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Note.—Throughout this *Gazette* the names in Italics within parentheses are those of Communicators of Inventions.

Complete Specifications.

Patent Office, Perth,
1st September, 1899.

NOTICE is hereby given that the undermentioned Applications for the Grant of Letters Patent, and the Complete Specifications annexed thereto, have been *accepted*, and are now open to public inspection at this Office.

Any person or persons intending to oppose any of such applications must leave particulars, in writing, in duplicate (on Form D), of his or their objections thereto, within two calendar months from the first appearance of this advertisement in the Western Australian *Government Gazette*. A fee of Ten shillings (10s.) is payable with such notice.

Application No. 2432.—GEORGE WESTINGHOUSE, of Westinghouse Building, Pittsburgh, in the County of Allegheny, State of Pennsylvania, United States of America, Manufacturer, "*Improvements in Electro-pneumatic Controlling Apparatus.*"—Dated 20th March, 1899.

Claims:—

1. An electric pneumatic mechanism so constructed and arranged that a mechanical device forming a portion thereof can be caused to execute a step by step movement in one direction or a complete retrograde movement in a single step by the application of fluid pressure, the supply of which is governed by electro-magnetic devices, substantially as described.

2. A modified form of the mechanism as claimed in Claim 1, so arranged that some of the steps in the forward movement of the mechanical device are larger than others.

3. In combination with the mechanism claimed in Claim 1, an additional pneumatically operated piston, the stem of which acts as a stop to prevent the mechanical device moving forward more than one step at a time, said piston being projected in its cylinder by fluid pressure which is automatically admitted after the mechanical device has been moved forward a short distance.

4. For electric motors, a controller operated by fluid pressure which is governed by electro-magnetic means, substantially as described with reference to Figures 1-7 of the drawings, either with or without the device for operating the reversing switch.

5. In a controller for electric motors a reversing switch, the shaft of which is operated by fluid pressure acting on pistons connected with said shaft, the application of fluid pressure being governed by electro-magnetic devices.

6. A circuit breaker in which the movable member can be re-set so as to make the circuit by admitting fluid under pressure to a cylinder having a piston which is in mechanical connection with the movable member, and can be operated to break the circuit by closing a circuit including an electro-magnet and thereby admitting fluid under pressure to a cylinder to act on a piston, the movement of which piston trips the releasing apparatus of the breaker.

7. A combination of the reversing switch mechanism claimed in Claim 5 with the circuit breaker claimed in Claim 6, in which the pneumatic cylinders of the former are connected with the cylinder of the latter, whereby the circuit breaker is caused to make the circuit at the commencement of the operation of the reversing switch.

8. A circuit breaker so arranged that it cannot be re-set and the circuit made after being automatically interrupted unless the main controller is in its zero position, and until the reversing switch is operated.

9. A pneumatically operated circuit breaker constructed substantially as described with reference to Figures 14-18 of the drawings.

10. A governing device for controlling electro circuits which regulate the operation of pneumatic appliances, so arranged that after the commencement of such operation the electric circuit is automatically broken at the governing device, and the parts returned to their initial position.

11. For electro-pneumatically operated mechanism a governing device constructed and operated substantially as described with reference to Figures 8 to 13 of the accompanying drawing.

12. For a train of electric vehicles an electro-pneumatic circuit breaker combined with an air brake mechanism, so that the operation of the brakes causes the circuit breaker to interrupt the circuit.

13. In an electric vehicle, the combination with an air brake system of controlling device for the electric motors combined with the air brake cylinder, so that the operation of the brake automatically causes the electric controller to return to its zero position and so cuts the motors out of circuit.

Specification, £1 5s. Drawings on application.

Application No. 2479.—HARRY PHILLIPS DAVIS, of 327 Neville Street, Pittsburgh, in the County of Allegheny, State of Pennsylvania, United States of America, and FRANK CONRAD, of 709 Whitney Avenue, Wilkinsburg, in the County of Allegheny, aforesaid, Electrical Engineers, "*Improvements in Alternating Current Measuring Instruments.*"—Dated 22nd April, 1899.

Claims:—

1. For an electrical measuring instrument an armature or secondary member consisting of a disc having a radii of different length, for the purpose specified.

2. The combination of an instrument for measuring alternating currents, of a non-inductive resistance connected as a shunt to the primary coil, the temperature resistance co-efficient of said resistance being at least as great as that of the armature of the instrument for the purpose specified.

3. The combination with an instrument for measuring alternating electro-motive forces of a non-inductive resistance connected in series with the primary coil and having a low temperature resistance co-efficient for the purpose specified.

4. In an alternating current measuring instrument, a closed demagnetising coil on the actuating magnet, said coil having a high temperature resistance co-efficient so as to render the instrument substantially independent of changes of temperature.

5. Measuring instruments constructed substantially as described with reference to the accompanying drawings.

Specification, 10s. 6d. Drawings on application.

Application No. 2480.—CHARLES FELTON SCOTT, of 6214 Sellers Street, Pittsburgh, in the County of Allegheny, State of Pennsylvania, United States of America, Electrical Engineer, "*Improvements in systems of Electrical Distribution.*"—Dated 2nd August, 1899.

Claims:—

1. Converting a multiple wire single-phase alternating current system feeding translating devices in multiple series into a four-wire two-phase system by connecting the neutral or middle conductor and a fourth wire respectively to the terminals of a circuit carrying currents in quadrature with those in the multiple wire system.

2. The modification of the invention in which the middle or neutral conductor of the multiple wire system and the fourth conductor are respectively connected to the terminals of the secondary coil of a transformer the current in the primary coil of which it is in quadrature with the current in the outer or main conductors of the multiple wire system.

3. Systems of electrical distribution arranged substantially as hereinbefore described.

Specification, 6s. Drawings on application.

Application No. 2517.—ROBERT HANITCH HASSLER, of Indianopolis, Ind., 536 Illinois Street, North, United States of America, Electrical Engineer, "*Improvements in Speed Varying Devices, and Electric Motors for use therein.*"—Dated 15th August, 1899.

Claims:—

1. An induction motor, the number of poles in the primary member of which can be changed by reversing the direction of the current in certain portions of the primary winding with reference to the core in such a manner that the winding is always connected in series.

2. An induction motor, the primary winding of which is divided into two sections connected in series, one of said sections embracing twice as many poles as the other section, the direction of current in one of the sections being able to be reversed relatively to the direction of current in the other section substantially as and for the purpose specified.

3. Induction motors having a primary winding arranged substantially as described with reference to the accompanying drawings.

Specification, 8s. Drawings on application.

Application No. 2606.—JOHN JAMES CHRISTMAS, of Adelaide, South Australia, Mining Agent, "*Improvements in Lead Bath Apparatus for the Treatment of Metalliferous Materials.*"—Dated 18th July, 1899.

Claims:—

1. In apparatus for the treatment of metalliferous materials by means of a lead bath, a stirrer having a number of arms consisting of rods turned upon themselves in the manner substantially as herein described, such stirrer acting upon the surface and being preferably attached to the device for introducing the material below the surface of the bath.

2. In apparatus for the treatment of metalliferous materials by means of a lead bath, the combination with a worm or other device for introducing the material below the surface of the lead bath, of a stirrer carried round by the worm, and having a number of arms consisting of rods turned upon themselves in the manner substantially as herein described.

3. The herein described apparatus for the treatment of metalliferous materials by means of a lead bath consisting essentially of a bath arranged in the form of a narrow trough and having a stirrer, the outer arms of which revolve in close proximity with the inner sides of the bath, attached to the worm or other device for introducing the material below the surface of the lead bath, substantially as herein described.

4. In apparatus for the treatment of metalliferous materials by means of a lead bath, constructing the bath in the form of a trough of such width that the stuff discharged from the worm or other device for introducing the same below the surface of the molten lead cannot escape to the surface without coming within the sphere of the revolving stirrers, substantially as herein described.

5. In apparatus for the treatment of metalliferous materials by means of a lead bath, constructing the bath in the form of a trough of such width that the material as discharged from the worm or other device for introducing the same below the surface of the molten lead cannot escape to the surface without coming within the sphere of the revolving stirrers, the inner side of such bath being on a lower level than the outer side, in such manner that the tailings after treatment in the bath are discharged into a side trough, substantially as herein described.

Specification, 7s. Drawings on application.

Application No. 2608.—ADFRED JACOB STERNE, of 253 Broadway, New York, United States of America, Inventor.—"*Igniting device for Gas Burners.*"—Dated 21st July, 1899.

Claims:—

1. An automatic lighter for gas burner consisting of an igniting body, a thermostat and means whereby the thermostat causes the igniting body to move to and from the gas jet, substantially as described.

2. An automatic lighter for a gas burner consisting of an igniting body, a movable support to carry the igniter to and from a position close to the jet orifice, a thermostat, and means whereby the thermostat actuates said igniter support.

3. An automatic lighter for a gas burner consisting of an igniting body, a thermostatic bar arranged to cross the flame near the jet orifice and means whereby the contraction and expansion of the thermostatic bar moves the igniter respectively to and from the jet.

4. An automatic lighter for a gas burner consisting of an igniting body containing finely divided platinum, a plurality of fine wires laid on said body, a thermostat and means whereby the thermostat moves said platinised body and wires to and from the jet.

5. An automatic lighter for a gas burner consisting of an igniting body, a pivoted lever to carry the igniting body to and from the gas-jet, a thermostat and a positive actuating connection in both directions of motion between the thermostat and the lever carrying the igniting body.

6. In an automatic lighter for a gas burner, the thin thermostatic bar crossing the jet and turner in the jet edgewise towards the jet orifice.

7. An automatic lighter for a gas burner consisting of an igniting body and its movable support, a thermostat, and an intermediate lever connecting the thermostat with the support of the igniting body, whereby the igniting body is moved an ample distance from the flame.

Specification, 10s. Drawings on application.

Application No. 2611.—LOUIS CARNEGY AULDJO, of Equitable Buildings, George Street, Sydney, New South Wales, Consulting Engineer, "*A complete Heat Cycle for Steam Engines and Steam Boilers.*"—Dated 25th July, 1899.

Claims:—

1. Air charged with aqueous vapour as a medium for again returning to the steam boiler the heat not utilised by the steam engine.

2. A heat exchanger, placed between and connected with the steam engine condenser and the steam boiler, so arranged that the resulting mixture of aqueous vapour and air produced in said heat exchanger is transmitted to the steam boiler furnace, as and for the purpose herein set forth.

3. An evaporative condenser, placed between and connected with the steam engine and steam boiler, so arranged that the resulting mixture of aqueous vapour and air formed in said evaporating condenser is transmitted to the steam boiler furnace, as and for the purpose herein set forth.

4. The combination of a vapour condenser for producing fresh water with heat exchanger, placed between and connected with the steam engine condenser and steam boiler, so arranged that the resulting mixture of aqueous vapour and air formed in said heat exchanger is transmitted to the steam boiler furnace, substantially as herein set forth.

5. The combination of a vapour condenser for producing fresh water with an evaporative condenser, placed between and connected with the steam engine condenser and steam boiler, so arranged that the resulting mixture of aqueous vapour and air formed in said evaporative condenser is transmitted to the steam boiler, substantially as herein set forth.

6. The combination of a vapour condenser and a heat exchanger with an evaporative condenser, placed between and connected with the steam engine and boiler, so arranged that the resulting mixture of aqueous vapour and air formed in said evaporative condenser is transmitted to the boiler furnace, as and for the purpose herein set forth.

7 The combination of a steam engine and boiler, with heat exchanger for producing air charged with aqueous vapour, and a heat exchanger placed to intercept waste gases from the boiler whereby the mixture of air and aqueous vapour is further heated before entering the boiler furnace, substantially as herein set forth.

8. The combination of a steam engine and boiler, with an evaporative condenser for producing air charged with aqueous vapour, and a heat exchanger placed to intercept waste gases from the boiler furnace, whereby the mixture of air and aqueous vapour is further heated before entering the boiler furnace, substantially as set forth.

Specifications, 12s. 6d. Drawings on application.

Application No. 2622.—THOMAS HENRY PATCHING, Tailor, and ROBERT HOSKINS FINCH, Builder, both of Sydney, New South Wales, "*An Automatic Coupling for Air Brakes.*"—Dated 1st August, 1899.

Claims:—

1. The combination of an automatic air brake coupling of the tube (b); the tube (r) having a nozzle piece (r^1) taper lugs (s) (s), horizontal guide pieces (t) (t) disc (v) cross pins (u) (u), the whole being secured to the sole plate of the vehicle, and controlled by the spring (k); the bracket (c) fitted with the knuckle-joint (d), and heel (e), for the purposes set forth and as illustrated in the drawings.

2. The combination with an automatic air brake coupling of the cylinder (w) provided with the helical channels (〓) (〓), and having a bell-shaped mouth; the cylinder (w^1), having the helical opening ((|)) the sliding piston (x) with the pope connection (x2) set at right angles thereto, provided with a tapered rubber mouth piece (z) the shoulder (x^1) grip pieces (y) (y); the bar (b^1); and the spring (o) for the purposes set forth and as illustrated in the drawings.

3. In an automatic brake coupling the combination and arrangement of a male portion such as shown in Figure 4, provided with horizontal cross pins (u) (u) with a hollow cylinder such as (w), provided with helical channels (〓) (〓), for the purpose herein set forth, substantially as described and as illustrated.

Specification, 6s. 6d. Drawings on application.

Application No. 2623.—THOMAS STEVENSON, o 31 Moray Place, Dunedin, New Zealand, Mechanical and Electrical Engineer, "*Improvements in Centrifugal Pumps.*"—Dated 1st August, 1899.

Claim:—

1. In any centrifugal pump (such as A, B, C, D,) its combination with a removable portion or cover (such as C1,) large enough to allow of the inspection and removal of the working parts (such as A, B,) without disturbing the main connections of the pump and consequently its alinement, substantially as described and explained and as illustrated in the accompanying drawing.

Specification, 1s. 6d. Drawings on application.

Application No. 2625.—CHARLES FELTON SCOTT, of 6214 Sellers Street, Pittsburg, in the County of Allegheny, State of Pennsylvania, United States of America, Electrical Engineer; BENJAMIN GARVER LAMME, of 230 Stratford Avenue, Pittsburg, aforesaid, Electrical Engineer, and RALPH DAVENPORT MERSHON, of 120 Broadway, New York, United States of America, "*Improvements relating to the regulation of Rotary Transformer direct current electro-motive force.*"—Dated 1st August, 1899.

Claims :—

1. The method of varying the lag of the current in an alternating current circuit by altering the magnetic field, and thereby the back electro-motive force of a motor or rotary transformer connected in said circuit.

2. A system of distribution of alternating currents in which is provided an electric motor having means for varying the excitation of its field magnet, whereby the lag of the current in the mains may be varied and the effect of self-induction in the circuit neutralised if desired.

3. A system of electrical distribution wherein a rotary transformer is employed for converting alternating currents of one or more phases into direct currents for operating translating devices, and having a choke coil included in the alternating current circuit for the purpose of increasing the variation of the electro-motive force supplied to the rotary transformer, when the excitation of its field magnet is varied.

4. In a system of electrical distribution of the kind described, the provision of means for varying the excitation of the field magnet of the rotary transformer as well as for varying the electro-motive force impressed on the alternating current leads supplying said transformer, whereby the gradual variation of the electro-motive force is obtained, substantially as described.

5. In a system of electrical distribution of the kind described the provision of means such as a motor mechanically coupled to the rotary transformer for rotating same at starting and maintaining the synchronism.

6. A rotary transformer having its field-magnet wound with both a shunt coil and a series coil for the purpose specified.

7. In a system of electrical distribution by alternating currents which are converted by a rotary transformer into direct currents which are supplied to the translating devices, the provision of means for automatically maintaining constant the voltage of the direct current mains.

8. Systems of electrical distribution arranged as described with reference to the accompanying drawings.

Specifications, 16s. Drawings on application.

Application No. 2632.—ANDREW STENHOUSE, of Morgan Street, Broken Hill, New South Wales, Timber Merchant, and EDWIN ATKINSON WHITEHEAD, of Wolfram Street, Broken Hill, aforesaid, Mechanical Engineer, "*Apparatus for automatically operating a valve, or the like, at any predetermined time or times.*"—Dated 8th, August, 1899.

Claims :—

1. In combination with an alarm clock, or alarum mechanism, having a crank disc or barrel, a valve, means of connection between crank, disc, or barrel and valve whereby the valve may be opened or closed at any predetermined time or times, substantially as and for the purposes described.

2. In combination an alarum clock or alarum mechanism having a winding barrel, a cord, pivotted catch lever as "10," weighted lever as "4" connected with valve, substantially as and for the purposes described.

3. In combination an alarum clock or alarum mechanism having a crank, disc or barrel, cord and cord gripper, and connection between cord gripper and valve, whereby valve may be opened and closed at any predetermined time or times, substantially as and for the purposes described.

4. The combination and arrangement of the whole of the parts, substantially as illustrated upon, and described with reference to Fig. 3 of the accompany drawings.

5. The arrangement of alarum mechanism in a clock whereby such mechanism may be released and stopped at any predetermined time or times, and so that any one of the abors of the alarum train shall make any predetermined portion of a revolution or number of revolutions, substantially as and for the purposes described.

6. The arrangement of an alarum mechanism in a clock, so that upon being released by the clock work at any predetermined time or times the alarum mechanism ceases to act after having made any predetermined number of revolutions or portion of a revolution, substantially as and for the purposes described.

7. The combination of a wheel driven by the clock-train with discs or levers carrying pins, which by acting upon other levers start the alarum mechanism and stop it after it has travelled through the predestined distances, substantially as set forth.

8. Discs or levers in duplicate which actuate the alarum mechanism so arranged that each set of discs or levers acts separately and at different times, substantially as set forth.

9. The combination of wheels driven by the clock-train, and segmental wheels driven by the alarum train, so that when the alarum train is started by the clock it will stop itself by the segmental wheels engaging with and overhauling the wheels driven by the clock-train, substantially as set forth.

10. The combination of a wheel or wheels driven by the clock-train and a disc or discs, driven by either the clock-train or the alarum train, having a notch or notches cut in the periphery or peripheries or a groove or grooves, cut in their face or faces for the purpose of determining the length of time during which the alarum train shall be free to revolve, substantially as set forth.

11. The combination and arrangement of the whole of the parts constituting alarum mechanism, substantially as illustrated on Figures 6, 7, 8, of the accompanying drawings, and for the purposes described.

12. The combination and arrangement of the whole of the parts constituting alternative alarum mechanism, substantially as illustrated on Figures 9, 10, 11, and 12 of the accompanying drawings and for the purposes described.

13. The combination and arrangement of the whole of the parts constituting alternative alarum mechanism, substantially as illustrated on Figures 13 to 20 of the accompanying drawings and for the purposes described.

14. The combination and arrangement of the whole of the parts constituting alternative alarum mechanism substantially as illustrated on Figures 21 and 22 of the accompanying drawings and for the purposes described.

15. In combination alarum mechanism, a crank and pin and a slotted lever as "14b" at one end of which latter the tap or equivalent is operated substantially as and for the purposes described.

16. In combination alarum mechanism, slotted lever as "14a, 14b" and crank disc substantially as and for the purposes set forth.

Specification, £1 2s. Drawings on application.

Application No. 2633.—MYRON FRANCIS HILL, of Cambridge, State of Massachusetts, United States of America, Solicitor of Patents, "*Improvements in Roller Bearings.*"—Dated 8th August, 1898.

Claims :—

1. In a roller bearing, an axle sleeve, a hub sleeve, endwise guiding edges thereon, main rollers between said sleeves, separating rollers between said main rollers, collers and rings supporting said separating rollers, said collers mounted on one of said sleeves.

2. In a roller bearing, an axle sleeve, a hub sleeve, main rollers between said sleeves, separating rollers between said main rollers, radial supports for said separating rollers, endwise guiding edges thereon holding said parts in place, said rollers, sleeves and supports embodying such diameters that they roll together without rubbing or dragging.

3. In roller bearing an axle sleeve, a hub sleeve, main rollers between said sleeves, separating rollers between said main rollers, radial supports for said separating rollers at their ends, and endwise guiding edges thereon holding said parts in place, said rollers, sleeves and supports embodying such diameters that they roll together without rubbing or dragging.

4. In a roller bearing, an axle sleeve, a hub sleeve, endwise bevelled guiding edges thereon, main rollers between said sleeve separating rollers between said main rollers, collers and rings supporting said rollers, said collers mounted on said axle sleeve.

5. In a roller bearing, an axle sleeve, a hub sleeve endwise guiding edges thereon, main rollers between said sleeves, separating rollers between said main rollers, collers and rings supporting said rollers which separate, said collers mounted on one of said sleeves, said rollers, sleeves and supports embodying such diameters that they roll together without rubbing or dragging.

6. In a roller bearing, an axle sleeve, a hub sleeve, endwise guiding edges thereon, main rollers between said sleeves, separating rollers between said main rollers, collers and rings supporting said separating rollers, said collers mounted on said axle sleeve, said rollers, sleeves and supports embodying such diameters that they roll together without rubbing or dragging.

7. In a roller bearing, an axle sleeve, a hub sleeve main rollers mounted between said sleeves, separating rollers between said rollers, supports for said separating rollers, endwise guiding edges on said separating rollers to hold said supports in place, and additional guiding edges to prevent any twisting of the main rollers, sleeves and supports embodying such diameters that they roll togther without rubbing or dragging.

8. In a roller bearing, an axle sleeve, a hub sleeve, main rollers between said sleeves, separating rollers between said main rollers, supports for said separating rollers at their ends, endwise guiding edges thereon holding said parts in place and additional guiding edges on said separating rollers to prevent any twisting of said main rollers, said rollers, sleeves and supports embodying such diameters that they roll together without rubbing or dragging.

9. In a roller bearing, an axle sleeve, a hub sleeve guiding edges thereon, main rollers between said sleeves, separating rollers between said main rollers, collers and rings supporting said separating rollers, said collers mounted on one of said sleeves and endwise guiding edges on said separating rollers to prevent any twisting of said main rollers.

10. In a roller bearing, an axle sleeve, a hub sleeve endwise guiding edges thereon, main rollers between said sleeves, separating rollers between said main rollers, collers and rings supporting said separating rollers, said collers mounted on said axle sleeve, and endwise guiding edges on said separating rollers to prevent any twisting of said main rollers.

11. In a roller bearing axle sleeve, a hub sleeve, endwise guiding edges thereon, main rollers between said sleeves, separating rollers between said main rollers, collers and rings supporting said separating rollers, said collers mounted on one of said sleeves and endwise guiding edges on said operating rollers to prevent any twisting of said main rollers, said rollers, sleeves and supports embodying such diameters that they roll together without rubbing or dragging.

12. In a roller bearing an axle sleeve, a hub sleeve, endwise guiding edges thereon, main rollers between said sleeves, separating rollers between said main rollers, collers and rings supporting said separating rollers, said collers mounted on said axle sleeve and endwise, guiding edges on said separating rollers to prevent any twisting of said main rollers, said rollers, sleeves and supports embodying such diameters that they roll together without rubbing or dragging.

13. In a roller bearing, an axle sleeve, a hub sleeve, main rollers between said sleeves, separating rollers between said main rollers, supports for said separating rollers, endwise guiding edges thereon holding said parts in place, and one of said sleeves comprising two parts held together by a piece of metal over them, said rollers, sleeves and supports embodying such diameters that they roll together without rubbing or dragging,

14. In a roller bearing, an axle sleeve, a hub sleeve, main rollers between said sleeves, separating rollers between said main rollers, supports for said separating rollers, endwise guiding edges, thereon, holding said parts in place, and one of said sleeves comprising two parts held together by a piece of metal spun over said rollers, sleeves and embodying such diameters that they roll together without rubbing or dragging.

Specifications, 12s, 6d. Drawings on application.

Application No. 2637.—ILLIUS AUGUSTUS TIMMIS, of 2 Great George Street, Westminster, S.W., London, England, Civil Engineer, "*Improvements in the Manufacture of Food.*"—Dated 16th August, 1899.

Claims:—

1. The extraction from the entire carcase of beast bird or fish of the coagulating bodies at a temperature of about 50° C. and then the further extraction at or about or over boiling point of the soluble phosphates salts etc. for the purpose of making liquid or semi-liquid food substantially as and for the purposes hereinbefore described.

2. The extraction from the bone and sinew of a carcase of the bodies named in Claim 1 and by the means therein named and the mixing of this double temperatur extract with the meat or flesh (whole or cut up) for the purpose of making solid food, substantially as and for the purposes hereinbefore described.

Specification, 7s.

Application No. 2641.—PAUL PFLEIDERER, of 7 Thurlby Road, West Norwood, Surrey, England, Engineer (assignee of WILLIAM WALLINGTON HARRIS), "*Improvements in Refriyerating Apparatus.*"—Dated 16th August, 1899.

Claims:—

1. The peculiar form of absorber consisting of an annular chamber closed at the top and connected at the bottom to the central chamber.

2. Forming the lower end of the central chamber referred to in the preceding claim of wire gauze, or making numerous fine perforations in it.

3. The combination with the subject matter of the preceding claims of a perforated pipe extending from near the bottom of the central chamber to about the highest liquid level.

4. The combination with the subject matter of Claim 3 of deflecting plates above the pipes and the perforations

5. The combination with the subject matter of the preceding claims of a lining forming a passage in the central chamber extending from just below the bottom of its solid part to a point at some distance below the highest liquid level.

6. The absorber substantially as described and illustrated in the drawings.

7. The condenser consisting of two tanks, one of conducting and the other of non-conducting material, having in their coils connected at their upper ends.

8. The combination with an absorber of a counterbalanced tank, which, when in its lowest position, is beneath the absorber, and when in its highest position has the absorber immersed in it.

9. The combination of an absorber, a condenser connected to it refrigerating pipes, a receiver having its top connected to the condenser, and its bottom to the refrigerating pipes a pipe opening into the top and bottom of the receiver, and a branch pipe connecting this pipe to the absorber.

10. Refrigerating apparatus substantially as described and illustrated in the drawings.

Specification, £1 3s. Drawings on application.

MALCOLM A. C. FRASER,
Registrar of Patents.

Patent Office, Perth,
25th August, 1899.

NOTICE is hereby given that the undermentioned Applications for the Grant of Letters Patent, and the complete Specifications annexed thereto, have been *accepted*, and are now open to public inspection at this Office.

Any person or persons intending to oppose any of such applications must leave particulars, in writing, in duplicate (on Form D), of his or their objections thereto, within two calendar months from the first appearance of this advertisement in the Western Australian *Government Gazette.* A fee of Ten shillings (10s.) is payable with such notice.

For particulars of claims, vide Gazette No. 34, 25th August, 1899.

Application No. 2244.—ANDREW STEWART, of Katanning, Western Australia, Farmer, and FRANK ERNEST PIESSE, of Wagin, Western Australia, Blacksmith, "*An improved attachment and means whereby ploughing, sowing and harrowing takes place simultaneously.*"—Dated 7th October, 1898.

Specification, 3s. Drawings on application.

Application No. 2537.—ADOLF VOGT, of I. Lothringer Strasse 5, Vienna, Austria, Engineer, "*Improvements in the manufacture of Electrical Resistances.*"—Dated 23rd May, 1899.

Specification, 4s. 6d,

Application No. 2597.—GEORGE GARIBALDI TURRI, of Salisbury Building, Queen and Bourke Streets, Melbourne, Victoria, Patent Agent (*George William Tiffin*), "*An improved apparatus for Filtering Water.*"—Dated 11th July, 1899.

Specification, 4s. 6d. Drawings on application.

Application No. 2603.—JOSEPH ELDRED BISHOP, of Hay and Dixon Streets, Sydney, New South Wales, Secretary to West's Patent Tyre Setter Co., Limited, "*Improvements in machines for Setting Wheel Tyres.*"—Dated 18th July, 1899.

Specification. 10s. Drawings on application.

Application No. 2612.—AUGUST PHILIP BJERREGAARD, of 12 St. Andrew's Place, Brooklyn, New York, U.S.A., Chemist, "*An improved process for the manufacture of Varnishes, which consist chiefly of linseed oil or other fatty oils and copal gums.*"—Dated 25th July, 1899.

Specification, 7s.

Application No. 2613.—EDWIN ROBERT STANDFIELD, of No. 3 Dinsdale Street, Albert Park, near Melbourne, Victoria, Electrical Engineer, "*An improved Collapsible Fly-proof Dish Cover.*"—Dated 25th July, 1899.

Specification, 3s. Drawings on application.

Application No. 2615.—FREDERICK WILLIAM COMMONS, of No. 1 Webster Street, Ballarat, Victoria, Monumental Sculptor, "*An improved means of securing or jointing wood with wood, or wood with stone, concrete or metal.*"—Dated 27th July, 1899.

Specification, 3s. Drawings on application.

Application No. 2631.—EDWARD WATERS, junior, a member of the firm of Edward Waters and Son, of 131 William Street, Melbourne, Victoria, Patent Agent (*Maurice Salomon*), "*Improvements in Spirit Lamps.*"—Dated 8th August, 1899.

Specification, 1s.

MALCOLM A. C. FRASER,
Registrar of Patents.

Patent Office, Perth,
18th August, 1899.

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For particulars of claims, vide Gazette No. 33, 18th August, 1899.

Application No. 2262.—JAMES ROBINSON, of "Belle Vue," Rosedale, in the Colony of Victoria, Surveyor, "*An Improved Clothes Peg.*"—Dated 22nd October, 1898.

Specifications, 2s. Drawings on application.

Application No. 2278.—HAROLD WILLIAM GRIMWADE, of 346 Flinders Lane, Melbourne, Victoria, Wholesale Druggist, etc. (assignee of "GEORGE HUBERT KEMP), "*An improved Fluid Composition, principally useful for branding sheep.*"—Dated 8th November, 1898.

Specification, 3s. 6d.

MALCOLM A. C. FRASER,
Registrar of Patents.

Patent Office, Perth,
11th August, 1899.

NOTICE is hereby given that the undermentioned Applications for the Grant of Letters Patent, and the complete specifications annexed thereto, have been *accepted*, and are now open to public inspection at this Office.

Any person or persons intending to oppose any of such applications must leave particulars, in writing, in duplicate (on Form D), of his or their objections thereto, within two calendar months from the first appearance of this advertisement in the Western Australian *Government Gazette*. A fee of Ten shillings (10s.) is payable with such notice.

For particulars of claims, vide Gazette No. 32, 11th August, 1899.

Application No. 2566.—FRANCIS GOW ARMSTRONG, of Geraldton, Western Australia, Machinist. "*A combined Clod-crusher, Harrower, and Sower.*"—Dated 14th June, 1899.

Specification, 3s. Drawings on application.

Application No. 2598.—FRED ISITT, of Sydney, New South Wales, Agent, "*An improved Manufacture of Mantles to be used in Incandescent Gas Lighting.*"—Dated 11th July, 1899.

Specification, 13s. 6d.

Application No. 2600.—OXYLIQUIT GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, of Nobelshof, Hamburg, Germany, Manufacturers (assignee of DR. PHIL. CARL VON LINDE), "*A new Explosive Compound.*"—Dated 11th July, 1899.

Specification, 4s.

Application No. 2601.—THOMAS STATHAM, of Goderich Street, Perth, Western Australia, Quarry Proprietor, "*Improved Ore Roaster.*"—Dated 11th July, 1899.

Specification, 3s. 6d. Drawings on application.

Application No. 2604.—EMIL FLEISCHER, Doctor of Philosophy, Chemist, of 32 Thiergarten-Strasse, Dresden-Strehlen, Saxony, German Empire, "*Improvements in the Manufacture of Water Gas.*"—Dated 18th July, 1899.

Specification, 6s.

Application No. 2605.—THE WIRELESS TELEGRAPH AND SIGNAL COMPANY, LIMITED, of 28 Mark Lane, London, England, Electricians, (Assignee of GUGLIELMO MARCONI), "*Improvements in Apparatus employed in Wireless Telegraphy.*"—Dated, 18th July, 1899.

Specification, 5s. 6d. Drawings on application.

MALCOLM A. C. FRASER,
Registrar of Patents.

Patent Office, Perth,
4th August, 1899.

NOTICE is hereby given that the undermentioned Applications for the Grant of Letters Patent, and the complete Specifications annexed thereto, have been *accepted*, and are now open to public inspection at this Office.

Any person or persons intending to oppose any of such applications must leave particulars, in writing, in duplicate (on Form D), of his or their objections thereto, within two calendar months from the first appearance of this advertisement in the Western Australian *Government Gazette*. A fee of Ten shillings (10s.) is payable with such notice.

For particulars of claims, vide Gazette No. 31, 4th August, 1899.

Application No. 2274.—JAMES WHISKER, of Boulder City, Western Australia, Miner, "*Improved Machine for the Recovery of Gold or other heavy metals by percussion from dry earth or water treatment, with or without Mercury.*"—Dated 4th November, 1898.

Specification, 4s. 6d. Drawings on application.

Application No. 2557.—SIMEON OAKES HOLMES, of Durban, Natal, Mining Engineer, "*Improvements in the manufacture of Block Fuel.*"—Dated 10th June, 1899.

Specification, 3s. 6d.

Application No. 2565.—THOMAS KEANE, of Fairlight Street, Cottesloe Beach, Western Australia, Miner, "*An Improved Mine Ventilator.*"—Dated 14th June, 1899.

Specification, 2s. Drawings on application.

Application No. 2577.—CLARENCE HERBERT SMITH, Machinist, and GEORGE JAMES WILLIAM FREEMAN, Farmer, both of Ardrossan, South Australia, "*Improvements in Implements for Ploughing or Cultivating and Sowing Seed and Fertilizers.*"—Dated 21st June, 1899.

Specification, 7s. 6d. Drawings on application.

Application No. 2588.—LEOPOLD HESSE, of 123 City Road, South Melbourne, Victoria, Manufacturing Chemist, "*An improved method of and apparatus for utilizing the Waste Products of Coffee during roasting.*"—Dated 4th July, 1899.

Specification, 7s. 6d. Drawings on application.

Application No. 2589.—JOHN FOSTER STEPHENSON, of Cranmore Street, Glenferrie, Victoria, Moulder, "*Improvements in or connected with the Supporting Frames of Bedsteads.*"—Dated 4th July, 1899.

Specification, 4s. Drawings on application.

Application No. 2590.—WILLIAM JULIUS BALTZER, of Pitt Street, Sydney, New South Wales, Civil Engineer, "*Improvements in Sewer, Drain, and Water Pipes.*"—Dated 5th July, 1899.

Specification, 5s. Drawings on application.

Application No. 2607.—JOHN WYNN MANCHEE, of Sydney, New South Wales, Grazier (assignee of WILLIAM ALFRED CONROY), "*Improvements in Wire Fence Droppers.*"—Dated 18th July, 1899.

Specification, 3s. Drawings on application.

MALCOLM A. C. FRASER,
Registrar of Patents.

Patent Office, Perth,
28th July, 1899.

NOTICE is hereby given that the undermentioned Applications for the Grant of Letters Patent, and the complete Specifications annexed thereto, have been *accepted*, and are now open to public inspection at this Office.

Any person or persons intending to oppose any of such applications must leave particulars, in writing, in duplicate (on Form D), of his or their objections thereto, within two calendar months from the first appearance of this advertisement in the Western Australian *Government Gazette*. A fee of Ten shillings (10s.) is payable with such notice.

For particulars of claims, vide Gazette No. 30, 28th July, 1899.

Application No. 2493.—CHARLES FELTON SCOTT, of 6214 Sellers Street, Pittsburg, in the County of Allegheny, State of Pennsylvania, United States of America, Electrical Engineer; HARRY PHILLIPS DAVIS, of 527 Neville Street, Pittsburg aforesaid, Electrical Engineer; and

GILBERT WRIGHT, of 409 Ross Avenue, Wilkinsburg, in the County of Allegheny aforesaid, Electrical Engineer, "*Improvements in Switches for Electric Circuits.*"—Dated 2nd May, 1899.

Specification, £1. Drawings on application.

Application No. 2494.—BENJAMIN GARVER LAMME, of 230 Stratford Avenue, Pittsburgh, in the County of Allegheny, State of Pennsylvania, United States of America, Electrical Engineer, "*Improvements in systems for converting the energy of alternating electric currents into mechanical energy by means of Induction Motors.*"—Dated 2nd May, 1899.

Specification, 11s. Drawings on application.

Application No. 2516.—ROBERT ABBOTT HADFIELD, of "The Grove," Endcliffe Vale Road, Sheffield, in the County of York, England, Steel Manufacturer, and ALEXANDER GEORGE MACKENZIE JACK, of "Fir Vale House," Sheffield, aforesaid, Steel Works Manager,—"*Improvements in Crushing Mills.*"—Dated 23rd February, 1899. Filed under Section 3 of Amended Patent Act, 1894.

Specification, 6s. 6d. Drawings on application.

Application No. 2585.—ROBERT COCKERELL, of 31 Moray Place, Dunedin, in the Colony of New Zealand, Blacksmith, "*An improved Lever Lift Battery.*"—Dated 29th June, 1899.

Specification, 2s. 6d. Drawings on application.

Application No. 2586. — AMEDEE MATHURIN GABRIEL SEBILLOT, of 60 Boulevard de Clichy, Paris, France, Engineer, "*Process for dressing Zinc Ores, and apparatus therefor.*"—Dated 29th June, 1899.

Specification, 10s. Drawings on application.

MALCOLM A. C. FRASER,
Registrar of Patents.

Patent Office, Perth,
21st July, 1899.

NOTICE is hereby given that the undermentioned Applications for the Grant of Letters Patent, and the complete Specifications annexed thereto, have been *accepted*, and are now open to public inspection at this Office.

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For particulars of claims, vide Gazette No. 29, 21st July, 1899.

Application No. 2570.—THOMAS HENRY PATCHING, of Strathfield, New South Wales, Tailor, "*An Automatic Coupling for use on Railway Carriages and the like.*"—Dated 20th June, 1899.

Specifications, 5s. Drawings on application.

Application No. 2574.—JOSEF FRANZ BACHMANN, Engineer, of VII. Kaiserstrasse 81; ADOLF VOGT, Engineer, of I. Lothingerstrasse 5; CARL CAMILLE WEINER, Gentleman, of I. Elisabethstrasse 3, all of Vienna, Austria; ALBERT KÖNIG, Banker, of Budapest, Hungary; DR. JOSEF KIRCHNER, Chemist, of I. Elisabethstrasse 3, Vienna, and DR. ALEXANDER JÖRG, of I. Opernring 1, Vienna, Austria, Chemist, "*Electrical Heating Appliances formed of Artificial Stone.*"—Dated 20th June, 1899.

Specification, 12s. Drawings on application.

Application No. 2575.—JOSEF FRANZ BACHMANN, Engineer, of VII. Kaiserstrasse 81; ADOLF VOGT, Engineer, of I. Lothingerstrasse 5; CARL CAMILLE WEINER, Gentleman, of I. Elisabethstrasse 3, all of Vienna, Austria; ALBERT KÖNIG, Banker, of Budapest, Hungary; Dr. JOSEF KIRCHNER, Chemist, of I. Elizabethstrasse 3, Vienna, and Dr. ALEXANDER JÖRG, of I. Opernring 1, Vienna, Austria, Chemist, "*Electrical Resistances of Artificial Stone Composition.*"—Dated 20th June, 1899.

Specification, 12s. 6d. Drawings on application.

MALCOLM A. C. FRASER,
Registrar of Patents.

Patent Office, Perth,
14th July, 1899.

NOTICE is hereby given that the undermentioned Applications for the Grant of Letters Patent, and the Complete Specifications annexed thereto, have been *accepted*, and are now open to public inspection at this Office.

Any person or persons intending to oppose any of such applications must leave particulars, in writing, in duplicate (on Form D), of his or their objections thereto, within two calendar months from the first appearance of this advertisement in the Western Australian *Government Gazette.* A fee of Ten shillings (10s.) is payable with such notice.

For particulars of claims, vide Gazette No. 28, 14th July, 1899.

Application No. 2077.—HERBERT THOMAS RIGG, of Bunbury, Western Australia, Carpenter, "*A new or improved Machine for Crushing and Treating Quartz Ores and the like.*"—Dated 30th May, 1898.

Specification, 4s. 6d. Drawings on application.

Application No. 2234.—WILLIAM DUNCAN, of Day Dawn Ridge, Charters Towers, Queensland, Engineer, "*Improved means for mixing and aerating Sands or Tailings while under treatment by solvents.*"—Dated 30th September, 1898.

Specification, 4s. 6d. Drawings on application.

Application No. 2446.—HENRY JAMES GIBBONS, of 239 Pier Street, Perth, in the Colony of Western Australia, Carpenter, and ERNEST THOMAS ANDERSON BASAN, of Murray Street, Perth aforesaid, Estate Agent, "*An improved Automatic Train Indicator for Level Crossings and the like.*—Dated 25th March, 1899.

Specification, 9s. 6d. Drawings on application.

Application No. 2464.—WILLIAM CROSS, of Logan Road, General Dealer, GEORGE CHARLES WILLCOCKS, of Adelaide Street, Contractor, ACHESON OVEREND, of Albert Street, Contractor, and ARTHUR MIDSON, of Edmonstone Street, Contractor, all of Brisbane, Queensland (Assignees of WILLIAM CROSS), "*An improved method of Preserving Timber and other material.*"—Dated 12th April, 1899.

Specification, 2s. 6d.

Application No. 2500.—HARRY PHILLIPS DAVIS, of 327 Neville Street, Pittsburg, Pennsylvania, U.S.A., Electrical Engineer, "*Improvements in Electric Brakes.*"—Dated 2nd May, 1899.

Specification, 8s. Drawings on application.

Application No. 2518.—HENRY CHARLES STEPHEN, of Torbay, Western Australia, Ship Builder, "*An Auto-Motor Jinker, principally for conveying heavy logs.*"—Dated 12th May, 1899.

Specification, 5s. Drawings on application.

MALCOLM A. C. FRASER,
Registrar of Patents.

Patent Office, Perth,
7th July, 1899.

NOTICE is hereby given that the undermentioned applications for the Grant of Letters Patent, and the complete Specifications annexed thereto, have been *accepted*, and are now open to public inspection at this Office.

Any person or persons intending to oppose any of such applications must leave particulars, in writing, in duplicate (on Form D), of his or their objections thereto, within two calendar months from the first appearance of this advertisement in the Western Australian *Government Gazette*. A fee of Ten shillings (10s.) is payable with such notice.

For particulars of claims, vide Gazette No. 27, 7th July, 1899.

Application No. 2539.—GUY DE BECHI, of 17 Boulevard de la Madeleine, Paris, in the Republic of France, Chemical Engineer, "*Improvements in the treatment of Complex Ores.*"—Dated 4th November, 1898. *

* Filed under Section three of "Amended Patent Act, 1894."

Specification, 7s. 6d.

Application No. 2541.—MALCOLM BRUCE, of Thames, in the Colony of New Zealand, Metallurgist, "*An improved Vat for treating Ore by solvent processes.*"—Dated 30th May, 1899.

Specification, 12s. Drawings on application.

Application No. 2544.—THE NEILD "SLEEVE" ELECTRIC JOINT SYNDICATE, LIMITED, of Blomfield House, London Wall, in the City of London, England, Manufacturers (assignee of HARRY WILLIAM NEILD), "*Improved Joint for Telegraph and other Wires conveying Electricity.*"—Dated 30th May, 1899.

Specification, 3s. 6d. Drawings on application.

Application No. 2545.—CHARLES CAMPBELL WORTHINGTON, of Dunnfield, Warren County, State of New Jersey, United States of America, Mechanical Engineer, "*Improvements in Steam Engines.*"—Dated 2nd June, 1899.

Specification, £2 2s. Drawings on application.

Application No. 2547.—SANDYCROFT FOUNDRY AND ENGINE WORKS COMPANY, LIMITED, of Sandycroft, Hawarden, Flintshire, Wales, Manufacturers (assignee of JOHN THOMAS RICHARDS), "*Improvements in and connected with the Guides for the Stems of Stamp Mills or for like purposes.*"—Dated 5th June, 1899.

Specification, 3s. Drawings on application.

Application No. 2552.—ALFRED ERNEST LUTTRELL, of Launceston, in the Colony of Tasmania, "*An improved Rotary Pump.*"—Dated 10th June, 1899.

Specification, 5s. 6d. Drawings on application

Application No. 2553.—THE DOE PORTABLE ELECTRIC LIGHT AND POWER SYNDICATE, LIMITED, of Broad Street House, New Broad Street, London, England (Assignee of WALTER SCOTT DOE).—"*Improvements in Galvanic Batteries.*"—Dated 10th June, 1899.

Specification, 7s. 6d. Drawings on application.

Application No. 2554.—THEODOR TEVLED, Overseer of Mines, of Kisslovodsk, in the Province of Terek, Northern Caucasus, in the Empire of Russia, "*Improvements in Explosives.*"—Dated 10th June, 1899.

Specification, 5s. 6d.

Application No. 2555.—HENRY AYLMER, of the Town of Richmond, in the County of Richmond, in the Province of Quebec, Canada, gentleman, and JAMES HENRY PLUMMER, of 40 Wellesley Street, in the City of Toronto, in the County of York, in the Province of Ontario, Canada, gentleman, "*Improvements in Drills.*"—Dated 10th June, 1899.

Specifications, 5s. Drawings on application.

Application No. 2556.—CHARLES WILLIAM CURTIS, of 3 Gracechurch Street, London, Explosive Manufacturer, and LEYSHON DAVIES, Joint Manager of Kames Gunpowder Mills, Kyles of Bute, Argyleshire, Scotland, "*An improved Explosive.*"—Dated 10th June, 1899.

Specification, 1s. 6d.

Application No. 2558.—JOHN PENDER, of Tinning Street, Brunswick, Victoria, Horseshoe Nail Manufacturer, "*Improvements in the Motor and in the Driving and Controlling of Mechanism of Power propelled Vehicles, and in the Construction of such Vehicles.*"—Dated 10th June, 1899.

Specification, £2 2s. Drawings on application.

MALCOLM A. C. FRASER,
Registrar of Patents.

Applications for Patents.

AUGUST 12TH—26TH.

[Where Provisional Specification accompanies Application an asterisk is affixed.]

No.	Date.	Name.	Address.	Title.
*2635	15th Aug., 1899	Sparrow, R. (*Mershon, R. D.*)...	Perth, W.A. ...	Improvements relating to the distribution of electrical power.
2636	15th Aug., 1899	Petersson, E.	Brussels, Belgium	An improved process for the treatment of sulphurous ores containing arsenic, antimony, and tellurium.
2637	16th Aug., 1899	Timmis, I. A.	London, England...	Improvements in the manufacture of food.
*2638	16th Aug., 1899	Courtney, C. F., and Butterworth, R.	Broken Hill, N.S.W.	Improvements in magnetic separators, especially adapted to wet separation.
*2639	16th Aug., 1899	Courtney, C. F., and Butterworth, R.	Broken Hill, N.S.W.	Improvements in magnetic separators, especially adapted to wet separation.
*2640	16th Aug., 1899	Courtney, C. F., and Butterworth, R.	Broken Hill, N.S.W.	Improvements in magnetic separators, especially adapted to wet separation.
2641	16th Aug., 1899	Pfleiderer, P. (assignee of W. W. Harris)	West Norwood, England	Improvements in refrigerating apparatus.
2642	16th Aug., 1899	Badische Anilin & Soda Fabrik (assignee of R. Knietsch)	Ludwigshafen-on-Rhine, Germany	Improvements in the manufacture of sulphuric anhydride.
2643	19th Aug., 1899	Muir, J....	Fremantle, W.A. ...	Machine for crushing tin ore or other metals.
*2644	21st Aug., 1899	Conigrave, J. F. (*Davis, H. P.* and *Wright, G.*)	Perth, W.A. ...	Improvements in controllers for electric motors.
2645	21st Aug., 1899	Crossland, C.	Perth, W.A. ...	Improved amalgamating cradle for slimes and other pulverised gold-bearing material.
*2646	22nd Aug., 1899	Isitt, F.	Leichhardt, N.S.W.	Improvements in automatic apparatus for compressing gas and air.
2647	22nd Aug., 1899	Mitchell, F., and Hill, C. ...	Ballarat, Vict. ...	Improvements in the pedal and crank-head of cycles.
2648	22nd Aug., 1899	Lawrence, W. H., & Kennedy, R.	Glasgow, Scotland	Improvements in milking apparatus.
*2649	22nd Aug., 1899	Meats, T. E.	Plympton, W.A. ...	An improved machine for the extraction of minerals, chiefly gold or tin, to be known as "The Giant Gold or Tin Separator."
2650	24th Aug., 1899	Joseph, J. H., and McMullen, G.	Perth, W.A. ...	A new race game and apparatus for playing same.
*2651	26th Aug., 1899	Sparrow, R. (*Davis, H. P.*) ...	Perth, W.A. ...	Improvements in fuse-blocks for electric circuits.

Provisional Specifications.

Patent Office, Perth,
1st September, 1899.

APPLICATIONS for Letters Patent, accompanied by Provisional Specifications, which have been accepted from the 12th to the 26th August, 1899 :—

Application No. 2591.—RAND DRILL COMPANY, of 100 Broadway, New York, U.S.A. (assignee of ROBERT L. AMBROSE), "*Improvements in Rock Drills.*"—Dated 7th July, 1899.

Application No. 2592.—RAND DRILL COMPANY, of 100 Broadway, New York, U.S.A. (assignee of HUGH V. CONRAD and ROBERT L. AMBROSE), "*Improvements in Rock Drills.*"—Dated 7th July, 1899.

Application No. 2594.—RICHARD SPARROW, of Perth, Western Australia, Patent Agent (*Harry Phillips Davis* and *Frank Conrad*), "*Improvements in Electrical Measuring Instruments.*"—Dated 8th July, 1899.

Application No. 2610.—HARRY GULLIVER, of Claremont, Western Australia, Builder, "*Improved Catch for Railway or other Carriages.*"—Dated 24th July, 1899.

Application No. 2616.—HERMAN MANDELSTAMM and JOSEPH MANDELSTAMM, both of Woodville, near Perth, Western Australia. Gentlemen, "*Revolving Amalgam Tables or Rolls.*"—Dated 28th July, 1899.

Application No. 2628.—THOMAS EAGLE MARTIN, of Barmer, near King's Lynn, Norfolk, England, Farmer and Machinist, "*Improvements in Seed Drills, Horse Hoes, and like Agricultural Implements.*"—Dated 5th August, 1899.

Application No. 2630.—WILLIAM BURRELL, of 193 Abbotsford Street, North Melbourne, Victoria, Stone Mason, and JAMES WILLIAM STORY, of 201 William Street, Melbourne, Victoria, Merchant, "*An Improved Rabbit Export Crate and mode of Packing same.*"—Dated 8th August, 1899.

MALCOLM A. C. FRASER,
Registrar of Patents.

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AUGUST 12TH—26TH.

Name.	Title.	No.	Date.
Badische Anilin & Soda Fabrik (assignee of R. Knietsch)	Improvements in the manufacture of sulphuric anhydride	2642	16th Aug., 1899
Butterworth, R., & Courtney, C. F. ...	*Vide* Courtney, C. F., and Butterworth, R.	2638	16th Aug., 1899
Butterworth, R., & Courtney, C. F. ...	*Vide* Courtney, C. F., and Butterworth, R.	2639	16th Aug., 1899
Butterworth, R., & Courtney, C. F. ...	*Vide* Courtney, C. F., and Butterworth, R.	2640	16th Aug., 1899
Conigrave, J. F. (*Davis, H. P., & Wright, G.*)	Improvements in controllers for electric motors	2644	21st Aug., 1899
Courtney, C. F., & Butterworth, R. ...	Improvements in magnetic separators, especially adapted to wet separation	2638	16th Aug., 1899
Courtney, C. F., & Butterworth, R. ...	Improvements in magnetic separators, especially adapted to wet separation	2639	16th Aug., 1899
Courtney, C. F., & Butterworth, R. ...	Improvements in magnetic separators, especially adapted to wet separation	2640	16th Aug., 1899
Crossland, C.	Improved amalgamating cradle for slimes and other pulverised gold-bearing material	2645	21st Aug., 1899
Davis, H. P.	*Vide* Conigrave, J. F.	2644	21st Aug., 1899
Davis, H. P.	*Vide* Sparrow, R.	2651	26th Aug., 1899
Harris, W. W.	*Vide* Pfleiderer, P.	2641	16th Aug., 1899
Hill, C., & Mitchell, F.	*Vide* Mitchell, F., and Hill, C.	2647	22nd Aug., 1899
Isitt, F.	Improvements in automatic apparatus for compressing gas and air	2646	22nd Aug., 1899
Joseph, J. H., & McMullen, G. ...	A new race game and apparatus for playing same ...	2650	24th Aug., 1899
Kennedy, R., & Lawrence, W. H. ...	*Vide* Lawrence, W. H., and Kennedy, R.	2648	22nd Aug., 1899
Knietsch, R.	*Vide* Badische Anilin & Soda Fabrik	2642	16th Aug., 1899
Lawrence, W. H., & Kennedy, R. ...	Improvements in milking apparatus	2648	22nd Aug., 1899
McMullen, G., & Joseph, J. H. ...	*Vide* Joseph, J. H., and McMullen, G.	2650	24th Aug., 1899
Meats, T. E.	An improved machine for the extraction of minerals, chiefly gold or tin, to be known as "The Giant Gold or Tin Separator"	2649	22nd Aug., 1899
Mershon, R. D.	*Vide* Sparrow, R.	2635	15th Aug., 1899
Mitchell, F., & Hill, C....	Improvements in the pedal and crank-head of cycles ...	2647	22nd Aug., 1899
Muir, J.	Machine for crushing tin ore or other metals	2643	19th Aug., 1899
Petersson, E.	An improved process for the treatment of sulphurous ores containing arsenic, antimony, and tellurium	2636	15th Aug., 1899
Pfleiderer, P. (assignee of W. W. Harris)	Improvements in refrigerating apparatus	2641	16th Aug., 1899
Sparrow, R. (*Mershon, R. D.*)	Improvements relating to the distribution of electrical power	2635	15th Aug., 1899
Sparrow, R. (*Davis, H. P.*)	Improvements in fuse-blocks for electric circuits ...	2651	26th Aug., 1899
Timmis, I. A.	Improvements in the manufacture of food	2637	16th Aug., 1899
Wright, G.	*Vide* Conigrave, J. F.	2644	21st Aug., 1899

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Compressing Gas, etc.	Isitt, F.	2646	22nd Aug., 1899
Controllers	Conigrave, J. F.	2644	21st Aug., 1899
Crank-head	*Vide* Pedal	2647	22nd Aug., 1899
Crushing Tin Ore	Muir, J.	2643	19th Aug., 1899
Cycles	*Vide* Pedal	2647	22nd Aug., 1899
Distribution of Power	Sparrow, R.	2635	15th Aug., 1899
Food	Timmis, I. A.	2637	16th Aug., 1899
Fuse-blocks	Sparrow, R.	2651	26th Aug., 1899
Gold Extraction	Meats, T. E.	2649	22nd Aug., 1899
Milking	Lawrence, W. H., and Kennedy, R.	2648	22nd Aug., 1899
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Refrigerating	Pfleiderer, P.	2641	16th Aug., 1899
Separators (magnetic)	Courtney, C. F., and Butterworth, R.	2638	16th Aug., 1899
Separators (magnetic)	Courtney, C. F., and Butterworth, R.	2639	16th Aug., 1899
Separators (magnetic)	Courtney, C. F., and Butterworth, R.	2640	16th Aug., 1899
Sulphurous Ores	*Vide* Ores	2636	15th Aug., 1899
Tin	*Vide* Crushing Tin Ore	2643	19th Aug., 1899
Tin	*Vide* Gold Extraction	2649	22nd Aug., 1899

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Aktieselskabet Burmeister, & Wains Maskin, & Skibsbyggeri (assignee of O. Anderson)	Improvements in centrifugal cream separators	2509	9th May, 1899	2nd June, 1899	22	1635
Anderson, O.	*Vide* Aktieselskabet Burmeister, etc. ...	2509	9th May, 1899	2nd June, 1899	22	1635
Baker, F.	An improved spike and holdfast for securing rails, decking, platforms, and the like	2183	23rd Aug., 1898	2nd June, 1899	22	1633
Bridgland, E. T., and Drage, J. J.	*Vide* Drage, J. J., and Bridgland, E. T.	2505	9th May, 1899	2nd June, 1899	22	1634
Deering Harvester Company (assignee of J. F. Steward and C. A. A. Rand)	Improvements in self-binding harvesters	2498	2nd May, 1899	2nd June, 1899	22	1634
Donnelly, T. C.	Improvements in screens	2520	12th May, 1899	2nd June, 1899	22	1635
Drage, J. J., and Bridgland, E. T.	Improvements in refrigerators	2505	9th May, 1899	2nd June, 1899	22	1634
Evens, R.	A specific for the cure of flukeworms and other diseases in sheep and other animals, and the prevention of same	2491	2nd May, 1899	2nd June, 1899	22	1634
Koopman, E. B.	Improvements in apparatus for exhibiting a succession of pictures, giving them an appearance of motion, and coin-freed mechanisim therefor	2508	9th May, 1899	2nd June, 1899	22	1635
Mettam, G. W.	A new or improved pneumatic hand shower	2501	6th May, 1899	2nd June, 1899	22	1634
Price, A.	Improvements in the Hotchkiss boiler cleaners	2510	9th May, 1899	2nd June, 1899	22	1635
Rand, C. A. A.	*Vide* Deering Harvester Co.	2498	2nd May, 1899	2nd June, 1899	22	1634
Saunders, L. E.	Improved apparatus for heating purposes to be used with oil vaporising stoves	2487	1st May, 1899	2nd June, 1899	22	1634
Steward, J. F.	*Vide* Deering Harvester Co.	2498	2nd May, 1899	2nd June, 1899	22	1634

Index of Subjects of Patents Granted.

AUGUST 12TH—26TH.

Title.	Name.	No.	Date.	*Gazette.* Date.	No.	Page.
Boiler Cleaners	Price, A.	2510	9th May, 1899	2nd June, 1899	22	1635
Coin-freed Mechanism	*Vide* Exhibiting Pictures ...	2508	9th May, 1899	2nd June, 1899	22	1635
Cream Separators	Aktieselskabet Burmeister, & Wains Maskin, & Skibsbyggeri	2509	9th May, 1899	2nd June, 1899	22	1635
Exhibiting Pictures	Koopman, E. B.	2508	9th May, 1899	2nd June, 1899	22	1635
Fluke Worms	Evens, R.	2491	2nd May, 1899	2nd June, 1899	22	1634
Harvesters	Deering Harvester Co. ...	2498	2nd May, 1899	2nd June, 1899	22	1634
Heating	Saunders, L. E.	2487	1st May, 1899	2nd June, 1899	22	1634
Refrigerators	Drage, J. J., and Bridgland, E. T.	2505	9th May, 1899	2nd June, 1899	22	1634
Screens	Donnelly, T. C.	2520	12th May, 1899	2nd June, 1899	22	1635
Shower (hand)	Mettam, G. W.	2501	6th May, 1899	2nd June, 1899	22	1634
Spike	Baker, F.	2183	23rd Aug., 1898	2nd June, 1899	22	1633
Stoves (oil vaporising) ...	*Vide* Heating	2487	1st May, 1899	2nd June, 1899	22	1634
Worms	*Vide* Fluke Worms	2491	2nd May, 1899	2nd June, 1899	22	1634

Trade Marks.

Patent Office, Perth,
1st September, 1899.

IT is hereby notified that I have received the undermentioned Applications for the Registration of Trade Marks.

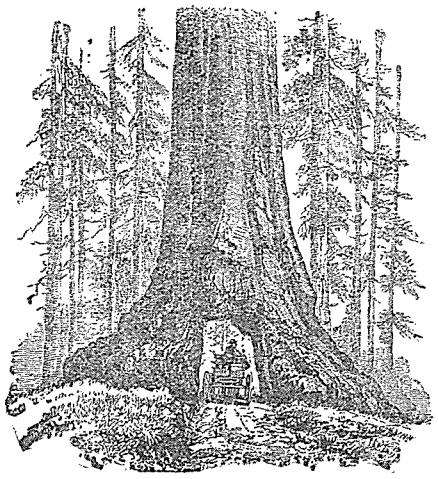
Any person or persons intending to oppose any of such applications must leave particulars in writing, in duplicate (on Form F), of his or their objections thereto, within two months of the first advertisement of the applications in the Western Australian *Government Gazette*.

A fee of £1 is payable with such notice.

MALCOLM A. C. FRASER,
Registrar of Designs and Trade Marks.

Application No. 1660, dated 13th June, 1899.—GRIERSON, OLDHAM, & Co., LIMITED, of "Big Tree" Wine Store, Waterloo Bridge, London, England, Wine Merchants and Shippers, to register in Class 43, in respect of Fermented Liquors and Spirits, a Trade Mark, of which the following is a representation:—

"BIG TREE" BRAND



The essential particulars of the Trade Mark are the device and the words, "Big Tree," and applicants disclaim any right to the exclusive use of the added matter.

This Mark was first advertised in the Western Australian *Government Gazette* of 7th July, 1899, *vide* notice at head of Trade Mark advertisements.

Application Nos. 1664, 1665, 1666, 1667, 1668, 1669, 1670 1671, 1672, 1673, 1674, and 1675, dated 20th June, 1899.—FOY AND GIBSON, of Nos. 130 to 152, Smith Street, Collingwood, in the Colony of Victoria, Merchants, to register in Class 7, in respect of Agricultural and Horticultural Machinery, and Parts of such Machinery. Application No. 1665, to register in Class 12, in respect of Cutlery and Edge Tools. Application No. 1666, to register in Class 14, in respect of Goods of Precious Metals (including Aluminium, Nickel, Britannia-metal, etc.), and Jewellery, and imitations of such Goods and Jewellery. Application No. 1667, to register in Class 36, in respect of Carpets, Floorcloth, and Oilcloth. Application No. 1668, to register in Class 37, in respect of Leather, Skins (Unwrought and Wrought), and Articles made of Leather not included in other Classes. Application No. 1669, to register in Class 38, in respect of Articles of Clothing. Application No. 1670, to register in Class 41, in respect of Furniture and Upholstery. Application No. 1671, to register in Class 42, in respect of Substances used as Food or as Ingredients in Food, except Jams and Sauces. Application No. 1672, to register in Class 45, in respect of Tobacco, whether Manufactured or Unmanufactured. Application No. 1673, to register in Class 46, in respect of Seeds for Agricultural and Horticultural Purposes. Application No. 1674, to register in Class 47, in respect of Candles, Common Soap, Detergents, Illuminating, Heating, or Lubricating Oils, Matches and Starch, Blue, and other Preparations for Laundry Purposes. Application No. 1675, to register in Class 50, in respect of Miscellaneous, including (1) Goods manufactured from Ivory, Bone, or Wood, not included in other Classes; (2) Goods manufactured from Straw or Grass, not included in other Classes; (3) Goods manufactured from Animal and Vegetable Substances not included in other Classes; (4) Tobacco Pipes; (5) Umbrellas, Walking Sticks, Brushes, and Combs; (6) Furniture, Cream, and Plate Powder; (7) Tarpaulins, Tents, Rick Cloths, Rope, and Twine; (8) Buttons of all kinds, other than of Precious Metals or imitations thereof; (9) Packing and Hose of all kinds; (10) Goods not included in the foregoing Classes, a Trade Mark, of which the following is a representation:—

COMMONWEALTH.

This Mark was first advertised in the Western Australian *Government Gazette* of 7th July, 1899—*vide* notice at head of Trade Mark advertisements.

Application No. 1679, dated 27th June, 1899.—HENRY BROOKS & COMPANY, of 70 Bishopsgate Street, London, England, and also of 65 Elizabeth Street, Melbourne, in the Colony of Victoria, Glass, Oil, and Colour Merchants, to register in Class 16, in respect of Glazed Bricks, Tiles, and similar articles, a Trade Mark, of which the following is a representation:—

OPALITE.

This Mark was first advertised in the Western Australian *Government Gazette* of 7th July, 1899—*vide* notice at head of Trade Mark advertisements.

Application No. 1681, dated 30th June, 1899.—COUCHE CALDER, & Co., Cantonment Street, Fremantle, Merchants, to register in Class 47, in respect of Mineral and Lubricating Oils, a Trade Mark, of which the following is a representation:—

VULCAN.

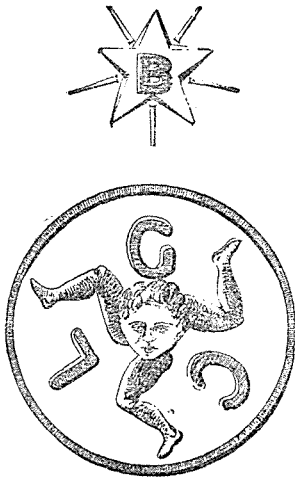
This Mark was first advertised in the Western Australian *Government Gazette* of 7th July, 1899—*vide* notice at head of Trade Mark advertisements.

Application No. 1661, dated 13th June, 1889.—BLOGG BROTHERS, of Melbourne, in the Colony of Victoria, Manufacturers, to register in Class 42, in respect of Baking Powder, a Trade Mark, of which the following is a representation:—

The essential particulars of the Trade Mark are the devices, and applicant Firm disclaims any right to the exclusive use of the added matter.

This Mark was first advertised in the Western Australian *Government Gazette* of the 14th July, 1899—*vide* notice at head of Trade Mark advertisements.

Application No. 1680, dated 29th June, 1899.—E. BACOT, G. GIULIANO, B. COSTA, and F. LOPES, all of 592 Collins Street, Melbourne, in the Colony of Victoria, Importers, to register in Class 47, in respect of Soap, and all other goods included in Class 47, a Trade Mark, of which the following is a representation :—



The essential particular of the Trade Mark consists of the combination of devices, and applicants disclaim the exclusive use of the added matter.

This Mark was first advertised in the Western Australian *Government Gazette* of the 14th July, 1899—*vide* notice at head of Trade Mark advertisements.

Application No. 1682, dated 6th July, 1899.—ROBERT DIXSON & Co., Newman Street, Fremantle, Tobacco Manufacturers, to register in Class 45, in respect of Tobacco, whether manufactured or unmanufactured, a Trade Mark, of which the following is a representation :—

LA FLOR CANDORE.

This Mark was first advertised in the Western Australian *Government Gazette* of the 14th July, 1899—*vide* notice at head of Trade Mark advertisements.

Applications Nos. 1683 and 1684, dated 3rd July, 1899.—CHARLES FREDERICK KLAPPROTH and ALEXANDER CRAIGIE, trading as "Klapproth, Craigie, & Co.," Gloucester Street, Victoria Park, W.A., Soap Manufacturers, to register in Class 47, in respect of Candles, Soaps, Oils, Starch, and Blue. Application No. 1684, to register in Class 48, in respect of Toilet Soap, a Trade Mark, of which the following is a representation :—

BORONIA.

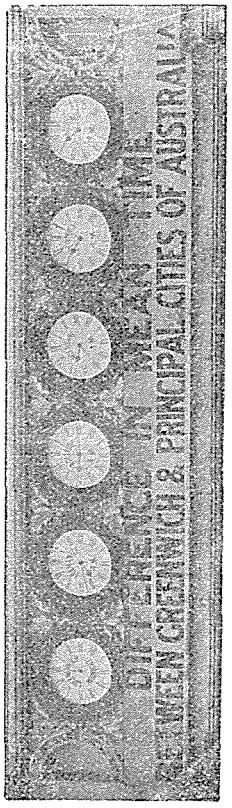
This Mark was first advertised in the Western Australian *Government Gazette* of the 14th July, 1899—*vide* notice at head of Trade Mark advertisements.

Application Nos. 1652 and 1653, dated 23rd May, 1899.—THE DUNLOP PNEUMATIC TYRE COMPANY, LIMITED, of 14 Regent Street, London, S.W., in England, Manufacturers, to register in Class 13, in respect of Wire Fastening Devices for use in Pneumatic Tires. Application No. 1653, to register in Class 40, in respect of Pneumatic Tires of India-rubber, a Trade Mark, of which the following is a representation :—

TRIFLEX.

This Mark was first advertised in the Western Australian *Government Gazette* of the 21st July, 1899—*vide* notice at head of Trade Mark advertisements.

Application No. 1676, dated 26th June, 1899.—FREDERICK WHEELER and WILLIAM GROTH, Fremantle, in the Colony of Western Australia, Watchmakers, Jewellers, and Opticians, to register in Class 10, in respect of Horological Instruments, a Trade Mark, of which the following is a representation :—



The essential particulars of the above Mark consist of the combination of devices, and the applicants disclaim any right to the exclusive use of the added matter.

This Mark was first advertised in the Western Australian *Government Gazette* of the 21st July, 1899—*vide* notice at head of Trade Mark advertisements.

Application Nos. 1688, 1689, and 1690, dated 7th July, 1899.—THOMAS HEDLEY AND COMPANY, LIMITED, of City Soap Works, City Road, Newcastle-on-Tyne, Northumberland, England, Soap Manufacturers, to register in Class 2, in respect of Chemical Substances used for Agricultural, Horticultural, Veterinary, and Sanitary Purposes. Application No. 1689, to register in Class 47, in respect of Common Soap, Detergents, Heating or Lubricating Oils, Matches, and Starch, Blue, and other Preparations for Laundry Purposes. Application No. 1690, to register in Class 48, in respect of Perfumery (including Toilet Articles, Preparations for Teeth and Hair, and Perfumed Soap), a Trade Mark, of which the following is a representation :—

The essential particulars of the Mark are the combination of devices and the word "Fairy," and any right to the exclusive use of the added matter is disclaimed.

This Mark was first advertised in the Western Australian *Government Gazette* of the 21st July, 1899—*vide* notice at head of Trade Mark advertisements.

APPLICATION Nos. 1691, 1692, and 1693, dated the 7th July, 1899.—THOMAS HEDLEY AND COMPANY, LIMITED, of City Soap Works, City Road, Newcastle-on-Tyne, Northumberland, England, Soap Manufacturers, to register in Class 2, in respect of Chemical Substances used for Agricultural, Horticultural, Veterinary, and Sanitary Purposes. Application No. 1692, to register in Class 47, in respect of Candles, Common Soap, Detergents, Illuminating, Heating, or Lubricating Oils; Matches, and Starch, Blue, and other Preparations for Laundry Purposes. Application No. 1693, to register in Class 48, in respect of Perfumery (including Toilet Articles, Preparations for Teeth and Hair, and Perfumed Soap), a Trade Mark, of which the following is a representation:—

This Mark was first advertised in the Western Australian *Government Gazette* of 21st July, 1899—*vide* notice at head of Trade Mark advertisements.

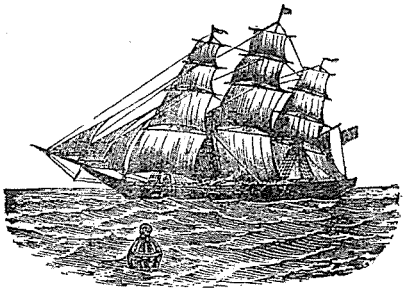
Application Nos. 1694, 1695, and 1696, dated 7th July, 1899.—THOMAS HEDLEY and COMPANY, LIMITED, of City Soap Works, City Road, Newcastle-on-Tyne, Northumberland, England, Soap Manufacturers, to register in Class 2, in respect of Chemical Substances used for Agricultural, Horticultural, Veterinary, and Sanitary Purposes. Application No. 1695, to register in Class 47, in respect of Candles, Common Soap, Detergents, Illuminating, Heating, and Lubricating Oils; Matches, and Starch, Blue, and other Preparations for Laundry Purposes. Application No. 1696, to register in Class 48, in respect of Perfumery (including Toilet Articles, Preparations for Teeth and Hair, and Perfumed Soap), a Trade Mark, of which the following is a representation:—

HYSSOP.

This Mark was first advertised in the Western Australian *Government Gazette* of 21st July, 1899—*vide* notice at head of Trade Mark advertisements.

Application No. 1663, dated 17th June, 1899.—JOHN CALABRESE, of 55 Torrington Square, London, England, Manufacturer, to register in Class 2, in respect of a Powder for Destroying Insects, a Trade Mark, of which the following is a representation:—

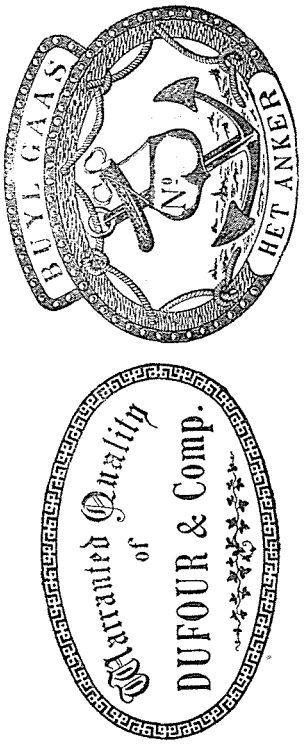
VERMITE



The essential particulars of the Trade Mark are the device and the word "Vermite."

This Mark was first advertised in the Western Australian *Government Gazette* of the 28th July, 1899—*vide* notice at head of Trade Mark advertisements.

Application No. 1685, dated 7th July, 1899.—DUFOUR & COMPANY, of Thal, Kanton St. Gallen, Switzerland, Manufacturers of Silk Bolting Cloth and Silk Gauze, to register in Class 31, in respect of Silk Bolting Cloth, being silk piece goods and Silk Gauze, being silk piece goods, a Trade Mark, of which the following is a representation:—



The said Trade Mark having been used by us in respect of the articles mentioned 43 years before the 1st day of January, 1885.

This Mark was first advertised in the Western Australian *Government Gazette* of the 28th July, 1899—*vide* notice at head of Trade Mark advertisements.

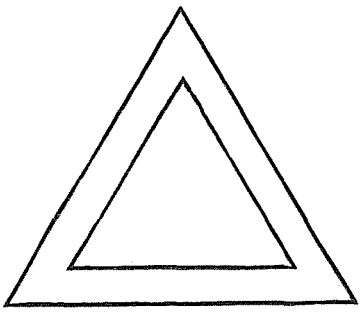
Application No. 1687, dated 7th July, 1899.—SAMUEL LEEDS ALLEN, WILLIAM HOOTON ROBERTS, and ELIZABETH HOOTEN RITCHIE, trading as a firm of S. L. ALLEN & Co., in the City of Philadelphia, State of Pennsylvania, United States of America, Manufacturers of Agricultural Machinery, to register in Class 7, in respect of Agricultural and Horticultural Machinery, and parts of such Machinery, a Trade Mark, of which the following is a representation:—

PLANET JR.

The said Trade Mark having been used by the said firm in respect of the articles mentioned for nine years before the 1st day of January, 1885.

This Mark was first advertised in the Western Australian *Government Gazette* of the 28th July, 1899—*vide* notice at head of Trade Mark advertisements.

Application No. 1697, dated 8th July, 1899.—WILLIAM JAMES GEORGE and WILLIAM SMITH, trading as "W. J. George & Co.," of the "Black Swan" Foundry, Wellington Street, Perth, Western Australia, Engineers, to register in Class 6, in respect of Machinery of all kinds, and Parts of Machinery, except agricultural and horticultural machines included in Class 7, a Trade Mark, of which the following is a representation:—



This Mark was first advertised in the Western Australian *Government Gazette* of the 28th July, 1899—*vide* notice at head of Trade Mark advertisements.

Application No. 1698, dated 11th July, 1899.—JOHN MADDOCKS WALKER, JOHN THOMAS REYNOLDS, and ARTHUR FREDERIC WALKER, trading in co-partnership as "J. M. Walker & Company," of 29 Mosley Street, Manchester, in the County of Lancaster, England, Manufacturers, to register in Class 24, in respect of Cotton Piece Goods, a Trade Mark, of which the following is a representation :—

The essential particulars of the Trade Mark are the "Beaverskin," and the combination of devices, and the Applicants disclaim any right to the exclusive use of the added matter.

This Mark was first advertised in the Western Australian *Government Gazette* of the 28th July, 1899—*vide* notice at head of Trade Mark advertisements.

Application No. 1704, dated 18th July, 1899.—WOOD, DUNN & Co., PROPRIETARY, LIMITED, Market Street, Melbourne, Victoria, Produce Merchants, to register in Class 42, in respect of Butter, Bacon, and Cheese, a Trade Mark, of which the following is a representation :—

GRANGE

This Mark was first advertised in the Western Australian *Government Gazette* of 28th July, 1899—*vide* notice at head of Trade Mark advertisements.

Application No. 1705, dated 18th July, 1899, WOOD, DUNN & Co., PROPRIETARY, LIMITED, Market Street, Melbourne, Victoria, Produce Merchants, to register in Class 42, in respect of Butter, Bacon, and Cheese, a Trade Mark, of which the following is a representation :—

RUBY.

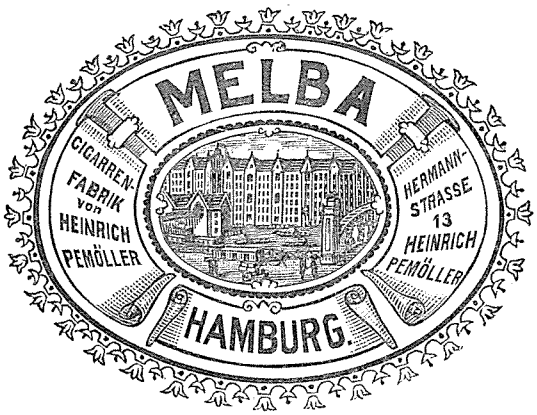
This Mark was first advertised in the Western Australian *Government Gazette* of the 28th July, 1899—*vide* notice at head of Trade Mark advertisements.

Application No. 1706, dated 18th July, 1899, WOOD, DUNN & Co., PROPRIETARY, LIMITED, Market Street, Melbourne, Victoria, Produce Merchants, to register in Class 42, in respect of Butter, Bacon, and Cheese, a Trade Mark, of which the following is a representation :—

AUSTRAL.

This Mark was first advertised in the Western Australian *Government Gazette* of the 28th July, 1899—*vide* notice at head of Trade Mark advertisements.

Application No. 1712, dated 18th July, 1899.—ERNEST LANGFORD SUTTON and CLAUDE HILL READING, trading under the name or style of "Sutton & Company," at 100 Clarence Street, Sydney, New South Wales, Cigar and Tobacco Importers, to register in Class 45, in respect of Manufactured and Unmanufactured Tobacco, a Trade Mark, of which the following is a representation :—



The essential particulars of the Trade Mark are the device and the word "Melba," and any right to the exclusive use of the added matter is disclaimed, save and except the name-words Heinrich Peemöller.

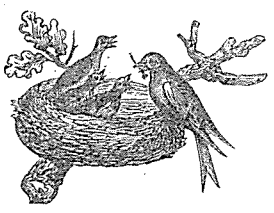
This Mark was first advertised in the Western Australian *Government Gazette* of 28th July, 1899—*vide* notice at head of Trade Mark advertisements.

Application No. 1713, dated 18th July, 1899.—ERNEST LANGFORD SUTTON and CLAUDE HILL READING, trading under the name or style of "Sutton & Company," at 100 Clarence Street, Sydney, New South Wales, Cigar and Tobacco Importers, to register in Class 45, in respect of Manufactured and Unmanufactured Tobacco, a Trade Mark, of which the following is a representation :—

The essential particulars of the Trade Mark are the device and the representation of the written signature "Heinrich Peemöller," and any right to the exclusive use of the added matter is disclaimed.

This Mark was first advertised in the Western Australian *Government Gazette* of the 28th July, 1899—*vide* notice at head of Trade Mark advertisements.

Application No. 1686, dated 7th July, 1899.—GUSTAVE AGUET, EMILE LOUIS ROUSSY and AUGUSTE MAYOR, trading as "Henri Nestlé," of 48 Cannon Street, London, England; Christiania, Norway, and Vevey, Switzerland, Merchants, to register in Class 42, in respect of Milk Food or Lacteous Farina and Condensed Milk, a Trade Mark, of which the following is a representation :—



The said Trade Mark having been used by us and our predecessors in business in respect of Milk Food or Lacteous Farina 12 years before the 1st day of January, 1885, and in respect of Condensed Milk at least one year before the 1st day of January, 1885.

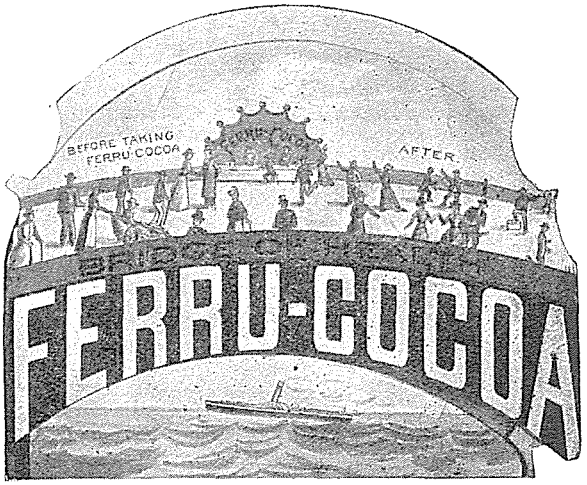
This mark was first advertised in the Western Australian *Government Gazette* of the 4th August, 1899—*vide* notice at head of Trade Mark advertisements.

Application No. 1709, dated 18th July, 1899.—CURTIS'S & HARVEY, LIMITED, 3 Gracechurch Street, London, England, Explosives Manufacturers, to register in Class 20, in respect of Explosives Substances, a Trade Mark, of which the following is a representation :—

CANNONITE.

This Mark was first advertised in the Western Australian *Government Gazette* of the 4th August, 1899—*vide* notice at head of Trade Mark advertisements.

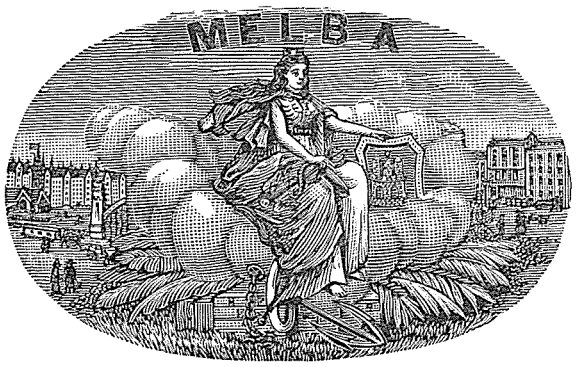
Application No. 1710, dated 18th July, 1899.—FERRU-COCOA MANUFACTURING COMPANY, LIMITED, of 16, 17, and 18 Queen Street, Carmarthen, Wales, and 329 Goswell Road, London, England, Cocoa Manufacturers, to register in Class 42, in respect of Cocoa, a Trade Mark, of which the following is a representation :—



The essential particulars of the Trade Mark are the combination of devices and the word "Ferru," and any right to the exclusive use of the added matter is disclaimed.

This Mark was first advertised in the Western Australian *Government Gazette* of the 4th August, 1899—*vide* notice at head of Trade Mark advertisements.

Application No. 1711, dated 18th July, 1899.—ERNEST LANGFORD SUTTON and CLAUDE HILL READING, trading under the name or style of "Sutton & Company," at 100 Clarence Street, Sydney, New South Wales, Cigar and Tobacco Importers, to register in Class 45, in respect of Tobacco, whether manufactured or unmanufactured, a Trade Mark, of which the following is a representation :—



The essential particulars of the Trade Mark consists of the device and the word "Melba," and any right to the exclusive use of the added matter is disclaimed.

This mark was first advertised in the Western Australian *Government Gazette* of the 4th August, 1899—*vide* notice at head of Trade Mark advertisements.

Application No. 1714, dated 19th July, 1899.—OGDEN'S, LIMITED, 45 York Street, Sydney, New South Wales, to register in Class 45, in respect of Tobacco, whether manufactured or unmanufactured, a Trade Mark, of which the following is a representation :—

"MIDNIGHT"

This mark was first advertised in the Western Australian *Government Gazette* of the 4th August, 1899—*vide* notice at head of Trade Mark advertisements.

Application No. 1715, dated 19th July, 1899.—OGDEN'S, LIMITED, 45 York Street, Sydney, N.S.W., to register in Class 45, in respect of Tobacco, whether manufactured or unmanufactured, a Trade Mark, of which the following is a representation :—

"TABS."

This Mark was first advertised in the Western Australian *Government Gazette* of the 4th August, 1899—*vide* notice at head of Trade Mark advertisements.

Application No. 1717, dated 25th July, 1899.—DURANT & Co., of 19 Mount Pleasant, London, England, Manufacturers, to register in Class 48, in respect of Perfumery (including Toilet Articles, Preparation for the Teeth and Hair, and Perfumed Soap) a Trade Mark, of which the following is a representation :—

DYLISSIA

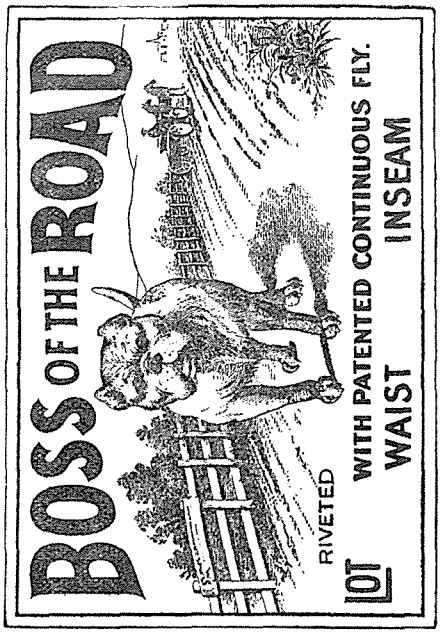
This Mark was first advertised in the Western Australian *Government Gazette* of the 4th August, 1899—*vide* notice at head of Trade Mark advertisements.

Application No. 1718, dated 26th July, 1899.—THE IMPERIAL JARRAH WOOD CORPORATION, LIMITED, Bunbury, W.A., Timber Merchants, to register in Class 50, subsection 10, in respect of Timber, a Trade Mark, of which the following is a representation :—

IMPERIAL

This Mark was first advertised in the Western Australian *Government Gazette* of the 4th August, 1899—*vide* notice at head of Trade Mark advertisements.

Application No. 1699, dated 17th July, 1899.—LOUIS DEMEL, Dalgety Street, Fremantle, Merchant, to register in Class 38, in respect of Articles of Clothing, a Trade Mark, of which the following is a representation :—



The essential particulars of the above Mark consist of the words "Boss of the Road" together with the combination of devices, and the applicant disclaims any right to the exclusive use of the added matter.

This Mark was first advertised in the Western Australian *Government Gazette* of the 11th August, 1899—*vide* notice at head of Trade Mark advertisements.

Application No. 1700, dated 17th July, 1899.—LOUIS DEMEL, Dalgety Street, Fremantle, Merchant, to register in Class 42, in respect of Substances used as Food, or as Ingredients in Food, a Trade Mark, of which the following is a representation :—

The essential particulars of the above Mark consist of the word "Rawattee" and the combination of devices, and the applicant disclaims any right to the exclusive use of the added matter.

This Mark was first advertised in the Western Australian *Government Gazette* of the 11th August, 1899—*vide* notice at head of Trade Mark advertisements.

Application No. 1701, dated 17th July, 1899.—LOUIS DEMEL, Dalgety Street, Fremantle, Merchant, to register in Class 42, in respect of Substances used as Food, or as Ingredients in Food, a Trade Mark, of which the following is a representation :—

The essential particulars of the above Mark consist of the word "Ugalla" and the combination of devices, and the applicant disclaims any right to the exclusive use of the added matter.

This Mark was first advertised in the Western Australian *Government Gazette* of the 11th August, 1899—*vide* notice at head of Trade Mark advertisements.

Application No. 1702, dated 17th July, 1899. — LOUIS DEMEL, Dalgety Street, Fremantle, Merchant, to register in Class 42, in respect of Substances used as Food, or as Ingredients in Food, a Trade Mark, of which the following is a representation :—

The essential particulars of the above Mark consist of the word "Maravilla" and the combination of devices, and the applicant disclaims any right to the exclusive use of the added matter.

This Mark was first advertised in the Western Australian *Government Gazette* of the 11th August, 1899—*vide* notice at head of Trade Mark advertisements.

Application No. 1708, dated 18th July, 1899.—J. C. BRENNAN & Co., Government Road, Beaconsfield, Fremantle, in the Colony of Western Australia, Manufacturers, to register in Class 45, in respect of Tobacco, whether manufactured or unmanufactured, a Trade Mark, of which the following is a representation :—

The essential particulars of the above Mark consist of the word "Football" and the combination of devices, and the applicants disclaim any right to the exclusive use of the added matter.

This Mark was first advertised in the Western Australian *Government Gazette* of the 11th August, 1899—*vide* notice at head of Trade Mark advertisements.

Application No. 1716, dated 22nd July, 1899, ISAAC JACOB, of 176 Queen Street, Melbourne, in the Colony of Victoria, Merchant, to register in Class 42, in respect of substances used as Food, or as Ingredients in Food, a Trade Mark, of which the following is a representation :—

The essential particulars of the Trade Mark consist of the "Mill Stone" device and the word "Fibrina," and the applicant disclaims any exclusive right to the added matter.

This Mark was first advertised in the Western Australian *Government Gazette* of the 11th August, 1899—*vide* notice at head of Trade Mark advertisements.

Application No. 1677, dated 27th June, 1899.—THE POTTER DRUG AND CHEMICAL CORPORATION, 135-7 Columbus Avenue, Boston, United States of America, Manufacturing Chemists, to register in Class 3, in respect of Chemical Substances prepared for use in Medicine and Pharmacy, a Trade Mark, of which the following is a representation :—

CUTICURA.

This Mark was first advertised in the Western Australian *Government Gazette* of the 18th August, 1899—*vide* notice at head of Trade Mark advertisements.

Application No. 1678, dated 27th June, 1899.—G. AND C. MERRIAM COMPANY, of Springfield, Massachusetts, United States of America, Publishers of *Webster's International Dictionary*, to register in Class 39, in respect of a Book, entitled *Webster's International Dictionary*, a Trade Mark, of which the following is a representation :—

The essential particular of the above Trade Mark is the device, and the applicant disclaims any right to the exclusive use of the added matter, save and except the name "Webster's."

This Mark was first advertised in the Western Australian *Government Gazette* of the 18th August, 1899—*vide* notice at head of Trade Mark advertisements.

Application Nos. 1721, 1722, and 1723, dated 7th August, 1899.—WALTER WESLEY GARNER, trading under the name or style of F. H. FAULDING & Co., at 341-343 Murray Street, Perth, Western Australia, Wholesale and Manufacturing Druggists and Chemists, to register in Class 3, in respect of Chemical Substances prepared for use in Medicine and Pharmacy. Application No. 1722, to register in Class 11, in respect of Instruments, Apparatus, and Contrivances not Medicated, for Surgical or Curative Purposes, or in relation to the Health of Men or Animals. Application No. 1723, to register in Class 48, in respect of Perfumery (including Toilet Articles, Preparations for the Teeth and Hair, and Perfumed Soap), a Trade Mark, of which the following is a representation :—

MARIONA.

This Mark was first advertised in the Western Australian *Government Gazette* of the 18th August, 1899—*vide* notice at head of Trade Mark advertisements.

Application No. 1724, dated 8th August, 1899.—THE DUNLOP PNEUMATIC TYRE COMPANY, AUSTRALASIA, LIMITED, of 14 Regent Street, London, S.W., in England, Manu-

facturers, to register in Class 40, in respect of Tyres made of India-rubber, a Trade Mark, of which the following is a representation :—

This Mark was first advertised in the Western Australian *Government Gazette* of the 18th August, 1899—*vide* notice at head of Trade Mark advertisements.

Application No. 1727, dated 8th August, 1899.—THE AMERICAN TOBACCO COMPANY, No. 507 West Twenty-Second Street, New York, in the United States of America, to register in Class 45, in respect of Cigars, a Trade Mark, of which the following is a representation :—

This Mark was first advertised in the Western Australian *Government Gazette* of the 18th August, 1899—*vide* notice at head of Trade Mark advertisements.

Application No. 1728, dated 10th August, 1899.—THE JOHN HUNTER COMPANY, LIMITED, of Murray Street, Perth, Western Australia, Boot and Shoe Manufacturers, to register in Class 38, in respect of Boots and Shoes, a Trade Mark, of which the following is a representation:—

The essential particular of the Mark is the combination of devices, and applicant company disclaims the exc'usive use of the added matter.

This Mark was first advertised in the Western Australian *Government Gazette* of the 18th August, 1899—*vide* notice at head of Trade Mark advertisements.

Application No. 1563, dated 19th December, 1898.—W. AND A. GILBEY, LTD., Pantheon, Oxford Street, London, to register in Class 43, in respect of Wines and Spirits and Fermented Liquors, a Trade Mark, of which the following is a representation :—

This Mark was first advertised in the Western Australian *Government Gazette* of the 25th August, 1899—*vide* notice at head of Trade Mark advertisements.

Application No. 1637, dated 9th May, 1899.—SALMON & GLUCKSTEIN, LIMITED, 41 Clerkenwell Road, London, England, Tobacco Manufacturers, to register in Class 45, in respect of Tobacco, whether manufactured or unmanufactured, a Trade Mark, of which the following is a representation :—

The essential particular of the Trade Mark is the combination of devices, and the applicants disclaim any right to the exclusive use of the added matter, except in so far as it consists of their own name and address.

This Mark was first advertised in the Western Australian *Government Gazette* of the 1st September, 1899—*vide* notice at head of Trade Mark advertisements.

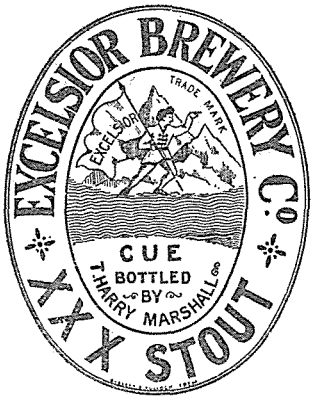
Application No. 1719, dated 2nd August, 1899.—THOMAS HARRY MARSHALL, Excelsior Brewery, Dowley Street, Cue, W.A., Brewer and Aerated Water Manufacturer, to register in Class 43, in respect of Beer, a Trade Mark, of which the following is a representation :—

The essential particulars of the Trade Mark are the combination of devices and the word "Excelsior," and applicant disclaims any right to the exclusive use of the added matter, except in so far as it consists of the trading name "Excelsior Brewery Co." and T. Harry Marshall.

This Mark was first advertised in the Western Australian *Government Gazette* of the 1st September, 1899—*vide* notice at head of Trade Mark advertisements.

Application No. 1720, dated 2nd August, 1899.—THOMAS HARRY MARSHALL, Excelsior Brewery, Dowley Street, Cue, Western Australia, Brewer and Aerated Water Manu-

facturer, to register in Class 43, in respect of Stout, a Trade Mark, of which the following is a representation :—



The essential particulars of the Trade Mark are the combination of devices and the word "Excelsior," and applicant disclaims any right to the exclusive use of the added matter, except in so far as it consists of the trading name "Excelsior Brewery Co." and T. Harry Marshall.

This Mark was first advertised in the Western Australian *Government Gazette* of the 1st September, 1899—*vide* notice at head of Trade Mark advertisements.

Application No. 1726, dated 8th August, 1899.—ROSELLA PRESERVING COMPANY PROPRIETARY, LIMITED, of Errol Street, North Melbourne, in the Colony of Victoria, to register in Class 42, in respect of Substances used as Food, or as Ingredients in Food, a Trade Mark, of which the following is a representation :—

The essential particulars of the Trade Mark are the following: The device and the word "Waratah," and we disclaim any right to the exclusive use of the added matter.

This Mark was first advertised in the Western Australian *Government Gazette* of the 1st September, 1899—*vide* notice at head of Trade Mark advertisements.

Application Nos. 1736 and 1737, dated 18th August, 1899.—WILLIAM PRETTY & SON, of Ipswich, Suffolk, England, Corset Manufacturers, to register in Class 13, in respect of Metal Goods included in this Class. Application No. 1737, to register in class 38, in respect of Corsets and Belts, being in the nature of Corsets and other Articles of Clothing, a Trade Mark, of which the following is a representation :—

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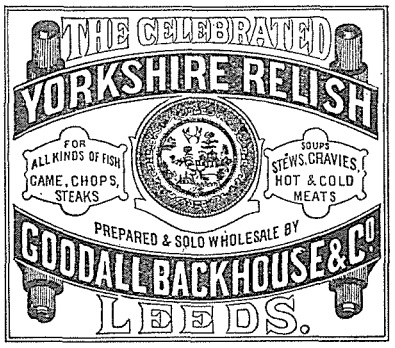
This Mark was first advertised in the Western Australian *Government Gazette* of the 1st September, 1899—*vide* notice at head of Trade Mark advertisements.

Application No. 1738, dated 24th August, 1899.—WILLIAM POWELL, trading under the style or firm of "Goodall, Backhouse & Co.," of White Horse Street, Leeds, Yorkshire, England, Drysalters, to register in Class 42, in respect of Sauces and Relishes, a Trade Mark, of which the following is a representation :—



The said Trade Mark having been used by me and my predecessors in business in respect of the articles mentioned for over 12 years before the 21st day of September, 1876.

This Mark was first advertised in the Western Australian *Government Gazette* of the 1st September, 1899—*vide* notice at head of Trade Mark advertisements.

Alphabetical List of Registrants of Trade Marks.

AUGUST 12TH—26TH.

Name.	Goods.	Class.	No.	Date.	*Gazette.* No.	*Gazette.* Date.	*Gazette.* Page.
Asbest-und-Gummiwerke Alfred Calmen Actien Gesellschaft	Machine belting manufactured from Indiarubber or Guttapercha and not included in other classes	40	1655	2nd June, 1899	25	23rd June, 1899	1869
Couche, Calder, & Co. ...	Artificial manures	2	1629	9th May, 1899	25	23rd June, 1899	1868
Davis & Lawrence Co., Ltd.	A medicine	3	1650	16th May, 1899	25	23rd June, 1899	1868
Detmold, William, Ltd. ...	Paper, paper bags, and stationery	39	1481	15th Aug., 1898	24	16th June, 1899	1784
Grimble & Co., Ltd. ...	Vinegar, pickles, sauces, and other substances used as food or as ingredients in food	42	1602	14th Mar., 1899	24	16th June, 1899	1784
Higgins	*Vide* Robinson & Higgins	42	1651	17th May, 1899	25	23rd June, 1899	1868
James, Jno., trading as "John James & Co.," also as "James Lipton"	Substances used as food or as ingredients in food	42	1654	31st May, 1899	23	9th June, 1899	1717
Kelly, John Peter	Polish for furniture, linoleums and oilcloths	*50	1618	21st April, 1899	23	9th June, 1899	1716
Lipton, James	*Vide* Jno. James, trading as "John James & Co.," also as "James Lipton"	42	1654	31st May, 1899	23	9th June, 1899	1717
Osmonds' Ltd.	Cycles	22	1646	12th May, 1899	23	9th June, 1899	1716
Robinson & Higgins ...	Fermented liquors and wine ...	43	1651	17th May, 1899	25	23rd June, 1899	1868
Watson, James, & Co., Ltd.	Whisky	43	1586	27th Jan., 1899	23	9th June, 1899	1717
White, A. J., Ltd.	Chemical substances prepared for use in medicine and pharmacy	3	1656	8th June, 1899	24	16th June, 1899	1717

* Sub-section 6.

Index of Goods for which Trade Marks have been Registered.

AUGUST 12TH—26TH.

Goods.	Name.	No.	Date.	Class.	*Gazette.* No.	*Gazette.* Date.	*Gazette.* Page.
Artificial Manures ...	*Vide* Manures	1629	9th May, 1899	2	25	23rd June, 1899	1868
Belting (Indiarubber or Guttapercha)	Asbest-und-Gummiwerke, Alfred Calmen Actien Gesellschaft	1655	2nd June, 1899	40	25	23rd June, 1899	1869
Chemical Substances	A. J. White, Limited	1656	8th June, 1899	3	24	16th June, 1899	1717
Cycles	Osmonds, Limited	1646	12th May, 1899	22	23	9th June, 1899	1716
Food Substances ...	Grimble & Co., Limited	1602	14th Mar., 1899	42	24	16th June, 1899	1784
Food Substances ...	Jno. James, trading as "John James & Co.," also as "James Lipton"	1654	31st May, 1899	42	23	9th June, 1899	1717
Furniture Polish ...	*Vide* Polish	1618	21st April, 1899	*50	23	9th June, 1899	1716
Liquors	Robinson & Higgins	1651	17th May, 1899	43	25	23rd June, 1899	1868
Machine Belting ...	*Vide* Belting	1655	2nd June, 1899	40	25	23rd June, 1899	1869
Manures	Couche, Calder & Co.	1629	9th May, 1899	2	25	23rd June, 1899	1868
Medicine	The Davis & Lawrence Compy., Limited	1650	16th May, 1899	3	25	23rd June, 1899	1868
Paper	*Vide* Stationery	1481	15th Aug., 1899	39	24	16th June, 1899	1784
Polish	John Peter Kelly	1618	21st April, 1899	*50	23	9th June, 1899	1716
Stationery	William Detmold, Limited	1481	15th Aug., 1898	39	24	16th June, 1899	1784
Whisky	James Watson & Co., Limited	1586	27th Jan., 1899	43	23	9th June, 1899	1717
Wine	*Vide* Liquors	1651	17th May, 1899	43	25	23rd June, 1899	1868

By Authority: RICHARD PETHER, Government Printer, Perth.