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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,  
6th September, 1901.

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. 3109.—JOHN HENRY BAILEY BROWN, of Fremantle, Salesman, "*An improved Butter Press.*"—Dated 25th September, 1901.

#### Claims:—

An improved butter box particularly as described and ascertained in the specification and as illustrated in the accompanying drawings.

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

Application No. 3116.—GEORGE JAMES KINGSBURY, of Coolgardie, Western Australia, Plumber, "*Apparatus for the combined generation, distribution, and supply of Acetylene Gas.*"—Dated 2nd October, 1900.

#### Claims:—

1. IN ACETYLENE GENERATORS.—The use of a suspended dome as B which is provided with a swivel jointed guide as B' so as to allow such dome to swing freely out of the way during the time that the carbide is being replenished or the exhaust carbide removed substantially as and for the purposes herein set forth and explained and as illustrated in Figures 1 and 3 of the accompanying drawings.

2. IN ACETYLENE GENERATORS.—The combination of a suspended and swinging dome as B with a gas generator constructed and arranged as herein set forth and described and as illustrated in Figures 1 and 3 of the accompanying drawings.

3. IN ACETYLENE GENERATORS.—The use of a holder as G to G<sup>3</sup> having a quantity indicator board as L and used in combination with a generator as above claimed and described, such holder being constructed and arranged as herein set forth and explained and as illustrated in Figure 2 of the accompanying drawings.

Specifications, 7s. Drawings on application.

Application No. 3424.—FRANK LEMONT DODGSON, of Rochester, New York, United States of America, Engineer, "*Improvements in Pneumatic Railway Signalling.*"—Dated 10th June, 1901

#### Claims:—

1. In low-pressure pneumatic signalling, a transfer valve by the use of which two pipes 1 and 2 only are employed for conveying fluid pressure from a signal cabin in such a manner that when pipe 1 is used to produce operation of a movable part (switch, signal, gate, or the like) in one direction, pipe 2 is used to convey return pressure to the signal cabin and vice versa.

2. In a transfer valve for controlling the flow of air from or to a given point, through three chambers, means for closing one of the chambers and opening a second one when pressure is introduced into the third chamber, and for closing said third chamber and opening the first one when pressure is introduced in the second substantially as described.

Specifications, 13s. Drawings on application.

Application No. 3439.—ALEXANDER MUIRHEAD, of Shortlands, Kent, England, Doctor of Science, Telegraph Engineer, "*Improvements relating to Electric Telegraphy.*"—Dated 24th June, 1901.

1. In a system of electric telegraphy, the method, substantially as described, of employing positive and negative currents of varying duration to produce at the receiving end of the line deflexions on the receiving instrument of corresponding varying lengths or duration.

2. The combination, with a complete conductive circuit through the conductor of a telegraph line from the earth at one end to the earth at the other end, of means whereby positive and negative currents of varying duration are applied to the said conductor, and further means for producing at the receiving end of the line deflexions on the receiving instrument of corresponding varying lengths or duration substantially as set forth.

3. The combination, in a system of duplex telegraphy, of a complete and uninterrupted conductive circuit through the conductor of the cable and the receiving instrument from earth at one end to earth at the other end, other than through the conductor of the artificial cable, means whereby positive and negative currents of varying duration are applied to the said cable, and means for producing at the receiving end thereof deflexions on the receiving instrument of corresponding varying lengths or duration substantially as set forth.

4. In a system of automatically retransmitting signals from one section of telegraph line to another, the method of producing positive and negative deflexions from the "zero" line of the relay contact tongue of varying duration and of applying thereby to the next section of the said line battery contacts varying in duration correspondingly.

5. In systems of retransmission on cables, applying shunts to the sending and receiving circuits in such manner that there is a complete conductive circuit through the conductor of the cable and through the receiving instrument between the earth at the sending end and the earth at the receiving end of each section of cable for the purpose of transmission by means of varying lengths of contact with battery substantially as set forth.

6. A telegraphic relay having a vibrating or moving contact body divided into sections the central one of which forms a zero surface of conducting material, is insulated from the other sections, and is included in a local circuit separate from those in connection with the outer sections.

7. A telegraphic relay having a contact body composed of three conducting sections the central or zero one of which is included in a local circuit arrangement by which the character of the received or the retransmitted signals is improved.

8. In combination, in a telegraphic receiver, a tongue operated through the received impulses, a contact body upon or against which the tongue makes contact divided into three conductive sections the two outer of which constitute the terminals of a battery, a local relay and battery included in a circuit completed through the receiver tongue and the central conducting section of the contact body, and apparatus in the local circuit of the local relay serving to convert into the correct number of separate impulses the effect of any prolonged contact made by the receiver tongue.

9. A recorder-coil relay constructed substantially as described with reference to Figures 11 to 13 or to Figure 14 of the accompanying drawings.

16. The telegraphic transmitting, receiving, or re-transmitting arrangements substantially as described with reference to the examples illustrated by Figures 8, 9, or 10 of the accompanying drawings.

Specification, £1 1s. Drawings on application.

Application No. 3447.—FRANK LEMONT DODGSON, of Rochester, New York, United States of America, Engineer, "*Improvements in Pneumatic Railway Signalling.*"—Dated 2nd July, 1901.

Claims:—

1. In a railway signalling apparatus, the combination of a signal arm or other movable part, the operating lever, a track circuit, and means controlled by the track circuit for producing movement of said lever, substantially as described.

2. In railway signalling apparatus, a signal worked from one point (such as its operating lever) and means adjacent to said operating lever in the signal cabin by which the said signal or the like may be replaced to the "Danger" attitude either through the operation of a track circuit moving its operating lever without the intervention of the signalman or by the action of the signalman direct.

3. In railway signalling apparatus, electrical means whereby a movable part (such as a signal) is moved to a predetermined position and the operating lever held to retain the movable part in that position as long as a train or vehicle is on a given length or railway.

Specification, 19s. Drawings on application.

Application No. 3451.—WILLIAM TIMBRELL CLARK, of Perth, Consulting Engineer, "*An Improved Spark-arrester for Locomotive and other Steam Boilers.*"—Dated 4th July, 1901.

Claims:—

1. In mechanism for arresting sparks in locomotive and other steam boilers, a circular or conical casing E in combination with an adjustable cone F, or cylinder, so constructed as to admit of the intervening space between the casing and the cone or cylinder; to be increased or diminished by moving either along an axis common to both, as and for the several purposes set forth.

2. In mechanism for arresting sparks in locomotive or other steam boilers, a casing A forming a chamber to enclose the hot gases while passing over the boiler and forming an increased passage area, relatively to the funnel or chimney in combination with Louvres C, and discharging trays Y<sup>1</sup> or archimedean screws; as and for the purposes specified.

3. The general arrangement, construction, and combination of parts in my spark-arresting apparatus for use on locomotive and other steam boilers as herein described, as illustrated in the drawing, and for the several purposes specified.

Specification, 7s. Drawings on application.

Application No. 3452.—EUGEN SCHILZ, of Johannesburg, South Africa, "*An improved Extraction of Gold Ores.*"—Dated 4th July, 1901.

Claim:—

The improvement of the extraction of gold ores by means of cyanide solutions, which improvement consists in mixing the finely divided gold ores, concentrates, residues, slimes, tailings or the like thoroughly with peroxide of barium (Ba O<sub>2</sub>) or with a mixture of Ba O<sub>2</sub> and Ba O during or before their treatment with cyanide solutions, substantially as described.

Specifications, 15s.

Application No. 3453.—JOHN BREEDON, of John Street, Granville, near Sydney, New South Wales, Brickmaker, "*An improved method, with apparatus therefor, for treating Kaolin, Slimes, Saponaceous Earthy Matter, and the like, preparatory to the extraction, by either amalgamation, chlorination, leaching, or such like process, of the precious metals contained therein.*"—Dated 5th July, 1901.

Claims:—

1. In the treatment of kaolin, slimes, saponaceous earthy matter, and the like, for the recovery of the precious metals contained therein, the herein described method or process of coagulating such material, and the moulding of same into tubular and channelled formation, the subsequent treatment of same in a severed condition, by heat, and the further treatment of the said tubular pieces deposited in a jumbled mass within calcining chambers, as herein described.

2. In the treatment of gold-bearing materials of the kind herein-before described, the conversion of the coagulated material into tubular or channelled formations, and the depositions within the said tubes or channels, of an inflammable material which is frequently destroyed when the material is deposited in a jumbled condition within a calcining chamber, to create thereafter passages for the distribution of the heat, as herein described.

3. In the preparation of gold-bearing materials of the class described for the purpose of calcination, a tubular or channelled formation produced in the manner described, and for the purposes set forth.

4. In the preparation of kaolin or gold-bearing pug, the alternative process herein described, consisting of the conversion of a flat sheet of material partially coagulated into sub-divided and tubular formation in the manner described.

5. In the preparation of kaolin or gold-bearing pug for calcining purposes, the deposition within tubular or channelled formations formed within the said material, of an inflammable material which is frequently destroyed when the material is deposited in a jumbled condition within a calcining chamber, thereafter to create passages for the distribution of the heat, as herein described.

6. In apparatus adapted for the treatment of kaolin, slimes, saponaceous earthy matter, and the like, the combination, with an expressing appliance adapted to the production of a tubular or channelled formation, of a heating chamber arranged for the transmission of heat to shaking tables contained therein, heating flues therefrom and communicating with a multitubular heating chamber, and with a conveyor chamber, whose conveyor is adapted to sub-divide the treated material and to cause it to pass over a heated surface adjacent to the said flue, and communicating with and discharging it into the expressing appliance, as described and shown and for the purposes set forth.

7. In apparatus suitable for the treatment of coagulated pieces of auriferous material discharged from an expressing appliance, a heated shaking table or a series of such, of the kind herein described and for the purposes set forth.

8. In apparatus adapted for the treatment of slimes and such like gold-bearing material which have been partly coagulated, the expressing appliance consisting of a lower chamber having outlet orifices adapted to discharge the expressed material in tubular or channelled formation, as described and shown and for the purposes set forth.

9. In expressing apparatus adapted for the treatment of slimes and such like gold-bearing material, the combination, with a lower chamber adapted to create tubular or channelled formations, of a cutting off appliance serviceable for the sub-division of the expressed material, as described and shown and for the purposes set forth.

10. The combination, consisting of an expressing chamber adapted for the treatment of slimes and such-like gold-bearing material, with a multitubular heating chamber, and a severing appliance, as described and shown and for the purposes set forth.

11. In apparatus arranged for the production of tubular or channelled formations and charging the same with inflammable matter, the combination, consisting of a lower chamber having a movable piston and constructed with suitable outlet orifices an upper chamber to be charged with inflammable material and separated therefrom by a tube plate whose tubes extend into the lower chamber, and a piston operating therein, in the manner described, and for the purposes set forth.

12. In the treatment of kaolin or gold-bearing pug, the alternative apparatus consisting of a fixed multi-chambered die, a plate provided with pins or studs to produce channelled formations, an inflammable mixture chamber associated with a plate provided with pins or studs, the whole intermittently operated in the manner described and shown, and for the purposes set forth.

13. In apparatus serviceable for effecting the calcining portion of the process herein referred to, the combination of a kiln whose calcining chambers are adapted to receive tubular formations in a jumbled condition, with a series of heated shaking tables, a discharging conveyor located partly thereon, and a receiving and distributing conveyor communicating with the said calcining chambers, as described and shown and for the purposes set forth.

14. In apparatus adapted to coagulate and calcine tubular or channelled pieces of expressed gold-bearing material, the combination with a heated shaking table or a series of such, of a kiln having furnaces adjacent to calcining chambers and communicating therewith, a series of separately operated flues and passages, as described and shown, and for the purposes set forth.

15. In the construction of kilns for the treatment of coagulated pieces of kaolin, slimes, saponaceous earthy matter, and the like, the combination, with separately operated calcining chambers adapted for the reception of said pieces therein in a jumbled condition, and having outwardly sloping floors, of, upper and lower furnaces, fuel retaining hearths, feed holes in such hearths and upper feed holes, ducts and passages, upper and lower flues communicating from the said furnaces to a central chamber, and upper and lower flues communicating from the calcining chamber to the said central chamber, and horizontal flues communicating transversely from one calcining chamber to another, and also with the central chamber, the said flues and passages being arranged and adapted either from the alternate continuous burning of the kiln, or for the concentration of the heat generated in either one or more of the double furnaces into one calcining chamber, or for the transmission of the heat generated on one side of the kiln through the medium of the horizontal flue to a calcining chamber situated on the opposite side of the main central flue, together with the operating dampers therefor, as described and shown, and for the purposes set forth.

16. The general combination and arrangement of the parts herein described, the whole being used for effecting the train of operations, as described and shown, and as illustrated in the drawings, and for the purposes set forth.

Specification, 23s. Drawings on application.

Application No. 3455.—GEORGE JOHN HOSKINS and CHARLES HENRY HOSKINS, Engineers, of Darling Street, Ultimo, Sydney, New South Wales, "*An improved Ring and Joint to be used specially with the locking bar type of Sheet Metal Pipes.*"—Dated 8th July, 1901.

Claims:—

1. A jointing ring for uniting the adjacent ends of the locking bar type of sheet metal pipes consisting of a double ended socket piece the internal diameter of which shall about equal the distance between the external faces of the locking bars; the double ended socket piece of the ring being connected together by a tubular part, having a smaller diameter, such smaller part being recessed or grooved to admit of the passage of the locking bar as herein specified.

2. Flattening that portion of the locking bar of sheet metal pipes which underlies the joint ring as and for the purposes herein set forth.

3. A jointing ring consisting of a double-ended socket piece connected together by a tubular piece of smaller diameter in which is made grooves or depressions to receive the locking bars in combination with flattened surfaces on the locking bars, such flattened surfaces underlying the double ended socket piece of the jointing ring as and for the purposes specified.

4. The general arrangement, construction and combination of parts in our improved ring and joint to be used specially with the locking bar type of sheet metal pipes as herein specified and for the several purposes set forth.

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

Application No. 3456.—FRANCIS JAMES ODLING, of 2 Prince's Walk, Prince's Bridge, Mining Engineer, and WILLIAM JAMESON, of 31 Queen Street, Gentleman, both in Victoria, "*Improved Process for Magnetically Separating Pulverized Ores, Sulphide or otherwise, from their gangue or from each other.*"—Dated 9th July, 1901.

Claims:

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

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

Application No. 3458.—JAMES PETER ROE, of 721 King Street, Pottstown, Pennsylvania, United States of America, Mechanical Engineer, "*Improvements in and relating to Puddling Machines.*"—Dated 9th July, 1901.

Claims:—

1. In a machine for puddling and balling or massing iron, the combination of a hearth having an opening at one end for the discharge of the iron in a mass, a door for said opening, means for movably supporting said hearth, means for oscillating said hearth, means for feeding heated gases to the hearth, and suitable chimneys or stacks carried at each end of the hearth for the escape of the products of combustion.
2. In a machine for puddling and balling or massing iron, the combination of a hearth, means for movably supporting the hearth, means for imparting a rocking motion to the hearth, means for delivering products of combustion to the hearth, and means for conveying away from the hearth said products of combustion, said delivering and conveying means being located one at the middle and the other at the ends of the hearth.
3. A machine for puddling and balling or massing iron, comprising a hearth having its bottom and the lower parts of its sides composed of water pipes, and oxide of iron superposed on and adhering to said pipes, means for rocking said hearth, and means for delivering heated gases to said hearth, whereby all parts of the hearth are exposed to the heated gases and the bottom and sides rebuilt from the oxide of iron contained in the bath.
4. A machine for puddling iron, comprising a trough extending the full length of the machine, the bottom thereof consisting of a hollow metallic foundation and oxide of iron resting thereon, means for causing a circulation of water through said metallic foundation, means whereby one end of said trough is alternately raised and lowered below the level of the other end, and means for delivering the products of combustion to said trough, whereby the bath is caused to shift from end to end of the trough and thus expose said trough to the heating gases.
5. A machine for puddling and balling or massing iron, comprising a hearth, means for feeding heated gases to said hearth, chimneys or stacks mounted on said hearth at each end thereof, and converging above the same, and means for rocking said hearth.
6. A machine for puddling iron, comprising a trough, means for rocking said trough, a chimney or stack at each end of said trough, a damper for each chimney or stack, means whereby the dampers are opened and closed alternately, and means for delivering products of combustion to the trough located between said chimneys or stacks.
7. A machine for puddling and balling or massing iron, comprising a trough, means for alternately raising and lowering the opposite ends of said trough, a chimney or stack at each end of said trough, dampers for said chimneys or stacks, and means for automatically opening one of said dampers and closing the other at each oscillation of the trough.
8. A machine for puddling and balling or massing iron, comprising a trough having a chimney or stack mounted on each end thereof, means for feeding heated gases to said trough from each side thereof, and means for rocking said trough.
9. A machine for puddling and balling or massing iron, comprising a trough having a chimney or stack mounted thereon at each end, means for feeding the heating agent to said trough between the ends thereof, and means for rocking said trough.
10. A machine for puddling and balling or massing iron, comprising a trough having a chimney for the escape of the products of combustion of each end, means for feeding heated gases to said trough, and means for alternately tilting the ends of the trough, whereby the bath is caused to gravitate from end to end of the trough.
11. In a machine for puddling and balling or massing iron, the combination of a furnace comprising a trough or hearth extending the full length of the machine, a roof over said trough or hearth, means for movably supporting said furnace, means for imparting a rocking motion thereto transverse the longitudinal axis of the furnace, and means for delivering hot products of combustion uniformly to all parts of the interior of the furnace.
12. The combination, in a puddling furnace, of a door frame having a convex seat around the opening for the door, and a door having a similar convex seat around its inner face to abut against the convex seat on the frame, whereby a rounded surface is presented to the liquid cinder and the latter thus prevented from adhering to the door frame and door upon chilling.

13. The combination, in a puddling furnace, of a door frame comprising side jambs forms in sections arranged one above the other, an upper cross girder, a lower cross piece, a door comprising a series of castings to hold the lining arranged side by side, cross girders to which said castings are secured, and a lining of refractory material.

14. The combination, in a puddling furnace, of a door frame comprising an upper cross girder having a flange formed with a convex seat, a lower cross piece or plate having a convex seat, and side jambs having convex seats, and a door having a convex seat extending around the same and arranged to abut against the door frame convex seats when the door is closed.

15. The combination, in a puddling furnace, of a door frame comprising side jambs composed of a series of sections each having a convex seat at its edge, an upper cross girder having a flange formed with a convex seat and said flange being slotted at intervals, a bottom cross piece composed of a series of plates each of which is formed with a convex seat, and a door having a convex seat surrounding the same to engage the convex seats on the frame.

16. The hereinbefore described door for puddling furnaces, comprising a series of castings each of which having a top and bottom flange on one side thereof, a recess on the opposite side having inclined side walls, refractory material for said recess, a joint plate for securing said material in place, and suitable cross girders arranged for connection with said castings to hold the same together.

17. The combination, in a puddling furnace, of a door frame comprising an upper girder having a convex seat, a pipe arranged in proximity to said seat, a lower girder or cross piece composed of separate plates each having convex seat formed thereon, side jambs having convex seats, and a door having a convex seat around its inner face arranged to engage the convex seats of the frame.

18. The combination, in a puddling furnace, of a door frame having a convex seat surrounding the opening for the door, a door having a surrounding convex seat arranged to abut against the convex seat on the frame, and means for pivotally supporting the door in position.

Specification, £1. Drawings on application.

Application No. 3461.—JOHN SINCLAIR, of 15 Ballast Point Road, Balmain, near Sydney, New South Wales, Marine Engineer, "*Improvements in Screw-propellers and appurtenances for the propulsion and steering of ships, parts of which are applicable to universal joints or shaft couplings.*"—Dated 16th July, 1901.

Claims:—

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

Specification, 15s. Drawings on application.

Application No. 3462.—WILLIAM KINGSLAND, of 8 Bream's Buildings, Chancery Lane, London, England, Electrical Engineer, "*Improvements in or connected with Electric Switches having intermittent or step-by-step motions.*"—Dated 16th July, 1901.

Claims:—

1. In electric switches to which it is required to communicate intermittent or step-by-step motions; a spindle capable of being rocked in bearings by an operating arm or equivalent fixed thereto, which arm may be automatically brought to, and held in a normal position, by a counterweight or equivalent, and capable of being moved therefrom in either direction for a regulated distance, and an arm or disc fixed on the spindle to carry a freely suspended, or pivoted, double-ended pawl, suitably balanced, in combination with an intermittent wheel, loosely mounted on the spindle, or carried by a separate co-axial spindle, the intermittent wheel having two sets of ratchet teeth sloping in opposite

directions and arranged in different planes, the movable switch member being connected directly or indirectly to the intermittent wheel, so that when the arm is rocked, the balanced or counterweighted pawl engages one or other of the sets of ratchet teeth according to the direction of motion given to the operating arm, thereby causing the intermittent wheel and the movable switch member to be moved through a defined angular distance of travel, the action being then repeated in either required direction, substantially as set forth.

2. In electric switches to which it is required to communicate intermittent or step-by-step motions; connecting the movable member of a switch, directly or indirectly to an intermittent wheel mounted upon a spindle, and capable of being revolved, the wheel being formed with two sets of ratchet teeth sloping in opposite directions and arranged in different planes, in combination with an arm or disc mounted co-axially with the intermittent wheel and capable of receiving partial revolution by an operating arm or equivalent, the disc having a crank pin or stud from which is suspended a ring encircling the intermittent wheel, there being oppositely arranged detents projecting in different planes from the inner circumference of the ring, so that one detent can operate upon one set of teeth, or the other detent upon the other set of teeth of the intermittent wheel, to partly rotate same and the switch therewith, according to the direction in which the disc is rocked by the operating arm, the latter being normally brought to, and maintained, in a central position, and its motion limited in either direction by stops, substantially as set forth.

3. In tappet operated electric switches, particularly applicable for the purposes of electrical traction, and to which it is required to communicate intermittent or step-by-step motions; mounting the tappet operated arm upon a spindle carried in bearings, the arm being automatically brought to a normal position by a counterweight or equivalent, and capable of being rocked from thence in either direction for a distance limited by stops, and an arm or disc fixed to the said spindle and carrying a stud from which is suspended a ring having dents or pawls, one projecting from each side internally and in different planes, in combination with an intermittent wheel located within the ring and having two sets of ratchet teeth sloping in opposite directions and arranged in different planes, the wheel being loosely mounted upon the aforesaid spindle or upon a separate co-axial spindle, and being directly or indirectly connected with a cylindrical switch so that when the tappet arm is rocked, the ring shaped pawl is brought into engagement with one or other set of the ratchet teeth by gravity, and the switch is moved through the required angular distance, after which the tappet arm is automatically returned to its normal position, the direction of motion of the switch corresponding to the direction of motion given to the tappet arm, substantially as set forth.

4. In electric switches to which it is required to communicate intermittent or step-by-step motions, the combination and arrangement of the mechanism therefor, constructed, applied, and acting substantially as and for the purposes described with reference to the accompanying drawings.

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

Application No. 3464.—HUGH FITZALIS KIRKPATRICK PICARD, Metallurgist, of 44 London Wall, London, E.C., England, "*Improvements in or relating to the Treatment of Slags and By-products containing Zinc.*"—Dated 17th July, 1901.

Claim:—

The process of treating slags and other bye-products containing zinc which consists in grinding, roasting the substance if necessary to the form of oxides, mixing the product so obtained with carbonaceous material suitable for coking, preferably forming the mixture into briquettes and distilling the briquettes under such conditions that they are first coked into coherent masses and finally the zinc is reduced and volatilised while the residual molten slag which may contain recoverable metals is retained in minute particles throughout the coke.

Specification, 3s.

Application No. 3465.—FRANCIS AMBROSE MOSS, of Kalgoorlie, Western Australia, Metallurgist, "*A new process for the Extraction and Separation of Gold from finely crushed Ore, Sand, Slimes, and other material.*"—Dated 19th July, 1901.

Claim:—

In apparatus for washing sands slimes and similar material with a view to the extraction and separation of gold therefrom, the mixer A, the agitating Chamber B, the agitating Vat C, the Separator boxes D<sup>1</sup>, D<sup>2</sup>, D<sup>3</sup>, D<sup>4</sup>, D<sup>5</sup>, D<sup>6</sup>, D<sup>7</sup>, the elevators or air lifts E<sup>1</sup>, E<sup>2</sup>, E<sup>3</sup>, E<sup>4</sup>, E<sup>5</sup>, the compressed air pipes G, and J<sup>1</sup>, J<sup>2</sup>, J<sup>3</sup>, J<sup>4</sup>, J<sup>5</sup>, and J<sup>6</sup>, the run off pipes L<sup>1</sup>, L<sup>2</sup>, L<sup>3</sup>, L<sup>4</sup>, L<sup>5</sup>, the overflow water pipes M<sup>1</sup>, M<sup>2</sup>, M<sup>3</sup>, M<sup>4</sup>, M<sup>5</sup>, the compressed air pipes Q<sup>1</sup>, and Q<sup>2</sup>, and pipes P. & R. substantially as described herein and shown in the drawings herewith. I wish it to be distinctly understood that I claim the above features separately or in combination so as to constitute a complete apparatus and continuous process by which the slimes, sands, or other material are by the aid of compressed air (in open or closed vats) and by the automatic applications of solutions kept in a thorough state of agitation and exposed to the operation of the cyanide solution by which a large percentage of the gold is extracted and separated. I have shown in my drawings a series of 7 vats with necessary attachments as explained but I do not confine myself to this number but may use fewer or more as circumstances dictate.

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

Application No. 3467.—EDWARD WATERS, JUN., of 414-418 Collins street, Melbourne, Victoria, Patent Agent (*The Linotype Company, Limited*), "*Improvements in Wipers for use in Linotype Machines.*"—Dated 25th July, 1901.

Claims:—

1. The combination with the metal-pot and the mould-wheel of a linotype machine, of a wiper for the mouth-piece of the said metal pot, working within the circle of the mould-wheel and actuated in one direction by the motion through a certain arc, of a stud on the said wheel and in the other by the resilience of a spring that is generated by the said motion.

2. The combination with the metal-pot and the mould-wheel of a linotype machine, of a wiper for the mouth-piece of the metal-pot; an arm radial to the axis of the mould-wheel and carrying the said wiper on its outer end; a spiral spring surrounding the bearing of the mould-wheel, fast by one end to a base independent of the rotary motion of the mould-wheel and having the said arm practically fast to its other end; a stud on the mould-wheel engaging the said arm to make the wiper wipe the mouth-piece; and means for disengaging the said arm from the stud after the mouth-piece has been wiped and leaving it free to be returned to its original position by the resilience of the spring.

3. The combination with the metal-pot and mould-wheel of a linotype machine, of a wiper for the mouth-piece of the metal-pot; an arm radial to the axis of the mould-wheel and carrying the said wiper on its outer end; a spiral spring surrounding the bearing of the mould-wheel, fast by one end to a base independent of the rotary motion of the mould-wheel and having the arm practically fast to its other end; a stud on the mould-wheel engaging the arm to make the wiper wipe the mouth-piece; and a cam-surface for disengaging the arm from the stud as soon as it has been wiped and leaving it free to be returned to its original position by the resilience of the spring as soon as such wiping has been effected.

4. The combination with the metal-pot and the mould-wheel of a linotype machine, of a wiper for the mouth-piece of the metal-pot; an arm radial to the axis of the mould-wheel and carrying the said wiper on its outer end; a spiral spring surrounding the bearing of the mould-wheel eccentrically to the axis of it, fast by one end to a base independent of the rotary motion of the mould-wheel and having the said arm practically fast to its other end; a contact piece adjustable lengthwise of the arm; and a stud on the mould-wheel to engage the said contact-piece to make the wiper wipe the mouth-piece and to leave it free to be returned to its original position by the resilience of the spring, so soon as such wiping has been effected.

5. The combination with the metal-pot and the mould-wheel of a linotype machine, of a wiper for the mouth-piece of the metal-pot; an arm radial to the axis of the mould-wheel and carrying the said wiper on its outer end; a spiral spring surrounding the bearing of the mould-wheel eccentrically to the axis of it, fast by one end to a base independent of the rotary motion of the mould-wheel and having the said arm practically fast to its other end; a contact-piece on the arm; and a stud on the mould-wheel to engage the said contact-piece to make the wiper wipe the mouth-piece and to leave it free to be returned to its original position by the resilience of the spring, as soon as such wiping has been effected.

6. In an automatic wiper for the mouth-piece of the metal-pot of a linotype machine working within the circle of the mould-wheel, the combination of mould-wheel bearing, spiral spring surrounding the same and concentric therewith, and interposed ring.

7. In an automatic wiper for the mouth-piece of the metal pot of a linotype machine working within the circle of the mould-wheel, the combination of wiper-arm; mould-wheel bearing; spiral spring surrounding the same and concentric therewith; ring interposed between the said bearing and spring; and means for holding the adjacent ends of the wiper arm and spring to the ring.

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

Application No. 3468.—JOSEF FÜHRER, of 5 Marokkaner Strasse, Vienna, Austria, "*Improvements in Explosives.*"—Dated 25th July, 1901.

Claim:—

The increase of the effective force of explosives by the utilisation of the caloric effect which is produced at the moment of firing by the transformation of a light metal, such as aluminium into its oxides, substantially as described.

Specification, 3s.

MALCOLM A. C. FRASER,  
Registrar of Patents.

Patent Office, Perth,  
30th August, 1901.

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. 35, 30th August, 1901.*

Application No. 3459.—EDWARD HERBERT HANKINS, Trainer; WALTER JOHN GORE, Brick-maker; and CHARLES PEARSON ROBERTS, Commission Agent, all of 49 Moray Place, Dunedin, New Zealand, "*An Improved Mechanical Counter.*"—Dated 12th July, 1901.

Specification, 5s. Drawings on application.

Application No. 3469.—THOMAS HEWTON, of 49 Moray Place, Dunedin, New Zealand, Miller, "*An Improved Apparatus for Straining Wire.*"—Dated 25th July, 1901.

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

Application No. 3477.—ALFRED EVERARD MACINDOE, of Auckland, New Zealand, Engineer. "*A Packing Holder for Piston Rods, Shafts, and such like, of Engines that require packing.*"—Dated 31st July, 1901.

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

Application No. 3478.—THOMAS GRUNDY, Engineer, and ROBERT POTTER, Gentleman, both of Auckland, New Zealand, "*A combined Safety Clothes Line and Peg Holder or Clamp.*"—Dated 31st July, 1901.

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

MALCOLM A. C. FRASER,  
Registrar of Patents.

Patent Office, Perth,  
23rd August, 1901.

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, 23rd August, 1901.*

Application No. 3188.—WILLIAM WERRY, of Phillip Street, Long Gully, Bendigo, Victoria, Engineer, "*Improvements in Engines for Steam or other expansive pressure fluids.*"—Dated 13th November, 1900.

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

Application No. 3437.—GUSTAVE LOUIS MOUCHEL, of 38 Victoria Street, London, England, Engineer, and CONSTANT ELIET, of 24 Rue Bellefontaine, l'Orient, France, Civil Engineer, "*Improvements in Concrete and Metal Partitions.*"—Dated 20th June, 1901.

Specification, £1 7s. 6d. Drawings on application.

Application No. 3442.—HERMANN WILHELM CARL EHMCKE, of Martin Street, Birkenhead, South Australia, Mechanical Engineer, "*A new or improved Purse for tickets.*"—Dated 25th June, 1901.

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

Application No. 3457.—GEORGE VINCENT WHITE, M.B.B.S., of Thursday Island, Torres Straits, North Queensland, and FRANK SUMMERS, of Ernest Street, North Sydney, New South Wales, Diver, "*A trunk or body protector or jacket for use by divers.*"—Dated 9th July, 1901.

Specification, 4s. Drawings on application.

MALCOLM A. C. FRASER,  
Registrar of Patents.

Patent Office, Perth,  
16th August, 1901.

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. 33, 16th August, 1901.*

Application No. 3435.—THOMAS JAMES MCBRIDE, of 570-576 Bourke Street, Melbourne, Victoria (communicated by Massey-Harris Company, Limited).—Dated 19th June, 1901.

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

Application No. 3436.—WILLIAM NICHOLLS, Gentleman, of 8 Barnard's Inn, Holborn, London, England, "*Improvements in Apparatus for supplying Aerated Liquids from bulk on draught.*"—Dated 19th June, 1901.

Specification, 9s. Drawings on application.

MALCOLM A. C. FRASER,  
Registrar of Patents.

Patent Office, Perth,  
9th August, 1901.

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, 9th August, 1901.*

Application No. 3142.—FREDERICK LAMBERT LORDE, Draughtsman, and HENRY CRACROFT TROLLOPE, Engineer, both of Roseneath, Wellington, New Zealand, "*An improved Machine for Cutting Tobacco.*"—Dated 15th October, 1900.

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

Application No. 3428.—EDWARD WATERS, Junior, of 414-418 Collins Street, Melbourne, in the State of Victoria (George Henry Oatway), "*Improvements in Automatic Fire Alarms.*"—Dated 11th June, 1901.

Specification, 9s. Drawings on application.

Application No. 3430.—METCHISLAW FIEDLER, of House Schelaputin, Mochowaja Street, in the City of Moscow, Russia, Director, "*Improvements in Explosive Compounds.*"—Dated 14th June, 1901.

Specification, 6s.

Application No. 3432.—GEORGE WESTINGHOUSE, of Westinghouse Building, Pittsburg, Pennsylvania, United States of America, Manufacturer, "*Improvements relating to the production and utilisation of Gas.*"—Dated 14th June, 1901.

Specification, 10s. Drawings on application.

Application No. 3433.—THOMAS JAMES MCBRIDE (General Manager for Australasia of Massey-Harris Co., Ltd.), of Nos. 570-576 Bourke Street, Melbourne, Victoria (Massey-Harris Company, Limited), "*Improvements in Mowers.*"—Dated 19th June, 1901.

Specification, 15s. Drawings on application.

Application No. 3434.—THOMAS JAMES McBRIDE (General Manager for Australasia of Massey-Harris Co., Ltd.), of Nos. 570-576 Bourke Street, Melbourne, Victoria (*Massey-Harris Company, Limited*), "*Improvements in Spring Tooth Cultivators*."—Dated 19th June, 1901.

Specification, 16s. Drawings on application.

MALCOLM A. C. FRASER,  
Registrar of Patents.

Patent Office, Perth,  
2nd August, 1901.

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, 2nd August, 1901.*

Application No. 3115.—EDWIN PHILLIPS, of 533 Collins Street, Melbourne, Victoria, Certified Patent Agent and Engineer (*Luther Look*), "*An Ore Concentrator*."—Dated 28th September, 1900.

Specification, £2. Drawings on application.

Application No. 3416.—GEORGE WESTINGHOUSE, of Pittsburg, Pennsylvania, United States of America, Manufacturer, "*Improvements in Car Couplings*."—Dated 4th June, 1901.

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

Application No. 3418.—JAMES GRESHAM and FRANK JAMES GRESHAM, both of Craven Iron Works, Salford, Lancaster, England, Engineers, "*Improvements in or applicable to Injectors*."—Dated 5th June, 1901.

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

Application No. 3420.—FRANK AMBROSE MOSS, of Kalgoorlie, Western Australia, Engineer, "*The Swanson Filter Press and Cyanide Cock*."—Dated 10th June, 1901.

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

Application No. 3421.—JAMES HENRY SHAW, Photographer, of Moore Street, Bunbury, Western Australia, "*An invention for reducing Auriferous, Stanniferous, and other Wash-dirts, to be termed 'The Perfect Puddler'*."—Dated 10th June, 1901.

Specification, 4s. Drawings on application.

Application No. 3422.—GEORGE GARIBALDI TURRI, of Queen Street, Melbourne, Victoria, Patent Agent (*The Cosmopolitan Power Company*), "*Improvements in the art of Condensing Steam or Cooling Fluids*."—Dated 10th June, 1901.

Specification, 8s. Drawings on application.

Application No. 3426.—EDWARD WATERS, junior, of 414-418 Collins Street, Melbourne, Victoria (*The Linotype Company, Limited*), "*Improvements in Linotype Machines*."—Dated 11th June, 1901.

Specification, £1 17s. 6d. Drawings on application.

Application No. 3427.—PEDRO VICTOR SAN MARTIN, Chemist; GREGORIO SOLDANI, Merchant, and LORENZO BEVERLEY TRANT, Merchant, all of 253 Calle San Martin, Buenos Aires, Argentine Republic, "*Improved process for Tanning*."—Dated 11th June, 1901.

Specification, 3s.

MALCOLM A. C. FRASER,  
Registrar of Patents.

Patent Office,  
19th July, 1901.

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. 29, 19th July, 1901.*

Application No. 3419.—WILLIAM DAVIDSON PEACOCK, of Hobart, Tasmania, Manufacturer, "*An improvement in Closing the ends of Tins for Perishable Comestibles*."—Dated 5th June, 1901.

Specification, 2s. 6d.

Application No. 3423.—GUSTAV ADOLPH HEINRICH PIETSCH, of Kiata East, Victoria, Farmer, "*Improvements in or connected with the Propulsion of Bicycles or Tricycles*."—Dated 10th June, 1901.

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

Application No. 3429.—MARIE HOLAUBEK, of 21 Wienstrasse, Vienna, Austria, "*A Wheel with resilient tyre*."—Dated 13th June, 1901.

Specifications, 6s. Drawings on application.

Application No. 3431.—JAMES BAKER, of Melbourne, Victoria, Engineer, "*Improvements in Bicycles driven partly by the rider's weight*."—Dated 14th June, 1901.

Specification, 5s. Drawings on application.

MALCOLM A. C. FRASER,  
Registrar of Patents.

Patent Office, Perth,  
12th July, 1901.

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, 12th July, 1901.*

Application No. 3403.—EDWARD WATERS, jun., of 131 William Street, Melbourne, Victoria, Patent Agent (*The Linotype Company, Limited*), "*Improvements in Linotype Machines for making improved displayed advertisement linotypes and repeat linotypes, and in the said displayed advertisement linotypes*."—Dated 24th May, 1901.

Specification, £1 7s. Drawings on application.

Application No. 3404.—HENRY CLAY BULL, of 15 West Square, Lambeth, London, England, Engineer, and ARTHUR WATLING, of 59 and 60 Chancery Lane, London, England, Land Agent, "*Improvements in the Extraction of Gold from Sea Water*."—Dated 24th May, 1901.

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

Application No. 3405.—RICHARD SPARROW, of Perth, Western Australia, Licensed Patents Agent (*William Chapman*), "*Improvements in or relating to track construction for Electric Railways operated on the Conduit System.*"—Dated 24th May, 1901.

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

Application No. 3406.—RICHARD SPARROW, of Perth, Western Australia, Licensed Patents Agent (*William Chapman*), "*Improvements in Insulators.*"—Dated 24th May, 1901.

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

Application No. 3407.—RICHARD SPARROW, of Perth, Western Australia, Licensed Patents Agent (*George Westinghouse*), "*Improvements in Draught Appliances for Railway Vehicles.*"—Dated 24th May, 1901.

Specification, 6s. Drawings on application.

Application No. 3409.—EDWARD JOHN MCFIE, of 317 Argyle Street, Hobart, Tasmania, Master Mariner, "*A new or improved anti-corrosive Boiler Composition, to be called 'McFie's Boiler Composition.'*"—Dated 25th May, 1901.

Specification, 2s.

Application No. 3412.—HYRUM SMITH WOOLLEY, Mining Engineer, Paris, State of Idaho, United States of America, "*Improvements in and relating to Furnaces.*"—Dated 28th May, 1901.

Specification, 9s. Drawings on application.

Application No. 3413.—WILLIAM ALLEN PENDRY, of 65 Farnsworth Avenue, Detroit, Michigan, United States of America, Mechanical Engineer, "*Improvements in Button-making Machines.*"—Dated 30th May, 1901.

Specification, £3 3s. Drawings on application.

MALCOLM A. C. FRASER,

Registrar of Patents.

Patent Office, Perth,  
6th July, 1901.

NOTICE is hereby given that the undermentioned Application for the Grant of Letters Patent, and the complete specification annexed thereto, has been accepted, and is now open to public inspection at this Office.

Any person or persons intending to oppose this application 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. 2922.—BERNARD HENRY TUCK, of Terowie, South Australia, Carpenter, "*A device for automatically throwing Windmills in and out of gear as reservoir fills or as water recedes in reservoir.*"—Dated 7th April, 1900.

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

MALCOLM A. C. FRASER,

Registrar of Patents.

#### Notice of Application for Amendment.

N.B.—The paging referred to is that of the proposed Amended Specification.

IN the matter of Application for Letters Patent No. 3303, dated 12th February, 1901, by JOSEPH WILKINSON, of Glen Mill, Burton-in-Lonsdale, York, England, Photographer, for an invention for "*Improvements in producing mixtures of vapourised oil and air for heating, lighting, and motor purposes.*"

Notice is hereby given that the above Joseph Wilkinson has applied for leave to amend the complete specification of his invention, alleging as his reasons for so doing, "that the scope of the invention may be the more correctly and clearly defined."

The amendments proposed are as follows, viz. [Reference being had to amended copy of specification lodged in Patent Office, Perth]:—

Page 6, line 6.

After the word "*Hydrocarbons*" insert the word "*preferably.*"

Page 6, line 26.

After the word "*oil,*" insert the words "*as the benzoline in the aforesaid mixture evaporates much quicker I fill up mainly with benzoline.*"

Page 8.

After the first claim, insert the following claims:—

2. The apparatus for forming a mixture of hydrocarbons and air substantially as herein described, and the combination with such apparatus of a heating device for heating the air previously to passing through the carburetter.

3. The improvement in heating by means of a self-burning mixture of vapourised oil and air, which consists in passing the air into the carburetter with such pressure and allowing the mixture of gas and air to escape from the nozzle at a speed greater than the speed of propagation of the flame.

4. The improvement in the arrangement of gas engines worked by a self-burning mixture of vapourised oil and air which consists in causing the gas engine to draw the air from around the exhaust pipe of the gas engine and through the carburetter by means of its own piston.

Any person or persons intending to oppose the said application for amendment must leave particulars, in writing (on Form G.) of his or their objections thereto, within one calendar month from the date hereof. A fee of ten shillings (10s.) is payable with such notice.

Dated this 16th day of August, 1901.

MALCOLM A. C. FRASER,

Registrar of Patents.

#### Notice of Application for Amendment.

[N.B.—The paging referred to is that of the proposed Amended Specification.]

IN the matter of Application for Letters Patent No. 3222, dated 8th December, 1900, by JOHN JAMES CHRISTMAS, of Perth, Western Australia, Mining Agent, for an invention for "*An improved Concentrating and Gold-saving Table.*"

Notice is hereby given that the above JOHN JAMES CHRISTMAS has applied for leave to amend the complete Specification and drawings of his invention, alleging as his reason for so doing, "*in order to more fully and accurately explain the exact nature of my invention and its essential features.*"

The amendments proposed are as follows, viz. [Reference being had to amended copy of Specification and drawings, lodged in Patent Office, Perth]:—

Strike out the whole of page 1.

Page 2.

Strike out lines 1 to 5, and insert the words:—"*This invention relates to the construction and arrangement of an improved table which has for its object the exhaustive concentration of all classes of ore, slimes, tailings, and other finely-divided material, so as to win the gold particles contained therein or other valuable metallic concentrates.*"

Strike out the balance of page 2.

Pages 3 and 4.

Insert the following:—"*In order that my invention may be clearly and accurately understood, I will refer to the accompanying drawings which illustrate the construction of same.*"

In these drawings:—

Figure 1 shows a portion of the table in longitudinal section, and with the travelling brush.

Figure 2 being a similar view showing the detachable ripple constructed of wood in lieu of composition.

Figure 3 is a transverse view of the table mounted on its frame; while

Figure 4 is a top plan of same.

In these drawings the arrows in full denote the incline of the table, and the consequent flow of the wash water, and the stuff under treatment, while the broken arrows show the direction of the travelling brush, and of the consequent removal of the concentrates.

A represents the corrugated table which is formed with the crests or ripples as A1 and the troughs or depressions as A2 and such table is placed at the approved incline and provided with the head or feed apron as A3 and on to which the stuff to be concentrated is delivered. On and along this table I place or bed down a blanket, canvas or analogous material as B in such a manner as to closely follow the contour of the table A and as clearly shown in Figures 1 and 2 by dotted lines. In the troughs A2 of the table I employ a certain composition formed approximately of seven parts Resin and one part of fat or oil. This composition is poured on when hot and thereby forms the additional ripples of the shape as shewn in Figure 1 by the letter C or approximating thereto. This composition adheres to the blanket as B and at its conjunction on either side forms the traps C1 in which the gold and concentrates are collected, and which concentrates are denoted in Figures 1 and 2 by small dots.

In lieu of this composition for forming the additional ripple and traps I may employ a wood ripple as D if the section shown in Figure 2, and which ripple is secured in a detachable manner to the main table A by means of the screw D2.

The table is provided with a longitudinal carry-away gutter as E into which the concentrates are swept as they accumulate in the traps C1, while on the opposite side of the table is formed the piece E1 for to give an easy lead to the brush. To effect such removal I employ the brush F which travels in a direction transversely to that of the lie of the table. This brush is connected to the belts F1, which latter travel over the wheels F2 on the running shafts F3 as mounted on the brackets shown in Figure 3. These wheels being driven by the pulleys F4 in usual manner.

It is obvious that I may attach two or more brushes to these travelling belts so as to effect a more constant

Page 5.

Insert the following:—removal of the concentrates as the amount of accumulation of the concentrates in the traps is controlled and determined either by the speed of the travel of the brush or the number of the brushes employed.

The mode of operation of the invention is apparent and easily followed by a perusal of this specification in conjunction with the attached drawings.

Strike out lines 8-22.

Insert the following:—

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed I declare that what I claim is:—

Page 6.

Insert the following:—

1. In combination with a concentrating table, additional ripple pieces formed of a peculiar composition substantially as herein set forth and described and as illustrated in Figure 1 of the accompanying drawings.

2. In combination with a concentrating table, a brush or brushes which travels or travel transversely across such table for the removal of the concentrates substantially as herein set forth and described and as illustrated in Figures 1, 3, and 4 of the attached drawings.

3. In combination with a concentrating table:—Additional ripple pieces made of wood and which ripples are secured to the main table, but in a detachable and replaceable manner, substantially as herein set forth and described and as illustrated in Figure 2 of the attached drawings.

4. The construction of an improved gold saving table covered with blanketing and provided with additional ripple pieces made of a peculiar composition or of wood and with a carry away gutter in combination with a travelling brush or travelling brushes for the removal of the concentrates substantially as herein set forth and described and as illustrated in the accompanying drawings.

Any person or persons intending to oppose the said application for amendment must leave particulars, in writing (on Form G.) of his or their objections thereto, within one calendar month from the date hereof. A fee of ten shillings (10s.) is payable with such notice.

Dated this 6th day of September, 1901.

MALCOLM A. C. FRASER,

Registrar of Patents.

### Applications for Patents.

AUGUST 17TH—31ST.

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

No.	Date.	Name.	Address.	Title.
3506	19th Aug., 1901	Macdonald, D. ... ..	Orroroo, S.A. ...	Improvements in gearing of bicycles.
*3507	20th Aug., 1901	Bride, J. C. ... ..	Queenstown, N.Z....	Improvements in totalisator.
3508	20th Aug., 1901	O'Rourke, J. F.... ..	New York, U.S.A.	Improvements in subterranean or subaqueous dam or foundation construction.
3509	20th Aug., 1901	Waters, E., jun. ( <i>G. H. Ellis</i> )	Melbourne, Vic. ...	Manufacture of twine from unretted flax-straw, and slivers for making the same.
3510	20th Aug., 1901	Dunlop Pneumatic Tyre Co. of Australasia, Ltd. ( <i>H. J. Doughty</i> )	Melbourne, Vic. ...	Improvements in apparatus for use in the manufacture of covers for wheel tyres.
3511	20th Aug., 1901	Westinghouse, G. (Assignee of W. J. Knox)	Pittsburg, U.S.A. ...	Improvements in or relating to the process and apparatus for the manufacture of gas.
3512	20th Aug., 1901	Westinghouse, G. (Assignee of W. J. Knox)	Pittsburg, U.S.A....	Improvements relating to the supply of heat to receptacles such as coking ovens, annealing ovens, and the like.
3513	22nd Aug., 1901	Sprang, F. H. ... ..	London, England...	Improvements in the manufacture of diving dresses.
*3514	23rd Aug., 1901	London and Hamburg Gold Recovery Co., Ltd. (Assignee of L. Diehl and G. H. Walkeden)	London, England...	Combined condensing and evaporating appliances for the distillation of impure water.
*3515	26th Aug., 1901	Becker, C. L. ... ..	Perth, W.A. ...	Improvements in opening and closing gates without alighting from vehicles.
3516	26th Aug., 1901	Tierney, T. P., & Douglas, E. J.	Boulder, W.A. ...	An improved process for precipitating saline matters and other solids from water, especially in condenser and other steam boilers.
3517	30th Aug., 1901	Patric, C. E. ... ..	Springfield, U.S.A.	Distributers for grain drills.
3518	30th Aug., 1901	Carter, R. H. ... ..	Kimbolton, N.Z. ...	An improved axe-head and handle therefor, and for other analogous implements.



## Provisional Specifications.

Patent Office, Perth, 6th September, 1901.

**A** PPLICATIONS for Letters Patent, accompanied by Provisional Specifications, which have been accepted from the 17th to the 31st August, 1901:—

- Application No. 3440.—EDWARD HERON, of Boulder, Western Australia, Carpenter, "*A rotary Gold-saving Machine.*"—Dated 25th June, 1901.
- Application No. 3443.—HUGH ANNAN CORBET, of Applecross, near Perth, Civil Servant, "*An improved process for the Refining of Gold and Silver Bullion.*"—Dated 26th June, 1901.
- Application No. 3445.—THOMAS HENRY EATT, of Norseman, Western Australia, Blacksmith, "*Improved Incinerator for the destruction of Nightsoil, Garbage, and such like.*"—Dated 29th June, 1901.
- Application No. 3446.—JOHN JOSEPH LEAHEY, 106 Barnard Street, North Adelaide, Contractor, and ARTHUR PARMITER, 5 Selby Street, Adelaide, Carpenter, both in South Australia, "*Improved method of and means for transferring travelling belts from one pulley to another.*"—Dated 2nd July, 1901.
- Application No. 3449.—EDWIN ANSON SPERRY, Mining Engineer, of Birvabik, Minnesota, United States of America, "*Improvements in Concentrators.*"—Dated 3rd July, 1901.
- Application No. 3450.—HENRY RENNER CASSEL, of 9 and 11 Worship Street, London, England, Chemist, "*A process and apparatus for the Extraction of Precious Metals from ores and compounds containing them.*"—Dated 3rd July, 1901.
- Application No. 3454.—EDWARD JAMES HORWOOD, Mining Engineer, and CYRIL GAVAN HYLTON, Mechanical Engineer, both of Broken Hill, New South Wales, "*In Concentrating Tables, an improved means for returning the middle product to the table for re-treatment.*"—Dated 8th July, 1901.
- Application No. 3460.—HARRY ARMSTRONG, of William Street, Perth, Western Australia, Sanitary and Electrical Engineer, "*Automatic Feed Water Controller for Acetylene Gas Generators.*"—Dated 12th July, 1901.
- Application No. 3463.—RICHARD HAYES, of 43 William Street, North Sydney, New South Wales, Engineer, "*An Improved Boiler Tube Cleaner.*"—Dated 16th July, 1901.
- Application No. 3466.—JAMES STEEDMAN HOLMES, of 207 Palmerston Street, Carlton, Victoria, Machinist, "*Improved Manifold Counter-check or Sales Book for drapers, traders and others.*"—Dated 25th July, 1901.
- Application No. 3476.—JOHN WILLIAM RAYFIELD, Mining Engineer, and CHARLES EDWARD MANTON, Assayer, both of Menzies, Western Australia, "*Improved process for the Recovery of Gold from pug or clay.*"—Dated 5th August, 1901.

MALCOLM A. C. FRASER,  
Registrar of Patents.

## Index of Applicants for Patents.

AUGUST 17TH—31ST.

Name.	Title.	No.	Date.
Becker, C. L. ... ..	Improvements in opening and closing gates without alighting from vehicles	3515	26th Aug., 1901
Bride, J. C. ... ..	Improvements in totalisator ... ..	3507	20th Aug., 1901
Carter, R. H. ... ..	An improved axe head and handle therefor, and for other analogous implements	3518	30th Aug., 1901
Diehl, L. ... ..	<i>Vide</i> London and Hamburg Gold Recovery Co., Ltd. ...	3514	23rd Aug. 1901
Doughty, H. J. ... ..	<i>Vide</i> Dunlop Pneumatic Tyre Co. of Australasia, Ltd. ...	3510	20th Aug., 1901
Douglas, E. J., and Tierney, T. P. ...	<i>Vide</i> Tierney, T. P., and Douglas, E. J. ... ..	3516	26th Aug., 1901
Dunlop Pneumatic Tyre Co. of Australasia, Ltd. ( <i>H. J. Doughty</i> )	Improvements in apparatus for use in the manufacture of covers for wheel tyres	3510	20th Aug., 1901
Ellis, G. H. ... ..	<i>Vide</i> Waters, E., jun. ... ..	3509	20th Aug., 1901
Knox, W. J. ... ..	<i>Vide</i> Westinghouse, G. ... ..	3511	20th Aug., 1901
Knox, W. J. ... ..	<i>Vide</i> Westinghouse, G. ... ..	3512	20th Aug., 1901
London and Hamburg Gold Recovery Co., Ltd. (assignee of L. Diehl and G. H. Walkeden)	Combined condensing and evaporating appliances for the distillation of impure water	3514	23rd Aug., 1901
Macdonald, D. ... ..	Improvements in gearing of bicycles ... ..	3506	19th Aug., 1901
O'Rourke, J. F. ... ..	Improvements in subterranean or subaqueous dam or foundation construction	3508	20th Aug., 1901
Patrie, C. E. ... ..	Distributers for grain drills ... ..	3517	30th Aug., 1901
Sprang, F. H. ... ..	Improvements in the manufacture of diving dresses ...	3513	22nd Aug., 1901
Tierney, T. P., and Douglas, E. J. ...	An improved process for precipitating saline matters and other solids from water, especially in condenser and other steam boilers	3516	26th Aug., 1901
Walkeden, G. H. ... ..	<i>Vide</i> London and Hamburg Gold Recovery Co., Ltd. ...	3514	23rd Aug., 1901
Waters, E., jun. ( <i>G. H. Ellis</i> ) ... ..	Manufacture of twine from unretted flax-straw, and slivers for making the same	3509	20th Aug., 1901
Westinghouse, G. (assignee of W. J. Knox)	Improvements in or relating to the process and apparatus for the manufacture of gas	3511	20th Aug., 1901
Westinghouse, G. (assignee of W. J. Knox)	Improvements relating to the supply of heat to receptacles such as coking ovens, annealing ovens, and the like	3512	20th Aug., 1901

## Index to Subjects of Patent Applications.

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Title.	Name.	No.	Date.
Axe head ... ..	Carter, R. H. ... ..	3518	30th Aug., 1901
Bicycles ... ..	Macdonald, D. ... ..	3506	19th Aug., 1901
Boilers ... ..	Tierney, T. P., and Douglas, E. J. ... ..	3516	26th Aug., 1901
Condenser ... ..	London and Hamburg Gold Recovery Co., Ltd. ... ..	3514	23rd Aug., 1901
Cover ... ..	<i>Vide Tyres</i> ... ..	3510	20th Aug., 1901
Dam ... ..	O'Rourke, J. S. ... ..	3508	20th Aug., 1901
Diving dresses ... ..	Sprang, F. H. ... ..	3513	22nd Aug., 1901
Drills (grain) ... ..	Patric, C. E. ... ..	3517	30th Aug., 1901
Gas ... ..	Westinghouse, G. ... ..	3511	20th Aug., 1901
Gates ... ..	Becker, C. L. ... ..	3515	26th Aug., 1901
Heat Supply ... ..	Westinghouse, G. ... ..	3512	20th Aug., 1901
Ovens ... ..	<i>Vide Heat Supply</i> ... ..	3512	20th Aug., 1901
Totalisator ... ..	Bride, J. C. ... ..	3507	20th Aug., 1901
Twine ... ..	Waters, E., Jun. ... ..	3509	20th Aug., 1901
Tyres ... ..	Dunlop Pneumatic Tyre Co. of Australasia, Ltd. ... ..	3510	20th Aug., 1901

## Index of Patentees.

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				Date.	No.	Page.
Atkins, G. J. ... ..	Improvements in the manufacture of chlorine and in the employment thereof for bleaching, for disinfecting, for the treatment of metals and metallic ores, and so forth	3385	8th May, 1901	7th June, 1901	23	2237
Atkins, G. J. ... ..	Improvements in the electrolysis of chlorides of metals of the alkalies and alkaline earths for the purpose of obtaining chlorine and apparatus therefor	3386	8th May, 1901	7th June, 1901	23	2237
Baddeley, R. M. ... ..	A sliding ventilator for doorways, windows, and all open spaces of buildings	3395	21st May, 1901	21st June, 1901	25	2437
Band, H. F. ... ..	Improvements in tool for clamping crossed wires together.	3394	16th May, 1901	21st June, 1901	25	2437
Corbett, F. J. ... ..	An improved apparatus for manufacturing white lead	3392	14th May, 1901	21st June, 1901	25	2437
Coutts, J., and Maiden, H.	<i>Vide Maiden, H., and Coutts, J.</i> ... ..	3411	28th May, 1901	28th June, 1901	26	2543
Dobson, J. ... ..	An improved signalling gong ... ..	3415	4th June, 1901	28th June, 1901	26	2543
Gold, F. ... ..	A combination mushroom-shaped fixed water tight washer head, and screw nail for securing corrugated iron roofing and fencing	3094	11th Sept., 1900	21st June, 1901	25	2437
Hagerty, W., and Rasmussen, H. P.	<i>Vide Rasmussen, H. P., and Hagerty, W.</i> ... ..	3400	21st May, 1901	14th June, 1901	24	2344
Hayes, A. ... ..	Improvements in vapourising and burning hydrocarbon oils	3388	8th May, 1901	7th June, 1901	23	2237
Heenan, M. ... ..	An improved bottle-holder ... ..	3051	10th Aug., 1900	24th May, 1901	21	2013
Joseph, A. J. ... ..	Improvements in and relating to up-draught cowls	3399	21st May, 1901	14th June, 1901	24	2344
Kellogg, J. H. ... ..	Improvement in vegetable food compounds	3381	7th May, 1901	24th May, 1901	21	2014
Koch, H. ... ..	<i>Vide Rand Drill Co.</i> ... ..	3387	8th May, 1901	7th June, 1901	23	2237
Lovell, A. K. ... ..	Lacing hook guards ... ..	3377	3rd May, 1901	24th May, 1901	21	2013
Lugg, S. T. ... ..	Improved appliances for the manufacture of horse-shoes	3410	28th May, 1901	28th June, 1901	26	2543
Maiden, H., and Coutts, J.	Improvements in shear legs ... ..	3411	28th May, 1901	28th June, 1901	26	2543
Martin, A. (assignee of J. L. Schmidt)	Improvements in apparatus for generating gas from carbides, and for cooling and purifying same	3355	4th April, 1901	14th June, 1901	24	2343
Morton, J. S. ... ..	Improvements in pumps ... ..	3276	19th Jan., 1901	15th Feb., 1901	7	724
Mouchel, G. L. ... ..	Improvements in and relating to metal and concrete structures	3378	3rd May, 1901	24th May, 1901	21	2013
Payne, W. ... ..	Improved process or method of extracting copper from the ore	3344	23rd Mar., 1901	14th June, 1901	24	2343
Pullman, C. L. ... ..	Ventilation ... ..	3401	21st May, 1901	21st June, 1901	25	2437
Rand Drill Co. (assignee of H. Koch)	Improvements in rock drills ... ..	3387	8th May, 1901	7th June, 1901	23	2237
Rasmussen, H. P., and Hagerty, W.	Improvements in pneumatic hubs for cycle and other wheels	3400	21st May, 1901	14th June, 1901	24	2344
Reardon, P. H. ... ..	Improvements in engines for rock drills	3396	21st May, 1901	14th June, 1901	24	2343
Reardon, P. H. ... ..	Improvements in attachments for rock drills	3397	21st May, 1901	14th June, 1901	24	2344
Schmidt, J. L. ... ..	<i>Vide Martin, A.</i> ... ..	3355	4th April, 1901	14th June, 1901	24	2343
Shearer, J. and D. ... ..	Improved share and foot-piece for ploughs and other cultivating implements	3083	4th Sept., 1900	24th May, 1901	21	2013

## Index of Subjects of Patents Granted.

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Carbides ... ..	<i>Vide Gas</i> ... ..	3355	4th April, 1901	14th June, 1901	24	2343
Chlorine ... ..	Atkins, G. J. ... ..	3385	8th May, 1901	7th June, 1901	23	2237
Chlorine ... ..	Atkins, G. J. ... ..	3386	8th May, 1901	7th June, 1901	23	2237
Clamping Wires ... ..	<i>Vide Tool</i> ... ..	3394	16th May, 1901	21st June, 1901	25	2437
Concrete Structures ... ..	<i>Vide Metal Structures</i> ... ..	3378	3rd May, 1901	24th May, 1901	21	2013
Copper Extraction ... ..	Payne, W. ... ..	3344	23rd Mar., 1901	14th June, 1901	24	2343
Cowls ... ..	Joseph, A. T. ... ..	3399	21st May, 1901	14th June, 1901	24	2344
Cycles ... ..	Rasmussen, H. P., & Hagerty, W. ... ..	3400	21st May, 1901	14th June, 1901	24	2344
Drills ... ..	<i>Vide Rock Drills</i> ... ..	3387	8th May, 1901	7th June, 1901	23	2237
Drills ... ..	<i>Vide Rock Drills</i> ... ..	3396	21st May, 1901	14th June, 1901	24	2343
Drills ... ..	<i>Vide Rock Drills</i> ... ..	3397	21st May, 1901	14th June, 1901	24	2344
Food Compounds ... ..	Kellogg, J. H. ... ..	3381	7th May, 1901	24th May, 1901	21	2014
Gas ... ..	Martin, A. ... ..	3355	4th April, 1901	14th June, 1901	24	2343
Gong ... ..	Dobson, J. ... ..	3415	4th June, 1901	28th June, 1901	26	2543
Guards ... ..	<i>Vide Lacing Hook Guards</i> ... ..	3377	3rd May, 1901	24th May, 1901	21	2013
Horseshoes ... ..	Lugg, S. P. ... ..	3410	28th May, 1901	28th June, 1901	26	2543
Lacing Hook Guards ... ..	Lovell, A. K. ... ..	3377	3rd May, 1901	24th May, 1901	21	2013
Metal Structures ... ..	Mouchel, G. L. ... ..	3378	3rd May, 1901	24th May, 1901	21	2013
Nail ... ..	Gold, F. ... ..	3094	11th Sept., 1900	21st June, 1901	25	2437
Oils ... ..	Hayes, A. ... ..	3388	8th May, 1901	7th June, 1901	23	2237
Ore ... ..	<i>Vide Copper extraction</i> ... ..	3344	23rd Mar., 1901	14th June, 1901	24	2343
Ploughs ... ..	Shearer, J. and D. ... ..	3083	4th Sept., 1900	24th May, 1901	21	2013
Pumps ... ..	Morton, J. S. ... ..	3276	19th Jan., 1901	15th Feb., 1901	7	724
Rock Drills ... ..	Rand Drill Co. ... ..	3387	8th May, 1901	7th June, 1901	23	2237
Rock Drills ... ..	Reardon, P. H. ... ..	3396	21st May, 1901	14th June, 1901	24	2343
Rock Drills ... ..	Reardon, P. H. ... ..	3397	21st May, 1901	14th June, 1901	24	2344
Shear Legs ... ..	Maiden, H., and Coultts, J. ... ..	3411	28th May, 1901	28th June, 1901	26	2543
Signalling Gong ... ..	<i>Vide Gong</i> ... ..	3415	4th June, 1901	28th June, 1901	26	2543
Tool ... ..	Band, H. F. ... ..	3394	16th May, 1901	21st June, 1901	25	2437
Vaporizing Oils ... ..	<i>Vide Oils</i> ... ..	3388	8th May, 1901	7th June, 1901	23	2237
Ventilator ... ..	Baddeley, R. M. ... ..	3395	21st May, 1901	21st June, 1901	25	2437
Ventilation ... ..	Pullman, C. L. ... ..	3401	21st May, 1901	21st June, 1901	25	2437
Wheels ... ..	<i>Vide Cycles</i> ... ..	3400	21st May, 1901	14th June, 1901	24	2344
White Lead ... ..	Corbett, F. J. ... ..	3392	14th May, 1901	21st June, 1901	25	2437

## Trade Marks.

Patent Office, Trade Marks Branch,  
Perth, 6th September, 1901.

IT is hereby notified that I have received the under-mentioned 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.

In the case of an Application in which have been inserted a statement and disclaimer (or a disclaimer only), a copy of the same is printed in *italics* in connection with the advertisement.

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

Application No. 2211, dated 5th June, 1901.—WEBER LOHMANN & COMPANY, LIMITED, of Bridge Street, Sydney, in the State of New South Wales, to register in Class 12, in respect of Cutlery and Edge Tools, a Trade Mark, of which the following is a representation:—



*The essential particular of the Trade Mark is the device, 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 12th July, 1901—*vide* notice at head of Trade Mark advertisements.

Application No. 2234, dated 4th July, 1901.—J. KITCHEN & SONS & MARSH, LIMITED, Soap and Candle Manufacturers, South Street, Fremantle, to register in Class 47, in respect of Soap of all kinds, Candles, Extract of Soap, Detergents, and Axle Grease, a Trade Mark, of which the following is a representation:—

## DAFFODIL.

This Mark was first advertised in the Western Australian *Government Gazette* of 12th July, 1901—*vide* notice at head of Trade Mark advertisements.

Application No. 2235, dated 5th July, 1901.—J. and R. MORLEY, of 18 Wood Street, London, England, Wholesale Hosiery and Warehousemen, to register in Class 38, in respect of Hosiery, a Trade Mark, of which the following is a representation:—

HERCULES  
EXTRA  
HEELS & TOES  
WARRANTED

*The essential particular of the Trade Mark is the word "Hercules."*

This Mark was first advertised in the Western Australian *Government Gazette* of 12th July, 1901—*vide* notice at head of Trade Mark advertisements.

Application No. 2227, dated 1st July, 1901.—HUGH ROBERT DIXSON, Tobacco Manufacturer, Newman Street, Fremantle, to register in Class 45, in respect of Tobacco, Cigars, and Cigarettes, a Trade Mark, of which the following is a representation:—

## BONANZAS.

This Mark was first advertised in the Western Australian *Government Gazette* of 12th July, 1901—*vide* notice at head of Trade Mark advertisements.

Application No. 2228, dated 2nd July, 1901.—THE FRESH FOOD AND FROZEN STORAGE COMPANY, LIMITED, trading at 628 Bourke Street, Melbourne, in the State of Victoria, as Butter and Produce Merchants, to register in Class 42, in respect of Ham, Bacon, Sausages, and Preserved Meats, a Trade Mark, of which the following is a representation:—

## MIL O.

This Mark was first advertised in the Western Australian *Government Gazette* of 12th July, 1901—*vide* notice at head of Trade Mark advertisements.

Application No. 2233, dated 3rd July, 1901.—ALFRED CHARLES JOHNSTON, Brookman's Chambers, Barrack Street, Perth, Western Australia, Accountant, 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 combination of devices and the word "Banksia."*

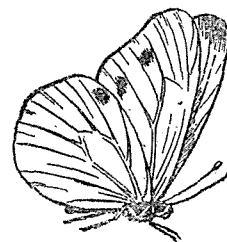
This Mark was first advertised in the Western Australian *Government Gazette* of 19th July, 1901—*vide* notice at head of Trade Mark advertisements.

Application No. 2237, dated 9th July, 1901.—N. GUTHRIDGE, LIMITED, of No. 486 Collins Street, Melbourne, in the State of Victoria, Australia, Merchants, to register in Class 20, in respect of Fuse and all other goods in such class, a Trade Mark, of which the following is a representation:—

## YANKEE.

This Mark was first advertised in the Western Australian *Government Gazette* of 19th July, 1901—*vide* notice at head of Trade Mark advertisements.

Application No. 2137, dated 18th March, 1901.—HERBERT NORMAN BROCK, of 16-30 Provost Street, City Road, London, England, Manufacturer, to register in Class 38, in respect of Ladies' Wearing Apparel, a Trade Mark, of which the following is a representation:—



This Mark was first advertised in the Western Australian *Government Gazette* of 26th July, 1901—*vide* notice at head of Trade Mark advertisements.

Application No. 2168, dated 25th April, 1901.—WILLIAM CHARLES GREENSLADE, Wholesale Tobacconist, Kalgoorlie,

Western Australia, to register in Class 45, in respect of Tobacco, whether manufactured or unmanufactured, a Trade Mark, of which the following is a representation:—

## VIRGINIANS.

*No claim is made to the exclusive use of the word "Virginia."*

This Mark was first advertised in the Western Australian Government Gazette of the 26th July, 1901—*vide* notice at head of Trade Mark advertisements.

Application No. 1931, dated 7th June, 1900.—WILLIAM BERRY, of Diamond Oil Blacking Works, Rochdale Road, Manchester, England, Blacking Manufacturer, to register in Class 50, s.s. 6, in respect of Blacking and Boot Polish, a Trade Mark, of which the following is a representation:—

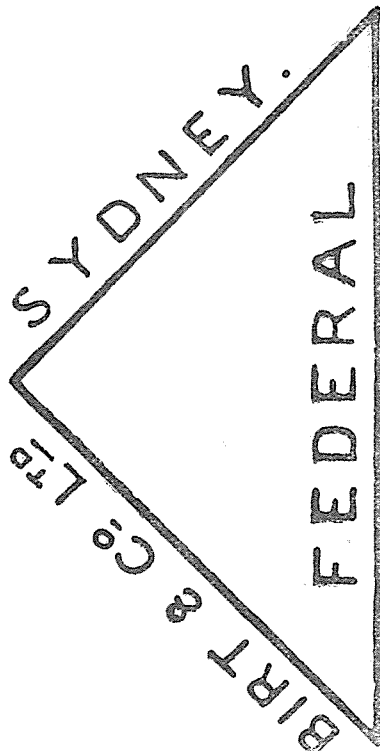
## W.BERRY'S DIAMOND



*The essential particular of this Trade Mark consists of the word "Diamond," and I disclaim any right to the exclusive use of the added matter, except in so far as it consists of my name.*

This Mark was first advertised in the Western Australian Government Gazette of 9th August, 1901—*vide* notice at head of Trade Mark advertisements.

Applications Nos. 2230-1-2, dated 2nd July, 1901.—BIRT & COMPANY, LIMITED, of 7 Macquarie Place, Sydney, in the State of New South Wales, Merchants. Application No. 2230 to register in Class 4, in respect of Wool and Tallow; Application No. 2231, to register in Class 37, in respect of Hides and Skins; and Application No. 2232, to register in Class 42, to register in respect of Fresh, Frozen, and Chilled Meats and Butter, a Trade Mark, of which the following is a representation:—



*The essential particular of this Trade Mark consists of the word "Federal," and applicant Company disclaims any right to the exclusive use of the added matter, except in so far as it consists of its own name and address.*

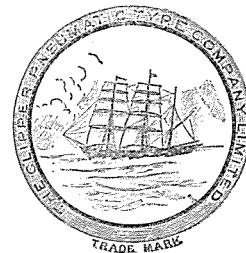
This Mark was first advertised in the Western Australian Government Gazette of the 9th August, 1901—*vide* notice at head of Trade Mark advertisements.

Application No. 2241, dated 27th July, 1901.—STAPLEY AND SMITH, of 128 London Wall, London E.C., Manufacturers of Ladies' and Children's Clothing and Undergarments, to register in Class 38, in respect of Articles of Clothing, a Trade Mark, of which the following is a representation:—



This Mark was first advertised in the Western Australian Government Gazette of 9th August, 1901—*vide* notice at head of Trade Mark advertisements.

Application No. 2242, dated 27th July, 1901.—THE CLIPPER PNEUMATIC TYRE COMPANY, LIMITED, of Lichfield Street, Aston Cross, Birmingham, England, Manufacturers, to register in Class 40, in respect of India rubber Tyres for Cycles and for other Vehicles, a Trade Mark, of which the following is a representation:—



*The essential particulars of the Trade Mark are the representation of a clipper ship at sea, combined with the representation of a pneumatic tyre and the name of the Applicants.*

This Mark was first advertised in the Western Australian Government Gazette of 9th August, 1901—*vide* notice at head of Trade Mark advertisements.

Application No. 2243 and 2244, dated 27th July, 1901.—WILLIAM GOSSAGE & SONS, LIMITED, of Widnes, Lancashire, England, Soap Manufacturers. Application No. 2243, 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. 2244, 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:—

## PAYMASTER

This Mark was first advertised in the Western Australian Government Gazette of 9th August, 1901—*vide* notice at head of Trade Mark advertisements.

Application No. 2248, dated 2nd August, 1901.—ARTHUR WILLIAM BERRYMAN, of 189 Murray Street, Perth, Western Australia, Boot Manufacturer, to register in Class 38, in respect of Boots and Shoes, a Trade Mark, of which the following is a representation :—

## KANGOWALLA.

This Mark was first advertised in the Western Australian *Government Gazette* of 16th August, 1901—*vide* notice at head of Trade Mark advertisements.

Application No. 2250, dated 5th August, 1901.—The persons trading together under the name and style of "Marshall & Co.," of Degraeves Building, Degraeves Street, Melbourne, in the State of Victoria, Commonwealth of Australia, Boot and Shoe Manufacturers and Importers, to

register in Class 38, in respect of Boots and Shoes, a Trade Mark, of which the following is a representation :—



This Mark was first advertised in the Western Australian *Government Gazette* of 16th August, 1901—*vide* notice at head of Trade Mark advertisements.

Application No. 2253, dated 5th August, 1901.—CALIFORNIA FIG SYRUP Co., 398 Church Street, San Francisco, California, U.S.A., 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 :—

## CALIFIG

This Mark was first advertised in the Western Australian *Government Gazette* of 16th August, 1901—*vide* notice at head of Trade Mark advertisements.

Application Nos. 2148 and 2149, dated 28th March, 1901.—THE WEST AUSTRALIAN APOTHECARIES COMPANY, LIMITED, of Perth, Western Australia. Application No. 2148, to register in Class 48 in respect of Washes and Preparations for the hair; and Application No. 2149, 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 :—

**THE ARABIAN**

# HAIR RENEWER

For Restoring Grey Hair to its Natural Color without dyeing it, and renewing or Causing the Hair  
to grow on Bald Spots.

It Removes Dandruff, and Prevents the Hair Falling Out—rendering it Beautifully Soft, Glossy, and Luxuriant.

It will not dye  
the skin  
or stain linen.



It will not dye  
the skin  
or stain linen.

**Directions for Use.**—Hold the bottle cork downwards and shake well; pour a little into a saucer, and apply it briskly with a small piece of sponge to the bald spots; wet all the grey hairs thoroughly, rubbing well in at the roots, every morning for a few weeks—after which an occasional application only is required.

PREPARED BY THE  
**West Australian Apothecaries Co.,**  
PERTH AND KALGOORLIE.

The above Mark has been used by the applicant Company and its predecessors in business, in respect of the goods mentioned, since before 1885.

This Mark was first advertised in the Western Australian *Government Gazette* of 23rd August, 1901—*vide* notice at head of Trade Mark advertisements.

Application No. 2247, dated 2nd August, 1901.—ENGELBERT & Co., of Murray Street, Perth, Western Australia, to register in Class 45, in respect of Tobacco, Cigars and Cigarettes, a Trade Mark, of which the following is a representation :—

## CROWN.

This Mark was first advertised in the Western Australian Government Gazette of 23rd August, 1901—*vide* notice at head of Trade Mark advertisements.

Application No. 2254, dated 9th August, 1901.—SALMON & GLUCKSTEIN, LIMITED, Merchants, Clarence Works, St. Luke's, London, E.C., to register in Class 45, in respect of Tobacco, manufactured or unmanufactured, a Trade Mark, of which the following is a representation :—



## WINGED WHEEL.

This Mark was first advertised in the Western Australian Government Gazette of 23rd August, 1901—*vide* notice at head of Trade Mark advertisements.

Application No. 2255, dated 13th August, 1901.—ESTHER ABRAHAMS, of Elizabeth Street, Melbourne, Victoria, Cycle Agent, to register in Class 50, s.s. 10, in respect of goods not included in other classes, a Trade Mark, of which the following is a representation :—



The essential particular of the above Mark consists of 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 23rd August, 1901—*vide* notice at head of Trade Mark advertisements.

Application No. 2110, dated 30th January, 1901.—HAVANA COMMERCIAL COMPANY, of 102 Galiano Street, Havana, in the Isle of Cuba, and of 135 Broadway, New York, in the United States of America, Cigar Manufac-

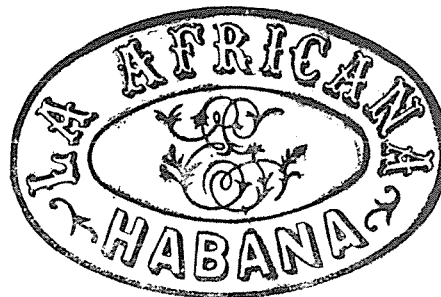
turers, to register in Class 45, in respect of Cigars and Cognate Substances and Articles, a Trade Mark, of which the following is a representation :—



The above Trade Mark has been used by the applicant Company and its predecessors in business in respect of the articles mentioned prior to the 1st day of January, 1885.

This Mark was first advertised in the Western Australian Government Gazette of 30th August, 1901—*vide* notice at head of Trade Mark advertisements.

Application No. 2111, dated 30th January, 1901.—HAVANA COMMERCIAL COMPANY, of 102 Galiano Street, Havana, in the Isle of Cuba, and of 135 Broadway, New York, in the United States of America, Cigar Manufacturers, to register in Class 45, in respect of Cigars and Cognate Substances and Articles, a Trade Mark, of which the following is a representation :—



The above Trade Mark has been used by the applicant Company and its predecessors in business in respect of the articles mentioned prior to the 1st day of January, 1885.

This Mark was first advertised in the Western Australian Government Gazette of the 30th August, 1901—*vide* notice at head of Trade Mark advertisements.

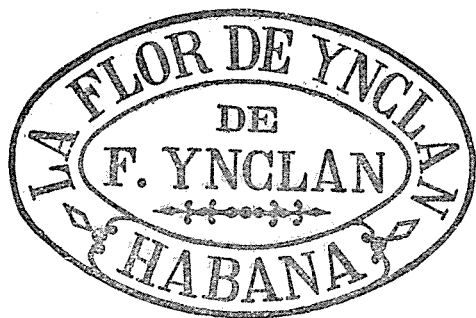
Application No. 2112, dated 30th January, 1901.—HAVANA COMMERCIAL COMPANY, of 102 Galiano Street, Havana, in the Isle of Cuba, and of 135 Broadway, New York, in the United States of America, Cigar Manufacturers, to register in Class 45, in respect of Cigars and Cognate Substances and Articles, a Trade Mark, of which the following is a representation :—



The above Trade Mark has been used by the applicant Company and its predecessors in business in respect of the articles mentioned prior to the 1st day of January, 1885.

This Mark was first advertised in the Western Australian Government Gazette of 30th August, 1901, *vide* notice at head of Trade Mark advertisements.

Application No. 2113, dated 30th January, 1901.—HAVANA COMMERCIAL COMPANY, of 102 Galiano Street, Havana, in the Isle of Cuba, and of 135 Broadway, New York, in the United States of America, Cigar Manufacturers, to register in Class 45, in respect of Cigars and Cognate Substances and Articles, a Trade Mark, of which the following is a representation :—



The above Trade Mark has been used by the applicant Company and its predecessors in business in respect of the articles mentioned prior to the 1st day of January, 1885.

This Mark was first advertised in the Western Australian Government Gazette of 30th August, 1900—*vide* notice at head of Trade Mark advertisements.

Application No. 2114, dated 30th January, 1901.—HAVANA COMMERCIAL COMPANY, of 102 Galiano Street, Havana, in the Isle of Cuba, and of 135 Broadway, New York, in the United States of America, Cigar Manufacturers, to register in Class 45, in respect of Cigars and Cognate Substances and Articles, a Trade Mark, of which the following is a representation :—



The above Trade Mark has been used by the applicant Company and its predecessors in business in respect of the articles mentioned prior to the 1st day of January, 1885.

This Mark was first advertised in the Western Australian Government Gazette of 30th August, 1901—*vide* notice at head of Trade Marks advertisements.

Application No. 2116, dated 30th January, 1901.—HAVANA COMMERCIAL COMPANY, of 102 Galiano Street, Havana, in the Isle of Cuba, and of 135 Broadway, New York, in the United States of America, Cigar Manufacturers, to register in Class 45, in respect of Cigars and Cognate Substances and Articles, a Trade Mark, of which the following is a representation :—



The above Trade Mark has been used by the applicant Company and its predecessors in business, in respect of the articles mentioned, prior to the 1st day of January, 1885.

This Mark was first advertised in the Western Australian Government Gazette of 30th August, 1901—*vide* notice at head of Trade Mark advertisements.

Application No. 2117, dated 30th January, 1901.—HAVANA COMMERCIAL COMPANY, of 102 Galiano Street, Havana, in the Isle of Cuba, and of 135 Broadway, New York, in the United States of America, Cigar Manufacturers, to register in Class 45, in respect of Cigars and Cognate Substances and Articles, a Trade Mark, of which the following is a representation :—



The above Trade Mark has been used by the applicant Company and its predecessors in business in respect of the articles mentioned prior to the 1st day of January, 1885.

This Mark was first advertised in the Western Australian Government Gazette of the 30th August, 1901—*vide* notice at head of Trade Mark advertisements.

Application No. 2118, dated 30th January, 1901.—HAVANA COMMERCIAL COMPANY, of 102 Galiano Street, Havana, in the Isle of Cuba, and of 135 Broadway, New York, in the United States of America, Cigar Manufacturers, to register in Class 45, in respect of Cigars and Cognate Substances and Articles, a Trade Mark, of which the following is a representation :—



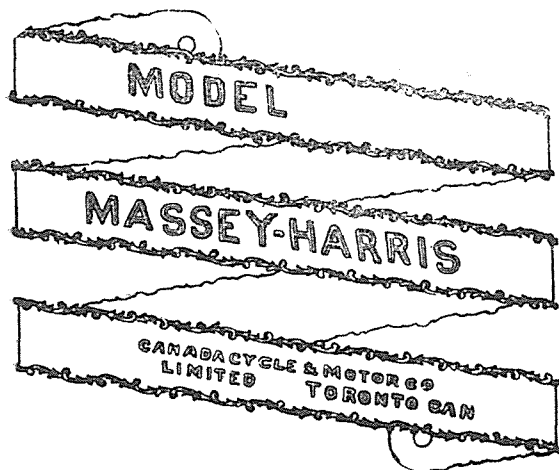
The above Trade Mark has been used by the applicant Company and its predecessors in business in respect of the articles mentioned prior to the first day of January, 1885.

This Mark was first advertised in the Western Australian Government Gazette of 30th August, 1901—*vide* notice at head of Trade Mark advertisements.

Application No. 2216, dated 17th June, 1901.—CANADA CYCLE AND MOTOR COMPANY, LIMITED, of Hay Street



Perth, Western Australia, to register in Class 22, in respect of Bicycles, a Trade Mark, of which the following is a representation:—



The essential part'cular of the above Mark consists of the scroll device, and the applicant Company disclaims any right to the exclusive use of the added matter, save and except the name "Massey-Harris," and its trading name and address.

This Mark was first advertised in the Western Australian Government Gazette of 30th August, 1901—vide notice at head of Trade Mark advertisements.

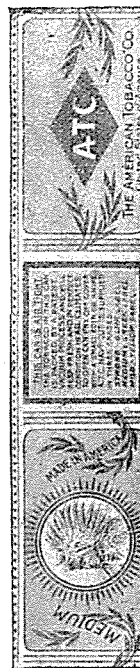
Application No. 2217, dated 17th June, 1901.—CANADA CYCLE AND MOTOR COMPANY, LIMITED, of Hay Street, Perth, Western Australia, to register in Class 22, in respect of Bicycles, a Trade Mark, of which the following is a representation:—



The essential particulars of the above Mark consist of the device and the words "Red Bird," and the applicant Company disclaims any right to the exclusive use of the added matter, save and except its trading name and address.

This Mark was first advertised in the Western Australian Government Gazette of 30th August, 1901—vide notice at head of Trade Mark advertisements.

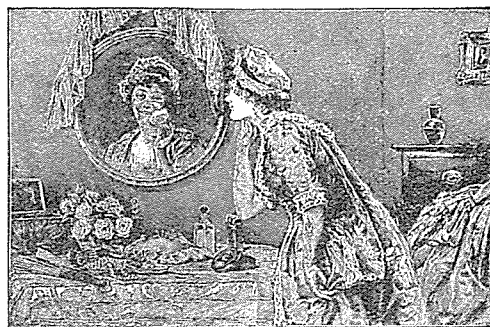
Application No. 2261, dated 19th August, 1901.—The AMERICAN TOBACCO COMPANY, of No. 111 Fifth Avenue, in the City of New York, State of New York, one of the United States of America, to register, in Class 45, in respect of Tobacco, Cigarettes, and Cigars, a Trade Mark, of which the following is a representation:—



The essential particular of the Trade Mark is the distinctive label.

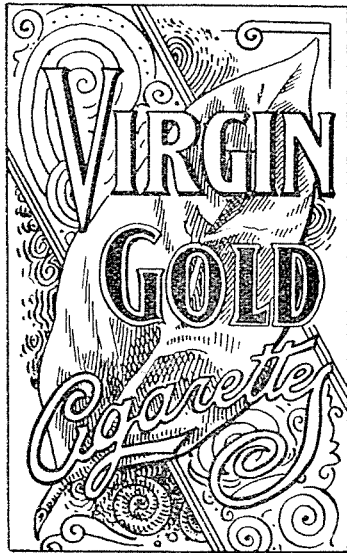
This Mark was first advertised in the Western Australian Government Gazette of 30th August, 1901—vide notice at head of Trade Mark advertisements.

Application No. 2262, dated 19th August, 1901.—A. & F. PEARS, Limited, of No. 71 to 75 New Oxford Street, London, W.C., England, and at Isleworth, in Middlesex, in England aforesaid, Soapmakers and Perfumers, 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:—



This Mark was first advertised in the Western Australian Government Gazette of 30th August, 1901—vide notice at head of Trade Mark advertisements.

Application No. 2226, dated 28th June, 1901.—HUGH ROBERT DIXSON, trading as "Robert Dixson & Co.," of Fremantle, West Australia, to register in Class 45, in respect of Tobacco, Cigars, and Cigarettes, a Trade Mark, of which the following is a representation :—



The essential particulars of the above Trade Mark consist of the combination of devices, and the words "Virgin Gold."

This Mark was first advertised in the Western Australian *Government Gazette* of 6th September, 1901—*vide* notice at head of Trade Mark advertisements.

Application No. 2264, dated 19th August, 1901.—HUGH ROBERT DIXSON, trading as "Robert Dixson & Co.," of Fremantle, West Australia, to register in Class 45, in respect of Tobacco, Cigars, and Cigarettes, a Trade Mark, of which the following is a representation :—

## VIRGIN GOLD.

This Mark was first advertised in the Western Australian *Government Gazette* of the 6th September, 1901—*vide* notice at head of Trade Mark advertisements.

Application No. 2265, dated 20th August, 1901.—THE STANDARD PAINT COMPANY, of 100 William Street, New York, United States of America, to register in Class 1, in respect of Insulating Paints, and Compounds and Fabrics impregnated therewith, a Trade Mark, of which the following is a representation :—

## RUBERINE.

This Mark was first advertised in the Western Australian *Government Gazette* of the 6th September, 1901—*vide* notice at head of Trade Mark advertisements.

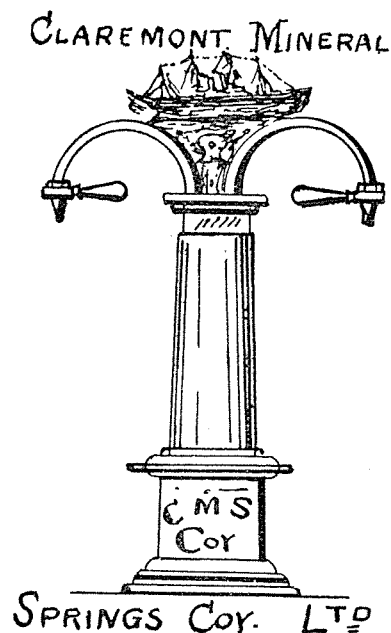
Application No. 2266, dated 20th August, 1901.—THE STANDARD PAINT COMPANY, of 100 William Street, New York, United States of America, to register in Class 17, in

respect of Waterproof Compositions and Fabrics useful for wall and roof coverings, damp-courses, floors and linings of buildings, a Trade Mark, of which the following is a representation :—

## RUBEROID.

This Mark was first advertised in the Western Australian *Government Gazette* of 6th September, 1901—*vide* notice at head of Trade Mark advertisements.

Applications Nos. 2268 and 2269, dated 28th August, 1901.—THE CLAREMONT MINERAL SPRINGS COMPANY, LIMITED, of Claremont, Western Australia. Application No. 2268 to register in Class 15 in respect of Glass Bottles; Application No. 2269 to register in Class 44 in respect of Mineral and Aerated Waters, natural and artificial, including Ginger Beer, a Trade Mark, of which the following is a representation :—



This Mark was first advertised in the Western Australian *Government Gazette* of 6th September, 1901—*vide* notice at head of Trade Mark advertisements.

Application No. 2270, dated 28th August, 1901.—D. & J. FOWLER, LIMITED, of No. 6, East India Avenue, London, England, to register in Class 42, in respect of Tea, Coffee, and all substances used as food and as ingredients in food, a Trade Mark, of which the following is a representation :—

## KURRAJONG.

This Mark was first advertised in the Western Australian *Government Gazette* of 6th September, 1901—*vide* notice at head of Trade Mark advertisements.

## Alphabetical List of Registrants of Trade Marks.

AUGUST 17TH—31ST.

Name.	Goods.	Class.	No.	Date.	Gazette.		
					No.	Date.	Page.
Brooks, H., & Co. ... ..	Gold leaf, silver leaf, aluminium leaf, and yellow metal leaf	5	2193	21st May, 1901	25	21st June, 1901	2450
Crowder, F. T. ... ..	<i>Vide</i> Guildford Bee Company ... ..	42	2165	22nd April, 1901	21	24th May, 1901	2026
Falk, J. I., & Company ... ..	Doors and shelving ... ..	50	2210	5th June, 1901	24	14th June, 1901	2360
Guildford Bee Company (F. T. Crowder & C. Jecks, trading as)	Food substances ... ..	42	2165	22nd April, 1901	21	24th May, 1901	2026
Guthrie & Co. ... ..	Pineapple ... ..	42	2175	9th May, 1901	24	14th June, 1901	2358
Harper, R., & Company Proprietary, Limited	Food substances ... ..	42	1997	28th Aug., 1900	25	21st June, 1901	2449
Helidon Spa Water Company, Limited	Mineral and aerated waters, natural and artificial, including ginger beer	44	2176	14th May, 1901	25	21st June, 1901	2449
Jecks, C. ... ..	<i>Vide</i> Guildford Bee Company ... ..	42	2165	22nd April, 1901	21	24th May, 1901	2026
Little, A. E., & Company	Boots and shoes ... ..	38	2212	11th June, 1901	25	21st June, 1901	2450
Ogden's, Limited ... ..	Cigars, cigarettes, and tobacco ... ..	45	2018	11th Sept., 1900	25	21st June, 1901	2449
Somerville, W. ... ..	Blue for laundry purposes ... ..	47	2214	12th June, 1901	25	21st June, 1901	2450

## Index of Goods for which Trade Marks have been Registered.

AUGUST 17TH—31ST.

Goods.	Name.	No.	Date.	Class.	Gazette.		
					No.	Date.	Page.
Aluminium Leaf ... ..	<i>Vide</i> Gold Leaf ... ..	2193	21st May, 1901	5	25	21st June, 1901	2450
Blue (for laundry purposes)	W. Somerville ... ..	2214	12th June, 1901	47	25	21st June, 1901	2450
Boots ... ..	A. E. Little & Co. ... ..	2212	11th June, 1901	38	25	21st June, 1901	2450
Cigarettes ... ..	<i>Vide</i> Cigars ... ..	2018	11th Sept., 1900	45	25	21st June, 1901	2449
Cigars ... ..	Ogden's, Ltd. ... ..	2018	11th Sept., 1900	45	25	21st June, 1901	2449
Doors ... ..	J. I. Falk & Co. ... ..	2210	5th June, 1901	50	24	14th June, 1901	2360
Food Substances ... ..	Guildford Bee Company (F. T. Crowder and C. Jecks, trading as)	2165	22nd Apl., 1901	42	21	24th May, 1901	2026
Food Substances ... ..	Robert Harper & Company Proprietary, Limited	1997	28th Aug., 1900	42	25	21st June, 1901	2449
Gold Leaf ... ..	H. Brooks & Co. ... ..	2193	21st May, 1901	5	25	21st June, 1901	2450
Pineapple ... ..	Guthrie & Co. ... ..	2175	9th May, 1901	42	24	14th June, 1901	2358
Shelving ... ..	<i>Vide</i> Doors ... ..	2210	5th June, 1901	50	24	14th June, 1901	2360
Shoes ... ..	<i>Vide</i> Boots ... ..	2212	11th June, 1901	38	25	21st June, 1901	2450
Silver Leaf ... ..	<i>Vide</i> Gold Leaf ... ..	2193	21st May, 1901	5	25	21st June, 1901	2450
Tobacco ... ..	<i>Vide</i> Cigars ... ..	2018	11th Sept., 1900	25	25	21st June, 1901	2449
Waters (Mineral and Aerated, Natural and Artificial)	Helidon Spa Water Company, Limited	2176	14th May, 1901	44	25	21st June, 1901	2449
Yellow Metal Leaf ... ..	<i>Vide</i> Gold Leaf ... ..	2193	21st May, 1901	5	25	21st June, 1901	2450