# Supplement to Government Gazette

OF

# WESTERN AUSTRALIA.

[Published by Authority.]

No. 23. P.O. No. 16. PERTH: FRIDAY, APRIL 17. [1903.


CONTENTS:


| Subject. | Page |
|---|---|
| Complete Specifications accepted ... ... ... | 907 |
| Renewal Fees paid, Patents ... ... ... ... | 910 |
| Amendments made, Patents ... ... ... ... | 910 |
| Applications Abandoned, Patents ... ... ... | 910 |
| Applications for Patents ... ... ... ... ... | 910 |
| Provisional Specifications accepted ... ... ... | 911 |
| Alphabetical list of Applicants for Patents ... ... | 911 |
| Alphabetical list of Inventions for which Patents have been applied for ... ... ... ... | 912 |
| Alphabetical list of Patentees ... ... ... ... | 912 |
| Alphabetical list of Inventions for which Patents have been granted ... ... ... ... ... | 913 |
| List of Trade Mark Applications refused ... ... | 913 |
| Alphabetical list of Registrants of Trade Marks ... | 914 |
| Alphabetical list of Goods for which Trade Marks have been registered ... ... ... ... ... | 914 |


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

## Complete Specifications.

*Patent Office, Perth,*
*17th April, 1903.*

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 such applications must leave particulars, in writing, in duplicate (on Form D), of his or their objections thereto, within two calendar months from the date of this *Gazette*. A fee of Ten shillings (10s.) is payable with such notice.

Application No. 3909.—ARCHIBALD JOHN BULLOCH, of 31 Post Office Chambers, 114A Pitt Street, Sydney, in the State of New South Wales, Agent, "*An improvement in the art of Sealing, Corking, and Capsuling Bottles.*"—Dated 17th June, 1902.

*Claims:*—

A method as hereinbefore described of sealing bottles which consists in surmounting a bottle head having an annular locking shoulder with a corrugated flanged metal sealing cap indented on top so as to partially insert the centre part of the cork or other packing disc within the opening on the neck of the bottle, and then bending or indenting the inner corrugations of the said cap into locking contact with the engaging shoulder on the bottle head by any suitable machine thereby assuring a more perfect sealing of the contents thereof.

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

Application No. 3911.—MIHKEL OTTENSON, of Canterbury Street, St. Arnaud, Victoria, Cabinetmaker, and PATRICK FRANCIS DWYER, Napier Street, St. Arnaud, aforesaid, Licensed Victualler, "*Apparatus for playing a novel Table Game.*"—Dated 27th June, 1902.

*Claims:*—

1. Apparatus for playing a novel table-game consisting of a smooth surfaced table divided by comparatively low partitions into a number of compartments having passages therein, said table having a starting platform at one end upon which is mounted a pair of rollers against which the body of a round top bears whilst the cord is being drawn, said cord passing under a guide pulley, substantially as described and illustrated.

2. In apparatus for playing a novel table-game a top having a round body adapted to bear against a pair of vertical rollers, and also having a fluted spindle substantially as described and illustrated.

Specification, 4s. Drawings on application.

Application No. 3918.—JOHN DOUGLAS KELLY, DAVID PERCIVAL FISHER, and NEOL VIVIAN GIBSON WIX, of Queen's Chambers, Wellington, New Zealand, Engineers, "*An improved method of and means for Ventilating Halls, Theatres, and other places of public resort.*"—Dated 1st July, 1902.

*Claims:*—

1. The improved method of ventilating halls, theatres and other places of public resort consisting in introducing into such buildings a large number of separate currents of cool or warm and perfumed air under compression and releasing such currents at will at any desired points, as specified.

2. In means for ventilating buildings, an air pipe leading into the building and provided with any number of branches with exit nozzles thereon, means whereby air may be compressed and forced through such pipes and branches and means whereby the air in its passage may be cooled or warmed and perfumed as herein set forth.

3. In means for ventilating buildings, an air compressor or pump that is in communication with the outside atmosphere, exit pipes from such compressor leading to an airometer or other receptacle, a main pipe leading from such airometer or receptacle into the building and a number of branch pipes leading from the main pipe and provided with suitable exit nozzles, as herein specified.

4. In means for ventilating buildings, an air pipe leading from a compressor into the building and provided with branches therein to which are connected vertical branches secured to the seats in the building, such vertical pipes being provided with exit nozzles formed with a horizontal and a downwardly vertical opening and with means for closing the horizontal opening, as herein specified.

5. In means for ventilating buildings, an air pipe leading from the compressor into the building and provided with branches therein to which are connected vertical branches formed with exit nozzles thereon, in combination with an airometer, provided with an internal water coil, interposed in the air pipe between the compressor and the branches, as herein specified,

6. In means for ventilating buildings, an air pipe leading from a compressor into the building and provided with branches therein to which are connected vertical branches formed with exit nozzles thereon, in combination with means for heating the air interposed between the compressor and the branches, such means consisting of a cylindrical vessel formed with chambers at each end, with pipes connecting the chambers, and with a heating space beneath the pipes, as herein specified.

7. In means for ventilating buildings, an air pipe leading from a compressor into the building and provided with branches therein to which are connected vertical branches formed with exit nozzles thereon, in combination with an enlargement formed in the main pipe, a cap or receptacle placed therein with a feeding tube leading thereto from outside the pipe, a cap or cover adapted to seal and unseal the receptacle, and a hand screw, or the like, outside the pipe for operating such cap or cover, as herein specified.

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

Application No. 3957.—WALTER WATTS, of Midland Junction, Western Australia, Blacksmith, Government Railways, "*Pivot Blade Joint for Railway Crossings.*"—Dated 18th July, 1902.

*Claims:*—

1. A railway blade joint as *c* having at its butt end a trunnion or axis or pivot formation as *d* by or on which it radiates, substantially as and for the purposes herein set forth and as illustrated in the attached drawings.

2. A distance or heel block as *g* formed with a semi-circular companion recess bearing as *e* for receiving the trunnion of the blade joint as above set forth and claimed and said block being formed with a tail or extension piece as *j* for securing such heel block to the rail as *b*, substantially as and for the purposes herein set forth and as illustrated in the attached drawings.

3. A rail plate as *h* formed with a semi-circular companion recess bearing as *f* for receiving the trunnion of the blade joint as above set forth and claimed and said plate *a* being formed with a tail or extension piece as *k* for securing it to the rail as *b* substantially as and for the purposes herein set forth and as illustrated in the attached drawings.

4. A railway blade joint as *c* having at its butt end a trunnion formation as *d* and working radially in companion recesses or bearings as *e* and *f* formed respectively in the heel block *g* and rail plate *h*, substantially as and for the purposes herein set forth and as illustrated in the attached drawings.

5. A railway blade joint as *c* in operative combination with a heel block as *g* and a rail plate as *h* and secured to a chair or foundation plate as *a* and in conjunction with the rails *a* and *b* respectively, substantially as and for the purposes herein set forth and as illustrated in the attached drawings.

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

Application No. 4323.—WILLIAM ESTY, of 59 Mill Street, in the City of Laconia, County of Belknap, State of New Hampshire, United States of America, Manufacturer, "*Improvements in Automatic Sprinklers.*"—Dated 13th March, 1903.

*Claims*:—

1. An automatic sprinkler having, in combination, a frame, a valve seat, a valve separable from the frame, a spring so joined to the valve that when the spring moves away from the valve seat the valve moves with it, and fusible means which operates to hold the valve in place and to maintain the spring under tension, the valve being unattached to the frame when the fusible means has been disintegrated by heat.
2. An automatic sprinkler having, in combination, a frame, a valve seat, a valve separable from the frame, a spring so joined thereto that when the spring moves away from the valve seat the valve moves with it, and fusible means which operates upon said valve through said spring to hold the valve in place, whereby, when the strut gives way, the action of the spring tends to open the valve, and the valve thereupon becomes detached and separated from the frame.
3. An automatic sprinkler having, in combination, a frame, a valve seat, a separable valve, a spring operatively connected with the valve, so that when the spring moves away from the valve seat the valve moves with it, a strut support movable on the frame toward said valve, a separable strut interposed between said support and spring and means for limiting the movement of said support toward said valve, whereby the spring is put under tension and overstraining of the strut is prevented.
4. An automatic sprinkler having, in combination, a frame, a valve seat, a separate valve, a spring operatively connected with the valve, so that when the spring moves from the valve seat the valve moves with it, a separate strut, and a support carried by said frame for said strut, said strut being interposed between said support and said spring, and means for preventing lateral displacement of the strut at both ends.
5. An automatic sprinkler having, in combination, a frame, a valve seat, a separable valve, a spring operatively connected with said valve so that when the spring moves away from the valve seat the valve moves with it, a support carried by said frame, and a separable strut the parts of which are united by fusible alloy, said strut being interposed between said support and said spring so as to put said spring under tension and to keep the valve closed, whereby, when the strut gives way on a rise of temperature, the action of the spring tends to open the valve, and the strut, spring and valve thereupon become detached and separated from the frame.
6. An automatic sprinkler having, in combination, a frame, a valve, a spring operatively connected therewith, and two struts which act upon opposite ends of said spring to maintain the spring under tension and hold the valve in place, whereby, when said struts give way, the spring reacts and jerks the valve from its seat.
7. An automatic sprinkler having, in combination, a frame, a separable valve, a spring operatively connected with said valve and extending in opposite directions from the centre thereof, a strut support connected to said frame, and two separable struts interposed between said support and said spring at opposite ends of said spring, each of said struts being composed of a plurality of members united by fusible alloy.
8. An automatic sprinkler having a distributor provided with outwardly extending and separated projections with open-mouthed spaces between them, said spaces flaring from the water-receiving to the water-discharging faces of said distributor.
9. A releasing device for an automatic sprinkler composed of a body member having a slot, and a second member having a tongue entering said slot, said members when nested together being secured together by fusible solder.
10. A releasing device for an automatic sprinkler composed of a body member and a lever member jointed together, the body member having a slot, and the lever member having a tongue entering said slot, said members when nested together being united together by fusible solder.
11. A releasing device for an automatic sprinkler composed of a body member, a lever member, and a multiplying lever, the body member and lever member being jointed together, the body member having a slot, the lever member having a tongue entering said slot and a groove on one side, and the multiplying lever having a shank fitting said groove and a finger extending through the space between the free end of the finger of the lever member and the adjacent margin of the slot of the body member, said finger also bearing upon the body member, said several parts being united by fusible solder.
12. The automatic sprinkler for fire extinguishing apparatus substantially as hereinbefore described with reference to the accompanying drawings.

Specification, 14s. Drawings on application.

Application No. 4325.—KENNETH BOYD, of Auckland, New Zealand, Sail Maker, "*An improved Fire Escape*," —Dated 17th March, 1903.

*Claim*:—

An appliance for escaping from burning buildings and the like, the same consisting of a chute composed of a number of sections of canvas or the like material jointed together in such a manner that when the chute is suspended each section shall form an obtuse angle with the next as herein specified.

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

Application No. 4327.—THOMAS ROOKE, of Enmore Road, Newtown, Engineer, and JOHN THRUSH, of Silver Hill, New Canterbury Road, Dulwich Hill, Miner, and THOMAS FRANCIS WADE EARLY, of 171 Stanmore Road, Petersham, Commercial Traveller, all in the State of New South Wales, Commonwealth of Australia, "*Garbage Destructor.*"—Dated 17th March, 1903.

*Claims*:—

1. In garbage destructors, a fire space, above which is a roasting plate, that is overlaid, at a short distance above it, by a grating which forms the bottom of the garbage chamber, the space between the roasting plate and the grate above it being in communication with the fire space, so that the products of combustion from the fuel can enter such space, as herein set forth.
2. In garbage destructors, a fire space, air passages giving direct communication between the fire space and the external atmosphere, a roasting plate above the fire space, flues or passages for allowing the products of combustion from the fuel in the fire space to directly enter the space above the roasting plate, and a grating a short distance above the roasting plate, as herein set forth.
3. In garbage destructors, a fire space, a roasting plate above the fire space, a grating a little distance above the roasting plate, passages for conveying the products of combustion from the fire space to the space above the roasting plate, an air chamber behind the fire space, such chamber being in open communication with the external atmosphere, passages or flues for allowing the products of combustion from the fire space to enter the air chamber and flues or passages from the air chamber to the space between the roasting plate and the overlying grating, and flues or passages from the air chamber to the garbage chamber or cell above the grating, as herein specified.
4. In garbage destructors, a fire space, a roasting plate above the fire space, a grating a short distance above the roasting plate, a garbage chamber or cell above the grating, a garbage hopper above the garbage chamber or cell, the bottom of such hopper being closed by doors, which may be worked automatically or otherwise, an air chamber behind the fire space, such air chamber being in communication, by flues or passages, with the fire space, and also with the space above the roasting plate, and with the space, or garbage cell, above the grating, as set forth.
5. In garbage destructors, a fire space, a roasting plate above the fire space, a grating above the roasting plate, a garbage cell above the grating, an air space behind the fire space, suitable flues or passages for conveying the products of combustion to the air chamber and from thence to the garbage spaces, a rectangular flue between the garbage cell and the hopper, such flue being in communication on one side with the garbage cell and on the other with an uptake flue, as herein specified.
6. The general arrangement, construction and combination of parts in the garbage destructor as herein set forth, and for the purposes specified.

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

Application No. 4332.—EDWIN MARSHALL, Secretary of H. Marshall & Company, Limited, 5 Regent Street, London, S.W., "*Improvements in Stoppering Bottles.*"—Dated 19th March, 1903.

*Claim*:—

In means for stoppering bottles in combination, a flat ring carrying a cork or stopper, said ring being pivotally attached to the bottle, a projection or lip on said ring, a cam-like pivoted clip engaging on said projection or lip and securing ring in position, substantially as described and illustrated herein and for the purpose set forth.

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

Application No. 4338.—THOMAS MCLEAN PARK, of Darrington, County of Shohomish, State of Washington, United States of America, Mining Engineer, "*Automatic Loading Device.*"—Dated 25th March, 1903.

*Claims*:—

1. The combination in a loading apparatus of a tiltable frame, a support therefor, sprocket wheels turnable on axes perpendicular to said frame, an endless conveyer travelling about said sprockets, said conveyer having blades adapted to sweep up a load at the lower end of the frame and to discharge the load at the upper end thereof.
2. The combination in a loading apparatus, of a wheeled support, a tiltable frame mounted thereon, sprocket wheels in a plane parallel with the frame, lateral inclined surfaces upon the latter, an endless conveyer travelling about said sprocket wheels, said conveyer having pivoted blades whose lower edges are inclined outwardly and upwardly, and movable over said lateral surface, a shoe attached to and projecting beyond the front end of the frame, and means upon the frame by which the sprocket wheels and conveyer are driven.
3. In a loading device of the character described, an endless conveyer having outwardly extending pivoted arms, said arms comprising a bracket portion and a removable shear portion substantially as shown and described.
4. The combination in a loading apparatus, of a tiltable frame, sprocket wheels at the end of the frame turnable on axes disposed in a vertical plane, an endless link belt passing around said sprockets, conveyer troughs at the sides of the frame, blades pivoted to said belt, and extending outwardly into the troughs and co-operating therewith, the inner walls of said troughs intervening to protect the belt from the material conveyed by said blades.
5. In a loading apparatus, the combination with a frame, a conveyer trough secured to the side thereof, sprockets mounted at the ends of the frame on axes perpendicular thereto, a chain passing about said sprockets and encased in said frame, blades pivotally connected with the chain and projecting through slots in the walls of the frame into the trough to co-operate with the latter to convey a load, and a bifurcated heel portion to said blades straddling said slots and supporting the blades at approximately right angles to the planes of the chain.
6. The combination in a loading apparatus, of a wheeled truck, a tiltable frame mounted thereon, sprockets mounted at the ends of said frame on shafts perpendicular thereto, an endless conveyer travelling about said sprockets, troughs carried by said frame through which the conveyer operates, a motor upon the frame, severable connections between the motor and one of said sprocket shafts, and severable connections between the motor and a truck axle, whereby the same motive power that is used to operate the conveyer may be employed to propel the apparatus.
7. The combination with a loader comprising a tiltable conveyer frame mounted on a wheeled truck, of an inclined conveyer pivotally connected with said truck and having a movement radially thereof, said conveyer having its lower end disposed beneath the discharge of the loader and its upper end at a point above said discharge.

Specification, 13s. Drawings on application.

Application No. 4340.—SAMUEL BUTLER, of Henbury Hill, Westbury-on-Trym, Bristol, England, Merchant, "*A means for preventing the skidding or side-slipping of Motor Cars, Bicycles, and other Vehicles.*"—Dated 25th March, 1903.

*Claims*:—

1. A flexible chain-like band or ring, made in one or more pieces, and having links of any suitable size and shape, for placing or fitting round the periphery of the wheels of motor cars, cycles, and the like, to prevent side-slipping or skidding of the same, substantially as herein described and set forth.
2. A flexible belt, made in one or more pieces, and of any suitable material, such as leather, indiarubber, indiarubber insertion, canvas, or a combination of the same, for placing round the periphery of the wheels of motor cars, cycles, and the like, said belt being provided with metal plates, studs, rivets, screws, teeth, or the like, to prevent side-slipping or skidding of the motor car or the like, said belt being of any suitable shape to fit the tyre, or being held thereon by any suitable means, substantially as herein described and set forth.
3. In a flexible band, ring, or belt, such as described in the foregoing claims, the means for holding same in place upon the periphery of the tyre, such as by forming a groove or recess around the tyre into which the band, ring or belt is placed, or a rib upon which it is fitted, or by straps, clips, rivets, or by wires (as shown in Figs. 8 and 13), or by enlarging the edges of the band, to enable it to be held in the rim of the wheel, substantially as herein described.

4. For preventing the side slipping of motor cars, cycles, and the like, the use or employment of bands constructed of links around the periphery of the wheels, substantially as herein described.
5. For preventing the side-slipping or skidding of motor cars, cycles, and the like, the use or employment of plates, studs, rivets, screws, teeth, or the like, fastened to belts arranged around the periphery of the wheels, substantially as herein described.
6. The use of flexible chain-like bands or of belts in conjunction with metal pieces, said bands or belts being put into grooves or recesses formed around the periphery of tyres for prevention of skidding or side slipping of motor cars, cycles, and the like.
Specification, 4s. 6d. Drawings on application.

Application No. 4344.—WILLIAM GEORGE MANNERS, of Kalgoorlie, Mining Engineer, "*An improved Push Conveyor.*"—Dated 27th March, 1903.

*Claim*:—
In a push conveyor, the application of a toggle and chair, so arranged that the toggle may become detached from the chair, at the termination of the backward stroke and the blade allowed to move forward in a plane parallel to the bottom of the trough, and to be caught in the chair at the termination of the forward stroke, and causing the blade and frame to return in the form of an arc of a circle, thus causing the pushing blade to jump, on the backward stroke, over the material required to be conveyed.
Specification, 6s. 6d. Drawings on application.

Application No. 4345.—ARTHUR CECIL WHITNEY, of Remuera, Auckland, New Zealand, Manager of the Colonial Ammunition Company, Limited, "*An improved Wad for Ammunition Loading.*"—Dated 30th March, 1903.

*Claim*:—
Forming the wads for ammunition cartridges of cylindrical shape and with concavities on both or either of their end faces as herein specified.
Specification, 4s. 6d. Drawings on application.

Application No. 4349.—PHILLIP MAGNUS, of 52 Harmsworth Street, Collingwood, in the State of Victoria, Commonwealth of Australia, Collector, "*Improvements in Pneumatic Tires.*"—Dated 31st March, 1903.

*Claims*:—

1. The improved pneumatic tire consisting of a rim and one or more concentric air tubes, in combination with a liner, each single or reinforced edge of which is turned back upon the main portion and stitched thereto, and encloses an endless wire or band or a series of balls, or both, a leather cover treated as described, secured or unsecured to the said liner with or without an inner or an outer tread ring, said cover having meeting ends united from the interior by blind stitches, the edges of the said cover being wedge sectioned and bearing against one side of the wire bands and the rim or series of balls or against one side of the same and the back surface of the rim, all as and for the purposes hereinbefore described and as illustrated in the drawings.
2. The improved pneumatic tire consisting of a rim and one or more concentric air tubes and surrounding the outer one a casing of leather treated as described having a tongue therein one edge of which is stitched inside the said casing, eyelet holes around the edges of said casing, a draw lace or laces therein, a liner, each single or reinforced edge of which is turned back upon the main portion, stitched thereto, and encloses an endless wire or band, or a series of balls or both, a cover of leather treated as described and secured or unsecured to the said liner, said covering having meeting ends united by blind stitches from the interior, the edges of the said cover being wedge sectioned and bearing against one side of the wire bands or series of balls or both or against one side of the same and the back surface of the rim, all as and for the purposes hereinbefore described and as illustrated in the drawings.
3. In pneumatic tires a cover surrounding the liner outside the air tube or tubes, a tread ring, or a casing of leather, said leather being first dried, naturally or artificially, then immersed for thirty (30) minutes, more or less, in a bath consisting approximately of benzine eighty-five (85) parts, benzol ten (10) parts, naphtha three (3) parts, kerosene five (5) parts, then removed and the body side brushed with steel bristles, again immersed, again brushed, once more immersed and then again brushed and hung for dripping and evaporation, then immersed in baths formed approximately in para rubber twenty (20) parts, benzine eighty (80) parts, benzol ten (10) parts, naphtha two (2) parts, isinglass four (4) draclms, after each bath the skin and body side being well brushed with wire bristles, then hung and finally the following mixture in the following approximate quantities is worked in by a stiff brush, benzine seventy-five (75) parts, benzol twenty (20) parts, naphtha one (1) part, kerosene five (5) parts, all as and for the purposes hereinbefore described and as illustrated in the drawings.
Specification, 9s. Drawings on application.

ApplicationNo. 4350.—JAMES CHANNON, of "Pakenham," Hornsby, near Sydney, in the State of New South Wales and Commonwealth of Australia, Baking Powder Manufacturer, assignee of John Joseph Russell, "*Improvements in seal locks specially applicable for strap buckles as of mail bags.*"—Dated 31st March, 1903.

*Claims*:—

1. In seal locks the combination with a hinged leaf or cover having a sliding bolt thereon and a socket in the lock box adapted to receive said sliding bolt of a chamber or space between said bolt and said leaf or cover adapted to receive an easily destroyed ticket or seal an aperture in said top plate for holding said bolt in locked position and devices in or on said bolt whereby it may be operated through said aperture.
2. In seal locks the combination with a hinged leaf or cover and a sliding bolt thereon such as 13 of a spring such as 19 a nick such as 20 adapted to take in or on a ward or stop such as 21 a recess or chamber for an easily destroyed ticket inwardly of said leaf or cover an aperture such as 18 in said leaf or cover and operating devices in or on said bolt substantially as herein described and illustrated.
3. In seal locks the combination with a hinged leaf or cover having an aperture therein and a sliding spring bolt thereon of a casing such as 12 having guides for said sliding bolt and distance pieces or prints such as 16 so that a ticket or seal may be inserted between said bolt and said aperture in said leaf or cover substantially as herein described and illustrated.
4. A seal lock for strap buckles consisting of the combination or aggregation together of the mechanical parts or integers as and for the purposes set forth substantially as herein described explained and illustrated.
Specification, 6s. 6d. Drawings on application.

Application No. 4352.—ROBERT HARVEY, of 17 London Street, Newtown, near Sydney, in the State of New South Wales, in the Commonwealth of Australia, Master Plumber, and CHARLES JOHN BRUCE, of "Blink Bonnie," Torrens Street, Blakehurst, in the State aforesaid, Plumber, "*A Self-tilting Table adapted to receive moving liquid or matter so as to automatically direct the flow, divert and discharge the same.*"—Dated 31st March, 1903.

*Claims*:—
1. A tilting tray or table consisting of a receiver, having tubular parts for enclosing fluid metal or the like arranged to pass from corner to corner to serve as a counterpoise during the tilting operations of said tray substantially as herein set forth.
2. In a tilting tray or table adapted to discharge in two or more directions the openings formed at the discharging points adjacent to the resting places for holding the liquid metal or the like, as and for the purposes set forth.
3. In a tilting tray poised upon a central pivot, tubular parts attached to said tray arranged for the intermittent flow of liquid metal or the like, the combination therewith of floats, as and for the purposes set forth.
4. In a poised tilting tray operated by rising and falling floats, and counterpoised in the manner set forth, the combination therewith of outlet valves, as and for the purposes set forth.
5. The general combination and arrangement of the parts consisting of a tilting tray or table, a pivot supporting same, tubular parts enclosing liquid matter or the like, attached to said tray, the floats suspended therefrom, the valves and attachments therefor, operated by the said table, as described and shown, and for the purposes set forth.
Specification, 8s. Drawings on application.

Application No. 4354. — JOHN WARDEN LATIMER, Mechanic, a citizen of the United States of America, and a resident of Chicago, in the County of Cock and State of Illinois, and whose post office address is No. 1141 Dunning Street, Chicago, Illinois, U.S.A., "*Mowing Machines.*"—Dated 31st March, 1903.

*Claims*:—
1. In a mowing machine, a gearing frame, the coupling frame pivoted thereto, the swivel hinge F, the cutting apparatus pivotally connected thereto, and having a reciprocating knife, a crank upon the gearing frame, a pitman in two parts, and a vibrating hanger pivoted to said swivel hinge by means of which said pitman is controlled at the junction of its two parts, all combined substantially as described.
2. In a mowing machine, a gearing frame having a crank shaft journaled therein, and provided with a crank, a coupling frame pivoted to the said gearing frame and adapted to rise and fall at its grassward end, a finger bar secured to said coupling frame by means permitting movement on two axes, whereby it may rock on a substantially horizontal axis transverse to the lateral advance of the machine and be folded upward at its outer end, a reciprocating knife, a jointed pitman connecting said crank to said reciprocating knife, and a down hanger, secured to a support upon the coupling frame and connected to the joint of said pitman, means for raising the cutting apparatus simultaneously at both ends, and means for raising the outer end independently of the inner, all combined substantially as described.
3. In a mowing machine, a gearing frame having a cranked shaft journaled therein, a coupling frame, a swivel hinge pivoted to said coupling frame, the finger bar pivoted to said swivel hinge, said parts having combined therewith the support m secured to the said swivel hinge, a vibrating hanger pivoted in the said support, a reciprocating knife, said reciprocating knife connected to the crank of said crank shaft by a two part pitman, said two part pitman connected to said vibrating hanger, substantially as described.
4. In a mowing machine, a gearing frame, a coupling frame pivoted thereto, a reciprocating cutting device pivotally connected to said coupling frame, lifting mechanism adapted to raise and sustain the cutting apparatus at both inner and outer end simultaneously, combined with a separate lifting lever and supplemental spring adapted to raise the outer end of the cutting apparatus to a higher position, at the will of the attendant, substantially as described.
5. In a mowing machine, a gearing frame, a coupling frame pivoted thereto, a reciprocating cutting device pivotally connected to said coupling frame, lifting mechanism adapted to raise and sustain the cutting apparatus to both inner and outer end simultaneously, combined with a spring adapted to raise the outer end of the cutting apparatus to a higher position, at the will of the attendant, and a pivoted arm, to which the spring is connected so that the line of draft of the spring shall cross the axis of movement of said arm and thus render the spring inoperative while the cutting apparatus is in working position, substantially as described.
6. In a mowing machine, a gearing frame, a coupling frame pivoted thereto, a reciprocating cutting device pivotally connected to said coupling frame, lifting mechanism adapted to raise and sustain the cutting apparatus at both inner and outer end simultaneously, combined with a spring adapted to raise the outer end of the cutting apparatus to a higher position, at the will of the attendant, and a pivoted arm to which the spring is connected so that the line of draft of the spring shall cross the axis of movement of said arm and thus render the spring inoperative while the cutting apparatus is in working position, said arm having as one piece therewith a lever controllable by the operator, substantially as described.
7. In a mowing machine, the main gearing carriage, a crank shaft mounted therein, the coupling frame pivoted thereto, the cutting mechanism pivoted to the said coupling frame, a two part pitman connecting said crank to said cutting apparatus, a down hanger controlling the said two part pitman, said down hanger clasping the two parts of said two part pitman where joined, substantially as described.
8. In a mowing machine, a gearing frame, a coupling frame pivoted thereto, a swivel hinge F, a cutting apparatus pivotally connected thereto and having a reciprocating knife, a crank upon the gearing frame, a pitman in two parts connecting the crank and reciprocating knife, and means supported by the swivel hinge for supporting and guiding the pitman at the junction of its two parts, substantially as described.
Specification, 13s. Drawings on application.

Application No. 4364.—LOUIS JOSEPH RENOY, of Auch, in the Republic of France, Manufacturer, "*Improvements in Boilers for cooking purposes.*"—Dated 6th April, 1903.

*Claims*:—
1. A boiler of the class described consisting of a receptacle and cover of the form of a pointed arch which, being surrounded by a cylindrical casing is fixed to the latter, substantially as described,

2. A boiler of the class described and referred to in the first claiming clause having between its receptacle and cover which both are tightly united by means of flanges and screw-bolts, a channel-like place for receiving the condensed water generated in the boiler, substantially as described.

3. A boiler of the class described and referred to in the preceding claiming clauses, having a double bottom with a steam inlet and outlet cock and an outlet tube with a cock fixed to the principal bottom of the boiler, substantially as described.

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

Application No. 4366.—GEORGE HENRY CATT, of Villa Amalthea, Hythe, in the County of Southampton, England, Manufacturer, "*Improvements in the scoring wheels of Boot-finishing Machines*."—Dated 7th April, 1903.

*Claims*:—

1. In a scoring wheel for boot-finishing machines, a male cone sunk in a central recess of the wheel and formed partly on the movable half of the wheel and partly on the fixed half of the wheel, this male cone surrounding a sleeve capable of being secured on the shaft of the machine.

2. In a scoring wheel for boot-finishing machines, the combination with the wheel formed as a movable portion hinged to a fixed portion, of annular cheek plates serving as guides for the said movable portion.

3. In a scoring wheel for boot-finishing machines, the combination with the wheel mounted on a sleeve and formed as a movable half hinged to a fixed half, of annular cheek plates provided with oblique slots in which can travel pins upstanding from said movable half of the wheel.

Specification, 9s. Drawings on application.

R. G. FERGUSON,
Registrar of Patents.

## Renewal Fees paid on Patents registered from 4th to 11th April, 1903.

*Fees payable before the end of the seventh year in respect of the seven following years*:—

No. 868.—Waters, E.
No. 870.—Dixson, H. R.
No. 871.—Dixson, H. R.
No. 872.—Dixson, H. R.

*Fees payable before the end of the fourth year in respect of the three following years*:—

No. 2578.—Stephen, H. C.
No. 2600.—Statham, T.

## Amendments made.

No. 1607.—W. A. T. BERGANHAGEN.

IN pursuance of leave granted on the 25th March, 1903, the above-numbered application has been amended in the manner set forth in the Patent Supplement to the *Government Gazette* of the 20th February, 1903, No. 8, page 377.

No. 3681.—R. SEEMAN.

IN pursuance of leave granted on the 14th February, 1903, the above-numbered application has been amended in the manner set forth in the Patent Supplement to the *Government Gazette* of the 19th December, 1902, No. 51, page 4628.

R. G. FERGUSON,
Registrar of Patents.

## Applications abandoned.

28TH MARCH TO 11TH APRIL.

Application No. 3875.—THOMAS HENRY HARRIS, of 397 Victoria Parade, East Melbourne, Victoria, Mining Engineer, "*A Reins Holder*."—Dated 26th May, 1902.

Application No. 3876.—ERNEST JOSEPH PARROTT, of Christchurch, in the Colony of New Zealand, Merchant, "*Improved process of and apparatus for making Lime-sand Bricks and Artificial Stone*."—Dated 27th May, 1902.

Application No. 3877.—HENRY THOMSON, of Boulder City, Western Australia, Plumber, "*A Multiple Acetylene Gas Generator*."—Dated 27th May, 1902.

Application No. 3893.—JAMES GLENCROSS, of Bayley Street, Coolgardie, Western Australia, Plumber, "*Appliance for Drilling and Tapping Mains under pressure*."—Dated 7th June, 1902.

R. G. FERGUSON,
Registrar of Patents.

## Applications for Patents.

APRIL 4TH—11TH.

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

| No. | Date. | Name. | Address. | Title. |
|---|---|---|---|---|
| *4363 | 6th April, 1903 | McLeod, M. E. ... ... ... | Sale, Victoria ... | Improvements in charts to be used in the cutting of patterns for ladies and children's garments. |
| 4364 | 6th April, 1903 | Renoy, L. J. ... ... ... | Auch, France ... | Improvements in boilers for cooking purposes. |
| 4365 | 6th April, 1903 | Mayne, W. ... ... ... | Mildura, Victoria... | An improved engine valve gear by which the points of admission, cut off, and release of high-pressure or other motive fluid may be controlled. |
| 4366 | 7th April, 1903 | Catt, G. H. ... ... ... | Hythe, England ... | Improvements in the scoring wheels of boot-finishing machines. |
| 4367 | 7th April, 1903 | Dolter Electric Traction, Limited (assignee of Dolter, H.) | London, England... | Improvements in surface contact electric traction systems. |
| 4368 | 8th April, 1903 | Ribbert, J. ... ... ... | Holthausen, Prussia | Improvements in the manufacture of fabrics coloured with indigo. |
| 4369 | 8th April, 1903 | Vacuum Tin Syndicate, Limited (assignee of Cates, W. E. W.) | Bristol, England ... | Improvements in apparatus for exhausting the air from cans and other receptacles adapted to be hermetically closed. |
| *4370 | 8th April, 1903 | Harrigan, J. ... ... ... | Williamstown, Victoria | Improved hairdressing appliance. |
| *4371 | 8th April, 1903 | Rawling, W. J. ... ... ... | Adelaide, South Australia | Improvements relating to fabric canteens and handles thereto. |
| 4372 | 8th April, 1903 | Crown Cork and Seal Company (assignee of R. A. Hall) | Baltimore City, U.S.A. | Improvements in closure for bottles and other vessels. |
| 4373 | 8th April, 1903 | Maniachi, A. V. ... ... | Melbourne, Victoria | An improved stove for heating irons and the like. |
| 4374 | 8th April, 1903 | Hayes, G. H. ... ... ... | London, England | Improvements in pneumatic drills and like machines. |
| 4375 | 8th April, 1903 | Ford, L. P. ... ... ... | Westminster, London, England | Improvements in the manufacture of artificial stone bricks. |

## Provisional Specifications Accepted.

*Patent Office, Perth, 17th April, 1903.*

APPLICATIONS for Letters Patent, accompanied by Provisional Specifications, which have been accepted from 4th to 11th April, 1903:—

Application No. 4331.—WILLIAM PAYNE BIRMINGHAM, of Fremantle, Western Australia, Medical Practitioner, "*Improved Ore-smelting Furnace.*"—Dated 19th March, 1903.

Application No. 4335.—ROBERT MCKNIGHT, of 2837 Rondinot Street, City of Philadelphia, State of Pennsylvania United States of America, Metallurgist, "*Improvements in Electro-magnetic Separators.*"—Dated 25th March, 1903.

Application No. 4343.—SAMUEL WELLS, of York, Western Australia, Farmer, "*Seed-pickling Appliance.*"—Dated 27th March, 1903.

Application No. 4363.—MARRIANNE EWING MCLEOD, of Barkly Street, Sale, in the County of Tanjil, in the State of Victoria, Dressmaker, "*Improvements in charts to be used in the cutting of Patterns for Ladies and Children's Garments.*"—Dated 6th April, 1903.

R. G. FERGUSON,
Registrar of Patents.

## Index of Applicants for Patents.

APRIL 4TH—11TH.

| Name. | Title. | No. | Date. |
|---|---|---|---|
| Cates, W. E. W. ... ... ... ... | *Vide* Vacuum Tin Syndicate, Limited ... ... ... | 4369 | 8th April, 1903 |
| Catt, G. H. ... ... ... ... | Improvements in the scoring wheels of boot-finishing machines | 4366 | 7th April, 1903 |
| Crown Cork and Seal Company (assignee of R. A. Hall) | Improvements in closures for bottles and other vessels | 4372 | 8th April, 1903 |
| Dolter Electric Traction, Limited (assignee of Dolter, H.) | Improvements in surface contact electric traction systems | 4367 | 7th April, 1903 |
| Dolter, H. ... ... ... ... | *Vide* Dolter Electric Traction, Limited ... ... ... | 4367 | 7th April, 1903 |
| Ford, L. P. ... ... ... ... | Improvements in the manufacture of artificial stone bricks | 4375 | 8th April, 1903 |
| Hall, R. A. ... ... ... ... | *Vide* Crown Cork and Seal Company ... ... ... | 4372 | 8th April, 1903 |
| Harrigan, J. ... ... ... ... | Improved hairdressing appliance ... ... ... ... | 4370 | 8th April, 1903 |
| Hayes, G. H. ... ... ... ... | Improvements in pneumatic drills and like machines ... | 4374 | 8th April, 1903 |
| Maniachi, A. V. ... ... ... ... | An improved stove for heating irons and the like ... | 4373 | 8th April, 1903 |
| Mayne, W. ... ... ... ... | An improved engine valve gear by which the points of admission, cut off, and release of high pressure or other motive fluid may be controlled | 4365 | 6th April, 1903 |
| McLeod, M. E. ... ... .. ... | Improvements in charts to be used in the cutting of patterns for ladies and children's garments | 4363 | 6th April, 1903 |
| Rawling, W. J. ... ... ... ... | Improvements relating to fabric canteens and handles thereto | 4371 | 8th April, 1903 |
| Renoy, L. J. ... ... ... ... | Improvements in boilers for cooking purposes ... ... | 4364 | 6th April, 1903 |
| Ribbert, J. ... ... ... ... | Improvements in the manufacture of fabrics coloured with indigo | 4368 | 7th April, 1903 |
| Vacuum Tin Syndicate, Limited (assignee of Cates, W. E. W.) | Improvements in apparatus for exhausting the air from cans and other receptacles adapted to be hermetically closed | 4369 | 8th April, 1903 |

## Index of Subjects of Patents Applications.

APRIL 4TH—11TH.

| Title. | Name. | No. | Date. |
|---|---|---|---|
| Air, exhausting from cans ... ... | Vacuum Tin Syndicate, Limited (assignee of W. G. W. Cates) | 4369 | 8th April, 1903 |
| Boilers for cooking purposes ... ... | Renoy, L. J. ... ... ... ... ... ... ... | 4364 | 6th April, 1903 |
| Boot Finishing Machine (scoring wheels) | Catt, G. H. ... ... ... ... ... ... ... | 4366 | 7th April, 1903 |
| Bottles (closures for) ... ... ... | Crown Cork and Seal Company (assignee of R. A. Hall) ... | 4372 | 8th April, 1903 |
| Bricks (stone) ... ... ... ... | *Vide* Stone Bricks... ... ... ... ... .. ... | 4375 | 8th April, 1903 |
| Cans (hermetically sealed) ... ... | *Vide* Air ... ... ... ... ... ... ... ... | 4369 | 8th April, 1903 |
| Canteens (fabric) ... ... ... | Rawling, W. J. ... ... ... ... ... ... | 4371 | 8th April, 1903 |
| Charts ... ... ... ... ... | *Vide* Pattern Charts ... ... ... ... ... ... | 4363 | 6th April, 1903 |
| Dressmaking ... ... ... ... | *Vide* Pattern Charts ... ... ... ... ... ... | 4363 | 6th April, 1903 |
| Drills (pneumatic) ... ... ... | Hayes, G. H. ... ... ... ... ... ... | 4374 | 8th April, 1903 |
| Electric Traction System (surface contact) | Dolter Electric Traction, Limited (assignee of Dolter, H.) | 4367 | 7th April, 1903 |
| Engines ... ... ... ... ... | *Vide* Valve Gear .. ... ... ... ... ... ... | 4365 | 6th April, 1903 |
| Fabrics (improved manufacture in indigo) | Ribbert, J. ... ... ... ... ... ... ... | 4368 | 8th April, 1903 |
| Hair-dressing Appliance ... ... | Harrigan, J. ... ... ... ... ... ... ... | 4370 | 8th April, 1903 |
| Pattern Charts ... ... ... ... | McLeod, M. E. ... ... ... ... ... .. ... | 4363 | 6th April, 1903 |
| Scoring Wheels... ... ... ... | *Vide* Boot Finishing Machine ... ... ... ... ... | 4366 | 7th April, 1903 |
| Stone Bricks (artificial) ... ... | Ford, L. P. ... ... ... ... .. ... ... | 4375 | 8th April, 1903 |
| Stoves (for heating irons, etc.) ... | Maniachi, A. V. ... ... ... ... ... ... ... | 4373 | 8th April, 1903 |
| Toilet Articles ... ... ... ... | *Vide* Hairdressing Appliance ... ... ... ... ... | 4370 | 8th April, 1903 |
| Traction System (electric) ... ... | *Vide* Electric Traction System (surface contact) ... ... | 4367 | 7th April, 1903 |
| Valve Gear ... ... ... ... | Mayne, W. ... ... ... ... ... ... ... ... | 4365 | 7th April, 1903 |
| Vessels (hermetically sealed) ... | *Vide* Air ... ... ... ... ... ... ... ... | 4369 | 8th April, 1903 |

## Index of Patentees.

APRIL 4TH—11TH.

| Name. | Title. | No. | Date. | *Gazette.* Date. | No. | Page. |
|---|---|---|---|---|---|---|
| Ainsworth, J. ... ... | *Vide* White, A. M. ... ... ... | 3838 | 22nd April, 1902 | 6th Feb., 1903 | 6 | 246 |
| Ball Check Light Company | *Vide* Sparrow, R. ... ... ... ... | 4194 | 18th Dec., 1902 | 6th Feb., 1903 | 6 | 247 |
| Braithwaite, J. H. ... ... | A new or improved free-wheel and variable speed-gearing for use in connection with velocipedes, motor cars, and the like, and for other purposes | 4184 | 16th Dec., 1902 | 6th Feb., 1903 | 6 | 245 |
| Brandt, F. ... ... ... | Improvements in pumps for kerosene and other liquids | 4212 | 30th Dec., 1902 | 6th Feb., 1903 | 6 | 248 |
| Chitty, H. ... ... ... | *Vide* Sparrow, R. ... ... ... ... | 4193 | 18th Dec., 1902 | 6th Feb., 1903 | 6 | 247 |
| Christ, L. ... ... ... | Improvements in stone-boring apparatus | 4225 | 6th Jan., 1903 | 6th Feb., 1903 | 6 | 248 |
| Collins, H. ... ... ... | Improvements in or connected with liquids pumps | 4186 | 16th Dec., 1902 | 6th Feb., 1903 | 6 | 246 |
| Coventry, C. J. (assignee of T. Ward and E. Mason) | An improved chemical preparation or combination for destroying vermin, and apparatus connected therewith | 4205 | 23rd Dec., 1902 | 6th Feb., 1903 | 6 | 248 |
| Cresswell, G.... ... ... | *Vide* Sandover, W. ... ... ... | 4195 | 19th Dec., 1902 | 6th Feb., 1903 | 6 | 247 |
| Davies, J. B. ... ... ... | *Vide* Dunne, C. F. ... ... ... | 4192 | 18th Dec., 1902 | 6th Feb., 1903 | 6 | 247 |
| Dunne, C. F. (assignee of J. B. Davies) | An improved nail and screw for securing corrugated iron | 4192 | 18th Dec., 1902 | 6th Feb., 1903 | 6 | 247 |
| Fessenden, R. A. ... ... | Improvements in apparatus for signalling by electro-magnetic waves | 4190 | 18th Dec., 1902 | 6th Feb., 1903 | 6 | 246 |
| Filor, C. F. ... ... ... | *Vide* Perfection Blind and Lock Stitch Sewing Machine Company | 4199 | 23rd Dec., 1902 | 6th Feb., 1903 | 6 | 247 |
| James, J. ... ... ... | *Vide* Sandover, W. ... ... ... | 4195 | 19th Dec., 1902 | 6th Feb., 1903 | 6 | 247 |
| Mason, E. ... ... ... | *Vide* Coventry, C. J. ... ... ... | 4205 | 23rd Dec., 1902 | 6th Feb., 1903 | 6 | 248 |
| Messenger, T. W. ... ... | Improvements in ear trumpets ... ... | 3816 | 9th April, 1902 | 6th Feb., 1903 | 6 | 245 |
| Moore, F. ... ... ... | Oil and grease separator ... ... ... | 4185 | 16th Dec., 1902 | 6th Feb., 1903 | 6 | 246 |
| Page, F. W. ... ... | Improved means for securing fencing wires and wire netting to standards and droppers, and wire netting to fencing wires | 3808 | 7th April, 1902 | 25th April, 1902 | 17 | 1776 |
| Perfection Blind and Lock Stitch Sewing Machine Company (assignee of C. F. Filor) | Blind stitching sewing machines ... | 4199 | 23rd Dec., 1902 | 6th Feb., 1903 | 6 | 247 |
| Ritchie, C. V. ... ... | An automatic tilting cradle for casks and such like vessels | 4062 | 26th Sept., 1902 | 6th Feb., 1903 | 6 | 245 |
| Sandover, A. ... ... ... | *Vide* Sandover, W. ... ... ... | 4195 | 19th Dec., 1902 | 6th Feb., 1903 | 6 | 247 |
| Sandover, W.; Sandover, A.; Walker, C. W.; and James, J. (assignees of Cresswell, G.) | An improved lid fastening for sanitary pans | 4195 | 19th Dec., 1902 | 6th Feb., 1903 | 6 | 247 |
| Sparrow R. (*Ball Check Light Company*) | Improved adjustable gas check ... ... | 4194 | 18th Dec., 1902 | 6th Feb., 1903 | 6 | 247 |
| Sparrow, R. (*H. Chitty*) ... | Improvements in dynamo-electric machinery | 4193 | 18th Dec., 1902 | 6th Feb., 1903 | 6 | 247 |
| Walker, C. W. ... ... | *Vide* Sandover, W. ... ... ... | 4195 | 19th Dec., 1902 | 6th Feb., 1903 | 6 | 247 |
| Ward, T. ... ... ... | *Vide* Coventry, C. J. ... ... ... | 4205 | 23rd Dec., 1902 | 6th Feb., 1903 | 6 | 248 |
| White, A. M. (assignee of J. Ainsworth) | Improvements in plough shares ... | 3838 | 22nd April, 1902 | 6th Feb., 1903 | 6 | 246 |
| Wilson, J. D. ... ... | Improvements in brick kilns ... ... | 4207 | 23rd Dec., 1902 | 6th Feb., 1903 | 6 | 248 |

## Index of Subjects of Patents Granted.

APRIL 4TH—11TH.

| Title. | Name. | No. | Date. | *Gazette.* Date. | No. | Page. |
|---|---|---|---|---|---|---|
| Boring Stone ... ... ... | *Vide* Stone Boring ... ... | 4225 | 6th Jan., 1903 | 6th Feb., 1903 | 6 | 248 |
| Brick-kilns ... ... ... | *Vide* Kilns ... ... ... | 4207 | 23rd Dec., 1902 | 6th Feb., 1903 | 6 | 248 |
| Destroying Vermin ... ... | Coventry, C. J. (assignee of T. Ward and E. Mason) | 4205 | 23rd Dec., 1902 | 6th Feb., 1903 | 6 | 248 |
| Droppers ... ... ... ... | *Vide* Fencing Wires ... ... | 3808 | 7th April, 1902 | 25th April, 1902 | 17 | 1776 |
| Dynamo Electric Machine ... | Sparrow, R. (*Chitty, H.*) .. | 4193 | 18th Dec., 1902 | 6th Feb., 1903 | 6 | 247 |
| Ear Trumpets ... ... ... | Messenger, T. W. ... ... | 3816 | 9th April, 1902 | 6th Feb., 1903 | 6 | 248 |
| Fencing Wires (securement of) | Page, F. W. ... ... ... | 3808 | 7th April, 1902 | 25th April, 1902 | 17 | 1776 |
| Gas (combined spreader and check) | Sparrow, R. (*Ball Check Light Company*) | 4194 | 18th Dec., 1902 | 6th Feb., 1903 | 6 | 247 |
| Kilns ... ... ... ... | Wilson, J. D. ... ... ... | 4207 | 23rd Dec., 1902 | 6th Feb., 1903 | 6 | 248 |
| Lid Fastenings ... ... ... | *Vide* Sanitary Pans (lid-fastening for) | 4195 | 19th Dec., 1902 | 6th Feb., 1903 | 6 | 247 |
| Motor Cars ... ... ... | *Vide* Velocipedes (spread gearing) | 4184 | 16th Dec., 1902 | 6th Feb., 1903 | 6 | 245 |
| Nail for Corrugated Iron ... | Dunne, C. F. (assignee of J. B. Davies) | 4192 | 18th Dec., 1902 | 6th Feb., 1903 | 6 | 247 |
| Oil Separator ... ... ... | Moore, F. ... ... ... | 4185 | 16th Dec., 1902 | 6th Feb., 1903 | 6 | 246 |
| Plough Shares ... ... ... | White, A. M. ... ... ... | 3838 | 22nd April, 1902 | 6th Feb., 1903 | 6 | 246 |
| Pumps ... ... ... ... | Brandt, F. ... ... ... | 4212 | 30th Dec., 1902 | 6th Feb., 1903 | 6 | 248 |
| Pumps ... ... ... ... | Collins, H. ... ... ... | 4186 | 16th Dec., 1902 | 6th Feb., 1903 | 6 | 246 |
| Sanitary Pans (lid-fastening for) | Sandover, W.; Sandover, A.; Walker, C. W.; and James, J. | 4195 | 19th Dec., 1902 | 6th Feb., 1903 | 6 | 247 |
| Screw ... ... ... ... | *Vide* Nail ... ... ... | 4192 | 18th Dec., 1902 | 6th Feb., 1903 | 6 | 247 |
| Separator (oil) ... ... ... | *Vide* Oil Separator ... ... | 4185 | 16th Dec., 1902 | 6th Feb., 1903 | 6 | 246 |
| Sewing Machine... ... ... | Perfection Blind and Lock-stitch Sewing Machine Company (assignee of C. F. Filor) | 4199 | 23rd Dec., 1902 | 6th Feb., 1903 | 6 | 247 |
| Signalling by Electro-magnetic Waves | Fessenden, R. A. ... ... | 4190 | 18th Dec., 1902 | 6th Feb., 1903 | 6 | 247 |
| Stone Boring ... ... ... | Christ, L. ... ... ... | 4225 | 6th Jan., 1903 | 6th Feb., 1903 | 6 | 248 |
| Telegraphy ... ... ... | *Vide* Signalling by Electro-magnetic waves | 4190 | 18th Dec., 1902 | 6th Feb., 1903 | 6 | 247 |
| Trumpets (ear) ... ... ... | *Vide* Ear Trumpets ... ... | 3816 | 9th April, 1902 | 6th Feb., 1903 | 6 | 248 |
| Vat Filter ... ... ... | Ritchie, C. V. ... ... ... | 4062 | 26th Sept., 1902 | 6th Feb., 1903 | 6 | 245 |
| Velocipedes (spread gearing for) | Braithwaite, J. H. ... ... | 4184 | 16th Dec., 1902 | 6th Feb., 1903 | 6 | 245 |
| Vermin ... ... ... ... | *Vide* Destroying Vermin ... | 4205 | 23rd Dec., 1902 | 6th Feb., 1903 | 6 | 248 |
| Wheels (free) ... ... ... | *Vide* Velocipedes (spread gearing) | 4184 | 16th Dec., 1902 | 6th Feb., 1903 | 6 | 245 |

## List of Trade Mark Applications refused.

APRIL 4TH—11TH, 1903.

Application No. 2738, dated 26th February, 1903.—HORROCKS & WADHAM, Manufacturers, Rialto Chambers, High Street, Fremantle, in the State of Western Australia, to register in Class 42, in respect of Articles used as Food or as ingredients in food (excepting Lard.)

Application No. 2749, dated 9th March, 1903.—THOMAS OWEN GAZE and WALTER D. COOKES, corner of William and Hay Streets, Perth, in the State of Western Australia, to register in Class 38, in respect of Articles of Clothing.

Application No. 2757, dated 16th March, 1903.—HUGH ROBERT DIXSON, of 6 North Terrace, Adelaide, South Australia, to register in Class 45, in respect of Tobacco, whether manufactured or unmanufactured.

## Alphabetical List of Registrants of Trade Marks.

APRIL 4TH—11TH.

| Name. | Goods. | Class. | No. | Date. | *Gazette.* No. | *Gazette.* Date. | *Gazette.* Page. |
|---|---|---|---|---|---|---|---|
| Cohen, B. ... ... ... | *Vide* Hertzberg & Co. ... ... | 3 | 2642 | 21st Nov., 1902 | 5 | 30th Jan., 1903 | 206 |
| Crosfield, J., & Sons, Ltd. | Candles, common soap, detergents, illuminating, heating, or lubricating oils, matches and starch, blue and other preparations for laundry purposes | 47 | 2563 | 21st Aug., 1902 | 47 | 29th Aug., 1902 | 3665 |
| Dunlop ... ... ... | *Vide* Edwards, Dunlop, & Co. ... | 39 | 2670 | 16th Dec., 1902 | 5 | 30th Jan., 1903 | 206 |
| Edwards, Dunlop, & Company, Ltd. | Paper, paper bags, stationery, bookbinding and printing material | 39 | 2670 | 16th Dec., 1902 | 5 | 30th Jan., 1903 | 206 |
| Glyn & Co. ... ... | Headgear ... ... ... ... | 38 | 2689 | 2nd Jan., 1903 | 5 | 30th Jan., 1903 | 207 |
| Goss, W. E., & Co. ... | Engineering, architectural, and building contrivances | 18 | 2591 | 19th Sept., 1902 | 39 | 26th Sept., 1902 | 3951 |
| Hamley Bros. ... ... | Games of all kinds and sporting articles not included in other classes | 49 | 2472 | 15th May, 1902 | 33 | 15th Aug., 1902 | 3540 |
| Hertzberg & Co. (A. M. Hertzberg, A. Hertzberg, and B. Cohen) | Chemical substances prepared for use in medicine and pharmacy | 3 | 2642 | 21st Nov., 1902 | 5 | 30th Jan., 1903 | 206 |
| Hertzberg, A. M. and A. | *Vide* Hertzberg & Co. ... ... | 3 | 2642 | 21st Nov., 1902 | 5 | 30th Jan., 1903 | 206 |
| Ogdens, Limited ... ... | Cigarettes ... ... ... ... | 45 | 2564 | 26th Aug., 1902 | 38 | 19th Sept., 1902 | 3889 |
| Wear, C. (trading as "Wear's Cycle Agency") | Bicycles ... ... ... ... | 22 | 2690 | 23rd Jan., 1903 | 22 | 5th Jan., 1903 | 141 |

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

APRIL 4TH—11TH.

| Goods. | Name. | No. | Date. | Class. | *Gazette.* No. | *Gazette.* Date. | *Gazette.* Page. |
|---|---|---|---|---|---|---|---|
| Architectural Contrivances | *Vide* Engineering contrivances ... | 2591 | 19th Sept., 1902 | 18 | 39 | 26th Sept., 1902 | 3951 |
| Bags (paper) ... ... | *Vide* Paper ... ... ... ... | 2670 | 16th Dec., 1902 | 39 | 5 | 30th Jan., 1903 | 206 |
| Bicycles ... ... | Cecil Wear (trading as "Wear's Cycle Agency") | 2690 | 5th Jan., 1903 | 22 | 4 | 23rd Jan., 1903 | 142 |
| Bookbinding Material | *Vide* Paper ... ... ... ... | 2670 | 16th Dec., 1902 | 39 | 5 | 30th Jan., 1903 | 206 |
| Building Contrivances | *Vide* Engineering contrivances ... | 2591 | 19th Sept., 1902 | 18 | 39 | 26th Sept., 1902 | 3951 |
| Candles ... ... | J. Crosfield & Sons, Ltd. ... ... | 2563 | 21st Aug., 1902 | 47 | 35 | 29th Aug., 1902 | 3665 |
| Chemical Substances | A. M. Hertzberg, A. Hertzberg, and B. Cohen (trading as A. M. Hertzberg & Co.) | 2642 | 21st Nov., 1902 | 3 | 5 | 30th Jan., 1903 | 206 |
| Cigarettes ... ... | Ogdens, Ltd. ... ... ... ... | 2564 | 26th Aug., 1902 | 45 | 38 | 19th Sept., 1902 | 3889 |
| Common Soap ... | *Vide* Candles ... ... ... ... | 2563 | 21st Aug., 1902 | 47 | 35 | 29th Aug., 1902 | 3665 |
| Detergents ... ... | *Vide* Candles ... ... ... ... | 2563 | 21st Aug., 1902 | 47 | 35 | 29th Aug., 1902 | 3665 |
| Engineering Contrivances | W. E. Goss & Co. ... ... ... | 2591 | 19th Sept., 1902 | 18 | 39 | 26th Sept., 1902 | 3951 |
| Games ... ... ... | Hamley Bros. ... ... ... ... | 2472 | 15th May, 1902 | 49 | 33 | 15th Aug., 1902 | 3540 |
| Headgear ... ... | Glyn & Co. ... ... ... ... | 2689 | 2nd Jan., 1903 | 38 | 5 | 30th Jan., 1903 | 207 |
| Laundry Preparations | *Vide* Candles ... ... ... ... | 2563 | 21st Aug., 1902 | 47 | 35 | 29th Aug., 1902 | 3665 |
| Matches ... ... | *Vide* Candles ... ... ... ... | 2563 | 21st Aug., 1902 | 47 | 35 | 29th Aug., 1902 | 3665 |
| Oils (illuminating, heating, and lubricating) | *Vide* Candles ... ... ... ... | 2563 | 21st Aug., 1902 | 47 | 35 | 29th Aug., 1902 | 3665 |
| Paper ... ... ... | Edwards, Dunlop, & Co., Ltd. ... | 2670 | 16th Dec., 1902 | 39 | 5 | 30th Jan., 1903 | 206 |
| Printing Material ... | *Vide* Paper ... ... ... ... | 2670 | 16th Dec., 1902 | 39 | 5 | 30th Jan., 1903 | 206 |
| Sporting Articles ... | *Vide* Games ... ... ... ... | 2472 | 15th May, 1902 | 49 | 33 | 15th Aug., 1902 | 3540 |
| Stationery ... ... | *Vide* Paper ... ... ... ... | 2670 | 16th Dec., 1902 | 39 | 5 | 30th Jan., 1903 | 206 |

By Authority: WM. ALFRED WATSON, Government Printer, Perth.