.—ROBERT HENRY SINNET, of Wellington, New Zealand, Draughtsman. Improvements in or relating to the screens of gold-saving dredges.

No. 15326.—26th August, 1902.—THOMAS ASHTON GARRATT, of Lyttelton, New Zealand, Chemist. An improved non-refillable bottle.

No. 15328.—26th August, 1902.—LAMOND DOW ROBERTSON, of Sandymount, Otago, New Zealand, Farmer. Improved spring hook.

No. 15331.—30th August, 1902.—ANDREW WILKIE, of Fairton, New Zealand, Slaughterman. Improved mode of, and apparatus for and relating to, the distribution of carcass meat.

No. 15332.—28th August, 1902.—ANDREW JOHNSTON, of Devonport, near Auckland, New Zealand, Artificer. An electric alarm thermometer.

No. 15333.—30th August, 1902.—HARRY ALFRED ROBINSON and SIDNEY ROBINSON, of Dunedin, New Zealand, Wire-mattress Manufacturers. Improvements in and relating to wire mattresses and bedsteads.

No. 15334.—30th August, 1902.—JOHN SMAILL, of Port Chalmers, New Zealand, Engineer. Improvements in the inlets of suction-pipes.

No. 15335.—30th August, 1902.—MILTON WILSON FLEMING, of Milton, New Zealand, Agent. Improved elevator for goods and the like.

No. 15341.—2nd September, 1902.—DAVID GWILLIM, of 174, Williams Road, Toorak, Victoria, Carpenter. New or improved indoor-game apparatus.

No. 15344.—3rd September, 1902.—CHARLES MCINTYRE, of 64, Pirie Street, Wellington, New Zealand, Engineer, and FRED C. PALMER, of 250, Willis Street, Wellington aforesaid, Bookseller, and JACOB S. SCHWARTZ, of Lambton Quay, Wellington aforesaid, Agent. An improved adjustable ping-pong net apparatus.

No. 15348.—2nd September, 1902.—WILLIAM GEORGE JESSON, of Christchurch, New Zealand, Railway Employee. Improved driving mechanism for bicycles and other vehicles.

No. 15349.—4th September, 1902.—WILLIAM HENRY KEON, of 37, Cargill Street, Dunedin, New Zealand, Marine Engineer. An improved pipe-coupling.

No. 15350.—4th September, 1902.—GEORGE HENRY CATT, Justice of the Peace for the County of Hampshire, of Villa Amalthea, Hythe, Southampton, Hampshire, England.

Improvements in and relating to the wheels of boot-finishing machines.

No. 15352.—4th September, 1902.—GEORGE WALTER BLANKS, of 69, Young Street, Annandale, Sydney, New South Wales, Engineer. An improved hydraulic duplex oil-brake.

No. 15353.—4th September, 1902.—LANCELOT ELDIN DE MOLE, of "Ellesmere," Brighton, near Melbourne, Victoria, Australia, Draughtsman. An improved method of and apparatus for automatically operating telephone exchanges.

No. 15354.—4th September, 1902.—JOHN MCKAY, of Sydney Street, Kilmore, Victoria, Storeman. Improvements in target-score indicators.

No. 15355.—4th September, 1902.—EDWARD HENRY LUXFORD, of 75, Napier Street, Victoria, Bedding and Wire-mattress Manufacturer. Combined mattress or bed and bolster, or the like.

No. 15356.—4th September, 1902.—PERCY HERBERT DANDO, of Whangarei, New Zealand, Cabinetmaker. Improvements in chamber utensils and attachments therefor.

No. 15358.—5th September, 1902.—JOSEPH SIGLEY, of Hokitika, New Zealand, Carpenter. An improved apparatus for saving gold.

No. 15361.—5th September, 1902.—ANDREW JOHN PARK, of corner Manse and High Streets, Dunedin, New Zealand, Registered Patent Agent (nominee of Alexander Colin Murray, of Cromwell, New Zealand, Commission Agent). Combined adult's and child's chair.

No. 15362.—5th September, 1902.—NEWTON WATT, of Dunedin, New Zealand, Engineer. Improvements in spark-arresters.

No. 15363.—5th September, 1902.—HENRY WILLIAM WARD, of Dunedin, New Zealand, Tinsmith. Improvements in flushing cisterns.

No. 15364.—5th September, 1902.—JOHN BRASTING, of Martin's Lane, Hillmorton, near Christchurch, New Zealand, Gardener. A new or improved implement for breaking up ground, and for hilling and other purposes.

No. 15365.—5th September, 1902.—COWPER LASHLIE, of Christchurch, New Zealand, Salesman. A combined hat and clothes brush.

No. 15366.—3rd September, 1902.—JOHN BENSON, of Hedgehope, New Zealand, Labourer. Improved combined collar and hames, and traces to be used therewith.

No. 15367.—8th September, 1902.—JOHN LINDSAY, of Burnside, Otago, New Zealand, Carpenter. An improved crate and cramp for use with the same for packing rabbits and the like.

No. 15368.—6th September, 1902.—DAVID RANKEN SHIBREFF GALBRAITH, of Ladies' Mile, Remuera, near Auckland, New Zealand, Analytical and Consulting Chemist. A new milk food.

No. 15369.—9th September, 1902.—THOMAS FIRTH, of 5, Martin Street, Wellington, New Zealand, Labourer. Improvements in sliding-rod vehicle-wheel locks.

No. 15370.—9th September, 1902.—JAMES CAMPBELL, of Grove Bush, New Zealand, Farmer. Improvements in rabbit and other animal traps.

No. 15371.—9th September, 1902.—JAMES FRASER, of Feilding, New Zealand, Plumber. An improved medicinal compound for the cure of rheumatism and gout.

No. 15373.—6th September, 1902.—HENRY UPTON ALCOCK, of 208 to 212, Russell Street, Melbourne, Victoria, Australia, Billiard-table Manufacturer. Improved convertible settee and billiard-table.

No. 15377.—8th September, 1902.—WILLIAM MCNAUGHT, of Alexandra South, New Zealand, Cordial-maker. Improvements in animal-traps.

No. 15378.—8th September, 1902.—RALPH SNEYD SMITH, of Christchurch, New Zealand, Electrical Engineer. An improved attachment to furniture legs and applicable to casters.

No. 15379.—8th September, 1902.—JOHN TRAVES, of Russell's Flat, Canterbury, New Zealand, Farmer. Improvements in scarifiers.

No. 15380.—11th September, 1902.—THOMAS WILLIAM NORTH, of Christchurch, New Zealand, Orchardist. An improved horse-collar.

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 Patents sealed from the 3rd September to the 17th September, 1902, inclusive:—
No. 13693.—F. L. Lorden, tobacco-cutter.
No. 13694.—R. Millar, motive power from waves.

No. 13708.—F. W. Bursill, swinger for wire fence.

No. 13710.—J. T. Thompson, garment-suspender.

No. 13748.—E. H. Hankins, C. P. Roberts, and W. J. Gore, mechanical counter.

No. 13770.—J. McInnes, clothes-line.

No. 13794.—J. D. Tripe, piers for ear-marking cattle.

No. 13890.—T. Holden, securing fence-droppers.

No. 14082.—M. A. G. Himalaya, utilising heat of sun.

No. 14094.—J. R. Chapman, bookbinding, &c.

No. 14226.—M. Corrington, brake.

No. 14291.—J. J. Daily, non-puncturable lining for bicycle-tire.

No. 14683.—J. Murison, bush for dredge-tumbler.

No. 14693.—T. D. Kyle, combustion of fuel.

No. 14761.—W. H. Gordon, hub or boss.

No. 14933.—G. W. Berry, joining seams of can-bodies.

No. 14934.—W. Rodier, animal-trap.

No. 14935.—J. L. McMillan, rotary engine.

No. 14957.—W. J. Dibdin and H. C. Woltreck, manufacturing gas.

No. 14980.—G. T. Allnutt and W. E. Lake, cutting butter.

No. 14984.—E. Waters, jun., gold-separator (Rose Gold Reclamation Company—F. M. Johnson).

No. 14990.—H. F. Band, farm and stock gate.

No. 14991.—The Victorian Forage Pressing Company Proprietary, Limited, forage-press (J. Ferrier).

No. 14992.—O. Imray, electro-magnetic coupling (J. H. S. Onken).

No. 14993.—W. Kingsland, controlling electric switch.

No. 15006.—C. E. Page, extensible table.

F. WALDEGRAVE,
Registrar.

Letters Patent on which Fees have been paid.

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

SECOND-TERM FEES.

NO. 10816.—S. Oxenham, silt-ejector for tanks. 22nd August.

No. 10947.—D. Nable, coat-adjustment. 4th September.

No. 10970.—J. T. Norton, making yeast. 15th September.

No. 11008.—J. Leather, ventilating-appliance. 4th September.

No. 11011.—T. H. Kelly, G. W. Bell, and R. N. Kirk, explosive. 5th September.

No. 11038.—The Hodsdon Patent Totaliser and Enumerating-machines Company, Limited, enumerating-machine (H. Hodsdon). 11th September.

No. 11049.—A. M. Nicholas, filtering gold-solution. 11th September.

No. 11353.—The British Westinghouse Electric and Manufacturing Company, Limited, electric switch. 4th September.

No. 11354.—The British Westinghouse Electric and Manufacturing Company, Limited, electrical distribution. 4th September.

No. 11355.—The British Westinghouse Electric and Manufacturing Company, Limited, arc lamps. 4th September.

No. 11356.—The British Westinghouse Electric and Manufacturing Company, Limited, phase-adjusting in alternating-current apparatus. 4th September.

THIRD-TERM FEES.

No. 7933.—R. Reid, cash-carrier. 15th September.

No. 7940.—The American Tobacco Company of New Zealand, Limited, cigarette-machine (A. L. Munson). 16th September.

No. 7942.—W. Mather, mosaic floor-cloth. 4th September.

No. 7995.—J. G. Oates, windmill. 16th September.

F. WALDEGRAVE,
Registrar.

Applications for Letters Patent abandoned.

LIST of Letters Patent (with which provisional specifications only have been received) abandoned from the 4th September to the 17th September, 1902, inclusive:—

No. 14192.—G. Osborne, harrow-tree.

No. 14200.—C. A. Loader, hydraulic motor.

No. 14201.—J. J. Cleland and E. V. Palmer, whipple-tree.

No. 14203.—W. C. Page, kerosene-receptacle.

No. 14204.—J. F. Harper, can-handle.

No. 14205.—J. B. Sheath, water-brush for copying, &c.

No. 14210.—E. Hibbard, provision-safe.

No. 14211.—J. Woodford and R. W. Graham, sheep-shears.

No. 14212.—E. T. R. Coates and W. K. Elder, trenching-plough mould-board.

No. 14216.—M. E. Blackwood, war game.

No. 14231.—E. R. Beadell, attachment to boot-brush.

No. 14232.—H. Shephard, preventing fat scattering over stove.
 No. 14234.—E. Seager, fire-escape ladder.
 No. 14251.—F. Kettle, draught-preventer for door.
 F. WALDEGRAVE,
 Registrar.

Applications for Letters Patent lapsed.

LIST of Letters Patent (with which complete specifications only have been lodged) lapsed from the 4th September to the 17th September, 1902, inclusive:—
 Nil.
 F. WALDEGRAVE,
 Registrar.

Letters Patent void.

LIST of Letters Patent void through non-payment of renewal fees from the 4th September to the 17th September, 1902, inclusive:—

THROUGH NON-PAYMENT OF SECOND-TERM FEES.

No. 10656.—J. P. Robertson, attachment to bottles.
 No. 10657.—A. H. Nathan, tobacco-cutter (E. Gillow and H. Jones).
 No. 10658.—J. D. Postle, door-brake.
 No. 10662.—Q. Muir, ploughing couch-grass land.
 No. 10669.—S. Fyfe and W. C. Peacock, labelling tins.
 No. 10670.—S. Fyfe and W. C. Peacock, labelling bottles.
 No. 10671.—R. A. Lister and Co., Limited, centrifugal separator (W. J. Ashworth and T. Stevinson).
 No. 10672.—The Anglo-Colonial Chemical Company, Limited, scent (C. Schmid).
 No. 10680.—J. Wright and J. W. Mitchell, hat-fastener.
 No. 10683.—H. E. R. Rayner, fencing-standard.
 No. 10686.—W. H. Grey and H. W. Parsons, dredge.
 No. 10692.—G. Harvey, wire-strainer.
 No. 10693.—C. J. Olivecrona, drying wheel.

THROUGH NON-PAYMENT OF THIRD-TERM FEES.

No. 7653.—F. J. Sullivan, rabbit-crate.
 No. 7661.—The Cutlan Patent Sew-round Machine Syndicate, Limited, boot-sewing machine (J. Cutlan and J. Cutlan).
 No. 7665.—A. I. Littlejohn and P. Still, theodolite (W. G. Entwistle).
 No. 7681.—G. Claydon and H. Wood, attachment to steam-boiler.
 No. 7687.—Sir A. S. Haslam, cooling air, &c.
 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. 10387.—Kempthorne, Prosser, and Co.'s New Zealand Drug Company, Limited, and Thomas Whitelock Kempthorne, of Dunedin, Managing Director of the said company, branding-fluid. [G. H. Kemp.] 17th September, 1902.

No. 13317.—The British Westinghouse Electric and Manufacturing Company, Limited, of Westinghouse Building, Norfolk Street, Strand, City of Westminster, England, Manufacturers, electro-magnetic brake. [J. P. Campbell—F. L. Clark.] 8th September, 1902.

No. 14098.—The British Westinghouse Electric and Manufacturing Company, Limited, of Westinghouse Building, Norfolk Street, Strand, Westminster, England, Manufacturers, electric-brake apparatus. [J. P. Campbell—F. C. Newell.] 8th September, 1902.

F. WALDEGRAVE,
 Registrar.

Licensee of Design registered.

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

NO. 146.—Andrew McNae, of Christchurch, in the Colony of New Zealand, Manufacturer, registered as licensee of said design so far as the Provincial District of Canterbury is concerned. [N. Townshend and E. J. Ritchie.] 11th September, 1902.

F. WALDEGRAVE,
 Registrar.

Applications for Registration of Trade Marks.

Patent Office.

Wellington, 17th September, 1902.

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: 3412.
 Date: 8th June, 1901.

TRADE MARK.

The word

BLUENA.

NAME.

WILLIAM SOMERVILLE, of No. 16, Bellevue Street, Burnley, in the State of Victoria, Manufacturer.

No. of class: 47.

Description of goods: A blue for laundry purposes

No. of application: 3442.

Date: 28th June, 1901.

TRADE MARK.

The word

CAPILLA.

NAME.

WILLIAM OLIVER RICHARDS and SYDNEY EDWARD GREGORY, of 168, Pitt Street, Sydney, in the State of New South Wales.

No. of class: 48.

Description of goods: A preparation for restoring hair.

No. of application: 3494.

Date: 15th August, 1901.

TRADE MARK.

The word

CASCARETS.

NAME.

STERLING REMEDY COMPANY, of Room 1000, Trude Building, Chicago, in the County of Cook and State of Illinois, United States of America (and elsewhere), Manufacturers.

No. of class: 3.

Description of goods: A medicine for human use.

No. of application: 3502.
Date: 22nd August, 1901.

TRADE MARK.

The word

"SAUCEARD"

NAME.

YEATMAN AND Co., LIMITED, 9, Denmark Street, London, England, Manufacturers of Grocers' Sundries.

No. of class: 42.
Description of goods: Sauce in solid or semi-liquid form.

No. of application: 3772.
Date: 24th April, 1902.

TRADE MARK.

The word

BURTONIA.

NAME.

RAWSON PARKE FRANCIS, trading as "Duerdin and Sainsbury," of 309-311, Flinders Lane, Melbourne, Australia, Chemist.

No. of class: 43.
Description of goods: Fermented liquors and spirits.

No. of application: 3773.
Date: 24th April, 1902.

TRADE MARK.

The word

BURTONIA.

NAME.

RAWSON PARKE FRANCIS, trading as "Duerdin and Sainsbury," of 309-311, Flinders Lane, Melbourne, Australia, Chemist.

No. of class: 44.
Description of goods: Mineral and aerated waters.

No. of application: 3815.
Date: 7th June, 1902.

TRADE MARK.

The word

RHEUMO.

NAME.

DONALD LANGLEY TURNER, of Manners Street, Wellington, New Zealand, Pharmaceutical Chemist.

No. of class: 3.
Description of goods: Chemical substances prepared for use in medicine and pharmacy.

No. of application: 3847.
Date: 3rd July, 1902.

TRADE MARK.

The word

EUMENTHOL.

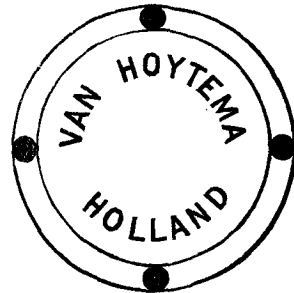
NAME.

GEORGE INGLIS HUDSON, of Brisbane Street, Ipswich, in the State of Queensland, Chemist and Druggist.

No. of class: 3.
Description of goods: Jujubes (medicated).

No. of application: 3869.
Date: 2nd August, 1902.

TRADE MARK.



NAME.

DANIEL VAN HOYTEMA and GERHARD GOSSEN GEURT CANTER CREMERS, both of Culemborg Gelderland, in the Kingdom of Holland, Distillers, trading under the style or firm of "Van Hoytema and Co."

No. of class: 43.
Description of goods: Fermented liquors and spirits.

No. of application: 3879.
Date: 14th August, 1902.

TRADE MARK.



NAME.

MUNTZ'S METAL COMPANY, LIMITED, of French Walls, Smethwick, near Birmingham, England, Metal-manufacturers.

No. of class: 5.
Description of goods: An alloy of metal for sheathing.

No. of application : 3889.
Date : 19th August, 1902.

TRADE MARK.

F A



NAME.

FRANK ABRAHAM AND Co., of 28, Martin's Lane, Cannon Street, London, E.C., England.

No. of class : 42.
Description of goods : Dried fruits.

No. of application : 3898.
Date : 23rd August, 1902.

TRADE MARK.



The essential particulars of this trade mark are the word "Kea" and the combination of devices; and the applicant disclaims any right to the exclusive use of the added matter, except in so far as it consists of his own name.

NAME.

GEORGE HENRY COLEGROVE, of 95, Molesworth Street, Wellington, New Zealand, trading as "Colegrove Tea Company."

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

No. of application : 3909.
Date : 29th August, 1902.

TRADE MARK.



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

NAME.

THE ROSS ANTIDOTE COMPANY, LIMITED, of Hampden, Otago, New Zealand.

No. of class : 2.
Description of goods : Chemical substances used for agricultural, horticultural, veterinary, and sanitary purposes.

No. of application : 3910.
Date : 29th August, 1902.

TRADE MARK.

(The mark as in preceding notice, No. 3909.)

NAME.

THE ROSS ANTIDOTE COMPANY, LIMITED, of Hampden, Otago, New Zealand.

No. of class : 3.
Description of goods : Chemical substances prepared for use in medicine and pharmacy.

No. of application : 3911.
Date : 29th August, 1902.

TRADE MARK.



The essential particulars of this trade mark are the device and word "Moa"; and the applicants disclaim any right to the exclusive use of the added matter, except their name.

NAME.

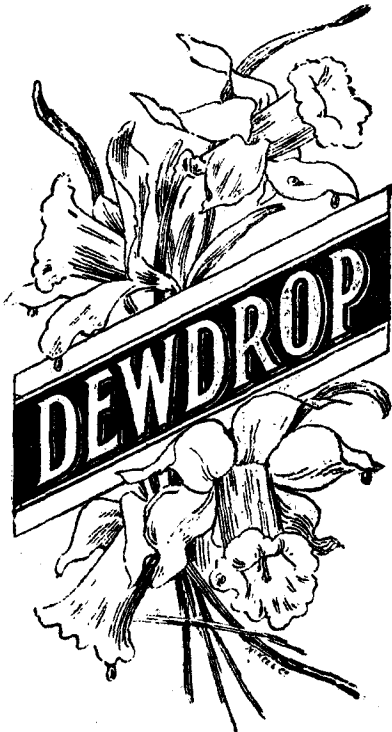
POWLEY AND KEAST, of Hope Street, Dunedin, New Zealand, Bottlers.

No. of class : 43.
Description of goods : Ale, stout, beer, whisky, brandy, gin, cider, wine, and liqueurs.

No. of application : 3913.

Date : 1st September, 1902.

TRADE MARK.



NAME.

THE WELLINGTON FRESH FOOD AND ICE COMPANY, LIMITED,
of Cornhill Street, Wellington, New Zealand.

No. of class : 42.

Description of goods : Butter and all description of dairy
produce.

No. of application : 3916.

Date : 4th September, 1902.

TRADE MARK.

The words

AERO-SPECIAL.

NAME.

RUDGE-WHITWORTH, LIMITED, of Crow Lane, Coventry,
England, Cycle-manufacturers.

No. of class : 22.

Description of goods : Cycles and other velocipedes.

No. of application : 3917.

Date : 4th September, 1902.

TRADE MARK.

The words

AERO-SPECIAL.

NAME.

RUDGE WHITWORTH, LIMITED, of Crow Lane, Coventry,
England, Cycle-manufacturers.

No. of class : 40.

Description of goods : Pneumatic tires and all other
goods manufactured from indiarubber and gutta-percha not
included in other classes.

No. of application : 3918.

Date : 4th September, 1902.

TRADE MARK.

The word

EQUATORIAL.

NAME.

RUDGE-WHITWORTH, LIMITED, of Crow Lane, Coventry,
England, Cycle-manufacturers.

No. of class : 22.

Description of goods : Cycles and other velocipedes.

No. of application : 3919.

Date : 4th September, 1902.

TRADE MARK.

The word

EQUATORIAL.

NAME.

RUDGE-WHITWORTH, LIMITED, of Crow Lane, Coventry,
England, Cycle-manufacturers.

No. of class : 40.

Description of goods : Pneumatic tires and all other goods
manufactured from indiarubber and gutta-percha not in-
cluded in other classes.

No. of application : 3920.

Date : 4th September, 1902.

TRADE MARK.

The word

CARBOSIL.

NAME.

JOSEPH CROSFIELD AND SONS, LIMITED, of Bank Quay,
Warrington, Lancashire, England, Soap and Chemical
Manufacturers.

No. of class : 47.

Description of goods : Candles, common soap, detergents,
illuminating, heating, or lubricating oils, matches, and
starch, blue, and other preparations for laundry purposes.

No. of application : 3922.

Date : 4th September, 1902.

TRADE MARK.

The word

LUBRIPHITE.

NAME.

THE LUBRIPHITE COMPANY, a corporation organized under
the law of the State of Delaware, one of the United States
of North America, and having an office at New York City.

No. of class : 47.

Description of goods : A lubricant.

No. of application : 3924.

Date : 4th September, 1902.

TRADE MARK.

The word

LINOTYPE.

The applicants claim that the said trade mark has been
used by them and their predecessors in business in respect
of the articles mentioned from 1885.

NAME.

THE LINOTYPE COMPANY, LIMITED, of 188, Fleet Street, in the City of London, England, Manufacturers.

No. of class: 6.

Description of goods: All goods included in Class 6.*

NOTE.—Class 6 is for “machinery of all kinds and parts of machinery, except agricultural and horticultural machines included in Class 7, such as steam-engines, boilers, pneumatic machines, hydraulic machines, locomotives, sewing-machines, weighing-machines, machine-tools, mining-machinery, fire-engines.”

No. of application: 3925.

Date: 4th September, 1902.

TRADE MARK.

The word

LINOTYPE.

The applicants claim that the said trade mark has been used by them and their predecessors in business in respect of the articles mentioned from 1885.

NAME.

THE LINOTYPE COMPANY, LIMITED, of 188, Fleet Street, in the City of London, England, Manufacturers.

No. of class: 13.

Description of goods: Type and typographical printing-bars, and surfaces made of metal and included in Class 13.

No. of application: 3926.

Date: 5th September, 1902.

TRADE MARK.

The word

WINDMILL.

NAME.

JOSEPH NATHAN AND CO., LIMITED, of Featherston Street, Wellington, New Zealand, Merchants.

No. of class: 5.

Description of goods: Corrugated roofing-iron and plain sheet iron.

No. of application: 3928.

Date: 8th September, 1902.

TRADE MARK.

The word

CHEDDITE.

NAME.

CURTIS'S AND HARVEY, LIMITED, of 3, Gracechurch Street, London, England, Explosives-manufacturers.

No. of class: 20.

Description of goods: Explosive substances.

No. of application: 3930.

Date: 12th September, 1902.

TRADE MARK.

The words

DEAD BIRD.

NAME.

MATTHEW DANIEL WREATHALL and ERNEST GOODWIN BREEZE, trading as “Tracker Company,” of Christchurch, New Zealand.

No. of class: 3.

Description of goods: Medicinal preparations.

No. of application: 3933.

Date: 13th September, 1902.

TRADE MARK.

The word

ZITA

NAME.

WILLIAM PRETTY AND SONS, LIMITED, of Tower Ramparts, Ipswich, Suffolk, England, Corset-manufacturers.

No. of class: 13.

Description of goods: Corset-busks and metal-work of corsets and other articles of metal or haberdashery.

No. of application: 3936.

Date: 15th September, 1902.

TRADE MARK.

The word

MATICSTOPS.

NAME.

WILLIAM LOCKE, of Castle Street, Dunedin, New Zealand, Linotypist.

No. of class: 3.

Description of goods: Specific for rheumatism.

F. WALDEGRAVE,

Registrar.

Trade Marks registered.

LIST of Trade Marks registered from the 4th September to the 17th September, 1902, inclusive:—

No. 2983; 3426.—The Keystone Watch-case Company. Class 10. (*Gazette* No. 50, of the 27th June, 1902.)

No. 2984; 3665.—The Melbourne Chilled Butter and Produce Company Proprietary, Limited. Class 42. (*Gazette* No. 50, of the 27th June, 1902.)

No. 2985; 3739.—Paraffine Paint Company. Class 17. (*Gazette* No. 50, of the 27th June, 1902.)

No. 2986; 3787.—Crucible Steel Company of America. Class 5. (*Gazette* No. 45, of the 12th June, 1902.)

No. 2987; 3803.—W. Rodier. Class 13. (*Gazette* No. 45, of the 12th June, 1902.)

No. 2988; 3816.—I. Wells. Class 48. (*Gazette* No. 45, of the 12th June, 1902.)

No. 2989; 3823.—Gerstendorfer Bros. Class 1. (*Gazette* No. 50, of the 27th June, 1902.)

No. 2990; 3826.—Sargood, Son, and Ewen. Class 38. (*Gazette* No. 50, of the 27th June, 1902.)

No. 2991; 3829.—E. E. Walker. Class 47. (*Gazette* No. 50, of the 27th June, 1902.)

No. 2992; 3804.—J. Rattray and Son. Class 42. (*Gazette* No. 50, of the 27th June, 1902.)

F. WALDEGRAVE,

Registrar.

Subsequent Proprietors of Trade Marks registered.

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

No. 2937/2325.—International Plasmon, Limited, of 66A, Farringdon Street, in the City of London, in England, Manufacturers. [S. Bergheim.] 9th September, 1902.

No. 3413/2645.—Matthew Daniel Wreathall, Commercial Traveller, and Ernest Goodwin Breeze, Commercial Traveller, both of Christchurch, in the Colony of New Zealand. [M. D. Wreathall, M. Wreathall, R. A. Dutton, and E. Dutton.] 17th September, 1902.

F. WALDEGRAVE,

Registrar.

Alphabetical List of Applicants for Letters Patent for Quarter ending 30th June, 1902.

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.

Name, Address, and Invention.	Application.		Gazette.	
	No.	Date.	No.	Date.
Ainsworth, J., Bolivia, N.S.W. (See A. M. White, No. 14827.)				
Allgemeine Beleuchtungs und Heiz-Industrie Actien-Gesellschaft, Berlin, Germany. Incandescent gas-lamp. (P. Lucas)	14759	17 April ..	34	1 May.
Allinson, J. T., and another, Warragul, Vic. Puttie-logging ..	14788	24 April ..	38	15 May.
Allison, J., and others, Wanganui, N.Z. Tobacco-pipe ..	14774	19 April ..	38	15 May.*
Allnutt, G. T., and another, Cheltenham, Vic. Butter-cutting machine	14980	10 June ..	50	27 June.
American Mineral-water Machine Company, New York, U.S.A. Making aerated beverages. (P. E. Malmstrom)	14804	29 April ..	41	29 May.
Amesbury, D. E., Feilding, N.Z. Caster ..	14691	1 April ..	30	17 April.*
Andersen, C. A. E., Valby, Denmark. Centrifugal separator ..	14775	18 April ..	38	15 May.
Anderson, J. H., London, Eng. Golf-practice apparatus ..	14706	3 April ..	30	17 April.
Andrewartha, J., and another, Moonta, S.A. ..	14746	14 April ..	38	15 May.
Andrewartha, J., and another, Moonta, S.A. ..	14746	14 April ..	38	15 May.
Andrews, W., Christchurch, N.Z. Bag-gripping apparatus ..	14801	28 April ..	38	15 May.
Archer, J., Manchester, Eng. Variable gear for motors ..	14916	21 May ..	45	12 June.
Arlidge, W. B., Wellington, N.Z. Feeding flax to a scutcher ..	14923	26 May ..	50	27 June.*
Armour, J. M., Dunedin, N.Z. Chair and step-ladder ..	15067	28 June ..	57	10 July.*
Aston, V. S., Gisborne, N.Z. Extracting gum from fibre ..	14718	4 April ..	30	17 April.*
Auldjo, L. C., Sydney, N.S.W. Air or gas compressor ..	14753	17 April ..	38	15 May.
Aussel, F. H., Wellington, N.Z. Under-frame of vehicle ..	14780	22 April ..	38	15 May.
Aussel, F. H., Wellington, N.Z. Leg-holder for cows ..	14826	3 May ..	38	15 May.
Aussel, F. H., Wellington, N.Z. Transporting milk ..	14981	10 June ..	50	27 June.
Austin, J., Petone, N.Z. Means for locking nuts ..	14969	6 June ..	50	27 June.*
Austin, J. J., Auckland, N.Z. Woven-wire mattress ..	14679	1 April ..	30	17 April.
Australian Manufacturing and Importing Company, Christchurch, N.Z. Standard for ping-pong. (J. Clegg)	14725	8 April ..	34	1 May.
Ayson, W. S., Wyndham, N.Z. Washing-board ..	14970	7 June ..	45	12 June.
Babcock and Wilcox, London, Eng. (See J. Chambers and Son, Limited, Nos. 14671, 14672.)				
Ballinger, W. H., Wellington, N.Z. Spouting-bracket ..	13778	4 July, 1901	30	17 Apr.
Band, A. S., Sydney, N.S.W. Clip for securing wires of fences ..	15013	19 June ..	57	10 July.
Baltzer, W. J., Sydney, N.S.W. Reinforcement of plastic material ..	14900	22 May ..	41	29 May.
Band, H. F., Sydney, N.S.W. Farm and stock gate ..	14990	12 June ..	50	27 June.
Bardwell, A. F., Springfield, U.S.A. (See F. A. Bardwell, No. 14791.)				
Bardwell, F. A., Boston, U.S.A. Voting-machine. (A. F. Bardwell)	14791	24 April ..	38	15 May.
Bamberg, G., London, Eng. Detergents ..	15045	27 June ..	57	10 July.
Baron Cigarette Machine Company, Limited, London, Eng. (See W. E. Hughes, No. 14733.)				
Baron, L. B., and another, London, Eng. (See Baron Cigarette-machine Company, Limited, No. 14733.)				
Baron, L. B., London, Eng. Manufacturing cigarettes ..	14811	1 May ..	41	29 May.
Bary, De. (See under D.)				
Beal, L. O., Dunedin, N.Z. Range-finding and sighting appliance..	14787	19 April ..	38	15 May.
Bedford, R. H., Auckland, N.Z. Fire-alarm ..	15017	17 June ..	57	10 July.*
Bell, H. R., Lyttelton, N.Z. Bottle and stopper ..	14743	15 April ..	34	1 May.*
Berry, G. W., Melbourne, Vic. Soldering seams of can-bodies ..	14933	29 May ..	45	12 June.
Bertinshaw, G. J., Wellington, N.Z. Ratchet nut-lock ..	15055	30 June ..	57	10 July.*
Best, J. F., and another, Christchurch, N.Z. Cycle-driving mechanism	14799	26 April ..	38	15 May.*
Bigelow, G. H., Auckland, N.Z. Hairpin ..	14818	28 April ..	38	15 May.*
Bigelow, G. H., Auckland, N.Z. Buttonholes ..	14844	1 May ..	38	15 May.*
Bigelow, G. H., Auckland, N.Z. Nut-locks ..	14845	1 May ..	38	15 May.*
Billin, C. E., Chicago, U.S.A. Stamp-mill. (W. S. McKinney)	14728	10 April ..	34	1 May.
Bills, C., Dunedin, N.Z. Bottle-holder ..	15020	17 June ..	57	10 July.*
Bills, C., Dunedin, N.Z. Device for picking up balls ..	15058	27 June ..	57	10 July.*
Bizet, L. J., Paris, France. Receptacles for liquids under pressure	15043	27 June ..	57	10 July.*
Bonnington, F., Tinwald, N.Z. Damper-regulator ..	15025	23 June ..	57	10 July.*
Borlase, W., and another, Dunedin, N.Z. Spring-hook ..	14998	9 June ..	50	27 June.*
Borlase, W., and another, Dunedin, N.Z. Wrench ..	14999	9 June ..	50	27 June.*
Borlase, W., Dunedin, N.Z. Wire-strainer ..	14443	15 Jan. ..	41	29 May.*
Borlase, W., Dunedin, N.Z. Wire-tightener ..	14876	10 May ..	41	29 May.*
Borlase, W., Dunedin, N.Z. Hat-fastener ..	14967	4 June ..	45	12 June.*
Born, A., Glasgow, Scotland. Removing oil, &c., from wool, &c. ..	14989	12 June ..	50	27 June.*
Bowman, O., and others, Perth, W.A. Cleaning grooves of tram-rails	14863	9 May ..	..	..
Boyd, K., Parnell, N.Z. Fire-escape ..	13853	24 July, 1901 ..	45	12 June.
Brent, C. D., Cromwell, N.Z. Boot-fastening ..	15018	20 June ..	57	10 July.*
Briant, L., and another, London, Eng. (See the Conversion Company (Billings' Machinery and Process, Limited, No. 14720.)				

ALPHABETICAL LIST OF APPLICANTS FOR LETTERS PATENT—continued.

Name, Address, and Invention.	Application.		Gazette.	
	No.	Date.	No.	Date.
Bridgman, A. O., Dunedin, N.Z. Mat-fastener	14822	30 April ..	41	29 May.*
Briggs, C. A., Wellington, N.Z. Fire-escape	14208	11 Nov., 1901 ..	45	12 June.
Bristow, C., Addington, N.Z. Stretching trousers	14805	29 April ..	38	15 May.*
Brodie, P. S., Invercargill, N.Z. Horse-cover fastening	14896	16 May ..	..	..
Brown, F. C., and another, Komata, N.Z. Vessel for treating ores	14883	12 May ..	41	29 May.
Brown, J. H. S., Pahiatua, N.Z. Siphon	14838	5 May ..	38	15 May.*
Brown, T. H., and another, Wellington, N.Z. Branding-fluid	14694	3 April ..	30	17 April.*
Brownley, A. H., Onehunga, N.Z. Hanging pictures	14878	15 May ..	41	29 May.*
Brownley, A. H., and another, Onehunga, N.Z. Securing buttons to garments	14856	8 May ..	41	29 May.*
Buckingham, W., Sydney, N.S.W. Annular chamber type of rotary engine	15044	27 June ..	57	10 July.
Buckland, A., Auckland, N.Z. Door-fastener	14737	9 April ..	41	29 May.*
Buckley, F. D., and another, Auckland, N.Z. Packing tea, &c.	13963	30 Aug., 1901 ..	38	15 May.
Buff, H. W., Säge, Switzerland. Coverings for the feet	14735	9 April ..	67	21 Aug.
Burns, J., Christchurch, N.Z. Standard for table-tennis	14915	23 May ..	41	29 May.*
Burpee, F. W., and another, Vancouver, B.C., Canada. (See H. Peck, No. 14762, 14763, 14764.)				
Butler, A., Taralga, N.S.W. Fly-trap	15015	19 June ..	57	10 July.*
Cahoone, E. R., Newark, U.S.A. Stoves	14956	5 June ..	45	12 June.
Caldwell, R., Auckland, N.Z. Flap attachment to wheels of vehicles	14941	28 May ..	45	12 June.*
Cameron, E. A., Queenstown, N.Z. Spark-arrester	15019	16 June ..	57	10 July.*
Campbell, J., Newton, U.S.A. Barge for handling coal	14798	24 April ..	41	29 May.
Campbell, J. P., Wellington, N.Z. Brake-shoe. (E. M. Herr)	14887	20 May ..	41	29 May.
Carrington, G., Tomoana, H.B., N.Z. Cutting bacon into slices	14701	2 April ..	30	17 April.*
Carrington, G., Tomoana, N.Z. Bacon-slicer	15012	18 June ..	57	10 July.*
Cassel, H. R., London, Eng. Extracting precious metals	14814	1 May ..	38	15 May.*
Chambers, J., and Son, Limited, Auckland, N.Z. Chain grate-stoker. (Babcock and Wilcox—G. W. Thode)	14671	25 Mar. ..	50	27 June.
Chambers, J., and Son, Limited, Auckland, N.Z. Chain grate-stoker. (Babcock and Wilcox—G. W. Thode)	14672	25 Mar. ..	50	27 June.
Chambers, R., New Plymouth, N.Z. Cooling and aerating milk	14885	19 May ..	41	29 May.*
Chambers, R., New Plymouth, N.Z. Friction hoist	13585	8 May, 1901 ..	38	15 May.
Chapman, W., London, Eng. (See J. T. Hunter, No. 14879.)				
Charlier, A. C. J., Glasgow, Scotland. Manufacture of lead pigments	14862	9 May ..	41	29 May.
Clarke, S., and another, Wyndham, N.Z. Securing pins, shanks, &c.	13937	27 Aug., 1901 ..	38	15 May.
Cleaydon, G., Christchurch, N.Z. Supplying steam to furnaces	15061	30 June ..	57	10 July.*
Clegg, J., Christchurch, N.Z. (See The Australian Manufacturing and Importing Company, No. 14725.)				
Clegg, J., Christchurch, N.Z. Umbrella	14802	28 April ..	38	15 May.*
Coleman, W. E., New York, U.S.A. Electric fans	14903	23 May ..	41	29 May.
Collins, J. J., and another, Christchurch, N.Z. Making stonework impervious to water	14930	29 May ..	45	12 June.*
Conversion Company (Billing's Machinery and Process), Limited, The, London, England. Manufacture of beer. (L. Briant and H. C. Rigaud)	14270	8 April ..	30	17 April.
Cook, J., Wellington, N.Z. Operating valves of cisterns	14880	15 May ..	41	29 May.*
Cooper, A., Wellington, N.Z. Wheel-lock	14920	26 May ..	41	29 May.*
Cooze, C. J., Carterton, N.Z. Lock-nut	14699	3 April ..	45	12 June.
Cooze, C. J., Carterton, N.Z. Fire-escape	14700	3 April ..	30	17 April.*
Corbett, J. C., Auckland, N.Z. Decorating picture-frames	14806	28 April ..	30	17 April.*
Corrington, M., New York, U.S.A. Fluid-pressure brake	14226	14 Nov., 1901 ..	41	29 May.*
Corrington, M., and another, New York, U.S.A. Pneumatic railway-signalling	14618	13 Mar. ..	45	12 June.
Cotton, A. H., Omanaia, N.Z. Mustard-pot	14871	10 May ..	41	29 May.
Cottrell and Sons Company, C. B., New York, U.S.A. (See E. Waters, jun., No. 14807.)				
Coucill, A., Sydney, N.S.W. Merry-go-round	14869	7 May ..	41	29 May.*
Couston, J., and another, Perth, W.A. Joining iron plates	14587	6 Mar. ..	34	1 May.
Cowper-Coles, S., and Co., Limited, London, Eng. Deposition of metals. (S. Cowper-Coles)	14832	1 May ..	41	29 May.
Cowper-Coles, S. (See Cowper-Coles and Co., Limited, No. 14832.)				
Coxhead, A. V., and another, Sydenham, N.Z. Toasting appliance	14742	14 April ..	34	1 May.*
Craig, W., Auckland, N.Z. Ventilator	14875	10 May ..	41	29 May.*
Crook, J., Auckland, N.Z. Production of air-gas	14846	3 May ..	38	15 May.
Cruikshank, C. M., Gore, N.Z. Tap for water-tanks	14946	29 May ..	50	27 June.*
Cull, J. E. L., and another, Greymouth, N.Z. Removing tailings	13756	26 June, 1901 ..	38	15 May.
Dahl, C., Palmerston N., N.Z. Butter-mould. (G. Shailer)	15035	24 June ..	60	24 July.
Dahlqvist, J. A., and another, Stockholm, Sweden. Separating fatty substances from emulsions	15038	27 June ..	57	10 July.
Daily, J. J., Christchurch, N.Z. Non-puncturable lining for tires	14291	29 Nov., 1901 ..	50	27 June.
Dale, G. F., Christchurch, N.Z. Scoring apparatus for ping-pong, &c.	14945	31 May ..	45	12 June.*
Dale, G. F., Christchurch, N.Z. Date and score indicator	15009	16 June ..	50	27 June.*
Darrell, G., Melbourne, Vic. Advertising	15049	27 June ..	57	10 July.*
Dawson, W., Auckland, N.Z. Remedy for cuts, &c.	14771	16 April ..	34	1 May.*
De Bary, A. T., Buenos Aires, Argentine Republic. Rod for wire-fencing	14730	10 April ..	34	1 May.
De Montalk, R. W., Auckland, N.Z. Constructing fire-proof floors and ceilings	14752	17 April ..	34	1 May.
Dewar, J. L., and another, Bristol, Eng. Treating beer for bottling	14833	1 May ..	41	29 May.

ALPHABETICAL LIST OF APPLICANTS FOR LETTERS PATENT—continued.

Name, Address, and Invention.	Application.		Gazette.	
	No.	Date.	No.	Date.
Dibdin, W. J., and another, London, Eng. Manufacturing gas ..	14957	5 June ..	45	12 June.
Dodgson, F. L., and another, New York, U.S.A. Pneumatic railway-signalling	14618	13 Mar. ..	45	12 June.
Donald, D., Masterton, N.Z. Golf-bag ..	14835	5 May ..	38	15 May.*
Droullege, H., Auckland, N.Z. Registering and recording machine ..	14772	17 April ..	34	1 May.
Drummond, D., Sarbiton, Eng. Spark-arrester ..	14247	21 Nov., 1901..	41	29 May.
Duck, G. D. J., and others, Marton, N.Z. Sprayer ..	14707	5 April ..	34	1 May.
Duncan, P. and D., Limited, Christchurch, N.Z. Agricultural drill or sower	14296	29 Nov., 1901..	41	29 May.
Dunn, J., Otamita, N.Z. Root cutter and slicer ..	13845	25 July, 1901..	38	15 May.
Elliot's Patent Look Envelope Company, Limited, Sydney, N.S.W. Stationery envelope. (R. N. Elliott)	14981	29 May ..	45	12 June.
Elliot's Patent Improved Domestic Pin Company, Limited, Sydney, N.S.W. Pin. (R. N. Elliott)	14589	6 Mar. ..	38	15 May.
Elliot, R. N., Lindfield, N.S.W. (See Elliot's Patent Look Envelope Company, Limited, No. 14931.)				
Elliot, R. N., Lindfield, N.S.W. (See Elliot's Patent Improved Domestic Pin Company, Limited, No. 14589.)				
Ellis, J., Warragul, Vic. Butter-box ..	14985	7 June ..	50	27 June.*
Ellison, T. R., Wellington, N.Z. Cycle parcel-carrier ..	14779	22 April ..	38	15 May.
Elmore, A. S., London, Eng. Separating minerals ..	14518	13 Feb. ..	34	1 May.
Escher, H. G., Wellington, N.Z. Fire-escape ..	14709	7 April ..	30	17 April.*
Espie, A. J., Dunedin, N.Z. Animal-trap ..	14767	15 April ..	41	29 May.
Evans, F. P., and another, Wellington, N.Z. Removing coal from ships' holds	14861	9 May ..	41	29 May.*
Evans, J. P., Opotiki, N.Z. O.G. spouting ..	14942	24 May ..	57	10 July.*
Evans, W. J., and another, Montana, U.S.A. Roasting-furnace ..	14888	20 May ..	41	29 May.
Fahey, W. H., and another, Caversham, N.Z. Hair and hat pin ..	14828	2 May ..	38	15 May.*
Farquhar, J. F. C., Vauchise, Sydney, N.S.W. Oil-lamp ..	14688	1 April ..	30	17 April.*
Federal Refining Company, Jersey City, U.S.A. Treating sugar. (C. A. Spreckels and C. A. Kern)	14739	11 April ..	34	1 May.
Ferrel, J. L., Philadelphia, U.S.A. Wood-preserving ..	14726	7 April ..	34	1 May.
Ferrel, J. L., Philadelphia, U.S.A. Wood-preserving ..	14792	24 April ..	38	15 May.
Ferrier, J., Geelong, Vic. (See The Victorian Forage Pressing Company Proprietary, Limited, No. 14991.)				
Finlay, F., and another, Newtown, N.S.W. Checking-marker for games	14820	2 May ..	38	15 May.
Fisher, D. P., and others, Wellington, N.Z. Ventilating halls ..	14952	4 June ..	45	12 June.*
Floyed, A. G., Gladstone, Tasmania. Apparatus for playing games	14864	9 May ..	41	29 May.
Ford, J., and another, Cromwell, N.Z. Perambulator ..	14870	9 May ..	41	29 May.*
Forno, C. C., Dunedin, N.Z. Rabbit-trap ..	14794	22 April ..	38	15 May.*
French, A. C. S., and another, Mitchelltown, N.Z. Washing and dressing flax	14872	13 May ..	41	29 May.*
Friend, J. E., Gore, N.Z. Dredge-digger ..	14724	9 April ..	34	1 May.
Frost, J. E. A., Albany, N.Z. Spindle attachment for door-knob ..	14927	23 May ..	45	13 June.*
Galbraith, D. R. S., Remuera, N.Z. Treating iron oxides ..	14769	16 April ..	34	1 May.*
Garnham, R., Wellington, N.Z. Non-refillable bottle ..	14750	17 April ..	34	1 May.*
Gaudet, F. M., Quebec, Canada. (See A. C. Whitney, No. 15029.)				
Geary, W. G., Weraoa, N.Z. Martingale ..	14943	31 May ..	45	12 June.*
Gibbons, R. P., Kopu, Thames, N.Z. High-pressure gauge-glass for steam-boiler	14770	14 April ..	34	1 May.*
Gibson, R. A., and another, Wellington, N.Z. Cleaning cycle tires..	14877	15 May ..	41	29 May.*
Giesler, W., and another, Dunedin, N.Z. Combination tool ..	14786	21 April ..	..	..
Gilby, C. H., and another, Christchurch, N.Z. Siphon ..	13959	31 Aug., 1901..	38	15 May.
Gilfedder, T. J., and another, Gore, N.Z. Ferrule for tobacco-pipe, &c.	14840	5 May ..	38	15 May.*
Good, J. T., Glenthompsonshire, Vic. Rabbit-trap ..	14747	14 April ..	..	..
Gordon, W. H., Ballarat, Vic. Hub for fastening machinery to a shaft	14761	17 April ..	45	12 June.
Graham, C. J. A., and another, Waihi, N.Z. Fire-grate ..	14971	7 June ..	45	12 June.*
Grass, H., Flowerdale, Vic. Dropper for pasty material ..	14758	17 April ..	34	1 May.
Grattan, J. H., Avondale, N.Z. Saw stripper and regulator ..	14873	8 May ..	41	29 May.
Grattan, J. H., Avondale, N.Z. Gear for controlling horses ..	14874	8 May ..	41	29 May.*
Greenacre, J., Huntley, N.Z. Machine for sawing logs ..	14514	11 Feb. ..	50	20 June.
Greenhead, C. H., Waiuku, N.Z. Alarm-attachment for doors, &c.	14973	7 June ..	45	12 June.*
Grey, E. H., Morrinsville, N.Z. Road-plough ..	14738	12 April ..	38	15 May.*
Grinlinton, H. G., Devonport, N.Z. Propulsion of cycles ..	14972	7 June ..	45	12 June.*
Gubbins, G., and another, South Dunedin, N.Z. Bicycle-support ..	14893	16 May ..	45	12 June.*
Gubbins, T., and another, South Dunedin, N.Z. Bicycle-support ..	14893	16 May ..	45	12 June.*
Gunn, H., Auckland, N.Z. Spark-stopper ..	14859	6 May ..	41	29 May.*
Hagerty, J., and others, Winton, N.Z. Operating pumps ..	13944	28 Aug., 1901..	45	12 June.
Hagerty, W., and others, Winton, N.Z. Operating pumps ..	13944	28 Aug., 1901..	45	12 June.
Haines, C. W., Auckland, N.Z. Spark-extinguisher ..	14857	8 May ..	41	29 May.*
Hankin, H. G., Reefton, N.Z. Grading auriferous spoil ..	14907	23 May ..	..	..
Harman, R. D., and another, Christchurch, N.Z. Making stone-work impervious to water	14930	29 May ..	45	12 June.*
Harrington, J., Linwood, N.Z. Charging locomotive tender with water	13915	19 Aug., 1901..	38	15 May.
Harris, R. D., Sevensisters, Wales, Eng. Hat-grip ..	14695	3 April ..	..	..
Harrison, I., Wellington, N.Z. Filtering and drawing off contents of beer-barrels	13808	10 July, 1901..	34	1 May.

ALPHABETICAL LIST OF APPLICANTS FOR LETTERS PATENT—continued.

Name, Address, and Invention.	Application.		Gazette.	
	No.	Date.	No.	Date.
Harrow, J. A., and another, Christchurch, N.Z. Siphon ..	13959	31 Aug., 1901 ..	38	15 May.
Harwood, D. W., and another, Perth, W.A. Spark-arrester ..	14385	30 Dec., 1901 ..	41	29 May.
Harwood, S. C., and another, Midland Junction, W.A. Spark-arrester ..	14385	30 Dec., 1901 ..	41	29 May.
Haselden, F. H., and another, Hunterville, N.Z. Rat-trap ..	15031	23 June ..	57	10 July.*
Hawke, T., Auckland, N.Z. Under-attachment to horse-cover ..	13910	13 Aug., 1901 ..	41	29 May.
Hayne, J. R., Dunedin, N.Z. Pneumatic hub for vehicle-wheel ..	14850	3 May ..	38	15 May.*
Hayward, B. I., and another, Wellington, N.Z. Cleaning cycle-tires ..	14877	15 May, ..	41	29 May.*
Hebblewhite, C. J., and another, Sydney, N.S.W. Checking-marker for games ..	14820	2 May ..	38	15 May.
Henderson, J. S., and another, Ramorine, N.Z. Catch for door ..	14751	17 April ..	34	1 May.*
Henderson, H. H., Wellington, N.Z. Cleaning walls, floors, &c. ..	14955	5 June ..	45	12 June.*
Henry, C., and another, Dunedin, N.Z. Combination tool ..	14786	21 April ..	..	..
Herbert, T., Auckland, N.Z. Ping-pong bat ..	15032	19 June ..	57	10 July.*
Herr, E. M., Pittsburg, U.S.A. (See J. P. Campbell, No. 14887.)				
Himalaya, M. A. G., Boulogne-sur-Seine, France. Utilising heat of sun ..	14082	3 Oct., 1901 ..	50	27 June.
Hinchoy, W., and others, Winton, N.Z. Operating pumps ..	13944	28 Aug., 1901 ..	45	12 June.
Hodge, A., and another, Oamaru, N.Z. Horse-cover ..	14966	2 June ..	50	27 June.*
Holden, T., Hunterville, N.Z. Securing droppers to wire ..	13890	19 Aug., 1901 ..	45	12 June.
Holland, S. J., Auckland, N.Z. Holding carriage-lamp in position ..	14797	26 April ..	38	15 May.*
Holland, R., Flemington, N.Z. Elevator chain ..	15024	23 June ..	67	21 Aug.*
Holm, C. L., and another, Stockholm, Sweden. Separating fatty substances from emulsions ..	15038	27 June ..	57	10 July.
Holmes, A., and others, Kensington, Vic. Bedstead ..	14689	3 April ..	30	17 April.
Holmes, C., and others, Kensington, Vic. Bedstead ..	14689	3 April ..	30	17 April.
Holmes, J. S., Carlton, Vic. Counter-check or sales-book ..	13826	18 July, 1901 ..	57	10 July.
Holmes, S., and others, Kensington, Vic. Bedstead ..	14689	3 April ..	30	17 April.
Hoppe, P., Berlin, Germany. Closing bulkhead-doors ..	15039	27 June ..	57	10 July.
Hornbrook, R. H., and another, Canton, U.S.A. (See A. J. Park, Nos. 14986, 14987, 14988.)				
Hosking, E., and another, Mount Gambier, S.A. Spark-arrester ..	14958	5 June ..	45	12 June.*
Hucks, W., jun., London, Eng. Dispensing aerated liquids ..	14917	21 May ..	45	12 June.*
Hughes, T. W., Kaikoura, N.Z. Utilising waste heat from stoves, &c. ..	13774	1 July, 1901 ..	57	10 July.
Hughes, W. E., Wellington, N.Z. Cigarette-packing machine. (Baron Cigarette Machine Company, Limited—L. B. Barron and E. T. Pollard)	14733	10 April ..	34	1 May.
Hughes, W. E., Wellington, N.Z. Mechanical cashier. (The Mechanical Cashier Syndicate, Limited)	14809	1 May ..	..	..
Hume, E. J., and another, Malmesbury, Vic. Harrow ..	14816	1 May ..	38	15 May.
Hume, E. J., and another, Malmesbury, Vic. Wire fence ..	14817	1 May ..	38	15 May.
Hume, W. R., and another, Malmesbury, Vic. Harrow ..	14816	1 May ..	38	15 May.
Hume, W. R., and another, Malmesbury, Vic. Wire fence ..	14817	1 May ..	38	15 May.
Humm, M. L., Waddington, N.Z. Fastening-device for dress collars ..	14968	5 June ..	45	12 June.*
Humm, M. L., Waddington, N.Z. Apparatus for table-billiards and table-croquet ..	14974	9 June ..	50	27 June.*
Hunter, J. T., Wellington, N.Z. Controller for electric motor. (T. S. Perkins)	14790	24 April ..	38	15 May.
Hunter, J. T., Wellington, N.Z. Track-construction for electric railway. (W. Chapman)	14879	15 May ..	41	29 May.
Hutcheson, W. S., Wellington, N.Z. Snatch block ..	14800	28 April ..	38	15 May.*
Hutchinson, G. F., and another, Taranaki, N.Z. Kerosene-siphon ..	14951	4 June ..	45	12 June.
Hutchins, S., Blenheim, N.Z. Skirt ..	14892	21 May ..	41	29 May.
Hutchinson, R., and another, Wellington, N.Z. Fire alarm and escape ..	14889	20 May ..	41	29 May.*
Iggo, R. H., Dunedin, N.Z. Garment-suspenders ..	14834	1 May ..	38	15 May.*
Inglis, H. M., Cheviot, N.Z. Index file or clip ..	14936	28 May ..	45	12 June.*
Irvine, J., Napier, N.Z. Fastener for wire rods ..	14745	14 April ..	38	15 May.*
Imray, O., London, Eng. Electro-magnetic couplings. (J. H. S. Onken)	14992	12 June ..	50	27 June.
Jackson, N. E., and another, Wellington, N.Z. Target ..	14914	24 May ..	41	29 May.*
Jackson, K. C., and another, Wellington, N.Z. Target ..	14914	24 May ..	41	29 May.*
Jacobsen, T. B., and another, Auckland, N.Z. Securing buttons to garments ..	14856	8 May ..	41	29 May.*
Jacobsen, T. B., Auckland, N.Z. Securing door-knob to spindle ..	14851	6 May ..	38	15 May.*
Jaubert, L., Bulli, N.S.W. Brick ..	14898	22 May ..	57	10 July.
Jensen, N. F., and another, South Melbourne, Vic. Hub-brake for cycles, &c. ..	13970	5 Sept., 1901 ..	45	12 June.
Johnson, F. M. (See E. Waters, jun., No. 14984.)				
Johnston, C. S., and another, Lyttelton, N.Z. Non-refillable bottle ..	15053	27 June ..	57	10 July.*
Jones, A. W., and another, Auckland, N.Z. Picture-frame ..	14696	1 April ..	30	17 April.*
Jones, F. A., and others, Perth, W.A. Cleaning grooves of tram-rails ..	14863	9 May ..	..	..
Jones, H. J., Stratford, N.Z. Liquid seal-cover ..	14749	17 April ..	34	1 May.*
Jones, J. W., Sumner, N.Z. Table-rackets ..	13936	27 Aug., 1901 ..	45	12 June.
Jones, R. W., Invercargill, N.Z. Knife-cleaner ..	13659	30 May, 1901 ..	34	1 May.
Jones, W., and another, Oamaru, N.Z. Horse-cover ..	14966	2 June ..	50	27 June.*
Keller, C. A., Paris, France. Electric blast-furnace ..	14729	10 April ..	34	1 May.
Kelly, J. D., and others, Wellington, N.Z. Ventilating halls ..	14952	4 June ..	45	12 June.*
Kennedy, M., Timaru, N.Z. Washing-fluid ..	14954	4 June ..	50	27 June.
Kern, C. A., and another, New York, U.S.A. (See Federal Refining Company, No. 14739.)				
Ketteg, F., Otautau, N.Z. Securing cover to horse ..	14708	4 April ..	30	17 April.*
Keyte, R., Whangarei, N.Z. Fire-escape ..	14010	17 Sept., 1901 ..	50	27 June.

ALPHABETICAL LIST OF APPLICANTS FOR LETTERS PATENT—continued.

Name, Address, and Invention.	Application.		Gazette.	
	No.	Date.	No.	Date.
Kiernan, C. T., and another, Invercargill, N.Z. Rabbit-crate ..	14778	17 April ..	38	15 May.*
King, F. J., Croydon, England. Ore-separator ..	14810	1 May ..	41	29 May.
Kingsland, W., London, England. Communicating step-by-step motion to control electric switches ..	14993	12 June ..	50	27 June.
Kirkpatrick, J. S., Pukeuri Junction, N.Z. Locking and signalling at facing-points ..	14995	9 June ..	50	27 June.
Kidd, C. C., Spring Hills, Southland, N.Z. Ditch plough ..	15052	25 June ..	60	24 July.
Klepetchko, F., and another, Montana, U.S.A. Roasting-furnace ..	14888	20 May ..	41	29 May.
Kyle, T. D., Sydney, N.S.W. Combustion of fuel in boiler-furnace ..	14693	3 April ..	45	12 June.
Laidlaw, R. A. C., Dunedin, N.Z. Cycle-driving mechanism ..	14760	15 April ..	38	15 May.*
Lake, W. E., and another, Cheltenham, Vic. Butter-cutting machine ..	14980	10 June ..	50	27 June.
Land, W. A., Canterbury, N.Z. Seed-sower ..	15007	16 June ..	50	27 June.
Langstone, C. W., and another, Wellington, N.Z. Preservative ..	14781	22 April ..	38	15 May.*
Lanigan, P., Auckland, N.Z. Stone-cutter ..	14925	22 May ..	45	12 June.
Leahy, J. J., and another, Adelaide, S.A. Transferring belt from one pulley to another ..	18796	6 July, 1901 ..	34	1 May.
Lee, C. G., Whitianga, N.Z. Guttering for buildings ..	14910	21 May ..	50	27 June.*
Legge, A. M., Wellington, N.Z. Safety catch for brooch-pin ..	14912	24 May ..	41	29 May.*
Letson, J. M. K., and another, Vancouver, B.C., Canada. (See H. Peck, Nos. 14762, 14763, and 14764.) ..	14908	23 May ..	41	29 May.*
Lister, M. J., Waikari, N.Z. Target ..	14950	30 May ..	45	12 June.
Lobnitz, F., Renfrew, Scotland. Rock-cutting apparatus ..	15054	27 June ..	57	10 July.*
Longdin, G. H., Christchurch, N.Z. Buckle for mail-bags ..	15050	24 June ..	57	10 July.*
Lorie, A. F. W., Dunedin, N.Z. Sash-fastener ..	14821	2 May ..	41	29 May.
Louat, P. C., Sydney, N.S.W. Generating steam ..	14928	24 May ..	60	24 July.*
Lovegrove, H. W., Glen-iti, N.Z. Stand for buckets ..	14908	23 May ..	41	29 May.*
Lucas, P., Schoneberg, Germany. (See Allgemeine Beleuchtungs- und Heiz-Industrie Actien-Gesellschaft, No. 14759.) ..	15056	30 June ..	57	10 July.*
Luxford, W. L., Dannevirke, N.Z. Traction on wooden rails ..	14744	15 April ..	38	15 May.*
Lyell, A., Palmerston North, N.Z. Race-starting gate ..	14960	6 June ..	45	12 June.*
Lyell, A., Palmerston North, N.Z. Filter and butter-cooler ..	14961	6 June ..	45	12 June.*
Lyell, A., Palmerston North, N.Z. Candlestick, match-box, and striker combined ..	14962	6 June ..	45	12 June.*
Lyell, A., Palmerston North, N.Z. Portable race-starting gate ..	14963	6 June ..	45	12 June.*
Lyell, A., Palmerston North, N.Z. Egg-cup ..	14964	6 June ..	45	12 June.*
Lyell, A., Palmerston North, N.Z. Butter-dish ..	14704	2 April ..	30	17 April.*
Macalister, J., Invercargill, N.Z. Seed-sower ..	14705	2 April ..	30	17 April.*
Macalister, J., Invercargill, N.Z. Seed-sower ..	14495	1 Feb. ..	38	15 May.
Macalister, J., Invercargill, N.Z. Seed-sower ..	14824	30 April ..	38	15 May.*
Macalister, J., Invercargill, N.Z. Grain, turnip, and manure drill ..	14977	31 May ..	50	27 June.*
Macalister, J., Invercargill, N.Z. Seed-sower ..	14843	2 May ..	38	15 May.*
Macky, J. J., Auckland, N.Z. Button-holes ..	14768	16 April ..	38	15 May.
Mahon, A. E., and another, Montreal, Canada. Engine ..	14848	6 May ..	38	15 May.
Mairdonaud, F. J., Waimate, N.Z. Vaporising water ..	14804	(See American Mineral-water Machine Company, No. 14804.) ..		
Malmstrom, P. E., New York, U.S.A. (See American Mineral-water Machine Company, No. 14804.) ..	14756	17 April ..	34	1 May.*
March, N., and another, Wellington, N.Z. Carriage-lamp ..	14782	22 April ..	38	15 May.*
Mason, A. J., and another, Wellington, N.Z. Non-refillable bottle ..	14782	22 April ..	38	15 May.*
Mason, W. E., and another, Wellington, N.Z. Non-refillable bottle ..	14913	24 May ..	45	12 June.*
Matthews, F., Wellington, N.Z. Preventing horses running away with vehicles ..	14953	4 June ..	45	12 June.*
Matthews, F., Wellington, N.Z. Horse-stopper and wheel-lock ..	14932	29 May ..	45	12 June.*
May, H., and another, Meningie, S.A. Sheepshears ..	15008	16 June ..	..	..
Mayo, B. F., Salem, U.S.A. (See United Shoe Machinery Company, No. 14697.) ..	14727	7 April ..	38	15 May.*
McCarthy, J. W., Wellington, N.Z. Dinner-plate ..	14757	17 April ..	34	1 May.
McCormick, M., Upper Waitohi, N.Z. Seed-sower ..	14861	9 May ..	41	29 May.*
McCracken, A., Greensborough, Vic. Explosive ..	14696	1 April ..	30	17 April.*
McDougall, D., and another, Wellington, N.Z. Removing coal from ships' holds ..	15063	30 June ..	57	10 July.
McFarland, S., and another, Auckland, N.Z. Picture-frame ..	15065	27 June ..	57	10 July.*
McFarlane, A., Upper Hutt, N.Z. Butter and other boxes ..	14894	20 May ..	50	27 June.*
McFeely, R. F., Beverly, U.S.A. (See United Shoe Machinery Company, No. 14698.) ..	14746	14 April ..	38	15 May.*
McIlwraith, Q. A., Kaipara, N.Z. Uncoiling wire ..	14781	22 April ..	38	15 May.*
McIntosh, J., and another, Timaru, N.Z. Brake for vehicle ..	14840	5 May ..	38	15 May.*
McKee, M. A., New York, U.S.A. (See E. Waters, jun., No. 14807.) ..	14746	14 April ..	38	15 May.*
McKay, H. V., Ballarat, Victoria. Seed-drill. (J. and J. Andrewartha) ..	14781	22 April ..	38	15 May.*
McKerrow, J. C., and another, Wellington, N.Z. Preservative ..	14840	5 May ..	38	15 May.*
McKinna, J., and another, Gore, N.Z. Ferrule for tobacco-pipe, &c. ..	14860	9 May ..	60	24 July.*
McKinney, W. S., Chicago, U.S.A. (See C. E. Billin, No. 14728.) ..	14796	25 April ..	41	29 May.*
McLean, W. J., Waihi, N.Z. Pot-stick and washing-tongs ..	14723	8 April ..	30	17 April.*
McLeod, A., Auckland, N.Z. Branding appliance ..	15030	23 June ..	57	10 July.*
McLeod, F., and another, Wellington, N.Z. Non-refillable bottle ..	14883	12 May ..	41	29 May.
McLeod, F., Wellington, N.Z. Non-refillable bottle ..	14935	29 May ..	50	27 June.
McMiken, D., and another, Komata, N.Z. Vessel for treating ores ..	14863	9 May ..	..	..
McMillan, J. L., Ilion, New York. Rotary engine ..	14996	10 June ..	50	27 June.
McMullen, G., and others, Perth, West Australia. Cleaning grooves of tram-rails ..	14567	27 Feb. ..	45	12 June.
McNarry, J., Oamaru, N.Z. Wire-strainer ..				
McNeill, J. F., Melbourne, Vic. Seed-sowing attachment to agricultural machines ..				

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

Name, Address, and Invention.	Application.		Gazette.	
	No.	Date.	No.	Date.
McPhee, J. A., Dunedin, N.Z. Nail-extractor and cutter ..	14997	10 June ..	50	27 June.*
McPhee, J. H. A., Dunedin, N.Z. Separating magnetic materials..	14849	3 May ..	38	15 May.
McPhee, J. H. A., and another, Dunedin, N.Z. Removing tailings	13756	26 June, 1901..	38	15 May.
Mechanical Cashier Syndicate, Limited, London, Eng. (See W. E. Hughes, No. 14809.)				
Mercer, F., and others, Marton, N.Z. Sprayer ..	14707	5 April ..	38	15 May.
Mercer, T., and others, Stratford, N.Z. Sprayer ..	14707	5 April ..	38	15 May.
Messenger, T. W., Quorn, S.A. Ear-trumpet ..	14721	8 April ..	30	17 April.*
Michelli, W. T., Dunedin, N.Z. Window-fastening ..	15010	17 June ..	57	10 July.*
Miller, F. A., Lawrence, N.Z. Knife-cleaner ..	14924	26 May ..	45	12 June.*
Milsom, E., and another, Rangiora, N.Z. Venetian blind ..	14944	31 May ..	45	12 June.*
Milsom, E., and another, Rangiora, N.Z. Securing veil ..	15062	30 June ..	57	10 July.*
Mitchell, A. C., and another, Invercargill, N.Z. Feed-water heater for boiler	14831	2 May ..	41	29 May.
Moate, J. T., Adelaide, South Australia. Advertising ..	14812	1 May ..	60	24 July.*
Montalk, de. (See under D.)				
Moore, J. J., and another, San Francisco, U.S.A. Explosive compound	15048	27 June ..	57	10 July.
Moore, W., and another, Invercargill, N.Z. Rabbit-crate ..	14778	17 April ..	38	15 May.*
Morgan, R. A., and another, Lyttelton, N.Z. Non-refillable bottle	15053	27 June ..	57	10 July.*
Mullay, T. S., and another, Invercargill, N.Z. Marine preserving composition	14881	13 May ..	45	12 June.
Murison, J., Dunedin, N.Z. Sleeve and means of securing same to tumbler-shaft	14683	25 Mar. ..	45	12 June.
Murison, J., and another, Dunedin, N.Z. Securing sleeve on lower tumbler-shaft of bucket-dredge to tumbler	14808	26 April ..	38	15 May.*
Murphy, D., Taumarina, N.Z. Plummer-block ..	14891	19 May ..	41	29 May.*
Murray, A. C., and another, Cromwell, N.Z. Perambulator ..	14870	9 May ..	41	29 May.*
Nathan, N. A., and another, Auckland, N.Z. Packing tea, &c. ..	13963	30 Aug., 1901..	38	15 May.
Neagle, J., Dannevirke, N.Z. Horse-cover fastener ..	14854	7 May ..	41	29 May.*
Nees, H. F., and another, Dunedin, N.Z. Elevating tailings ..	15005	13 June ..	50	27 June.*
Nelson, J., and another, Dunedin, N.Z. Separating black sand in littoral deposits	15003	11 June ..	50	27 June.*
Nernst Electric Light, Limited, London, England. Nernst lamp. (G. S. Ram and E. G. Sheppard)	14732	10 April ..	57	10 July.
Newell, J. C., Palmerston, N.Z. Music-leaf turner ..	13847	25 July, 1901 ..	41	29 May.
Newman, G., Auckland, N.Z. Fire-escape ..	14717	5 April ..	30	17 April.*
Nicolls, A. E., Auckland, N.Z. Waste-converter ..	15033	24 June ..	..	4 Sept.*
Nichol, H., Invercargill, N.Z. Shears ..	14938	26 May ..	45	12 June.*
Nicholas, C. E., Launceston, Tasmania. Table game of cricket ..	14819	2 May ..	38	15 May.
Nicholas, R., Christchurch, N.Z. Windmill mechanism ..	14929	27 May ..	45	12 June.*
Nicol, W., Invercargill, N.Z. Sheep-shears ..	15002	11 June ..	50	27 June.*
Noble, A. H. P., and another, Christchurch, N.Z. Rabbit-extermi-nator	15057	28 June ..	57	10 July.*
North, T. W., Christchurch, N.Z. Securing hat on head ..	13851	23 July, 1901 ..	38	15 May.
O'Connor, E., Westport, N.Z. Trusses, belts, &c. ..	14839	5 May ..	38	15 May.
Onken, J. H. S., Berlin, Germany. (See O. Imray, No. 14992.)				
Osmond, C. H., Dunedin, N.Z. Attaching articles to line ..	14785	2 April ..	38	15 May.*
Oxlade, R., and another, Redfern, N.S.W. Electric telegraphy ..	14731	10 April ..	34	1 May.
Page, C. E., Christchurch, N.Z. Extensible table ..	15006	16 June ..	50	27 June.
Park, A. J., Dunedin, N.Z. Truck for street-cars. (R. H. Hornbrook and W. H. Woodcock)	14986	7 June ..	50	27 June.*
Park, A. J., Dunedin, N.Z. Trucks. (R. H. Hornbrook and W. H. Woodcock)	14987	7 June ..	50	27 June.*
Park, A. J., Dunedin, N.Z. Truck-bolster for street-cars. (R. H. Hornbrook and W. H. Woodcock)	14988	7 June ..	50	27 June.*
Parkin, V., Dunedin, N.Z. Bacon-slicer ..	14837	5 May ..	38	15 May.*
Parsons, C. A., Newcastle-on-Tyne, England. Steam-turbine blades	14905	23 May ..	45	12 June.
Parmiter, A., and another, Adelaide, S.A. Transferring belt from one pulley to another	13796	6 July, 1901 ..	34	1 May.
Parrott, E. J., Christchurch, N.Z. Making lime, artificial stone, &c.	14866	7 May ..	41	29 May.*
Paterson, F. W., Dunedin, N.Z. Road-sweeper ..	14823	30 April ..	38	15 May.*
Patten, P., Christchurch, N.Z. Nail ..	14712	5 April ..	30	17 April.*
Patten, P., Christchurch, N.Z. Filter-trap for sewage ..	14713	5 April ..	30	17 April.*
Patten, P., Christchurch, N.Z. Ridges for roofing ..	14714	5 April ..	30	17 April.*
Payne, W., and another, Orange, N.S.W. Treating copper-ores ..	15014	19 June ..	57	10 July.
Pearson, G. L., Lincoln, Canterbury, N.Z. Boring and well-driving	14904	23 May ..	41	29 May.*
Peck, H., Vancouver, B.C., Canada. Can-washing machine. (J. M. K. Letson and F. W. Burpee)	14762	18 April ..	34	1 May.
Peck, H., Vancouver, B.C., Canada. Can-capping machine. (J. M. K. Letson and F. W. Burpee)	14763	18 April ..	34	1 May.
Peck, H., Vancouver, B.C., Canada. Die for forming can-ends. (J. M. K. Letson and F. W. Burpee)	14764	18 April ..	34	1 May.
Pegler, F., Greymouth, N.Z. Ruler ..	14926	27 May ..	45	12 June.
Pegler, F., Greymouth, N.Z. Blackboard easel ..	14825	29 April ..	38	15 May.*
Pegler, F., Greymouth, N.Z. Laundry iron-heater and support for cooking utensils	14847	28 April ..	38	15 May.*
Percival, G., Narrowmine, N.S.W. Bicycle-crank ..	14562	27 February ..	41	29 May.
Perkins, T. S., Idlewood, U.S.A. (See J. T. Hunter, No. 14790.)				
Perrin, S., Auckland, N.Z. Air and gas carburetter ..	14853	3 May ..	41	29 May.*
Perrin, S., Auckland, N.Z. Air and gas carburetter ..	15034	20 June ..	57	10 July.*
Peterson, C., Dublin, Ireland. Pipe and cigar and cigarette holder	15016	19 June ..	57	10 July.

ALPHABETICAL LIST OF APPLICANTS FOR LETTERS PATENT—continued.

Name, Address, and Invention.	Application.		Gazette.	
	No.	Date.	No.	Date.
Philpott, T. S., and another, Wellington, N.Z. Fire alarm and escape	14889	20 May ..	41	29 May.*
Pierce, G. P., Melbourne, Vic. Calculating-apparatus ..	14865	9 May ..	41	29 May.
Pihl, D., Ohoka, N.Z. Branding meat-bags ..	13621	15 May ..	38	15 May.
Pledger, J. H., Littlebourne, N.Z. Window-sash adjuster	15081	30 June ..	60	24 July.*
Pollard, E. T., and another, Liverpool, Eng. (See W. E. Hughes, No. 14733.)				
Pomeroy, J., Invercargill, N.Z. Sewing-palm ..	15060	27 June ..	57	10 July.*
Pomeroy, J., Invercargill, N.Z. Sewing-thimble ..	15059	27 June ..	57	10 July.*
Pomeroy, J., Invercargill, N.Z. Lacing articles ..	14947	29 May ..	50	27 June.*
Pomeroy, J., Invercargill, N.Z. Sheep-shears ..	14829	2 May ..	38	15 May.*
Pomeroy, J., Invercargill, N.Z. Bowl for cooking-pot ..	14741	9 April ..	34	1 May.*
Pope, J. H., Brockton, U.S.A. (See United Shoe Machinery Company, No. 14789.)				
Porritt, W., and another, Perth, W.A. Joining iron plates ..	14587	6 March ..	34	1 May.
Porter, A. H., and another, Waihi, N.Z. Fire-grate ..	14971	7 June ..	45	12 June.*
Porter, F. H., Wellington, N.Z. Wire-strainer ..	14979	9 June ..	50	27 June.*
Porter, T. R., Wellington, N.Z. Axe-head ..	14959	6 June ..	45	12 June.*
Porter, T. R., Wellington, N.Z. Billiard-cues ..	14982	11 June ..	50	27 June.*
Porter, T. R., Wellington, N.Z. Securing neckties ..	14983	11 June ..	50	27 June.*
Preddy, F. W., Rangiora, N.Z. Window-fastener ..	15026	20 June ..	57	10 July.*
Priest, S., jun., West Devonport, Tasmania. Hub-brake and free wheel	15042	27 June ..	57	10 July.*
Prollius, O., Copenhagen, Denmark. Centrifugal machine ..	14918	21 May ..	63	7 Aug.
Proude, W. J., Wellington, N.Z. Bevelled rebated weatherboard ..	14922	26 May ..	45	12 June.
Pruden, G. E., Christchurch, N.Z. Flooring-cram ..	14948	30 May ..	45	12 June.*
Pulman, G., Drury, N.Z. Textile letter-tracing ..	14909	21 May ..	50	27 June.*
Quinby, W. C., and another, Alameda, U.S.A. Explosive compound	15048	27 June ..	57	10 July.
Ram, G. S., and another, London, Eng. (See Nernst Electric Light, Limited, No. 14732.)				
Ramsay, K. S., Dunedin, N.Z. Stand for ping-pong ..	14795	22 April ..	50	27 June.*
Rankin, A., and others, Perth, W.A. Cleaning grooves of tram-rails	14863	9 May ..	..	..
Rawlinson, T., Inglewood, N.Z. Economizing consumption of fuel	13938	27 Aug., 1901..	50	27 June.
Raymond, K., Invercargill, N.Z. Hat-fastener ..	14994	6 June ..	50	27 June.*
Raymond, K., Invercargill, N.Z. Laces and stay-lacing ..	14976	4 June ..	50	27 June.*
Raymond, K., Invercargill, N.Z. Boot-laces..	14906	19 May ..	41	29 May.*
Rayward, H. H., Dunedin, N.Z. Ping-pong racquet ..	14793	22 April ..	38	15 May.*
Reid, D., jun., and another, Dunedin, N.Z. Separating black sand in littoral deposits	15003	11 June ..	50	27 June.*
Reid, R. S., Timaru, N.Z. Window ..	14867	10 May ..	41	29 May.*
Reynolds, W. H., Clareville, N.Z. Spreader for draught-chains of vehicles	14722	8 April ..	30	17 April.*
Rhodes, G. E., Ellerslie, N.Z. Starting horse-races ..	13967	4 Sept., 1901	45	12 June.
Richardson, E., Hawthorn, Vic. Extracting gold, amalgam, &c. ..	15000	13 June ..	50	27 June.*
Richardson, W. J. W., and another, Petersham, N.S.W. Electric telegraphy	14731	10 April ..	34	1 May.
Rigaud, H. C., and another, London, Eng. (See the Conversion Co. (Billing's Machinery and Process), Limited, No. 14720.)				
Robertson, D., Wellington, N.Z. Mail-marking machine ..	14686	1 April ..	30	17 April.*
Robertson, L. D., Sandymount, N.Z. Spurs ..	14975	5 June ..	50	27 June.*
Robertson, T. S., and another, Sale, Vic. Puttie-legging	14788	24 April ..	38	15 May.
Robinson, C., Auckland, N.Z. Destruction of vermin ..	15046	27 June ..	57	10 July.
Robinson, W., and another, Strathearn, Invercargill, N.Z. Catch for door	14751	17 April ..	34	1 May.*
Rodier, W., Cobar, N.S.W. Rabbit-trap ..	14934	29 May ..	45	12 June.
Rogers, F. E., and another, Mount Gambier, S.A. Spark-arrester ..	14958	5 June ..	45	12 June.*
Rooney, J. W., Dunedin, N.Z. Fire-escape ..	15037	23 June ..	57	10 July.*
Rose Gold Reclamation Company. (See E. Waters, jun., No. 14984.)				
Rose, J., Caversham, N.Z. Trap for liberating pigeons ..	15004	13 June ..	50	27 June.*
Rose, J. F., Takaka, N.Z. Protection for river-banks ..	14484	21 Jan. ..	34	1 May.
Ross, H. I. M., Dunedin, N.Z. Double-current ventilator	14884	14 May ..	41	29 May.*
Ross, N., Halcombe, N.Z. Coupling-hook for chains ..	15011	17 June ..	57	10 July.*
Roussell, J., and another, Wellington, N.Z. Improved fastener ..	14765	18 April ..	38	15 May.*
Roussell, J., and another, Wellington, N.Z. Oiling carriage-axles ..	14766	18 April ..	38	15 May.*
Roussell, J., and another, Wellington, N.Z. Draught-preventer for door	14836	5 May ..	41	29 May.*
Roy, A. F., Dunedin, N.Z. Horse-cover fastening ..	15021	17 June ..	67	21 Aug.*
Russell, P. R., Wellington, N.Z. Shaping and blocking-out leggings	13798	9 July, 1901..	34	1 May.
Russell, T., Sydenham, N.Z. Street-sweeper ..	14921	26 May ..	45	12 June.*
Russell, T. G., and another, Christchurch, N.Z. Rabbit-exterminator	15057	28 June ..	57	10 July.*
Runge, W. C., London, Eng. Sound-trumpets of graphophones ..	15047	27 June ..	57	10 July.
Ryan, F. L., Christchurch, N.Z. Apparatus for ping-pong ..	14949	30 May ..	45	12 June.*
Ryan, F. L., Christchurch, N.Z. Apparatus for table-tennis ..	14937	28 May ..	45	12 June.*
Salinger, J., Auckland, N.Z. Operating air-brakes on trains ..	14748	18 April ..	38	15 May.*
Sanders, R. D., Blackheath, Eng. Electro-deposition of metals ..	14813	1 May ..	38	15 May.*
Saunders, M., Pleasant Point, N.Z. Harvesting appliances	15022	18 June ..	57	10 July.*
Saxton, E., Nelson, N.Z. Cycle gauntlet ..	15028	23 June ..	..	..
Schmitt, E. D., Baltimore, U.S.A. (See Universal Seal and Stopper Company, No. 14690.)				
Schmitt, E. D., Baltimore, U.S.A. (See Universal Seal and Stopper Company, No. 14886.)				
Scoringe, P., and another, Timaru, N.Z. Brake for vehicle ..	14894	20 May ..	50	27 June.*
Scott, J., and another, Dunedin, N.Z. Tailings-elevator ..	15005	13 June ..	50	27 June.*

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

Name, Address, and Invention.	Application.		Gazette.	
	No.	Date.	No.	Date.
Searle, W. E., Oamaru, N.Z. Saddlery-keeper	14777	19 April ..	38	15 May.*
Sellars, G. J., jun., and another, Christchurch, N.Z. Toasting appliance	14742	14 April ..	34	1 May.*
Sellars, W. J., Christchurch, N.Z. Non-refillable bottle ..	14710	7 April ..	30	17 April.*
Seymour, J. H., and another, Dunedin, N.Z. Hat-fastener ..	14702	4 April ..	..	..
Seymour, J. H., and another, Dunedin, N.Z. Hat-fastener ..	14740	11 April ..	34	1 May.*
Shailer, G., Palmerston North, N.Z. (See C. Dahl, No. 15035.)				
Shale, T., Dunedin, N.Z. Dredging-ladder	14711	.. .. .	..	..
Shattky, C. H., Hastings, N.Z. Securing spotting-discs on canvas targets	14901	17 May ..	45	12 June.*
Shattky, C. H., Hastings, N.Z. Canvas or paper target ..	14902	17 May ..	41	29 May.*
Shaw, S., East Richmond, Vic. Self-lighting gas-fitting ..	14899	22 May ..	41	29 May.*
Sheppard, E. G., and another, London, Eng. (See Nernst Electric Light, Limited, No. 14732.)				
Shipway, C. J., and another, Meningie, S.A. Sheep-shears ..	14932	29 May ..	45	12 June.*
Siewwright, W., and another, Gisborne, N.Z. Marine preserving composition	14881	13 May ..	45	12 June.
Simmonds, R., Coromandel, N.Z. Kerosene-tap	14803	29 April ..	38	15 May.*
Simpson, J. M., Abaura, N.Z. Dredge	13869	31 July, 1901 ..	41	29 May.
Sinclair, D., and another, Christchurch, N.Z. Upright and extension for table-tennis	14783	21 April ..	38	15 May.*
Sivertsen, P., Dunedin, N.Z. Artificial fertilisation	14784	12 April ..	38	15 May.
Sleeper, F. H., and another, Westmount, Canada. Engine ..	14768	16 April ..	38	15 May.
Slemitz, C., Wellington, N.Z. Washing-copper	15064	30 June ..	57	10 July.*
Small, J., Dunedin, N.Z. Determining quantity of liquid in refrigerating apparatus	14830	2 May ..	38	15 May.*
Smethurst, J., Wyalong, N.S.W. Tank	14754	17 April ..	34	1 May.*
Smethurst, W., Brynmair, Wales. (See the Smethurst Furnace and Ore Treatment Syndicate, Limited, No. 14868.)				
Smethurst Furnace and Ore Treatment Syndicate, Limited, London, Eng. Treatment of substances with nascent carbon-dioxide. (W. Smethurst)	14868	7 May ..	41	29 May.
Smith, H., Kew, Vic. Decorating woodwork	14648	20 May, 1901 ..	34	1 May.
Smith, R. F., Dunedin, N.Z. Window-fastener	15027	19 June ..	..	..
Soffe, S., Wellington, N.Z. Reservoir attachments to washstands ..	14965	6 June ..	45	12 June.*
Sparrow, R., and another, South Melbourne, Vic. Hub-brake for cycles, &c.	13970	5 Sept., 1901	45	12 June.
Speight, J., Kirwee, N.Z. Marine governor	13724	17 June, 1901 ..	34	1 May.
Spreckels, C. A., and another, New York, U.S.A. (See Federal Refining Company, No. 14739.)				
Stafford, G., and another, Wellington, N.Z. Dressing and washing flax	14872	13 May ..	41	29 May.*
Staples, J. E., and another, Wellington, N.Z. Branding-fluid ..	14694	3 April ..	30	17 April.*
Steenberg, J. F., Dunedin, N.Z. Butter-moulder	14919	21 May ..	45	12 June.*
Steuart, D. S. S., London, Eng. Pulveriser	14776	18 April ..	60	24 July.
Stewart, J., and another, Rangiora, N.Z. Venetian blinds ..	14944	31 May ..	45	12 June.*
Stewart, J., and another, Rangiora, N.Z. Securing veil ..	15062	30 June ..	57	10 July.*
Stiggins, E. A., Beverly, U.S.A. (See United Shoe Machinery Company, No. 14882.)				
Symmans, G. W., and another, Taranaki, N.Z. Kerosene-siphon ..	14951	4 June ..	45	12 June.
Tandy, C., Wellington, N.Z. Tire for vehicle-wheel	14842	5 May ..	45	12 June.*
Tandy, C., Wellington, N.Z. Telescope ladder	14841	5 May ..	41	29 May.*
Taplin, T., Dannevirke, N.Z. Raising liquids by compressed air ..	14939	30 May ..	45	12 June.*
Taylor, A., Dunedin, N.Z. Boot-insole	14890	20 May ..	41	29 May.
Taylor, D. A., and another, Waimate, N.Z. Attaching a horse-cover	13914	19 Aug., 1901 ..	45	12 June.
Taylor, W., Sandiacre, Eng. Railway shunting-lever	14499	6 Feb. ..	38	15 May.
Taylor, J. L., and another, Orange, N.S.W. Treating copper-ores ..	15014	19 June ..	57	10 July.
Thode, G. W., London, Eng. (See J. Chambers and Son, Limited, Nos. 14761, 14762.)				
Thomas, H., and another, Invercargill, N.Z. Feed-water heater for boiler	14831	2 May ..	41	29 May.
Thomas, J. H., Christchurch, N.Z. Hedge-cutter	14736	9 April ..	34	1 May.*
Thompson, A., and another, Wellington, N.Z. Carriage-lamp ..	14756	17 April ..	34	1 May.*
Thompson, A., and another, Wellington, N.Z. Fastener to take place of bolt or nut	14765	18 April ..	38	15 May.*
Thompson, A., and another, Wellington, N.Z. Oiling carriage-axes	14766	18 April ..	38	15 May.*
Thompson, A., and another, Wellington, N.Z. Draught-preventer for door	14836	5 May ..	41	29 May.*
Thompson, J. T. Waikato, N.Z. Apparatus for suspending garments	13710	13 June, 1901 ..	34	1 May.
Thompson, V., Wellington, N.Z. Culinary instrument	14692	2 April ..	30	17 April.*
Tipton, O., Carlton, Victoria. Manure and seed sower	15041	27 June ..	57	10 July.
Toogood, W., Featherston, N.Z. Fibre-washing machine	14715	7 April ..	30	17 April.*
Towgood, Y. S., and others, Wanganui, N.Z. Tobacco-pipe ..	14774	19 April ..	38	15 May.*
Towgood, E. T., and others, Wanganui, N.Z. Tobacco-pipe ..	14774	19 April ..	38	15 May.*
Towgood, E. T., Wanganui, N.Z. Measuring out liquids	14815	1 May ..	38	15 May.*
Towgood, E. T., and another, Wanganui, N.Z. Rat-trap	15031	23 June ..	57	10 July.*
Trapski, J., and another, Wyndham, N.Z. Securing-pins, shanks, &c.	13937	27 Aug., 1901 ..	38	15 May.
Tregoning, J. M., and another, Waimate, N.Z. Attaching a horse-cover	13914	19 Aug., 1901 ..	45	12 June.
Tripe, J. D., Wanganui, N.Z. Plier for ear-marking cattle ..	13794	5 July, 1901 ..	30	17 April.
Tripp, E. J., and another, Bristol, England. Treating beer for bottling	14833	1 May ..	41	29 May.
Trotter, C. A., Opunake, N.Z. Range-finding for rifles	14773	19 April ..	38	15 May.*

ALPHABETICAL LIST OF APPLICANTS FOR LETTERS PATENT—continued.

Name, Address, and Invention.	Application.		Gazette.	
	No.	Date.	No.	Date.
Trumble, T. A., Haldane, N.Z. Staples for wire fence	15036	23 June ..	57	10 July.*
Turnbull, W., Wellington, N.Z. Pivoting arrangement for fan-lights, &c.	14978	9 June ..	50	27 June.*
Turnbull, T. O., Kawhia, N.Z. Device for carrying children ..	14716	7 April ..	30	17 April.*
Twemlow, H. H., Riverton, N.Z. Drain-trap	14897	16 May ..	41	29 May.*
United Shoe Machinery Company, Paterson, U.S.A. Pulling-over machine. (R. F. McFeely)	14698	3 April ..	34	1 May.
United Shoe Machinery Company, Paterson, U.S.A. Heel-nailing machine. (B. F. Mayo)	14697	3 April ..	34	1 May.*
United Shoe Machinery Company, Paterson, U.S.A. Jack for heel-nailing machine. (J. H. Pope)	14789	24 April ..	38	15 May.
United Shoe Machinery Company, Paterson, U.S.A. Lasting-machine. (E. A. Stiggins)	14882	16 May ..	45	12 June.*
Universal Seal and Stopper Company, Camden, U.S.A. Bottle-sealing Machine. (E. D. Schmitt)	14690	1 April ..	30	17 April.
Universal Seal and Stopper Company, Camden, U.S.A. Tool for forming bottle-neck. (E. D. Schmitt)	14886	20 May ..	41	29 May.
Usher, T., Auckland, N.Z. Table game of bowls	14911	21 May ..	41	29 May.*
Vaile, P. A., Auckland, N.Z. Explosive fire-alarm	14719	7 June, 1901..	..	..
Vaughan, F. A., and another, Wellington, N.Z. Non-refillable bottle	14723	8 April ..	30	17 April.*
Victorian Forage Pressing Company Proprietary, Limited, The, Geelong, Vic. Forage-press. (J. Ferrier)	14991	12 June ..	50	27 June.
Vorbach, J., Renwicktown, N.Z. Potato-digger	14734	2 April ..	34	1 May.
Walker, E., St. Alban's, N.Z. Non-refillable bottle	15023	18 June ..	57	10 July.*
Wall, A. F., Dunedin, N.Z. Shield for stay-busks	14703	4 April ..	30	17 April.*
Wall, W. C., Newtown, N.S.W. Washing-machine	14755	17 April ..	34	1 May.*
Wardrop, W., and another, Dunedin, N.Z. Hat-fastener	14702	4 April ..	..	..
Wardrop, W., and another, Dunedin, N.Z. Hat-fastener	14740	11 April ..	34	1 May.*
Wardrop, W., and another, Dunedin, N.Z. Hair and hat pin ..	14828	2 May ..	38	15 May.*
Warrington, A. E., Southbridge, N.Z. Advertising	14855	6 May ..	41	29 May.*
Waters, E., jun., Melbourne, Vic. Printing-plate. (C. B. Cottrell and Sons Company—M. A. McKee)	14807	26 April ..	41	29 May.
Waters, E., jun., Melbourne, Vic. Gold-separator. (Rose Gold Reclamation Company—F. M. Johnson)	14984	7 June ..	50	27 June.
Watson, F., Christchurch, N.Z. Kerosene-pump	14895	19 May ..	41	29 May.
Watt, C. L., and another, Dunedin, N.Z. Securing sleeve on lower tumbler-shaft of bucket-dredge to tumbler	14808	26 April ..	38	15 May.*
Wattie, W., Worcester, U.S.A. Straw-matting and loom for same ..	15040	27 June ..	57	10 July.
Waygood, J. E., Waikumete, N.Z. Gate or door hinge	14858	8 May ..	41	29 May.*
White, A. M., Bolivia, N.S.W. Ploughshare. (J. Ainsworth) ..	14827	25 April ..	38	15 May.*
Whitney, A. C., Auckland, N.Z. Shooting at short range. (F. M. Gaudet)	15029	23 June ..	60	24 July.*
Whitson, R., Auckland, N.Z. Exhaust-condenser for explosive motors	14425	9 Jan. ..	50	27 June.
Williams, A., Wellington, N.Z. Wire-strainer	15051	27 June ..	57	10 July.*
Williams, J. L., Melbourne, Vic. Flushing latrines	14687	1 April ..	30	17 April.*
Williamson, P. R., and another, Christchurch, N.Z. Upright and extension for table-tennis	14783	21 April ..	38	15 May.*
Wilson, C. R., and another, Christchurch, N.Z. Cycle-driving mechanism	14799	26 April ..	38	15 May.*
Witt, T. W., Wellington, N.Z. Bat for table-tennis	14852	6 May ..	38	15 May.*
Wix, N. V. G., and others, Wellington, N.Z. Ventilating halls ..	14952	4 June ..	45	12 June.*
Woltereck, H. C., and another, London, Eng. Manufacturing gas..	14957	5 June ..	45	12 June.
Woodcock, W. H., and another, Canton, U.S.A. (See A. J. Park, Nos. 14986, 14987, and 14988.)	..	..	..	..
Wylie, W., Greymouth, N.Z. Grab-hooks for dredge	14940	28 May ..	45	12 June.

Alphabetical List of Inventions for Quarter ending 30th June, 1902.

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.
Advertising	G. Darrell	15049	27 June ..	57	10 July.*
Advertising matter, Displaying	A. E. Warrington	14855	6 May ..	41	29 May.*
Advertising, Method of	J. T. Moate	14812	1 May ..	60	24 July.*
Aerated beverages, Making	American Mineral-water Machine Company	14804	29 April ..	41	29 May.
Aerated liquid, Dispensing	W. Hucks, jun.	14917	21 May ..	45	12 June.
Aerating liquids with gasses	A. C. J. Charlier	14862	9 May ..	41	29 May.

ALPHABETICAL LIST OF INVENTIONS—continued.

Invention.	Name.	Application.		Gazette.	
		No.	Date.	No.	Date.
Aerator, Milk	R. Chambers	14885	19 May ..	41	29 May.
Air-brakes, Operating	J. Salinger	14748	18 April ..	38	15 May.*
Air-gas, Production of	J. Crook	14846	3 May ..	38	15 May.*
Air and gas carburetter	S. Perrin	14853	3 May ..	41	29 May.*
Air and gas carburetter	S. Perrin	15034	20 June ..	57	10 July.*
Air or gas compressor	L. C. Auldjo	14753	17 April ..	34	1 May.
Alarm. (See Fire-alarm.)					
Alarm-attachment for doors, &c. ..	C. H. Greenhead	14973	7 June ..	45	12 June.*
Altitude-calculator	C. A. Trotter	14773	19 April ..	38	15 May.
Amalgamating-apparatus	E. Richardson	15000	13 June ..	50	27 June.*
Animal-trap	A. J. Espie	14767	15 April ..	41	29 May.
Anti-fouling composition	T. S. Mullay and W. Stevwright	14881	13 May ..	45	12 June.
Artesian-well driving	G. L. Pearson	14904	23 May ..	41	29 May.*
Artificial stone, Making	E. J. Parrott	14866	7 May ..	41	29 May.*
Automobile, Hub-brake for	R. Sparrow and N. F. Jensen	13970	5 Sept., 1901	45	12 June.
Axe-head	T. R. Porter	14959	6 June ..	45	12 June.*
Bacon-slicer	V. Parkin	14837	5 May ..	38	15 May.*
Bacon and ham slicer	G. Carrington	15012	18 June ..	57	10 July.*
Bacon and ham slicer	G. Carrington	14701	2 April ..	30	17 April.*
Bag. (See Golf-bag, Mail-bag.)					
Bags, Gripping, on chaff-cutters ..	W. Andrews	14801	28 April ..	38	15 May.*
Balls, Device for picking up	C. Bills	15058	27 June ..	57	10 July.*
Barge for handling coal	J. Campbell	14798	24 April ..	41	29 May.
Bat for table-tennis	T. W. Witt	14852	6 May ..	38	15 May.*
Bat, Ping-pong	T. Herbert	15032	19 June ..	57	10 July.*
Bedstead	S., C., and A. Holmes	14689	3 April ..	30	17 April.
Beer, Drawing off	I. Harrison	13803	10 July, 1901	34	1 May.
Beer, Manufacture of	The Conversion Company (Billing's Machinery and Process), Limited	14720	8 April ..	30	17 April.
Beer, Treating for bottling	J. L. Dewar and E. J. Tripp ..	14833	1 May ..	41	29 May.
Belt	E. O'Conor	14839	5 May ..	38	15 May.
Belts, Transferring from pulleys ..	A. Parmiter and J. J. Leahy ..	13796	6 July, 1901	34	1 May.
Beverage, Aerated, Making	American Mineral-water Machine Company	14804	29 April ..	41	29 May.
Bicycle-crank	G. Percival	14562	27 Feb. ..	41	29 May.
Bicycle-driving mechanism	C. R. Wilson and J. F. Best ..	14799	26 April ..	38	15 May.
Bicycle-support	G. Gubbins and T. Gubbins ..	14893	16 May ..	45	12 June.*
Billiard-cue	T. R. Porter	14982	11 June ..	50	27 June.*
Billiards, Apparatus for	M. L. Humm	14974	9 June ..	(50)	27 June.*
Blackboard easel	F. Pegler	14825	29 April ..	38	15 May.*
Blades, Steam-turbine	Hon. C. A. Parsons	14905	23 May ..	45	12 June.
Blind. (See Venetian blind.)					
Board, Washing	W. S. Ayson	14970	7 June ..	45	12 June.
Boiler, Feed-water heater for	H. Thomas and A. C. Mitchell ..	14831	2 May ..	41	29 May.
Bolster. (See Truck bolster.)					
Boot, Insole for	A. Taylor	14890	20 May ..	41	29 May.
Boot-laces	K. Raymond	14906	19 May ..	41	29 May.*
Boots, Fastener for	C. D. Brent	15018	20 June ..	57	10 July.*
Boring and artesian-well driving ..	G. L. Pearson	14904	23 May ..	41	29 May.*
Boss for fastening machinery to a shaft	W. H. Gordon	14761	17 April ..	45	12 June.
Bottle. (See Non-refillable bottle.)					
Bottle, Forming neck of	Universal Seal and Stopper Company	14886	20 May ..	41	29 May.
Bottle and stopper	H. R. Bell	14743	15 April ..	34	1 May.*
Bottle-holder	C. Bills	15020	17 June ..	57	10 July.*
Bottles, Machine for sealing	Universal Seal and Stopper Company	14690	1 April ..	30	17 April.
Bottles, Preventing refilling of	F. McLeod and F. A. Vaughan ..	14723	8 April ..	30	17 April.*
Bottling, Treating beer for	J. L. Dewar and E. J. Tripp ..	14833	1 May ..	41	29 May.
Bowl. (See Cooking-bowl.)					
Bowls, Table game of	T. Ussher	14911	21 May ..	41	29 May.*
Box. (See Butter-box.)					
Box for packing rabbits	W. Moore and C. T. Kiernan ..	14778	17 April ..	38	15 May.*
Braces	E. O'Conor	14839	5 May ..	38	15 May.
Bracket, Spouting	W. H. Ballinger	13778	4 July, 1901	30	17 April.
Brake. (See Air-brake, Cycle-brake.)					
Brake apparatus, Fluid-pressure ..	M. Corrington	14226	14 Nov., 1901	45	12 June.
Brake, Vehicle	J. McIntosh and P. Scoringe ..	14894	20 May ..	50	27 June.*
Brake-shoe	J. P. Campbell	14887	20 May ..	41	29 May.
Branding-fluid	T. H. Brown and J. E. Staples ..	14694	3 April ..	(30)	17 April.*
Branding meat-bags	D. Pihl	13621	15 May, 1901	38	15 May.
Branding and marking appliance ..	A. McLeod	14796	25 April ..	41	29 May.*
Bread-toaster	G. J. Sellars, jun., and A. V. Cox-head	14742	14 April ..	34	1 May.*
Brick	L. Jaubert	14898	22 May ..	57	10 July.
Brickwork, Rendering, impervious to water	J. J. Collins and R. D. Harman	14930	29 May ..	45	12 June.*
Brick, Artificial, Making	E. J. Parrott	14866	7 May ..	41	29 May.*
Brooch-pin, Safety-catch for	A. M. Legge	14912	24 May ..	41	29 May.*
Buckle for mail-bags	G. H. Longdin	15054	27 June ..	57	10 July.*
Bulk butter, Cutting	G. T. Allnutt and W. E. Lake ..	14980	10 June ..	50	27 June.
Bulkhead-doors, Closing	P. Hoppe	15039	27 June ..	57	10 July.
Butter-box	J. Ellis	14985	7 June ..	50	27 June.*

ALPHABETICAL LIST OF INVENTIONS—continued.

Invention.	Name.	Application.		Gazette.	
		No.	Date.	No.	Date.
Butter-box	A. McFarlane	15063	30 June ..	57	10 July.
Butter-cooler and filter	A. Lyell	14960	6 June ..	45	12 June.*
Butter-dish	A. Lyell	14964	6 June ..	45	12 June.*
Butter, Machine for cutting	G. T. Allnutt and W. E. Lake	14980	10 June ..	50	27 June.
Butter-mould	C. Dahl	15035	24 June ..	60	24 July.
Butter-moulder	J. F. Steenberg	14919	21 May ..	45	12 June.*
Button-holes	J. J. Macky	14843	2 May ..	38	15 May.*
Button-holes	G. H. Bigelow	14844	1 May ..	38	15 May.*
Buttons, Securing, to garments	A. H. Brownley and T. B. Jacobsen	14856	8 May ..	41	29 May.*
Calculating-apparatus	G. P. Pierce	14865	9 May ..	41	29 May.
Can-body, Soldering seam of	G. W. Berry	14933	29 May ..	45	12 June.
Can-capping machine	H. Peck	14763	18 April ..	34	1 May.
Can-ends, Die for forming	H. Peck	14764	18 April ..	34	1 May.
Can-washing machines	H. Peck	14762	18 April ..	34	1 May.
Candlestick	A. Lyell	14961	6 June ..	45	12 June.*
Caps, Applying, to cans	H. Peck	14763	18 April ..	34	1 May.
Carbon-dioxide, Treating substances with nascent	Smethurst Furnace and Ore Treatment Syndicate, Limited	14868	7 May ..	41	29 May.
Carburetter, Air and gas	S. Perrin	14853	3 May ..	41	29 May.*
Carburetter, Air and gas	S. Perrin	15034	20 June ..	57	10 July.*
Carcase, Branding-fluid for	T. H. Brown and J. E. Staples	14694	3 April ..	57	10 July.
Carriage-lamp	N. March and A. Thompson	14756	17 April ..	34	1 May.*
Carriage-lamp, Holding in position	S. J. Holland	14797	22 April ..	38	15 May.*
Cars, Street, Truck for	A. J. Park	14986	7 June ..	50	27 June.*
Cashier, Mechanical	W. E. Hughes	14809	1 May ..	..	..
Caster	D. E. Amesbury	14691	1 April ..	30	17 April.*
Catch, Spring-retaining, for doors	J. S. Henderson and W. Robinson	14751	17 April ..	34	1 May.*
Centrifugal machine, Bearings for	O. Prollius	14918	21 May ..	..	..
Centrifugal separator	C. A. E. Andersen	14775	18 April ..	38	15 May.
Chain, Elevator	R. H. Flemington	15024	23 June ..	..	..
Chair and step-ladder	J. M. Armour	15067	28 June ..	57	10 July.*
Chalk, Carrying, for billiard-cue	T. R. Porter	14982	11 June ..	50	27 June.*
Checking-markers of games	F. Finlay and C. J. Hebblewhite	14820	2 May ..	38	15 May.
Chemical reaction, Producing	The Smethurst Furnace and Ore Treatment Syndicate, Limited	14868	7 May ..	41	29 May.
Children, Device for carrying	T. O. Turnbull	14716	7 April ..	30	17 April.*
Cigar and cigarette holder	C. Peterson	15016	19 June ..	57	10 July.
Cigarettes, Machine for packing	W. E. Hughes	14733	10 April ..	34	1 May.
Cigarettes, Manufacturing	L. B. Baron	14811	1 May ..	41	29 May.
Cleaner. (See Knife-cleaner.) .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .
Cleaning bicycle-tires	B. I. Hayward and R. A. Gibson	14877	15 May ..	41	29 May.*
Cleansing fat from wools	A. Born	14989	12 June ..	50	27 June.*
Clip for securing wires	A. S. Band	15013	19 June ..	57	10 July.
Coal-handling, Lighter for	J. Campbell	14798	24 April ..	41	29 May.
Coal, Removing, from ships' holds	F. P. Evans and D. McDougall	14861	9 May ..	41	29 May.*
Cock	C. M. Cruickshank	14946	29 May ..	50	27 June.*
Collar, Fastening-device for dress	M. L. Humm	14968	5 June ..	45	12 June.*
Compressed air, Elevating liquids by	T. Taplin	14939	30 May ..	45	12 June.*
Compressor. (See air or gas compressor.) .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .
Concentrating-apparatus	E. Richardson	15000	13 June ..	50	27 June.
Concentrating littoral deposits	J. Nelson and D. Reid, jun.	15003	11 June ..	50	27 June.*
Condenser	F. J. Maingonald	14848	6 May ..	38	15 May.
Condenser, Exhaust	R. Whitson	14425	9 Jan. ..	50	27 June.
Controllers for electric motors	J. T. Hunter	14790	24 April ..	38	15 May.
Controlling electric switches	W. Kingsland	14993	12 June ..	50	27 June.
Controlling horses, Purchase-gear for	J. H. Grattan	14874	8 May ..	41	29 May.*
Cooking-bowl	J. Pomeroy	14741	9 April ..	34	1 May.*
Cooking-utensil support	F. Pegler	14847	28 April ..	38	15 May.*
Cooling and aerating milk	R. Chambers	14885	19 May ..	41	29 May.*
Copper-ores, Treating	W. Payne and J. L. Taylor	15014	19 June ..	57	10 July.
Copper. (See Washing-copper.) .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .
Counter-check or sales-book	J. S. Holmes	13826	18 July, 1901 ..	57	10 July.
Couplings, Electro-magnetic	O. Imray	14992	12 June ..	50	27 June.
Coupling-hook for plough-chain	N. Ross	15011	17 June ..	57	10 July.*
Cover, Liquid seal	H. J. Jones	14749	17 April ..	34	1 May.
Cover. (See Horse-cover.) .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .
Coverings for the feet	H. W. Buff	14735	9 April ..	..	..
Cow-legs, Securing	F. H. Aussen	14826	3 May ..	38	15 May.
Cramp, Flooring	G. E. Pruden	14948	30 May ..	45	12 June.*
Cranks of bicycles	G. Percival	14562	27 Feb. ..	41	29 May.
Cricket, Table game of	C. E. Nicholas	14819	2 May ..	38	15 May.
Croquet, Table, Apparatus for	M. L. Humm	14974	9 June ..	(57)	10 July.*
Crushing. (See Pulverising.) .. .. .	.. .. .	.. .. .	.. .. .	(50)	27 June.*
Cue. (See Billiard-cue.) .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .
Culinary instrument	V. Thompson	14692	2 April ..	30	17 April.*
Cup. (See Egg-cup.) .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .
Cutter. (See Butter-cutter, Ham-cutter, Hedge-cutter, Nail-cutter, Rock-cutter, Root-cutter, Stone-cutter.) .. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .
Cycle-driving mechanism	R. A. C. Laidlaw	14760	15 April ..	38	15 May.
Cycle-driving mechanism	C. R. Wilson and J. F. Best	14799	26 April ..	38	15 May.*
Cycle gauntlet	E. Saxton	15028	23 June ..	..	..
Cycle hub-brake and free wheel	S. Priest, jun.	15042	27 June ..	57	10 July.*

ALPHABETICAL LIST OF INVENTIONS—continued.

Invention.	Name.	Application.		Gazette.	
		No.	Date.	No.	Date.
Cycle, Hub-brake for	R. Sparrow and N. F. Jensen	13970	5 Sept., 1901	45	12 June.
Cycle, Parcel-carrier for	T. R. Ellison	14779	22 April ..	38	15 May.
Cycle-tire cleaner	B. I. Hayward and R. A. Gibson	14877	15 May ..	41	29 May.
Cycles, Propulsion of	H. G. Grinlinton	14972	7 June ..	45	12 June.*
Damper-regulator	F. Bonnington	15025	23 June ..	57	10 July.*
Date and score indicator	G. F. Dale	15009	16 June ..	50	27 June.*
Decorating picture-frames, &c.	J. C. Corbett	14806	28 April ..	41	29 May.*
Detergent	G. Bamberg	15045	27 June ..	57	10 July.
Die for forming can-ends	H. Peck	14764	18 April ..	34	1 May.
Digger. (See Dredge-digger, Potato-digger.)					
Dinner-plate	J. W. McCarthy	15008	16 June ..	..	..
Discharge for seed-sowers, &c.	P. and D. Duncan, Limited	14296	29 Nov., 1901	41	29 May.
Dish. (See Butter-dish.)					
Displaying advertising matter	A. E. Warrington	14855	6 May ..	41	29 May.*
Distance-ascertainer	C. A. Trotter	14773	19 April ..	38	15 May.
Ditch-plough	C. C. Kidd	15052	25 June ..	..	..
Door, Alarm-attachment for	C. H. Greenhead	14973	7 June ..	45	12 June.*
Door-catch	J. S. Henderson and W. Robinson	14751	17 April ..	34	1 May.*
Door-knob, Spindle-attachment to	J. E. A. Frost	14927	23 May ..	45	12 June.*
Door. (See Bulkhead-door.)					
Door-fastener	A. Buckland	14737	9 April ..	41	29 May.*
Door-hinge	J. E. Waygood	14858	8 May ..	41	29 May.
Door-knob, Securing to spindles	T. B. Jacobsen	14851	6 May ..	38	15 May.*
Door, Draught-preventor for	A. Thompson and J. Roussell	14836	5 May ..	41	29 May.*
Drain-trap	H. H. Twemlow	14897	16 May ..	41	29 May.*
Draught-preventing attachment to doors..	A. Thompson and J. Roussell	14836	5 May ..	41	29 May.*
Dredge	J. M. Simpson	13869	31 July, 1901	41	29 May.
Dredge-digger	J. E. Friend	14724	9 April ..	34	1 May.
Dredge, Pick or grab-hook for	W. Wylie	14940	28 May ..	45	12 June.
Dredging-ladder	T. Shale				
Drill, Discharge for	P. and D. Duncan, Limited	14296	29 Nov., 1901	41	29 May.
Drill, Grain, &c.	J. Macalister	14824	30 April ..	38	15 May.*
Driving mechanism for cycles.. ..	R. A. C. Laidlaw	14760	15 April ..	38	15 May.*
Driving mechanism for cycles	C. R. Wilson and J. F. Best	14799	26 April ..	38	15 May.*
Dropper for pasty material	H. Grass	14758	17 April ..	34	1 May.
Dust-excluder for doors	G. J. Smith	14274	25 Nov., 1901	57	10 July.
Dust-preventing attachment	A. Thompson and J. Roussell	14836	5 May ..	41	29 May.*
Dusting floors, walls, &c.	H. H. Henderson	14955	5 June ..	45	12 June.*
Ear-mark for cattle	J. D. Tripe	13794	5 July, 1901	30	17 April.
Ear-trumpets	T. W. Messenger	14721	8 April ..	30	17 April.*
Easel. (See Blackboard easel.)					
Economizing consumption of fuel	T. Rawlinson	13938	27 Aug., 1901	50	27 June.
Egg-cup	A. Lyell	14963	6 June ..	45	12 June.*
Electric-belt, Medical		15001	11 June ..	..	..
Electric blast-furnace	C. A. Keller	14729	10 April ..	34	1 May.
Electric fans	W. E. Coleman	14903	23 May ..	41	29 May.
Electric-motor controller	J. T. Hunter	14790	24 April ..	38	15 May.
Electric railway, Track-construction for ..	J. T. Hunter	14879	15 May ..	41	29 May.
Electric switches, Communicating step-by-step motions for controlling	W. Kingsland	14993	12 June ..	50	27 June.
Electric telegraphy, Audible	R. Oxlade & W. J. W. Richardson	14731	10 April ..	34	1 May.
Electrical amalgamating-apparatus	E. Richardson	15000	13 June ..	50	27 June.*
Electro deposition of metals	R. D. Sanders	14613	1 May ..	38	15 May.
Electro-magnetic couplings	O. Imray	14992	12 June ..	50	27 June.
Elevator chain	R. Holland	15024	23 June ..	..	..
Emulsion, Separating fats from	J. A. Dahlqvist and C. L. Holm	15038	27 June ..	57	10 July.
Engine	F. H. Sleeper and A. E. Mahon	14768	16 April ..	38	15 May.
Engine. (See Rotary-engine.)					
Envelope, Stationery	Elliot's Patent-lock Envelope Company, Limited	14931	29 May ..	45	12 June.
Escape. (See Fire-escape.)					
Exhaust-condenser for explosive motor ..	R. Whitson	14425	9 Jan. ..	50	27 June.
Explosive	A. McCracken	14757	17 April ..	34	1 May.
Explosive compound	W. C. Quinby and J. J. Moore	15048	27 June ..	57	10 July.
Explosive motor, Condenser for exhaust from	R. Whitson	14425	9 Jan. ..	50	27 June.
Exterminating rabbits	T. G. Russell and A. H. P. Noble	15057	28 June ..	57	10 July.
Extractor. (See Nail-extractor.)					
Fan, Electric	W. E. Coleman	14903	23 May ..	41	29 May.
Fanlights, Pivoting arrangement for	W. Turnbull	14978	9 June ..	50	27 June.
Fastener. (See Door-fastener, Hat-fastener, Mat-fastener, Window-fastener, Wire-rod fastener.)					
Fastener for boots, leggings, &c.	C. D. Brent	15018	20 June ..	57	10 July.*
Fastener	J. Roussell and A. Thompson	14765	18 April ..	38	15 May.*
Fatty substances from emulsions, Separating	J. A. Dahlqvist and C. L. Holm	15038	27 June ..	57	10 July.
Feed-water heater	H. Thomas and A. C. Mitchell	14831	2 May ..	41	29 May.
Feet, Coverings for the	H. W. Buff	14735	9 April ..	..	..
Fence, Clip for securing crossed wires in ..	A. S. Band	15013	19 June ..	57	10 July.
Fencing-dropper, Securing, to wires	T. Holden	13890	19 Aug., 1901	45	12 June.
Fencing-wire, Uncoiling of	Q. A. McIlwraith	15065	27 June ..	57	10 July.*

ALPHABETICAL LIST OF INVENTIONS—continued.

Invention.	Name.	Application.		Gazette.	
		No.	Date.	No.	Date.
Ferrule for pipes, &c.	T. J. Gilfedder and J. McKinna..	14840	5 May	38	15 May.*
Fertilisation, Artificial	P. Sivertsen ..	14784	12 April	38	15 May.
Fibre-washing machine	W. Tongood ..	14715	7 April	30	17 April.*
Fibres, Extracting gum from	V. S. Aston ..	14718	4 April	30	17 April.*
File or clip for documents	H. M. Inglis ..	14936	28 May	45	12 June.*
Filter and butter-cooler	A. Lyell ..	14960	6 June	45	12 June.*
Filter-trap for sewage	P. Patten ..	14713	5 April	30	17 April.*
Fire-alarm	R. H. Bedford ..	15017	17 June	57	10 July.*
Fire alarm and escape	T. S. Philpott and R. Hutchinson	14889	20 May	41	29 May.*
Fire-alarm, Explosive	P. A. Vaile ..	14719	7 June, 1901	..	..
Fire-escape	K. Boyd ..	13853	24 July, 1901	45	12 June.
Fire-escape	C. A. Briggs ..	14208	11 Nov., 1901	45	12 June.
Fire-escape	C. J. Cooze ..	14700	3 April	30	17 April.*
Fire-escape	H. G. Escher ..	14709	7 April	30	7 April.*
Fire-escape	R. Keyte ..	14010	17 Sept., 1901	50	27 June.
Fire-escape	G. Newman ..	14717	5 April	30	17 April.*
Fire-escape	J. W. Rooney ..	15037	23 June	57	10 July.*
Fire-grate	A. H. Porter and C. J. A. Graham	14971	7 June	45	12 June.*
Fire-proof floor	R. W. de Montalk ..	14752	17 April	34	1 May.
Flap-attachment to vehicles	R. Caldwell ..	14941	28 May	45	12 June.*
Flax, Dressing and washing	G. Stafford and A. C. S. French..	14872	13 May	41	29 May.*
Flax, Extracting gum from	V. S. Aston ..	14718	4 April	30	17 April.*
Flax, Feeding to a scutcher	W. B. Arlidge ..	14923	26 May	50	27 June.*
Flax-stripper, Plummer block for	D. Murphy ..	14891	19 May	41	29 May.*
Floor. (See Fire-proof floor.)					
Flooring-cramp	G. E. Pruden ..	14948	30 May	45	12 June.*
Floors, walls, &c., Dusting	H. H. Henderson ..	14955	5 June	45	12 June.*
Fluid-pressure brake apparatus	M. Corrington ..	14226	14 Nov. 1901	45	12 June.
Fluid. (See Washing-fluid.)					
Fly-trap	A. Butler ..	15015	19 June	57	10 July.*
Forage-press	The Victorian Forage-pressing Proprietary, Limited	14991	12 June	50	27 June.
Frame, Picture and photograph, Decorating	J. C. Corbett ..	14806	28 April	41	29 May.*
Free wheel and hub-brake, Cycle	S. Priest, jun. ..	15042	27 June	57	10 July.*
Friction hoist	R. Chambers ..	13585	8 May, 1901	38	15 May.*
Fuel-economizer and spark-arrester	E. A. Cameron ..	15019	16 June	57	10 July.*
Fuel-economizer for locomotives	T. Rawlinson ..	13938	27 Aug.	50	27 June.*
Fuel, Combustion of	T. D. Kyle ..	14693	3 April	45	12 June.
Furnace, Supplying steam and air to	G. Claydon ..	15061	30 June	57	10 July.*
Furnace. (See Electric blast-furnace, Roasting-furnace.)					
Games, Memory apparatus for	A. G. Floyed ..	14864	9 May	41	29 May.
Games. (See Bowls, Cricket, Table-cro- quet, Table-tennis, Ping-pong.)					
Game-marker	F. Finlay and C. J. Hebblewhite	14820	2 May	38	15 May.
Garbage, Converting into marketable sub- stances	A. E. Niccolls ..	15033	24 June	71	4 Sept.*
Garment, Securing buttons to..	A. H. Brownley and T. B. Jacobsen	14856	8 May	41	29 May.
Garment-suspenders	H. Iggo ..	14834	1 May	38	15 May.*
Garments, Suspending and exposing to air	J. T. Thompson ..	13710	13 June, 1901	34	1 May.
Gas-burner	S. Shaw ..	14899	22 May	41	29 May.*
Gas-carburetter	S. Perrin ..	14853	3 May	41	29 May.*
Gas-lamp, Incandescent	Allgemeine Beleuchtungs und Heiz-Industrie Actien-Gesell- schaft	14759	17 April	34	1 May.
Gas or air compressor	L. C. Auldjo ..	14753	17 April	34	1 May.
Gas under pressure, Receptacle for	L. J. Bizet ..	15043	27 June	57	10 July.*
Gases, Saturating liquids with	A. C. J. Charlier ..	14862	9 May	41	29 May.
Gas-manufacture	W. J. Dibdin and H. C. Waltereck	14957	5 June	45	12 June.
Gate-hinge	J. E. Waygood ..	14858	8 May	41	29 May.*
Gates, Farm and stock	H. F. Band ..	14990	12 June	50	27 June.
Gauge-glass for steam-boiler	R. P. Gibbons ..	14770	14 April	34	1 May.*
Gearing, Velocipede	J. Archer ..	14916	21 May	45	12 June.
Generator, Steam	P. C. Louat ..	14821	2 May	41	29 May.
Gold, Extraction of	E. Richardson ..	15000	13 June	50	27 June.*
Gold-ores, Vessels for treating	F. C. Brown and S. D. McMiken	14883	12 May	41	29 May.
Gold-saving	H. G. Hankin ..	14907	23 May	..	..
Gold-separators	E. Waters, jun. ..	14984	7 June	50	27 June.
Golf-bag	D. Donald ..	14835	5 May	38	15 May.*
Golf, Practice apparatus for	J. H. Anderson ..	14706	3 April	30	17 April.
Governor, Marine	J. Speight ..	13724	17 June, 1901	38	15 May.
Grab-hook for dredge	W. Wylie ..	14940	28 May	45	12 June.
Grading auriferous spoil	H. G. Hankin ..	14907	23 May	..	..
Graphophone	W. C. Runge ..	15047	27 June	57	10 July.
Grinding. (See Pulverising.)					
Grip. (See Hat-grip.)					
Gum, Extracting, from flax	V. S. Aston ..	14718	4 April	30	17 April.*
Guttering for building	C. G. Lee ..	14910	21 May	50	27 June.*
Hair-bristles, Removing oil from	A. Born ..	14989	12 June	50	27 June.*
Hairpin..	G. H. Bigelow ..	14818	28 April	38	15 May.*
Hairpin..	W. H. Fahey and W. Wardrop ..	14828	2 May	38	15 May.*

ALPHABETICAL LIST OF INVENTIONS—*continued.*

Invention.	Name.	Application.		Gazette.	
		No.	Date.	No.	Date.
Halls, &c., Ventilating	J. D. Kelly, D. P. Fisher, and N. V. G. Wix	14952	4 June ..	45	12 June.*
Ham and bacon slicer	G. Carrington	14701	2 April ..	30	17 April.*
Ham and bacon slicer	G. Carrington	15012	18 June ..	57	10 July.*
Hanging pictures, Means for ..	A. H. Brownley	14878	15 May ..	41	29 May.*
Harrows, Stump-jumping	E. J. and W. R. Hume ..	14816	1 May ..	38	15 May.
Harvesting-appliance	M. Saunders	15022	18 June ..	57	10 July.*
Hat-fastener	W. Borlase	14967	4 June ..	45	12 June.*
Hat-fastener	K. Raymond	14994	6 June ..	50	27 June.*
Hat-fastener	J. H. Seymour and W. Wardrop..	14702	4 April ..	..	..
Hat-fastener	J. H. Seymour and W. Wardrop..	14740	11 April ..	34	1 May.*
Hat-grip	R. D. Harris	14695	3 April ..	..	..
Hatpin	W. H. Fahey and W. Wardrop ..	14828	2 May ..	38	15 May.*
Hats, Securing to head	T. W. North	13851	23 July, 1901	38	15 May.
Heat of sun, Making industrial use of	M. A. G. Himalaya	14082	3 Oct., 1901	50	27 June.
Heat, Waste, Utilising from boilers	T. W. Hughes	13774	1 July, 1901	57	10 July.
Heater, Feed-water	H. Thomas and A. C. Mitchell ..	14831	2 May ..	41	29 May.
Heater, Laundry-iron	F. Pegler	14847	28 April ..	38	15 May.*
Hedge-cutter	J. H. Thomas	14736	9 April ..	34	1 May.*
Heel-nailing machine	United Shoe Machinery Company	14697	3 April ..	34	1 May.*
Heel-nailing machine, Jack for ..	United Shoe Machinery Company	14789	24 April ..	38	15 May.
High-pressure gauge-glass for steam boiler	R. P. Gibbin	14770	14 April ..	34	1 May.*
Hinge, Gate and door	J. E. Waygood	14858	8 May ..	41	29 May.*
Hoist. (See Friction hoist.)					
Holder. (See Bottle-holder.)					
Hook, Coupling, for plough-chains	N. Ross	15011	17 June ..	57	10 July.*
Hook, Spring	W. Borlase and A. Taylor	14998	9 June ..	50	27 June.*
Horse-controlling gear	J. H. Grattan	14874	8 May ..	41	29 May.
Horse-covers	A. Hodge and W. Jones	14966	2 June ..	50	27 June.*
Horse-cover, Attaching a	J. M. Tregoning and D. A. Taylor	13914	19 Aug., 1901	45	12 June.
Horse-cover attachment	T. Hawke	13910	13 Aug., 1901	41	29 May.
Horse-cover, Fastening a	P. S. Brodie	14896	16 May ..	..	..
Horse-cover, Fastening for	A. F. Roy	15021	17 June ..	..	..
Horse-cover, Securing	F. Ketteg	14708	4 April ..	30	17 April.*
Horse-stopper and wheel-lock ..	F. Matthews	14953	4 June ..	45	12 June.*
Horse-cover, Strapping for	J. Neagle	14854	7 May ..	41	29 May.*
Horses running away, Preventing	F. Matthews	14913	24 May ..	25	12 June.
Hub-brake for cycles, &c.	R. Sparrow and N. F. Jensen ..	13970	5 Sept., 1901	45	12 June.
Hub-brake and free-wheel	S. Priest, jun.	15042	27 June ..	57	10 July.
Hub for fastening machinery to a shaft	W. H. Gordon	14761	17 April ..	45	12 June.
Hub, Pneumatic, for vehicles ..	J. K. Hayne	14850	3 May ..	38	15 May.*
Incandescent gas-lamp	Allgemeine Beleuchtungs und Heiz-Industrie Actien-Gesellschaft	14759	17 April ..	34	1 May.
Index-file for documents	H. M. Inglis	14936	28 May ..	45	12 June.*
Insole for boots and shoes	A. Taylor	14890	20 May ..	41	29 May.
Iron-heater and cooking-utensil support	F. Pegler	14847	28 April ..	38	15 May.*
Iron-oxides, Treatment of	D. R. S. Galbraith	14769	16 April ..	34	1 May.*
Jack for heel-nailing machines ..	United Shoe Machinery Company	14789	24 April ..	38	15 May.
Keeper, Saddlery	W. E. Searle	14777	19 April ..	38	15 May.*
Kerosene-pump	F. Watson	14895	19 May ..	41	29 May.
Kerosene-siphon	G. F. Hutchinson and G. W. Symmans	14951	4 June ..	45	12 June.
Kerosene-tap	R. Simmonds	14803	29 April ..	38	15 May.*
Knife-cleaner	R. W. Jones	13659	30 May, 1901	34	1 May.
Knife-cleaner	F. A. Miller	14924	26 May ..	45	12 June.*
Laces, Boot	K. Raymond	14906	19 May ..	41	29 May.*
Laces and lacing stays	K. Raymond	14976	4 June ..	50	27 June.*
Lacing articles, Means for	J. Pomeroy	14947	29 May ..	50	27 June.*
Ladder, Step, and chair	J. M. Armour	15067	28 June ..	57	10 July.*
Ladder, Telescope, Lifting-trigger-for	C. Tandy	14841	5 May ..	41	29 May.*
Ladder. (See also Dredging-ladder.)					
Lamp. (See Oil-lamp, Gas-lamp, Carriage-lamp.)					
Lasting-machine	United Shoe Machinery Company	14882	16 May ..	45	12 June.*
Latrines, Automatic flushing urinals and..	J. L. Williams	14687	1 April ..	30	17 April.*
Lead pigments, &c., Manufacture of	A. C. J. Charlier	14862	9 May ..	41	29 May.
Leaf turner, Music	J. C. Newell	13847	25 July, 1901	41	29 May.
Legging, Puttie	J. T. Allinson and T. S. Robertson	14788	24 April ..	38	15 May.
Leggings, Shaping and blocking-out	P. R. Russell	13798	9 July, 1901	34	1 May.
Legs, Securing cows'	F. H. Ausseil	14826	3 May ..	38	15 May.
Letter-tracing, Textile	G. Pulman	14909	21 May ..	50	27 June.*
Lighters for handling coal	J. Campbell	14798	24 April ..	41	29 May.
Lime, sand, bricks, &c, Making ..	E. J. Parrott	14866	7 May ..	41	29 May.*
Line, Attaching articles to	C. H. Osmond	14785	21 April ..	38	15 May.
Lining for tires, Non-puncturable ..	J. J. Daily	14291	27 Nov., 1901	50	27 June.
Liquid, Determining, in refrigerating apparatus	J. Smaill	14830	2 May ..	38	15 May.*
Liquids, Raising	T. Taplin	14939	30 May ..	45	12 June.
Liquid, Seal cover	H. J. Jones	14749	17 April ..	34	1 May.*
Liquid under pressure, Receptacle for	L. J. Bizet	15043	27 June ..	57	10 July.*

ALPHABETICAL LIST OF INVENTIONS—*continued.*

Invention.	Name.	Application.		Gazette.	
		No.	Date.	No.	Date.
Littoral alluvial deposits, Concentrating ..	J. Nelson and D. Reid, jun. ..	15008	11 June ..	50	27 June.*
Lock. (See Wheel-lock.)					
Lock-nut	G. H. Bigelow	14844	1 May ..	38	15 May.*
Lock-nut	C. J. Cooze	14699	3 April ..	30	17 April.*
Locking and signalling at facing-points ..	J. S. Kirkpatrick	14995	9 June ..	50	27 June.*
Looking nuts, Means for	J. Austin	14969	6 June ..	50	27 June.*
Locomotive, Economizing fuel in	T. Rawlinson	13938	27 Aug., 1901	50	27 June.*
Locomotive engine, Spark-arrester for ..	D. Drummond	14247	21 Nov., 1901	41	29 May.*
Logs, Machine for sawing	J. Greenacre	14514	11 Feb. ..	50	27 June.*
Loom, Straw-matting	W. Wattie	15040	27 June ..	57	10 July.*
Loop, Boxed	W. E. Searle	14777	19 April ..	38	15 May.*
Magnetic from non-magnetic materials, Separating	J. H. A. McPhee	14849	3 May ..	38	15 May.*
Magnetic ore-separator	F. J. King	14810	1 May ..	41	29 May.*
Mail-bags, Buckle for	G. E. Longdin	15054	27 June ..	57	10 July.*
Mail-marking machine	D. Robertson	14686	1 April ..	30	17 April.*
Manure and seed sower	O. Tipton	15041	27 June ..	57	10 July.*
Marine governor	J. Speight	13724	17 June, 1901	38	15 May.*
Mark. (See Ear-mark.)					
Marker. (See Checking-marker.)					
Marking. (See Mail-marking.)					
Marking and branding appliances	A. McLeod	14796	25 April ..	41	29 May.*
Martingale	W. G. Geary	14943	31 May ..	45	12 June.*
Match-box and candlestick	A. Lyell	14961	6 June ..	45	12 June.*
Mat-fastener	A. O. Bridgman	14822	30 April ..	41	29 May.*
Matting, Straw	W. Wattie	15040	27 June ..	57	10 July.*
Matrices for printing-plates	E. Waters, jun.	14807	26 April ..	41	29 May.*
Mattresses, Woven-wire	J. J. Austin	14679	1 April ..	30	17 April.*
Measuring out liquids	E. T. Towgood	14815	1 May ..	38	15 May.*
Meat-bags, Branding	D. Pihl	13621	15 May, 1901	38	15 May.*
Memory game, Apparatus for	A. G. Floyed	14864	9 May ..	41	29 May.*
Merry-go-round	A. Coucill	14869	7 May ..	41	29 May.*
Metals, Deposition of	Sherard Cowper-Coles and Co., Limited	14832	1 May ..	41	29 May.*
Metals, Electro-deposition of	R. D. Sanders	14813	1 May ..	38	15 May.*
Metals, Process for obtaining	C. A. Keller	14729	10 April ..	34	1 May.*
Milk, Cooling and aerating	R. Chambers	14885	19 May ..	41	29 May.*
Milk, Measuring out	E. T. Towgood	14815	1 May ..	38	15 May.*
Milk, Transporting	F. H. Aussel	14981	10 June ..	50	27 June.*
Mill. (See Stamp-mill.)					
Moulder. (See Butter-moulder.)					
Music-leaf turner	J. C. Newell	13847	25 July, 1901	41	29 May.*
Mustard-pot	A. H. Cotton	14871	10 May ..	41	29 May.*
Nail-extractor and cutter	J. A. McPhee	14997	10 June ..	50	27 June.*
Nail	P. Patten	14712	5 April ..	30	17 April.*
Nascent carbon dioxide, Treating substances with	Smethurst Furnace and Ore Treatment Syndicate, Limited	14868	7 May ..	41	29 May.*
Neckties, Means for securing	T. R. Porter	14983	11 June ..	50	27 June.*
Neck of bottle, Tool for forming	Universal Seal and Stopper Company	14886	20 May ..	41	29 May.*
Nernst lamps	Nernst Electric Light, Limited ..	14732	10 April ..	57	10 July.*
Non-puncturable lining for tires	J. J. Daily	14291	27 Nov., 1901	50	27 June.*
Non-refillable bottle	R. Garnham	14750	17 April ..	34	1 May.*
Non-refillable bottle	F. McLeod	15030	23 June ..	57	10 July.*
Non-refillable bottle	W. E. Mason and A. J. Mason ..	14782	22 April ..	38	15 May.*
Non-refillable bottle	R. A. Morgan and C. S. Johnston	15053	27 June ..	57	10 July.*
Non-refillable bottle	W. J. Sellars	14710	7 April ..	30	17 April.*
Non-refillable bottle	E. Walker	15023	18 June ..	57	10 July.*
Nut lock	G. J. Bertinshaw	15055	30 June ..	57	10 July.*
Nut-lock	G. H. Bigelow	14845	1 May ..	38	15 May.*
Nut. (See also Lock-nut.)					
Oil-lamp	J. F. C. Farquhar	14688	1 April ..	30	17 April.*
Oiling carriage-axles	A. Thompson and J. Roussell ..	14766	18 April ..	38	15 May.*
Oil, Removing, from wool, &c.	A. Born	14989	12 June ..	50	27 June.*
Operating pumps	W. Hinchey, W. Hagerty, and J. Hagerty	13944	28 Aug., 1901	45	12 June.*
Operating valves of water-closet cisterns ..	J. Cook	14880	15 May ..	41	29 May.*
Ore-separator, Magnetic	F. J. King	14810	1 May ..	41	29 May.*
Ore-treating vessel	S. C. Brown and S. D. McMiken	14883	12 May ..	41	29 May.*
Ores, Copper, Treating	W. Payne and J. L. Taylor	15014	19 June ..	57	10 July.*
Palm, Sewing	J. Pomeroy	15060	22 June ..	57	10 July.*
Parcel-carrier for cycles	T. R. Ellison	14779	22 April ..	38	15 May.*
Perambulator	J. Ford and A. C. Murray	14870	9 May ..	41	29 May.*
Phormium tenax. (See Flax.)					
Picking up balls, Device for	C. Bills	15058	27 June ..	57	10 July.*
Picks for dredges	W. Wylie	14940	28 May ..	45	12 June.*
Picture-frame	A. W. Jones and S. M. McFarland	14696	1 April ..	30	17 April.*
Picture, Hanging	A. H. Brownley	14878	15 May ..	41	29 May.*
Pigeon-trap	J. Rose	15044	13 June ..	50	27 June.*
Pigments, Lead	A. C. J. Charlier	14862	9 May ..	41	29 May.*
Ping-pong bat	T. Herbert	15032	19 June ..	57	10 July.*

ALPHABETICAL LIST OF INVENTIONS—continued.

Invention.	Name.	Application.		Gazette.	
		No.	Date.	No.	Date.
Ping-pong, Standards used in ..	Australian Manufacturing and Importing Company	14725	8 April ..	34	1 May.
Ping-pong apparatus ..	K. S. Ramsay ..	14795	22 April ..	50	27 June.*
Ping-pong apparatus ..	F. L. Ryan ..	14949	30 May ..	45	12 June.*
Ping-pong racquet ..	H. H. Rayward ..	14793	22 April ..	38	15 May.*
Pin ..	Elliot's Patent Improved Domestic Pin Company (Limited) ..	14589	6 Mar. ..	38	15 May.
Pins, Securing shank, &c. ..	J. Trapski and S. Clarke ..	13937	27 Aug, 1901	38	15 May.
Pipe. (See Tobacco-pipe.)					
Pivoting-arrangement for fanlights, &c. ..	W. Turnbull ..	14978	9 June ..	50	27 June.*
Plate. (See Dinner-plate.)					
Plastic material, Reinforcement of ..	W. J. Baltzer ..	14900	22 May ..	41	29 May.
Pliers for ear-marking cattle, &c. ..	J. D. Tripe ..	13794	5 July, 1901	30	17 April.
Plough-chain, Coupling-hook for ..	N. Ross ..	15011	17 June ..	57	10 July.*
Plough-share ..	A. M. White ..	14827	25 April ..	38	15 May.*
Plough. (See Ditch-plough, Road-plough.)					
Plummer-block ..	D. Murphy ..	14891	19 May ..	41	29 May.*
Pneumatic hub for vehicles ..	J. R. Hayne ..	14850	3 May ..	38	15 May.*
Pneumatic railway-signalling ..	M. Corrington ..	14618	13 Mar. ..	45	12 June.*
Points, Appliance for operating ..	W. Taylor ..	14499	6 Feb. ..	38	15 May.
Pollard, Dropper for phosphorized ..	H. Grass ..	14758	17 April ..	34	1 May.
Pot-stick and washing-tongs ..	W. J. McLean ..	14860	9 May ..	60	24 July.*
Pot. (See Mustard-pot.)					
Potato-digger ..	J. Vorbach ..	14734	2 April ..	34	1 May.
Preservative composition ..	C. W. Langstone and J. C. McKerrow ..	14781	22 April ..	38	15 May.*
Preservingm-coposition ..	T. S. Mullay and W. Sievwright ..	14881	13 May ..	45	12 June.
Preserving. (See Wood-preserving.)					
Press. (See Forage-press.)					
Preventing horses running away with vehicle	F. Matthews ..	14913	24 May ..	45	12 June.*
Printing-plates and matrices for same ..	E. Waters, jun. ..	14807	26 April ..	41	29 May.
Propulsion of cycles ..	H. G. Griminton ..	14972	7 June ..	45	12 June.*
Protecting clothes from dust on wheels ..	R. Caldwell ..	14941	28 May ..	45	12 June.*
Pulling-over machine ..	United Shoe Machinery Company ..	14698	3 April ..	34	1 May.
Pulverising-machine ..	D. S. S. Steuart ..	14776	18 April ..	60	24 July.
Pump, Kerosene ..	F. Watson ..	14895	19 May ..	41	29 May.*
Pump, Operating ..	W. Hinchey, W. J. Hagerty ..	13944	28 Aug., 1901	45	12 June.
Purchase-gear, Single and multi, for controlling horses	J. W. Grattan ..	14874	8 May ..	41	29 May.*
Puttie-legging ..	J. T. Allinson and T. S. Robertson ..	14788	24 April ..	38	15 May.
Rabbit - destruction, Dropper for pasty material for	H. Grass ..	14758	17 April ..	34	1 May.
Rabbit-trap, Attachment to ..	J. T. Good ..	14747	14 April ..	..	..
Rabbit-trap ..	C. C. Forno ..	14794	22 April ..	38	15 May.*
Rabbit-trap ..	W. Rodier ..	14934	29 May ..	45	12 June.*
Rabbits, Exterminating ..	T. G. Russell and A. H. P. Noble ..	15057	28 June ..	57	10 July.*
Race-starting device ..	G. E. Rhodes ..	13967	4 Sept., 1901	45	12 June.
Race-starting gate ..	A. Lyell ..	14744	15 April ..	38	15 May.*
Race-starting gate ..	A. Lyell ..	14962	6 June ..	45	12 June.*
Rackets, Apparatus for playing ..	J. W. Jones ..	13936	27 Aug., 1901	45	12 June.*
Racquet for ping-pong ..	H. H. Rayward ..	14793	22 April ..	38	15 May.*
Railway shunting-lever ..	W. Taylor ..	14499	6 Feb. ..	38	15 May.
Railway-signalling, Pneumatic ..	M. Corrington and F. L. Dodgson ..	14618	13 Mar. ..	45	12 June.
Railways, Electric, Track construction for	J. T. Hunter ..	14879	15 May ..	41	29 May.
Range-finder ..	C. A. Trotter ..	14773	19 April ..	38	15 May.*
Range-finder ..	L. O. Beal, jun. ..	14787	19 April ..	38	15 May.
Ratchet nut-lock ..	G. J. Bertinshaw ..	15055	30 June ..	57	10 July.*
Rat-trap. (See under Trap.)					
Receptacle for liquid under pressure ..	L. J. Bizet ..	15043	27 June ..	57	12 July.*
Refrigerating apparatus, Determining quantity of liquid in	J. Smaill ..	14830	2 May ..	38	15 May.*
Refractory ores, Extracting gold, &c., from	E. Richardson ..	15000	13 June ..	50	27 June.*
Registering and recording machine ..	H. Droulege ..	14772	17 April ..	24	1 May.
Regulator, Damper ..	F. Bonnington ..	15025	23 June ..	57	10 July.*
Regulator, Saw stripper and ..	J. H. Grattan ..	14873	8 May ..	41	29 May.
Reinforcement of plastic material ..	W. J. Baltzer ..	14900	22 May ..	41	29 May.
Remedy for cuts, &c. ..	W. Dawson ..	14771	16 April ..	34	1 May.*
Removing coal from holds of ships ..	F. P. Evans and D. McDougall ..	14861	9 May ..	41	29 May.*
Reservoir-attachment to washstands ..	S. Soffe ..	14965	6 June ..	45	12 June.*
Revolving or stationary canvas targets ..	C. H. Shattky ..	14902	17 May ..	41	29 May.*
Ridges for roofing ..	P. Patten ..	14714	5 April ..	30	17 April.*
Rifle-shooting at short range ..	A. C. Whitney ..	15029	23 June ..	..	..
Road-plough ..	E. H. Grey ..	14738	12 April ..	38	15 May.*
Road-sweeper ..	F. W. Paterson ..	14823	30 April ..	38	15 May.*
Roasting-furnace ..	F. Klepetko and W. J. Evans ..	14888	20 May ..	41	29 May.
Rock-cutting apparatus ..	F. Lobnitz ..	14950	30 May ..	45	12 June.
Rod for wire-fencing ..	A. T. de Bary ..	14730	10 April ..	34	1 May.
Roofing, Ridges for ..	P. Patten ..	14714	5 April ..	30	17 April.*
Root cutter and slicer ..	J. Dunn ..	13845	25 July, 1901	38	15 May.
Rope-making, Extracting gum from fibres) for	V. S. Aston ..	14718	4 April ..	38	15 May.
Rotary engine ..	W. Buckingham ..	15044	27 June ..	57	10 July.
Rotary engine ..	J. L. McMillan ..	14935	29 May ..	50	27 June.
Ruler ..	F. Pegler ..	14926	27 May ..	45	12 June.

ALPHABETICAL LIST OF INVENTIONS—continued.

Invention.	Name.	Application.		Gazette.	
		No.	Date.	No.	Date.
Saddlery-keeper	W. E. Searle	14777	19 April ..	38	15 May.*
Safety-catch for brooch-pins	A. M. Legge	14912	24 May ..	41	29 May.*
Sales-book or counter-check	J. S. Holmes	13826	18 July, 1901	57	10 July.
Sash adjuster, Window	J. H. Pledger	15081	30 June ..	..	..
Sash-fastener	A. F. W. Lorie	15050	24 June ..	57	10 July.*
Sash-fastener	R. F. Smith	15027	19 June ..	..	..
Saw stripper and regulator	J. H. Grattan	14873	8 May ..	41	29 May.
Sawing logs, Machine for	J. Greenacre	14514	11 Feb. ..	50	27 June.
Score and date indicator	G. F. Dale	15009	16 June ..	50	27 June.*
Scoring-apparatus for tennis, &c.	G. F. Dale	14945	31 May ..	45	12 June.*
Scutching-machine, Feeding flax to	W. B. Arlidge	14923	26 May ..	50	27 June.*
Seams of can-bodies, Soldering	G. W. Berry	14933	29 May ..	45	12 June.
Seed-sower	J. Macalister	14495	1 Feb. ..	38	15 May.
Seed-sower	J. Macalister	14704	2 April ..	30	17 April.*
Seed-sower	J. Macalister	14705	2 April ..	30	17 April.*
Seed-sower	J. Macalister	14977	31 May ..	50	27 June.*
Seed-sower	O. Tipton	15041	27 June ..	57	10 July.
Seed-sowing apparatus	M. McCormick	14727	7 April ..	38	15 May.*
Seed-sower attachment	J. F. McNeil	14567	27 Feb. ..	45	12 June.
Seed-sowers, Bores and feed mechanism of	H. V. McKay	14746	14 April ..	38	15 May.*
Seed and manure sower	W. A. Land	15007	16 June ..	50	27 June.
Separator. (See Gold-separator.)					
Separating black-sand from gold in littoral deposits	D. Reid, jun., and J. Nelson	15003	11 June ..	50	27 June.*
Separating fatty substances from emulsions	J. Dahlqvist and C. L. Holm	15038	27 June ..	57	10 July.
Separator, Centrifugal	C. A. E. Andersen	14775	18 April ..	38	15 May.
Separator, Magnetic ore	F. J. King	14810	1 May ..	41	29 May.
Separating magnetic materials	J. H. A. McPhee	14849	3 May ..	38	15 May.
Sewage, Filter-trap for	P. Patten	14713	5 April ..	30	17 April.*
Sewing-palms	J. Pomeroy	15060	27 June ..	57	10 July.*
Sewing-thimbles	J. Pomeroy	15059	27 June ..	57	10 July.*
Shaft, Fastening machinery to	W. H. Gordon	14761	17 April ..	45	12 June.
Shank-attachment for door-knobs	J. E. A. Frost	14927	23 May ..	45	12 June.*
Shears	H. Nichol	14938	26 May ..	45	12 June.*
Sheep-shears	J. Pomeroy	14829	2 May ..	38	15 May.*
Sheep-shears	W. Nicol	15002	11 June ..	50	27 June.*
Sheep-shears	C. J. Shipway and H. May	14932	29 May ..	45	12 June.*
Shield for end of stay-busks	A. F. Wall	14703	4 April ..	30	17 April.*
Ships, Removing coal from	F. P. Evans and D. McDougall	14861	9 May ..	41	29 May.*
Ship's bottom, Composition for	T. S. Mullay and W. Sievwright	14881	13 May ..	45	12 June.
Shunting-lever	W. Taylor	14499	6 Feb. ..	38	15 May.
Signalling. (See Railway-signalling.)					
Signalling at facing-points	J. S. Kirkpatrick	14995	9 June ..	50	27 June.
Siphon	O. H. Gilby and J. A. Harrow	13959	31 Aug., 1901	38	15 May.
Siphon	J. H. M. Brown	14838	5 May ..	38	15 May.
Siphon, Kerosene	G. F. Hutchinson and G. W. Symmans	14951	4 June ..	45	12 June.
Skirt	S. Hutchins	14892	21 May ..	41	29 May.
Sleeve, and means of securing to tumbler-shaft	J. Murison	14683	25 March ..	45	12 June.
Sleeve, securing to tumbler-shaft	J. Murison and C. L. Watt	14808	26 April ..	48	15 May.*
Slicer. (See Bacon-slicer.)					
Slicer, Ham and bacon	G. Carrington	14701	2 April ..	30	17 April.*
Smoke-stack, Spark-stopper for	H. Gunn	14859	6 May ..	41	29 May.*
Snatch-block for steel ropes, &c.	W. S. Hutcheson	14800	28 April ..	38	15 May.*
Soldering seams of can-bodies	G. W. Berry	14933	29 May ..	45	12 June.
Sower, Discharge for	P. and D. Duncan, Limited	14296	29 Nov., 1901	41	29 May.
Sound-trumpets of graphophones	W. C. Runge	15047	27 June ..	57	10 July.
Spark-arrester	E. A. Cameron	15019	16 June ..	57	10 July.*
Spark-arrester	D. Drummond	14247	21 Nov., 1901	41	29 May.
Spark-arrester	S. C. and D. W. Harwood	14385	30 Dec., 1901	41	29 May.
Spark-arrester	F. E. Rogers and E. Hosking	14958	5 June ..	45	12 June.*
Sparks, Extinguishing, from boilers	C. W. Haines	14857	8 May ..	41	29 May.*
Spark-stopper	H. Gunn	14859	6 May ..	41	29 May.*
Spindle attachment for door-knobs	J. E. A. Frost	14927	23 May ..	45	12 June.*
Spindle, Securing door-knob to	T. B. Jacobsen	14851	6 May ..	38	15 May.*
Spotting-disc for canvas target, Fixing	O. H. Shattky	14901	17 May ..	41	29 May.*
Spouting-bracket	W. H. Ballinger	13778	4 July, 1901	30	17 April.
Spouting	J. P. Evans	14942	24 May ..	57	10 July.*
Sprayer	F. and T. Mercer, and G. D. J. Duck	14707	5 April ..	38	15 May.
Spreader, for draught-chains	W. H. Reynolds	14722	8 April ..	30	17 April.*
Spring hook	W. Borlase and A. Taylor	14998	9 June ..	50	27 June.*
Spring hook. (See Hook.)					
Spur	L. D. Robertson	14975	5 June ..	50	27 June.*
Stamp-mill	C. E. Billin	14728	10 April ..	34	1 May.
Stand for ping-pong apparatus	K. S. Ramsay	14795	22 April ..	50	27 June.*
Standards, Ping-pong	Australian Manufacturing and Importing Company	14725	8 April ..	34	1 May.
Standard for ping-pong	K. S. Ramsay	14795	22 April ..	50	27 June.*
Standard for use in table-tennis	J. Burns	14915	23 May ..	41	29 May.*
Staples for wire fences	T. A. Trumble	15036	23 June ..	57	10 July.*
Starting-gate	A. Lyell	14744	15 April ..	38	15 May.*
Starting-gate	A. Lyell	14962	6 June ..	45	12 June.*
Starting horse-race, Device for	G. E. Rhodes	13967	4 Sept., 1901	45	12 June.

ALPHABETICAL LIST OF INVENTIONS—continued.

Invention.	Name.	Application.		Gazette.	
		No.	Date.	No.	Date.
Stationery envelopes	Elliot's Patent Lock Envelope Company, Limited	14931	29 May ..	45	12 June.
Stay-busks, Shield for ends of	A. F. Wall	14708	4 April ..	30	17 April.*
Stays, Lacing	K. Raymond	14976	4 June ..	50	27 June.*
Steam-boiler, High-pressure gauge-glass for	R. P. Gibbons	14770	14 April ..	34	1 May.*
Steam, Generation and utilisation of	P. C. Louat	14821	2 May ..	41	29 May.*
Steam-turbine blades	Hon. C. A. Parsons	14905	23 May ..	45	12 June.
Steam to furnace, Supplying ..	G. Claydon	15061	30 June ..	57	10 July.*
Step-by-step motions, Communicating	W. Kingsland	14993	12 June ..	50	27 June.
Step-ladder and chair	J. M. Armour	15067	28 June ..	57	10 July.*
Stoker, Chain grate	J. Chambers and Son	14671	25 March ..	50	27 June.
Stoker, Chain grate	J. Chambers and Son	14672	25 March ..	50	27 June.
Stone-cutting and shaping machine	P. Lanigan	14925	22 May ..	45	12 June.
Stopper, Bottle and	H. R. Bell	14743	15 April ..	34	1 May.*
Stopper. (See Spark-stopper.)					
Stoves	E. R. Cahoon	14956	5 June ..	45	12 June.
Strappings for horse-cover	J. Neagle	14854	7 May ..	41	29 May.*
Straw-matting and looms for same	W. Wattie	15040	27 June ..	57	10 July.
Street-sweeper	T. Russell	14921	26 May ..	45	12 June.*
Stretcher. (See Trouser-stretcher.)					
Stripper. (See Saw-stripper, Flax-stripper.)					
Stump-jumping harrow	E. J. and W. R. Hume	14816	1 May ..	38	15 May.
Sugar, sugar liquor, Treating ..	Federal Refining Company	14739	11 April ..	34	1 May.
Sun, Making industrial use of heat of	M. A. G. Himalaya	14082	3 Oct., 1901	50	27 June.
Support, Bicycle	G. Gubbins and T. Gubbins	14893	16 May ..	45	12 June.
Supplying steam and air to furnaces	G. Claydon	15061	30 June ..	57	10 July.*
Suspenders, Garment	R. H. Iggo	14834	1 May ..	38	15 May.*
Sweeper. (See Road-sweeper, Street-sweeper.)					
Switches, Controlling electric	W. Kingsland	14993	12 June ..	50	27 June.
Syphon. (See Siphon.)					
Table-croquet	M. L. Humm	14974	9 June ..	54	27 June.*
Table, Extensible	C. E. Page	15006	16 June ..	50	27 June.
Table game of bowls	T. Ussher	14911	21 May ..	41	29 May.*
Table game of cricket	C. E. Nicholas	14819	2 May ..	38	15 May.
Table game of rackets	J. W. Jones	13936	27 Aug., 1901	45	12 June.
Table-tennis, Apparatus for	F. L. Ryan	14937	28 May ..	45	12 June.*
Table-tennis, Apparatus for	F. L. Ryan	14949	30 May ..	45	12 June.*
Table-tennis, Bat for	T. W. Witt	14852	6 May ..	38	15 May.*
Table-tennis, Standard for	J. Burns	14915	23 May ..	41	29 May.*
Table-tennis, Scoring apparatus for	G. F. Dale	14945	21 May ..	45	12 June.*
Table-tennis, Upright and extension for	P. R. Williamson and D. Sinclair	14783	21 April ..	38	15 May.*
Tailings, Apparatus for removing	J. H. A. McPhee and J. E. L. Cull	13756	26 June, 1901	38	15 May.
Tailings, Elevating	J. Scott and H. F. Nees	15005	13 June ..	50	27 June.*
Tank	J. Smethurst	14754	17 April ..	34	1 May.*
Tap. (See Kerosene-tap.)					
Tap	C. M. Cruickshank	14946	29 May ..	50	27 June.*
Target	N. E. Jackson and K. C. Jackson	14914	24 May ..	41	29 May.*
Target	C. H. Shattky	14902	17 May ..	41	29 May.*
Target	M. J. Lister	14908	23 May ..	41	29 May.*
Targets, Securing spotting-discs to	C. H. Shattky	14901	17 May ..	45	12 June.*
Tea, Machine for packing, &c.	N. A. Nathan and F. D. Buckley	13963	30 Aug., 1901	38	15 May.*
Telegraphy. (See Electric Telegraphy.)					
Telegraph-wire, Uncoiling of	Q. A. McIlwraith	15065	27 June ..	57	10 July.*
Telescope-ladder, Lock for	C. Tandy	14841	5 May ..	41	29 May.*
Tenders for locomotives, Charging, with water	J. Harrington	13915	19 Aug., 1901	38	15 May.
Tennis. (See Table-tennis.)					
Textile letter-tracings	G. Pulman	14909	21 May ..	50	27 June.*
Thimble, Sewing	J. Pomeroy	15059	27 June ..	57	10 July.*
Tire for vehicle-wheels	C. Tandy	14842	5 May ..	45	12 June.*
Tire-lining	J. J. Daily	14291	27 Nov. ..	50	27 June.
Tires, Cleaning mud from	B. T. Hayward and R. A. Gibson	14877	15 May ..	41	29 May.*
Toaster. (See Bread-toaster.)					
Tobacco-pipe, Ferrule for	T. J. Gilfedder and J. McKinna	14840	5 May ..	38	15 May.*
Tobacco-pipe	E. T. Towgood, Y. S. Towgood, and J. Allison	14774	19 April ..	38	15 May.*
Tobacco-pipes	C. Peterson	15016	19 June ..	57	10 July.
Tool, Combination	C. Henry and W. Giesler	14786	21 April ..	..	..
Tool for forming necks of bottles	Universal Seal and Stopper Company	14886	20 May ..	41	29 May.
Totalisator, Registering and recording machine for use with	H. Droutlege	14772	17 April ..	34	1 May.
Track-construction for electric-railways	J. T. Hunter	14879	15 May ..	41	29 May.
Traction on wooden tramways	W. L. Luxford	15056	30 June ..	57	10 July.*
Tram-lines, Cleaning grooves of	F. A. Jones, O. Bowman, G. McMullen, and A. Rankin	14863	9 May ..	..	..
Transporting milk, Means for	F. H. Aussel	14981	10 June ..	50	27 June.
Trap, Animal	A. J. Espie	14767	15 April ..	41	29 May.
Trap, Drain	H. H. Twenlow	14897	16 May ..	41	29 May.*
Trap, Filter, For sewage, &c. ..	P. Patten	14713	5 April ..	30	17 April.*
Trap for liberating pigeons	J. Rose	15004	13 June ..	50	27 June.*
Trap. (See Rabbit-trap.)					

ALPHABETICAL LIST OF INVENTIONS—continued.

Invention.	Name.	Application.		Gazette.	
		No.	Date.	No.	Date.
Trapping rats	E. T. Towgood and F. H. Haselden	15031	23 June ..	57	10 July.*
Trousers, Stretching	C. Bristow	14805	29 April ..	38	15 May.*
Truck for street-cars	A. J. Park	14986	7 June ..	50	27 June.*
Truck-bolster for street-cars	A. J. Park	14988	7 June ..	50	27 June.*
Truck	A. J. Park	14987	7 June ..	50	27 June.*
Trumpet. (See Ear-trumpet, Sound-trumpet.)					
Truss	E. O'Connor	14839	5 May ..	38	15 May.
Tumbler, Securing sleeve to	J. Murison and C. L. Watt	14808	26 April ..	38	15 May.*
Tumbler shaft, Sleeve for	J. Murison	14683	25 March ..	45	12 June.
Turbine. (See Steam-turbine.)					
Turner. (See Music-turner.)					
Turnip-sowing attachment to machine	J. F. McNeill	14567	27 Feb. ..	45	12 June.
Umbrella	J. Clegg	14802	28 April ..	41	29 May.
Uncoiling of wire, Apparatus for	Q. A. McIlwraith	15065	27 June ..	57	10 July.*
Urinals, Automatic flushing latrines and	J. L. Williams	14687	1 April ..	30	17 April.*
Valves, Water-closet	J. Cook	14880	15 May ..	41	29 May.*
Vaporising water	F. J. Maindonald	14848	6 May ..	38	15 May.
Variable gearing for velocipedes	J. Archer	14916	21 May ..	45	12 June.
Vehicle-brake	J. McIntosh and P. Scoringe	14894	20 May ..	50	27 June.*
Vehicle, Look for wheel of	F. Matthews	14953	4 June ..	45	12 June.*
Vehicle, Tire for wheel of	C. Tandy	14842	5 May ..	45	12 June.*
Vehicle, Under frame of	F. H. Ausseil	14780	22 April ..	38	15 May.
Vehicles, Flap-attachment to	R. Caldwell	14941	28 May ..	45	12 June.*
Vehicles, Preventing horses running away with	F. Matthews	14913	24 May ..	45	12 June.*
Vehicles, Spreader for draught chains of	W. H. Reynolds	14722	8 April ..	30	17 April.*
Veil, Securing	E. Milsom and J. Stewart	15062	30 June ..	57	10 July.*
Velocipede-gearing	J. Archer	14916	21 May ..	45	12 June.
Venetian blind	E. Milsom and J. Stewart	14944	31 May ..	45	12 June.*
Ventilating halls, &c.	J. D. Kelly, D. P. Fisher, and N. V. G. Wix	14952	4 June ..	45	12 June.*
Ventilator	H. T. M. Ross	14884	14 May ..	41	29 May.*
Ventilator	W. Craig	14875	10 May ..	41	29 May.*
Vermin, Destruction of	C. Robinson	15046	27 June ..	57	10 July.
Vessel for treating gold-ores in	F. C. Brown and S. D. McMiken	14883	12 May ..	41	29 May.
Voting-machine	F. A. Bardwell	14791	24 April ..	38	15 May.
Voting-apparatus, Registering and recording machine for use with	H. Droulge	14772	17 April ..	34	1 May.
Wagon for carrying bucket	H. W. Lovegrove	14928	24 May ..	60	24 July.*
Walking-stick, Ferrule for	S. J. Gilfedder and J. McKinna	14840	5 May ..	38	15 May.*
Walls, Dusting and cleaning	H. H. Henderson	14955	5 June ..	45	12 June.*
Washing-board	W. S. Ayson	14970	7 June ..	45	12 June.
Washing-copper	C. Slemitz	15064	30 June ..	57	10 July.*
Washing-fluid	M. Kennedy	14954	4 June ..	50	27 June.*
Washing-machine	W. C. Wall	14755	17 April ..	34	1 May.*
Washing tongs and potstick	W. J. McLean	14860	9 May ..	..	..
Washstands, Reservoir-attachment to	S. Soffe	14965	6 June ..	45	12 June.*
Washing. (See Fibre-washing, Flax-washing.)					
Waste-converter	A. E. Niccolls	15033	24 June ..	71	4 Sept.*
Weatherboard	W. J. Prouse	14922	26 May ..	45	12 June.
Well-driving	G. L. Pearson	14904	23 May ..	41	29 May.
Wharf-pile composition	T. S. Mullay and W. Sievwright	14881	13 May ..	..	..
Wheel-lock	A. Cooper	14920	26 May ..	41	29 May.*
Wheel-hub	J. R. Hayne	14850	3 May ..	38	15 May.*
Wind-mills, Mechanism for	R. Nicholas	14929	27 May ..	45	12 June.
Window-fastener	F. W. Preddy	15026	20 June ..	57	10 July.*
Window-fastening	W. T. Michelli	15010	17 June ..	57	10 July.*
Window-sash adjuster	J. H. Pledger	15081	30 June ..	..	..
Window-sash fastener	R. F. Smith	15027	19 June ..	..	..
Window	R. S. Reid	14867	10 May ..	41	29 May.*
Window-swinging, Pivoting-arrangement for	W. Turnbull	14978	9 June ..	50	27 June.*
Wire-bars, Manufacture of compound	R. D. Sanders	14813	1 May ..	38	15 May.*
Wire-clip	A. S. Band	15013	19 June ..	57	10 July.
Wire-fences	E. J. and W. R. Hume	14817	1 May ..	38	15 May.
Wire-fencing, Rod for	A. T. de Bary	14730	10 April ..	34	1 May.
Wire-rod fastener	J. Irvine	14745	14 April ..	38	15 May.*
Wire-strainer	W. Borlase	14443	15 Jan. ..	41	29 May.
Wire-strainer	J. McNarry	14996	10 June ..	50	27 June.*
Wire-strainer	F. H. Porter	14979	9 June ..	50	27 June.*
Wire-strainer	A. Williams	15051	27 June ..	57	10 July.*
Wire-tightener	W. Borlase	14876	10 May ..	41	29 May.*
Wire, Uncoiling of	Q. A. McIlwraith	15065	27 June ..	57	10 July.*
Wood-preserving	J. L. Ferrell	14726	7 April ..	34	1 May.
Wood-preserving	J. L. Ferrell	14792	24 April ..	38	15 May.
Wooden tramway, Traction on	W. L. Luxford	15056	30 June ..	57	10 July.*
Wool, Removing oil and fat from	A. Born	14989	12 June ..	50	2 June.*
Wrench	W. Borlase and A. Taylor	14999	9 June ..	50	2 June.*

List of Applicants for Registration of Designs.

ALPHABETICAL list of applicants for registration of designs during quarter ending 30th June, 1902.

Name and Address.	No. of Class.	Design.		Gazette.	
		No.	Date.	No.	Date.
Barry, S., Palmerston North, N.Z.	5	154	18 April ..	34	1 May.
Carolin, J. P., Melbourne, Vic.	12	155	13 March ..	38	15 May.
Nicholas, R., Christchurch, N.Z.	1	156	29 May ..	45	12 June.
Tait, J., Wellington, N.Z.	5	158	24 June ..	57	10 July.
Turnbull, Hickson, and Gooder, Wellington, N.Z.	5	157	6 June ..	45	12 June.

List of Applicants for Registration of Trade Marks.

ALPHABETICAL list of applicants for registration of trade marks for quarter ending 30th June, 1902 (including also applications lodged prior to but gazetted during such quarter).

Name.	Address.	Class.	Application.		Gazette.	
			No.	Date.	No.	Date.
Adams, J.	Auckland	38	3741	10 April ..	..	..
Adams and Co., J. (See J. Adams.)	.. ..	..	..	..	..	..
Adams Star Cycle Company	Christchurch	40	3796	27 May ..	41	29 May.
Allen and Hanburys, Limited	London	3	3806, 9, 3810	4 June ..	45	12 June.
Allen and Hanburys, Limited	London	42	3807, 3811	4 June ..	45	12 June.
Allen and Hanburys, Limited	London	50	3808	4 June ..	45	12 June.
American Tobacco Company	New York	45	3764	17 April ..	34	1 May.
Anglo-Indian Importing Company	Christchurch	42	3780	2 May ..	..	..
Ashton, Limited, T. A.	Sheffield	37	3583	6 Nov., 1901	38	15 May.
Ashton, Limited, T. A.	Sheffield	37	3783	9 May ..	38	15 May.
Auckland Butter Company. (See G. Campbell.)	.. ..	..	..	..	..	..
Australian Manufacturing and Importing Company	Christchurch	49	3778	1 May ..	38	15 May.
Australian Manufacturing and Importing Company	Christchurch	49	3785	10 May ..	..	..
Baldwin and Partners, Limited, J. and J.	Halifax	38	3637	30 Dec., 1901	30	17 April.
Bayer and Co., C.	London	38	3832, 4	24 June ..	50	27 June.
Bayer and Co., C.	London	38	3833	24 June ..	..	..
Berry and Co., H.	Christchurch	42	3788	19 May ..	..	..
Bickmore Gall Cure Company	Old Town, U.S.A. ..	2	3837	27 June ..	..	..
Birks, W. H.	Adelaide	48	3735	1 April ..	30	17 April.
Brown, J.	Hokitika	6	3760	14 April ..	..	..
Brown, W. W.	Portsmouth	38	3758	12 April ..	34	1 May.
Brunner, Mond, and Co., Limited	Northwich	42	3606	22 Nov., 1901	38	15 May.
Campbell, G.	Auckland	42	3821, 2	12 June ..	..	..
Cave's Solid Beer Syndicate, Limited..	London	42	3740	7 April ..	30	17 April.
Claridge, E.	Papanui	50	3779	1 May ..	38	15 May.
Clark and Co., Limited, R. I.	London and Sydney ..	1	3792	22 May ..	41	29 May.
Clarke and Co., I. P.	Leicester	23	3797-9, 3801	28 May ..	71	4 Sept.
Clarke and Co., I. P.	Leicester	23	3800	28 May ..	..	..
Clayton, E. M.	Auckland	42	3825	14 June ..	..	..
Colegroove, G., and another	Wellington	42	3802	29 May ..	45	12 June.
Crichton, J.	Wanganui	50	3817	9 June ..	50	27 June.
Crichton and Newman. (See J. Crichton.)	.. ..	..	..	..	..	..
Crucible Steel Company of America ..	Pittsburg	5	3786	9 May ..	50	27 June.
Crucible Steel Company of America ..	Jersey City	5	3787	16 May ..	45	12 June.
Curtis's and Harvey, Limited	London	20	3755	12 April ..	34	1 May.
Duerdin and Sainsbury. (See R. P. Francis.)	.. ..	..	..	..	..	..
Dunedin Operative Bootmakers' Co-operative Society	Dunedin	38	3759	14 April ..	41	29 May.
Dutton, P.	Dunedin	3	3774	25 April ..	..	..
Eltham Co-operative Dairy Factory Company, Limited	Eltham, N.Z.	42	3828	17 June ..	50	27 June.
Ferguson, A. G.	Dunedin	22	3814	6 June ..	45	12 June.
Francis, R. P.	Melbourne	43, 44	3772, 3	24 April ..	75	18 Sept.
Frossard, Levic, and Co. (See F. Levic.)	.. ..	..	..	..	..	..
Fulford, C. E.	Sydney	3	3791	22 May ..	..	..
Fulford and Co., C. E. (See C. E. Fulford.)	.. ..	..	..	..	..	..
Gerstendorfer Bros.	New York	1	3823	12 June ..	50	27 June.
Gilbertson and Co., Limited, W.	Pontardawe, Wales ..	5	3752	10 April ..	30	17 April.
Gilbey, Limited, W. and A.	London	43	3838	27 June ..	60	24 July.
Gollin and Company Proprietary, Limited	Melbourne	43	3733	1 April ..	30	17 April.
Gollin and Company Proprietary, Limited	Melbourne, Sydney, Adelaide, and Wellington	42	3789	22 May ..	45	12 June.

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

Name.	Address.	Class.	Application.		Gazette.	
			No.	Date.	No.	Date.
Goodley, H., and another	Tologa Bay, N.Z.	3	3734	1 April	..	..
Grapes and Co., G. H.	Paraparaumu, N.Z.	42	3793	22 May	60	24 July.
Hamley Bros.	London	49	3795	24 May	..	..
Hayward Bros., Limited	Christchurch	42	3761, 2	14 April	..	..
Hayward Bros., Limited	Christchurch	42	3763	14 April	34	1 May.
Hayward Bros., Limited	Christchurch	42	3769	24 April	34	1 May.
Heather, Robertson, and Co.	Auckland	43, 44	3742, 3	10 April	30	17 April.
Johnson and Nephew, Limited, R.	Manchester	5	3776	29 April	38	15 May.
Keystone Watch-case Company, The	Philadelphia	10	3426	22 June, 1901	50	27 June.
Kincaid, T., and another	Christchurch	42	3802	29 May	45	12 June.
Lane, D. G.	Waikare, N.Z.	42	3766	15 April	34	1 May.
Laurie, W. S.	Auckland	2	3813	6 June	..	..
Laurie and Co., W. S. (See W. S. Laurie.)						
Levie, F.	Sydney	45	3824	12 June	50	27 June.
Liebig's Extract of Meat Company, Limited	London and Antwerp	42	3765	17 April	71	4 Sept.
London, W. T.	Kimbolton, N.Z.	42	3298	8 Feb., 1901	34	1 May.
Lucas and Co., W. F.	London	38	3790	22 May	60	24 July.
Luke, J. P.	Wellington	3	3738	3 April	30	17 April.
Mackenzie Bros.	Allness, Scotland	43	3756, 7	12 April	34	1 May.
McLean, D.	Greymouth	42	3794	23 May	41	29 May.
Melbourne Chilled Butter and Produce Company Proprietary, Limited	Melbourne	42	3665	30 Jan.	50	27 June.
Melbourne Chilled Butter and Produce Company Proprietary, Limited	Melbourne	42	3666	30 Jan.	38	15 May.
Myers and Co., J.	Wellington	45	3839	30 June	..	..
Myers and Co., J.	Wellington	45	3840	30 June	71	4 Sept.
New Sunlight Incandescent Company (1900), Limited	London	18	3767	19 April	34	1 May.
Nimmo and Blair	Dunedin	2	3805	23 June	50	27 June.
North New Zealand Packing Syndicate	Auckland	42	3775	29 April	38	15 May.
Ogden's, Limited	Liverpool	45	3770	24 April	38	15 May.
Ogden's, Limited	Liverpool and Sydney	45	3784	9 May	38	15 May.
Ogden's, Limited	Liverpool and Sydney	45	3812	5 June	45	12 June.
Paraffine Paint Company	San Francisco	17	3739	3 April	50	27 June.
Porter and Co., Limited, R.	London	42	3751	10 April	30	17 April.
Prestwich, S. and J.	Manchester	24	3753	10 April	30	17 April.
Ramsbottom, Lyons, and Co., Limited	London, Manchester, and Rochdale	39	3835	24 June	57	10 July.
Rattray and Son, J.	Dunedin	42	3804	2 June	50	27 June.
Rigby, Battock, and Co.	London	50	3768	21 April	34	1 May.
Rodier, W.	Cobar, N.S.W.	13	3803	29 May	45	12 June.
Sargood, Son, and Ewen	Auckland	38	3826	14 June	50	27 June.
Sargood, Son, and Ewen	Auckland	38	3827	14 June	71	4 Sept.
Scott and Co., Limited, P.	Hawick, N.B.	38	3737	3 April	30	17 April.
Slee, Slee, and Co., Limited	London	42	3831	19 June	57	10 July.
Smith, C. E., and another	Tologoa Bay, N.Z.	3	3734	1 April	..	..
Turner, D. L.	Wellington	3	3815	7 June	75	18 Sept.
Union Bag and Paper Company	Jersey City	39	3725, 6	24 March	34	1 May.
Union Bag and Paper Company	Jersey City	39	3782	8 May	41	29 May.
Union Oil, Soap, and Candle Company, Limited	Auckland	47	3754	12 April	34	1 May.
United Farmers' Co-operative Association	Palmerston North	42	3836	24 June	60	24 July.
Vacuum Oil Company	Rochester, Melbourne, Wellington, &c.	47	3703	13 March	45	12 June.
Walker and Hall	Sheffield	14	3574	30 Oct., 1901	38	15 May.
Walker, E. E.	Waihi, N.Z.	47	3829	17 June	50	27 June.
Watson and Co., Limited, J.	Dundee	43	3732	1 April	34	1 May.
Watson and Co., Limited, J.	Dundee	43	3771	24 April	34	1 May.
Watson and Co., Limited, J.	Dundee	43	3830	19 June	57	10 July.
Webendorfer Bros.	Sydney	19	3736	2 April	..	..
Wells, I.	Thames, N.Z.	48	3816	7 June	45	12 June.
Wiles, H. O.	Auckland	1	3781	6 May	38	15 May.
Wilson, Balk, and Co.	Dunedin	42	3730	1 April	27	3 April.
Winterbottom Book-cloth Company, Limited	Manchester	39	3744-3750	10 April	30	17 April.
Wiseman and Son, J.	Auckland	37	3718-3720	10 June	60	24 July.
Woodhouse, A.	Dunedin	3	3777	30 April	50	27 June.
Worrall, Limited, J. and J. M.	Salford, England	24	3731	1 April	34	1 May.