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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,  
27th February, 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. 3859.—WILLIAM GRATTAN, of No. 454 Collins Street, Melbourne, in the State of Victoria, Australia, Grazier and Vigneron, "*Improvements in Wire Fencing.*"—Dated 7th May, 1902.

#### Claims:—

1. Means for keeping fencing wire taut and in proper alignment comprising the employment in the fencing of a spring to which a wire or wires are to be attached for the purposes described, and as illustrated on the accompanying drawings.
2. Means for keeping fencing wire taut and in proper alignment comprising the employment in the fencing of spiral springs as A with bent ends a1 and a2 to which the two ends of the fencing wires threaded through the springs are secured, for the purposes described, and as illustrated on Figures 2 and 3 of the accompanying drawings.
3. Means for keeping fencing wire taut and in proper alignment comprising the employment of a flat spring as E secured to fencing post and receiving end of wire for the purposes described, and as illustrated on Figures 4 and 5 of the accompanying drawings.

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

Application No. 3862.—RUSSELL SINCLAIR, of No. 97 Pitt Street, in the City of Sydney, and State of New South Wales, in the Commonwealth of Australia, Consulting Mechanical Engineer, "*Improvements in Submarine Vessels or Diving Apparatus.*"—Dated 10th May, 1902.

#### Claims:—

1. The combination with a submarine vessel of grasshopper legs or thrust bars jointed to radius levers adapted to be operated inside said vessel to travel the same in a series of hops substantially as herein described and explained.
2. The combination with a submarine vessel adapted to support itself on a sea bottom of grasshopper legs having thereon feet or ends adapted to hold and be thrust against said sea bottom substantially as herein described and explained.
3. The combination and arrangement with a hull 3 of a bracket 4 having a stuffing box 5 gland 6 nut 7 ball cup 8 nut 9 stuffing box 10 gland 11 and nuts 12 and a spindle 13 having a collar 14 as for the purposes set forth substantially as herein described and explained and as illustrated in the drawing.
4. The combination and arrangement with a hull 3 a shaft 13 having collar 14 and a suitable watertight support and bearing for such shaft 13 of radius lever 16 knuckle joint 17 and leg 18 having suitable holding foot as and for the purposes set forth substantially as herein described and explained and as illustrated in the drawing.

5. The particular combination with grasshopper leg 18 of a foot having combs or teeth 19 and holding bolts 20 substantially as herein described and explained and as illustrated in the drawing.  
Specification, 6s. Drawings on application.

Application No. 3867.—THEODORE BERNARD JACOBSEN, of Auckland, in the Colony of New Zealand, Architect, "*Improved means for attaching the handles of door locks and the like to the same.*"—Dated 13th May, 1902

#### Claims:—

1. In means for securing the handles of doors and the like to their spindles, a spindle the ends of which are formed with ratchets upon two opposite faces, and a pair of springs secured to the inside of the handle and adapted to engage with the teeth of the ratchets on the spindle, as herein specified.
2. In means for securing the handles of doors and the like to their spindles, a spindle the ends of which are formed with ratchets upon two opposite faces, and a pair of springs secured to the inside of the handle and adapted to engage with the teeth of the ratchets on the spindle and a removable top upon the handle, as herein set forth.

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

Application No. 3878.—EDWARD TRAFHERNE TOWGOOD, of Grassmere, Wanganui, in the Colony of New Zealand, Settler, "*An improved Tobacco Pipe.*"—Dated 27th May, 1902.

#### Claim:—

In tobacco pipes, a hollow stem and a hollow removable mouthpiece, in combination with blocks of pumice shaped to fit within the hollows of the stem and mouthpiece and in the bottom of the bowl of the pipe, the blocks of pumice within the stem and mouthpiece being each pierced longitudinally with a draw hole and provided with means whereby they may be handled, as herein set forth.

Specification, 5s. Drawings on application.

Application No. 3879.—THOMAS OLIVER TURNBULL, of Kawhia, in the Colony of New Zealand, Settler, "*A device for carrying children.*"—Dated 27th May, 1902.

#### Claims:—

1. A device for carrying children, the same consisting of a neck or shoulder band, adjustable in length, the bottom ends of which are narrowed down and secured together so as to form a frame, and a small hammock of any suitable material suspended upon such frame, as herein specified.
2. A device for carrying children, the same consisting of a neck or shoulder band, adjustable in length, the bottom ends of which are narrowed down and secured together so as to form a frame, a small hammock suspended upon such frame, and a restraining strap the two ends of which are respectively attached to the two dependent parts of the neck or shoulder band, as herein specified.

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

Application No. 3982.—JOHN JERGER and ADOLF ROSSNOW, both of Boulder, Western Australia, Watchmaker and Metallurgist respectively, "*Improved method of ascertaining the money value of bar or bulk gold.*"—Dated 7th August, 1902.

#### Claim:—

The method of ascertaining the money value of bulk gold said method consisting of cutting out of the bulk the sample or value unit of any

predetermined volume by means of a drill having a limit shoulder for controlling its cutting depth and then weighing such value unit in an approved scales having a dial for indicating the corresponding money value of such unit substantially as herein set forth and described.

Specification, 3s.

Application No. 4069.—ALFRED BENJAMIN JACKSON, Saddler; EDWARD REGINALD LUDBROOK, Accountant, and GILBERT COANE JACKSON, Assistant Saddler, all of Tuparo, in the Colony of New Zealand, "*Improvements in rain and draught excluders for doors.*"—Dated 30th September, 1902.

Claims:—

1. A draught excluder consisting of the combination with a door and flooring of a strip fitting into a recess in said flooring and having an upward projection by which it is movable by the door as and for the purposes set forth.

2. In a draught excluder a strip as *d* having an upward projection as *c*, adapted to be operated substantially as set forth.

3. In a draught excluding device, a floor recess adapted to receive a pivoted or like draught excluding strip as hereinbefore described.

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

Application No. 4255—FRANCIS JAMES FLETCHER, of 11 Filey Avenue, Upper Clapton, London, England, Engineer, "*Improvements in and connected with apparatus for filling bottles or other vessels with liquids and stoppering them.*"—Dated 28th January, 1903.

Claims:—

1. In an apparatus for filling bottles or other vessels with liquid and stoppering them, the combination with a head, of a number of filling and stoppering devices of different construction for engaging and filling and stoppering different types of vessels, whereby a number of types of vessels may be filled with a single apparatus substantially as described.

2. In apparatus for filling bottles or other vessels with liquid and stoppering them, the combination with a head, a number of filling and stoppering devices of different construction mounted thereon, for engaging and filling and stoppering different types of vessels, a single bottle stand for supporting a bottle in connection with one of said filling and stoppering devices, said head and said bottle stand being the one rotatable in respect to the other to bring any one of said filling and stoppering devices into operative relation with the bottle stand, substantially as described.

3. In apparatus for filling bottles or other vessels with liquid and stoppering them the combination with a rotatable head, of a number of filling and stoppering devices of different construction carried thereon and constructed to engage and fill and stopper different types of vessels, a permanently located bottle stand adapted to co-operate with any one of said filling and stoppering devices and a locking device for said head for locking it in position when one of said filling and stoppering devices is in operative relation with said head, substantially as described.

4. In apparatus for filling bottles or other vessels with liquids and stoppering them, the combination of a disc or head carrying a number of filling and stoppering devices, of a hollow shaft upon which the said disc is mounted, of passages provided in the disc connecting the hollow shaft with each of the filling and stoppering devices, of a column in which the shaft is rotatably mounted, of a support for the bottles or other vessels, of means for locking the rotatable shaft in position for enabling any one of the filling nozzles to be employed, of a syringing device and of a common shaft for operating the bottle support and the syringing device, substantially as hereinbefore described.

5. In apparatus for filling bottles or other vessels with liquids and stoppering them, the combination of a disc or head carrying a number of filling and stoppering devices, of a hollow shaft upon which the said disc is mounted, of passages provided in the disc connecting the hollow shaft with each of the filling and stoppering devices, of a column in which the shaft is rotatably mounted, of a support for the bottles or other vessels, of means for locking the rotatable shaft in position for enabling any one of the filling nozzles to be employed, of a syringing device, of a common shaft for operating the bottle support and the syringing device, and of means of adjusting the stroke of the piston of the syringing device substantially as described.

6. Apparatus for filling bottles or other vessels with liquids and stoppering them comprising a disc or head carrying a number of filling and stoppering devices, a hollow shaft on which the disc is mounted, a column in which the shaft is rotatably held, an adjustable bottle holder, a syringing device and an aerator, a discharge pipe from the aerator in connection with the hollow shaft and a common shaft for operating the bottle support, syringing device and aerator, substantially as described and illustrated.

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

Application No. 4257.—JOHN CROTHERS, of Parker Street, Perth, Western Australia, Contractor, "*Ferro-granolithic composition for pavements and such like.*"—Dated 29th January, 1903.

Claim:—

A Ferro-granolithic composition for pavements and such like, consisting of the combination of crushed or granulated iron or steel mixed intimately with cement of equal or other approved proportions or parts and substantially as and for the purposes herein set forth and explained.

Specification 2s.

Application No. 4262.—MURRAY CORRINGTON, of 40 Wall Street, New York, in the State of New York, one of the United States of America, Engineer, "*Improvements in Automatic Fluid Pressure Brake Apparatus for Railway Vehicles.*"—Dated 3rd February, 1903.

Claims:—

1. In a fluid pressure brake mechanism, the combination with a triple valve having connections leading to a train pipe, an auxiliary reservoir and a brake cylinder, respectively of a supplemental piston for forcing the triple valve into its normal or release position and a second valve device actuated by an increase of fluid pressure, independently of the movement of the triple valve piston, for varying the pressure on said supplemental piston, whereby the same may be actuated to force the triple valve into its normal or release position.

2. In a fluid pressure brake mechanism, the combination, with a triple valve having connections leading to a train pipe, an auxiliary reservoir and a brake cylinder, respectively of a supplemental piston normally exposed to fluid under pressure, for effecting the movement of the triple valve into the release position, a passage for releasing pressure from one side of said piston and a valve device actuated by an increase of pressure, independently of the movement of the triple valve piston, for controlling said passage.

3. In a fluid pressure brake mechanism, the combination with a triple valve, of a recharging passage for admitting pressure from train pipe to reservoir while the triple valve is in brake-setting position, a supplemental piston for forcing the triple valve into its normal or release position and a secondary valve device actuated by an increase of fluid pressure, independently of the movement of the triple valve piston, for varying the pressures on said supplemental piston, whereby the same may be actuated to force the triple valve into its normal or release position.

4. In a fluid pressure brake mechanism the combination with a triple valve, of a recharging passage for admitting pressure from train pipe to reservoir while the triple valve is in brake-setting position, a supplemental piston normally exposed to fluid under pressure, for effecting the movement of the triple valve into the release position, a passage for releasing pressure from one side of said piston and a valve device actuated by an increase of pressure, independently of the movement of the triple valve piston, for controlling said passage.

5. In a fluid pressure brake mechanism, the combination with a triple valve device, of a recharging passage for admitting pressure from train pipe to reservoir while the triple valve occupies the brake setting position, a valve for controlling said recharging passage and closing the same while brakes are off, and a supplemental valve device actuated by a variation of pressure, independently of the movement of the triple valve piston, for causing the triple valve to move into release position.

6. In a fluid pressure-brake mechanism, the combination with a triple valve, of a supplemental valve, a valve device actuated by a variation of fluid pressure, independently of the movement of the triple valve piston, for controlling by its operation the ultimate movement of the triple valve to release position, and a passage controlled both by the said supplemental valve and by said valve device.

7. In a fluid pressure brake mechanism, the combination with a triple valve, of a recharging passage for admitting pressure from train pipe to reservoir while the triple valve is in the brake-setting position, and ports in the main valve and the graduating valve or the triple valve forming parts of the said recharging passage, whereby said passage is controlled both by the main valve and the graduating valve.

8. In a fluid pressure brake mechanism, the combination with a triple valve device, of a service passage for admitting pressure from reservoir to brake cylinder, a re-charging passage for admitting pressure from train pipe to reservoir while the triple valve is in the brake-setting position and a single valve operated by the triple valve piston for controlling both of said passages, so that one shall be opened while the other is closed, and *vice versa*.

Specification, £1 8s. Drawings on application.

Application No. 4264.—HARRY ARMSTRONG, of William Street, Perth, Western Australia, Sanitary and Electrical Engineer, "*Improvements in Acetylene Gas Generators.*"—Dated 14th February, 1903.

Claims:—

1. In acetylene generators a feed water syphon having double curved terminals as *b2*, and *b3*, and operated by the rise and fall of the dome so causing the carbide feed water to be automatically controlled substantially as and for the purposes herein set forth and explained and as illustrated in the drawings attached hereto.

2. In acetylene generators a chamber as *cl*, having a series of annular walls whereby the gas is made to pass and re-pass through a body of water so causing such gas to be purified and cooled prior to its escape into the dome or reception chamber substantially as and for the purposes herein set forth and explained and as illustrated in the drawings attached hereto.

3. In acetylene generators, carbide cells as *d2*, *d3*, or *d4*, having divisional walls and formed with feed water openings placed at altered levels so that such cell or cells may be attacked either partially or wholly and in a successive or rotation manner substantially as and for the purposes herein set forth and explained and as illustrated in the drawings attached hereto.

4. In acetylene generators, an open chamber as *b1*, fed by and into which dips a syphon as *b2*, said chamber being provided with a down pipe as *cl*, for communicating with a sealed chamber as *c*, substantially as and for the purposes herein set forth and explained and as illustrated in the drawings attached hereto.

5. In acetylene generators, a sealed chamber as *c*, which acts as a water trap against the escape or return of gas from the carbide chamber and provided with a pipe as *c2*, substantially as and for the purposes herein set forth and explained and as illustrated in the drawings attached hereto.

6. In acetylene generators, the general construction and arrangement of parts consisting of a double always ready syphon as *b2*, and *b3*, an annular walled purification chamber as *el*, an intermediate open chamber as *b1*, a sealed or trap chamber as *c*, divisional carbide cells as *d2*, the whole in communication with each other and combined with a water chamber as *a* and a dome as *a1*, substantially as and for the purposes herein set forth and explained and as illustrated in the drawings attached hereto.

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

Application No. 4275.—UNITED SHOE MACHINERY COMPANY, of 205 Lincoln Street, Boston, in the Commonwealth of Massachusetts, United States of America (assignee of Frederick Lyman Alley), "*An improved Apparatus for Waxing Threads and Cords.*"—Dated 10th February, 1903.

Claims:—

1. In apparatus for waxing threads and cords, a wax pot consisting of a hollow vessel having a restricted heating space completely around it substantially as and for the purposes specified.

2. In apparatus for waxing threads and cords, a wax pot consisting of an oval shaped hollow vessel tapering toward the bottom and having a tubular channel passing completely and diametrically around it said channel being in connection with the main chamber of said vessel and jacketed substantially as described and illustrated.

3. In apparatus for waxing threads and cords, a thread guide block having lugs or feathers fitting into tapering slots in its seating, and a vertical rod grooved to engage a slot in a transverse cross bar fastened to the top of the wax pot substantially as described and illustrated.

4. In apparatus for waxing threads and cords, a stripper consisting of two adjustable parts having semi-conical grooves on their curved adjacent faces substantially as described and illustrated.

5. In apparatus for waxing threads and cords, a stripper composed of two sectors keyed on parallel axles and having semi-conical grooves on their curved adjacent faces and means for adjusting same substantially as described and illustrated.

6. In apparatus for waxing threads and cords, a stripper device consisting of two pairs of sectors mounted on parallel axles, one pair having semi-conical grooves on their curved adjacent faces, and the other pair threaded to engage an endless screw on a vertically adjustable rod fitted with a spiral return spring substantially as described and illustrated.

Specification, 15s. Drawings on application.

Application No. 4279.—UNITED SHOE MACHINERY COMPANY, of Paterson, in the State of New Jersey, United States of America (assignee of Benjamin Franklin Mayo), *Improvements in Heel-nailing Machines.*—Dated 12th February, 1903.

Claims:—

1. In a heel-nailing machine the combination of a nail-carrier, a plate D or other receiver for a heel and a top-lift or for either, movable in one direction by the nail-carrier, a spring or weight to oppose such motion, and a detent to retain the plate where placed by the carrier, with or without a releasing device (for example B) operated automatically to move the detent and permit the spring or weight to return said plate for the purpose described.

2. In a heel-nailing machine the combination of a nail-controller, a continuously rotated shaft having a connected disk forming one part of a clutch, a second shaft in line with it and having part of a clutch adapted to co-operate with the clutch part of said continuously rotating shaft, a locking device to hold said second shaft in position to separate said clutch parts leaving said second shaft at rest, means intermediate said second shaft and said nail-controller, to operate the latter, a nail-reverser, and means to start it into operation, said nail-reverser when started acting on said locking device and effecting the release of said second shaft, and means to thereafter effect the engagement of the clutch parts of said shafts in order that the continuously rotating shaft may start the second shaft and actuate the nail-controller substantially as described and illustrated in Figures 8, 9, and 10, of the accompanying drawings.

3. In a heel-nailing machine, a nail-driving mechanism, mechanism for supplying nails including means for causing the nails all to point the same way and for delivering the nails with their points arranged as desired, a nail-carrier to present nails to said driving mechanism, and mechanism under the control of said nail-carrier for causing nails to be delivered directly from the point-arranging mechanism to said nail-carrier.

4. In a heel-nailing machine the combination of mechanism for taking nails having their points arranged indiscriminately and presenting them all pointing the same way, nail-delivering means, nail-driving mechanism, a movable device for transferring nails from the delivering means to the driving mechanism, said device when at or near its receiving position effecting the operation of the delivering means, and means for preventing the operation of the delivering means after the device leaves its nail-receiving position.

5. In a heel-nailing machine the combination of mechanism for taking nails having their points arranged indiscriminately and presenting them all pointing the same way, nail-delivering means, nail-driving mechanism, a movable device for transferring nails from the delivering means to the driving mechanism, said device when at or near its receiving position effecting the operation of the delivering means, a holder for a heel or a top-lift, and means actuated by said transferring device when being moved into position to deliver nails to the driving mechanism to move said holder and put its heel or top-lift receiving portion in line with the nail-driving mechanism.

6. In a heel-nailing machine the combination with a nail-carrier and a gate connected therewith to sustain the ends of the nails in the carrier of a locking device to hold the gate closed to retain nails, and means to depress the gate to release it from the locking device.

7. A movable nail-carrier having a movable gate, means acting normally to open said gate, means to close said gate as the carrier is being moved into nail-receiving position, means to lock said gate in closed position, and means to lock the carrier with the gate closed in nail-receiving position.

8. In a heel-nailing machine the combination of a starting treadle, a controlling lever, a shaft to which it is attached, said shaft having an arm, a second shaft having a lug to at times come under and prevent movement of said arm and its shaft, a nail-carrier, and means connecting said carrier and said shaft having said lug to turn said shaft and lug, substantially as hereinbefore described and illustrated in the accompanying drawing.

9. In a heel-nailing machine, heel-attaching mechanism, a heel-holder having devices to receive a heel, combined with a nail-carrier movable independently of the regular cycle of the machine's operations, from position to receive nails into position to present nails to the heel-attaching mechanism, mechanism to supply the nail-carrier with nails, and means actuated by the nail-carrier when being moved into nail-presenting position for moving the heel-holder to present a heel to the heel-attaching mechanism.

10. In a heel-nailing machine the combination with a series of drivers, means to actuate the same, and a nail-block of a movable heel-holder having also devices to carry a top-lift, means to lock the heel-holder in position with relation to said nail-block while the drivers act to drive the nails from the nail-block into said heel, means to operate after the heel has been attached to the shoe to release the locking device holding the heel-holder, and means such for example as spring 1 to turn said heel-holder to bring the top-lift carrier connected therewith and supplied with a top-lift, into position between said nail-block and the heel, and means to effect a relative movement of said nail-block and heel to attach the top-lift.

11. In a heel-nailing machine, mechanism for attaching a heel to a shoe, mechanism for supplying nails, a nail-carrier movable from position to receive nails from the nail-supplying mechanism into position to deliver nails to the heel-attaching mechanism, means controlled by the said nail-carrier when moving into position to receive nails to cause the nail-supplying mechanism to supply nails thereto automatically, and means to discontinue the operation of the nail-supplying mechanism when the carrier has been supplied with nails.

12. In a heel-attaching machine, means for supporting a shoe in position for a heel to be attached and mechanism for attaching a heel, one of said parts being movable relatively to the other, a heel-holder and a top-lift holder, and means controlled by the movement of said movable part for moving the heel-holder and top-lift holder.

13. In a heel-nailing machine the combination of a movable heel-holder, a movable nail carrier, means actuated thereby to move the said heel-holder into position to put the heel held by it in attaching position, means to lock and retain said holder temporarily in said attaching position, and means to subsequently automatically release said locking means for the purpose described.

Specification, £1 10s. Drawings on application.

Application No. 4280.—CHARLES WALDREN STANTON, Merchant, a citizen of the United States of America and resident of 3:0 St. Anthony Street, in the City of Mobile, County of Mobile, and State of Alabama, one of the United States of America, *Improvement in Condensing apparatus.*—Dated 12th February, 1903.

Claim:—

In an apparatus of the character described, a condenser provided with an outlet, a closed receptacle communicating at its bottom with said outlet and provided with a liquid seal, a discharge pipe communicating with said receptacle and connected to its side near the top thereof, a discharge pipe communicating with said receptacle and connected to its side near the bottom thereof, a filling pipe communicating with said receptacle and connected to the top thereof, a discharge pipe communicating with said receptacle and connected to the top thereof, and a suitable valve for each of said pipes.

Specification, 4s. Drawings on application.

Application No. 4282.—GEORGE WESTINGHOUSE, of Westinghouse Building, Pittsburg, Pennsylvania, United States of America, Manufacturer, *Improvements in Steam Turbines.*—Dated 12th February, 1903.

Claims:—

1. A fluid pressure turbine having a plurality of sets of fixed guide vanes and co-operating moving blades so arranged that the first set of moving blades is actuated by the initial velocity-energy of the propelling fluid and the subsequent sets of blades by the velocity-energy produced by successive expansions of the propelling fluid, substantially as described.

2. A steam turbine provided with a ring of moving blades and a steam inlet chamber having a number of nozzles for expanding the steam to increase its impact velocity arranged so that their orifices practically touch each other forming a continuous opening through which the steam is projected against the working faces of substantially all the blades in the ring at the same time, substantially as described.

3. A steam turbine in which the steam after leaving one set of vanes and blades between which it has expanded is re-heated by a reheating coil, and passes thence to another set of vanes and blades.

4. In a steam turbine a ring comprising a plurality of independently removable segments provided with integral propelling blades.

5. For a steam turbine the improved manner of constructing steam expansion nozzles described with reference to Figures 7 and 8, or to Figures 9 and 10, or to Figures 11 and 14 of the accompanying drawings.

6. Turbines constructed substantially as described with reference to Figures 1 to 16 of the accompanying drawings, either with or without the means for re-heating the steam in its progress through the machine.

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

R. G. FERGUSON,

Registrar of Patents.

### Notice of Application for Amendment.

THE PATENTS ACTS, 1888-1894.

IN the matter of Letters Patent No. 1607, dated 27th April, 1897, by WALTER THEOBALD AMELIUS BERGENHAGEN, of Claremont, Western Australia, Civil Engineer.

Notice is hereby given that the above Walter Theobald Amelius Bergenhausen has applied for leave to amend the complete specification of his invention, alleging for his reasons for so doing:—*"In order that the claims may specifically and exactly set forth what is novel in my invention and in agreement with that as described in the body of the original specification and as illustrated in the drawings."*

The amendments proposed are as follow, viz. (reference being had to amended copy of specification lodged in Patent Office, Perth):—

Pages 3 and 4.

Strike out the whole of the claims and insert the words:—

1. A steam tight chamber which is constructed and provided with a series of tubular frames into which steam is introduced by means of a parent or feed pipe said tubular frames being formed with perforations and so arranged so as to receive and hold nightsoil pans in an inverted position for the subjection to the steam cleansing and purifying process substantially as herein described and set forth and as illustrated in the accompanying drawings.

2. A destructor apparatus for the destruction of nightsoil consisting of a boiler, a feed trap and discharge doors and provided with escape pipes for foul gas and with agitators and scrapers as E which work on and at the bottom of the boiler and operated as shown substantially as herein described and set forth and as illustrated in the accompanying drawings.

3. The combination of the parts as above claimed constituting an apparatus for the destruction of nightsoil and with an apparatus for the disinfection of pans substantially as herein described and set forth 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 20th day of February, 1903.

R. G. FERGUSON,

Registrar of Patents.

### Notice of Application for Amendment.

THE PATENTS ACTS, 1888-1894.

IN the matter of Letters Patent No. 3960, dated 22nd July, 1902, by WILLIAM HENRY GORDON, of 69 Lyons Street, Ballarat, Victoria, Blacksmith and Engineer.

Notice is hereby given that the above William Henry Gordon has applied for leave to amend the complete specification of his invention, alleging as his reasons for so doing:—“*That I am advised the claims could not be substantiated at law and that it is desirable to more correctly and clearly define the scope of the invention.*”

The amendments proposed are as follow, viz. (reference being had to amend copy of specification lodged in Patent Office, Perth):—

Page 1.

Strike out title, and substitute “*Improved means for securing hubs or bosses on rotatable shafts.*”

Page 1, line 8.

Strike out the words “*in the County of Grenville in.*”

Page 1, line 9.

Strike out the word “*the.*” After the word “*Victoria*” insert “*and Commonwealth of Australia.*”

Page 1, line 13.

After the word “*statement*” insert:—“*This invention consists in improved means whereby hubs or bosses may be readily fixed and adjusted on rotatable shafts in such a manner that the strain is distributed over a much greater surface of the shaft than heretofore, and the hub or boss held as firmly and in as true a bed as if shrunk on, whilst at the same time the shaft is not weakened by cutting a key-way therein.*”

Referring to the accompanying drawings:—*Fig. 1 is a vertical transverse section through a hub and shaft showing the parts loose, before the key is inserted; and*

*Fig. 2 is a similar view with the parts locked by the key; whilst*

*Fig. 3 is a side elevation.*”

Page 2, line 1.

After the word “*any*” insert the word “*rotatable.*”

Page 2, line 2.

Strike out the words “*that causes or is caused by the shaft (a) to.*”

Page 2, line 3.

Strike out the word “*revolve.*”

Page 2, line 5.

Strike out the words “*to any extent and for a.*”

Page 2, line 6.

Strike out the words “*distance of*” and insert the words “*for a part of its circumference, preferably.*”

Page 2, line 7.

Strike out the words “*( $\frac{1}{2}$ ) of its circumference.*”

Page 2, lines 8 and 9.

Strike out the whole of lines 8 and 9, and insert the words “*and so that the shaft fits loosely therein.*”

Page 2, line 11.

Before the word “*cut*” insert the word “*is.*”

Strike out the word “*this,*” and insert the word “*said.*”

Page 2, line 12.

Strike out the word “*aforsaid.*”

Strike out the words “*any number,*” and insert the words “*a plurality.*”

Page 2, line 13.

Insert the words “*may be provided,*” and strike out the words “*cut within this said enlargement.*”

Page 2, line 14.

After the word “*(d)*” insert the word “*is.*”

Page 2, line 15.

Strike out the word “*aforsaid.*”

Page 2, lines 16 and 17.

Strike out the whole of lines 16 and 17, and insert the words “*In putting this invention into practice the boss or hub (b) is slipped over.*”

Page 2, line 19.

Strike out the words “*drive home.*”

After the word “*(d)*” insert the word “*driven.*”

Page 2, line 23.

After the word “*position*” insert the words “*In this manner a large bearing and surface is obtained with much more satisfactory results than heretofore.*”

Page 2, line 28.

Strike out the whole of the claims, and insert the words “*Improved means for securing bosses or hubs on rotatable shafts, said means consisting in an otherwise truly bored boss, having a portion of the circumference of its bore enlarged diametrically, and a key way or ways in said enlargement for a locking key or keys substantially as and for the purposes specified and as illustrated in the 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 20th day of February, 1903.

R. G. FERGUSON,

Registrar of Patents.

### Renewal Fees paid on Patents registered from 14th to 21st February, 1903.

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

No. 2488.—British Westinghouse Electric and Manufacturing Co., Ltd.

No. 2493.—British Westinghouse Electric and Manufacturing Co., Ltd.

No. 2494.—British Westinghouse Electric and Manufacturing Co., Ltd.

No. 2495.—British Westinghouse Electric and Manufacturing Co., Ltd.

No. 2500.—British Westinghouse Electric and Manufacturing Co., Ltd.

No. 2512.—British Westinghouse Electric and Manufacturing Co., Ltd.

No. 2517.—British Westinghouse Electric and Manufacturing Co., Ltd.

No. 2540.—British Westinghouse Electric and Manufacturing Co., Ltd.

No. 2594.—British Westinghouse Electric and Manufacturing Co., Ltd.

No. 2609.—British Westinghouse Electric and Manufacturing Co., Ltd.

No. 2619.—British Westinghouse Electric and Manufacturing Co., Ltd.

No. 2620.—British Westinghouse Electric and Manufacturing Co., Ltd.

No. 2506.—F. Fouché.

### Subsequent Proprietors of Patents registered from 14th to 21st February, 1903.

[NOTE.—The names in brackets are those of former proprietors.]

No. 3761.—The Corrugated Surface Condenser Company, Limited [Nicholas, C. E.].

### Applications abandoned

FEBRUARY 14TH—21ST.

Application No. 3827.—JOHN JAMES BILLET LILLINGTON, of 12 Newcastle Street, East Perth, Western Australia, Government Supervisor, and WILLIAM HUTCHINGS, of 11 Newcastle Street, East Perth, Western Australia, Foreman Saddler, “*An improved Riding or Driving Bridle Attachment.*”—Dated 16th April, 1902.

Application No. 3831.—HENRY KENNER CASSEL, of 9 and 11 Worship Street, London, England, Metallurgist, and FRANK LACROIX GARDNER, of 7 and 11 Moorgate Street, London, England, Gentleman, “*Improvements in Electrolytic Apparatus for treating Refractory Ores.*”—Dated 19th April, 1902.

Application No. 383.—SAMUEL WILSON, of Kalgoorlie, in the State of Western Australia, Engineer, “*An improved Smoke Consumer and Fuel Economiser.*”—Dated 19th April, 1902.

## Provisional Specifications Accepted.

Patent Office, Perth, 27th February, 1903.

APPLICATIONS for Letters Patent, accompanied by Provisional Specifications, which have been accepted from 14th to 21st February, 1903 :—

- Application No. 4236.—WILLIAM ATKINSON HARRISON, of Collie, in the State of Western Australia, Medical Practitioner, "An improvement in Briquettes for Fuel."—Dated 12th January, 1903.
- Application No. 4238.—ALBERT EDWARD ROUSE, of 36 May Street, Perth, Western Australia, Pearler, "Pressure Protection Frame for use with Diving Dresses."—Dated 13th January, 1903.
- Application No. 4239.—HARRY GULLIVER, of 411 Chapel Street, South Yarra, near Melbourne, Victoria, Australia, Builder, "An improved Automatic Punkoh for Rocking Chairs."—Dated 13th January, 1903.
- Application No. 4245.—KING CAMP GILLETTE, of 94 Marion Street, Brookline, Massachusetts, U.S.A., Manager, "Improvements in Safety and other Razors."—Dated 15th January, 1903.
- Application No. 4249.—TOM HARRY VICKERY, of No. 21 Hotham Place, Prahran, in the State of Victoria, Commonwealth of Australia, Engineer, "An improved Shell for Cream Separators."—Dated 20th January, 1903.
- Application No. 4250.—JAMES MCGRATH, of Peak Station, Onslow, Western Australia, Pastoralist, "Thumb-rest and Guard Attachment for Sheep-shears."—Dated 23rd January, 1903.
- Application No. 4252.—HARRY PULLIN, of Argent Street, Broken Hill, in the State of New South Wales, in the Commonwealth of Australia, Plumber, "Improvements in Sky-lights."—Dated 27th January, 1903.
- Application No. 4253.—ARTHUR ALLWOOD SPENCER SMITH, of Aberdeen, in the State of New South Wales, Postmaster, "Improvements in Strap-seal Locks."—Dated 27th January, 1903.
- Application No. 4256.—WILLIAM PEMBERTON JARVIE, of 31 Queen Street, Melbourne, Accountant (Assignee of John Storer), "An improved method of Air Purification, specially applicable to the working faces of Mines and Quarries."—Dated 29th January, 1903.
- Application No. 4265.—WALTER JOHN KENSITT, of Station Street, Perth, Western Australia, Manufacturer, "Open-spaced Reversible Wood Mat, principally for bath-rooms, lavatories, and such like."—Dated 5th February, 1903.

R. G. FERGUSON, Registrar of Patents.

## Applications for Patents.

FEBRUARY 14TH TO 21ST.

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

No.	Date.	Name.	Address.	Title.
4284	16th Feb., 1903	Sparrow, R. ( <i>Westinghouse, G.</i> )	Perth, W.A. ...	Improvements in combined spring and frictional resistance devices.
4285	17th Feb., 1903	Snow, F. H. ( <i>Bradbury, T. H.</i> )	Adelaide, S.A. ...	Improvements in rock-drills and in apparatus for forging and sharpening the same.
*4286	17th Feb., 1903	Johnson, J. ... ..	Dunedin, New Zealand	Improved pneumatic foot.
*4287	17th Feb., 1903	Artistic Woodwork Proprietary, Limited (assignee of Smith, H.)	Melbourne, Victoria	Improved process of and combination of materials to be used in decorating woodwork.
*4288	17th Feb., 1903	Johnson, C. A. ... ..	South Buchan, Victoria	An improved coupling for railway rolling-stock and means for operating same.
4289	17th Feb., 1903	Danks, A. T. ... ..	Melbourne, Victoria	An improved tip bucket or drip cistern for automatically flushing drains, urinals, etc.
4290	17th Feb., 1903	Cotton, F. ... ..	Hornsby, N.S.W. ...	An improved apparatus for the utilisation of carbonaceous liquids as fuel.
4291	17th Feb., 1903	Tonkins, J. E.; Ames, W.; and Nicolle, W. E. H.	Camperdown, Sydney, and Beecroft, N.S.W.	An improved means to secure the fastenings of railway or tramway rails at the joints.
4292	17th Feb., 1903	Turner, H. ... ..	Koolunga, S.A. ...	Improvements in bolts, locking devices, applicable in Thill couplings.
4293	17th Feb., 1903	Foster, G. J. ... ..	Balmain, N.S.W. ...	Apparatus for economising fuel and minimising smoke in steam boiler furnaces and the like.
4294	17th Feb., 1903	Broken Hill Proprietary Co., Ltd. (assignee of Delprat, G. D.)	Melbourne, Victoria	Improved apparatus for use in certain processes for the extraction of sulphides from ores.
4295	17th Feb., 1903	Alston, J. ... ..	South Melbourne, Victoria	An improved motion changing gear for windmills.
4296	17th Feb., 1903	Laing, E. H. B., and Clarke, G. W.	London, England ...	A combined bandolier and waist belt rifle-carrier.
*4297	19th Feb., 1903	Grant, J. M. ... ..	Wanneroo, W.A. ...	Crushed hay.
*4298	20th Feb., 1903	Bowen, T. ... ..	Fremantle, W.A. ...	Appliance for holding fast the trucks on mining cages.
*4299	21st Feb., 1903	Crawford, B. ... ..	Auckland, New Zealand	Improved means for silencing the exhaust of gas and other explosive engines.

## Index of Applicants for Patents.

FEBRUARY 14TH—21ST.

Name.	Title.	No.	Date.
Alston, J. ... ..	An improved motion-changing gear for windmills ...	4295	17th Feb., 1903
Ames, W. ... ..	<i>Vide</i> Tonkins, J. E.; Ames, W.; and Nicolle, W. E. H. ...	4291	17th Feb., 1903
Artistic Woodwork Proprietary, Ltd. (assignee of Smith, H.)	Improved process of and combination of materials to be used in decorating woodwork	4287	17th Feb., 1903
Bowen, T. ... ..	Appliance for holding fast the trucks on mining cages ...	4298	20th Feb., 1903
Bradbury, T. H. ... ..	<i>Vide</i> Snow, F. H. ... ..	4285	17th Feb., 1903
Broken Hill Proprietary Company, Limited (Assignee of Delprat, G. D.)	Improved apparatus for use in certain processes for the extraction of sulphides from ores	4294	17th Feb., 1903
Clarke, G. W. ... ..	<i>Vide</i> Laing, E. N. B. ... ..	4296	17th Feb., 1903
Cotton, F. ... ..	An improved apparatus for the utilisation of carbonaceous liquids as fuel	4290	17th Feb., 1903
Crawford, B. ... ..	Improved means for silencing the exhaust of gas and other explosive engines	4299	21st Feb., 1903
Danks, A. T. ... ..	An improved tip bucket or drip cistern for automatically flushing drains, urinals, etc.	4289	17th Feb., 1903
Delprat, G. D. ... ..	<i>Vide</i> Broken Hill Proprietary Company, Limited ...	4294	17th Feb., 1903
Foster, G. J. ... ..	Apparatus for economising fuel and minimising smoke in steam boiler furnaces and the like	4293	17th Feb., 1903
Grant, J. M. ... ..	Crushed hay ... ..	4297	19th Feb., 1903
Johnson, C. A. ... ..	An improved coupling for railway rolling-stock and means for operating same	4288	17th Feb., 1903
Johnson, J. ... ..	Improved pneumatic foot ... ..	4286	17th Feb., 1903
Laing, E. N. B., and Clarke, G. W. ...	A combined bandolier and waist belt rifle-carrier ...	4296	17th Feb., 1903
Nicolle, W. E. H. ... ..	<i>Vide</i> Tonkins, J. E.; Ames, W.; and Nicolle, W. E. H. ...	4291	17th Feb., 1903
Smith, H. ... ..	<i>Vide</i> Artistic Woodwork Proprietary, Limited ...	4287	17th Feb., 1903
Snow, F. H. ( <i>Bradbury, T. H.</i> ) ...	Improvements in rock drills and in apparatus for forging and sharpening the same	4285	17th Feb., 1903
Sparrow R. ( <i>Westinghouse, G.</i> ) ...	Improvements in combined spring and frictional resistance devices	4284	16th Feb., 1903
Tonkins, J. E.; Ames, W.; and Nicolle, W. E. H.	An improved means to secure the fastenings of railway or tramway rails at the joints	4291	17th Feb., 1903
Turner, N. ... ..	Improvements in bolt locking devices, applicable in Thill couplings	4292	17th Feb., 1903
Westinghouse, G. ... ..	<i>Vide</i> Sparrow, R. ... ..	4284	16th Feb., 1903

## Index of Subjects of Patents Applications.

FEBRUARY 14TH—21ST.

Title.	Name.	No.	Date.
Bandolier ... ..	Laing, E. H. B., and Clarke, G. W. ... ..	4296	17th Feb., 1903
Cages (mining) ... ..	<i>Vide</i> Trucks (appliance for holding) ... ..	4298	20th Feb., 1903
Carbonaceous Liquids ... ..	Cotton, F. ... ..	4290	17th Feb., 1903
Couplings (Thill) ... ..	<i>Vide</i> Locking devices ... ..	4292	17th Feb., 1903
Couplings ... ..	Johnson, C. A. ... ..	4288	17th Feb., 1903
Crushed Hay ... ..	Grant, J. M. ... ..	4297	19th Feb., 1903
Decorating Woodwork ... ..	Artistic Woodwork Proprietary, Ltd. ... ..	4287	17th Feb., 1903
Drains (flushing) ... ..	Danks, A. T. ... ..	4289	17th Feb., 1903
Drills ... ..	<i>Vide</i> Rock Drills ... ..	4285	17th Feb., 1903
Drip Cisterns ... ..	<i>Vide</i> Drains (flushing) ... ..	4289	17th Feb., 1903
Engines (explosive) ... ..	<i>Vide</i> Silencing exhaust of gas ... ..	4299	21st Feb., 1903
Fastenings (rails) ... ..	Tonkins, J. E.; Ames, W.; and Nicolle, W. E. H. ...	4291	17th Feb., 1903
Friction Resistance Device ... ..	<i>Vide</i> Springs (resistance device) ... ..	4284	16th Feb., 1903
Fuel ... ..	<i>Vide</i> Carbonaceous liquids ... ..	4290	17th Feb., 1903
Gas ... ..	<i>Vide</i> Silencing exhaust of gas ... ..	4299	21st Feb., 1903
Hay ... ..	<i>Vide</i> Crushing Hay ... ..	4297	19th Feb., 1903
Locking Devices (applied to Thill Couplings)	Turner, H. ... ..	4292	17th Feb., 1903
Mining Cages ... ..	<i>Vide</i> Trucks (appliance for holding) ... ..	4298	20th Feb., 1903
Pneumatic Foot ... ..	Johnson, J. ... ..	4286	17th Feb., 1903
Rock Drills ... ..	Snow, F. H. ( <i>Bradbury, T. H.</i> ) ... ..	4285	17th Feb., 1903
Silencing Exhaust of Gas ... ..	Crawford B. ... ..	4299	21st Feb., 1903
Smoke (prevention of) ... ..	Foster, G. J. ... ..	4293	17th Feb., 1903
Springs (resistance device) ... ..	Sparrow, R. ( <i>Westinghouse, G.</i> ) ... ..	4284	16th Feb., 1903
Sulphides (extraction from ores)	Broken Hill Proprietary Co., Ltd. (assignee of Delprat, G. D.)	4294	17th Feb., 1903
Tip Buckets ... ..	<i>Vide</i> Drains (flushing) ... ..	4289	17th Feb., 1903
Trucks (appliance for holding) ...	Bowen, T. ... ..	4298	20th Feb., 1903
Waist Belt (military) ... ..	<i>Vide</i> Bandolier ... ..	4296	17th Feb., 1903
Windmills (motion changing gear for)	Alston, J. ... ..	4295	17th Feb., 1903
Woodwork ... ..	<i>Vide</i> Decorating Woodwork ... ..	4287	17th Feb., 1903

Index of Patentees.

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Name.	Title.	No.	Date.	Gazette.		
				Date.	No.	Page.
Campbell, J. D. ... ..	<i>Vide</i> Evans, W. J., and Campbell, J. D.	4056	24th Sept., 1902	10th Oct., 1902	41	4061
Cassel, H. R. ... ..	A process and apparatus for the extraction of precious metals from ores and compounds containing them	3450	3rd July, 1901	10th Oct., 1902	50	4581
Evans, W. J., and Campbell, J. D.	Improvements in or relating to dredge buckets	4056	24th Sept., 1902	10th Oct., 1902	41	4061
Gresham, H. E. ... ..	<i>Vide</i> Vacuum Brake Co., Ltd. ... ..	4107	31st Oct., 1902	12th Dec., 1902	50	4582
Gresham, J. ... ..	<i>Vide</i> Vacuum Brake Co., Ltd. ... ..	4104	31st Oct., 1902	12th Dec., 1902	50	4582
Ingersoll Sergeant Drill Co.	<i>Vide</i> Waters, E., jun. ... ..	4102	29th Oct., 1902	12th Dec., 1902	50	4581
Kiernan, G. ... ..	<i>Vide</i> Vacuum Brake Co. ... ..	4107	31st Oct., 1902	12th Dec., 1902	50	4582
Lowrey, L. E. ... ..	<i>Vide</i> Thies, C. A., and Lowrey, L. E. ...	4109	4th Nov., 1902	12th Dec., 1902	50	4582
Parsons, Hon. C. A. ... ..	Improvements in condensers working in conjunction with air pumps	4105	31st Oct., 1902	12th Dec., 1902	50	4582
Prellwitz, W. ... ..	<i>Vide</i> Waters, E., jun. ... ..	4102	29th Oct., 1902	12th Dec., 1902	50	4581
Taylor, E. H. ... ..	A battery shank weight for increasing the dropping weight of stampers	4083	13th Oct., 1902	12th Dec., 1902	50	4581
Thies, C. A., and Lowrey, L. E.	Improved attachments for incandescent gas and other lamps specially applicable for advertising purposes	4109	4th Nov., 1902	12th Dec., 1902	50	4582
Vacuum Brake Co., Ltd. (Gresham, J., Gresham, H. E., and Kiernan, G.)	Improvements in vacuum brake apparatus for railway and like vehicles	4104	31st Oct., 1902	12th Dec., 1902	50	4582
Wainwright, H. S. ... ..	Improvements in the construction and arrangement in locomotive engines of draught-promoting and spark-arresting devices	4103	31st Oct., 1902	12th Dec., 1902	50	4581
Waters, E., jun. (Ingersoll Sergeant Drill Co., Assignee of Prellwitz, W.)	Improvements in regulators for air compressors	4102	29th Oct., 1902	12th Dec., 1902	50	4581
Winepress, J. ... ..	Appliance to be used in opening oysters	4072	3rd Oct., 1902	10th Oct., 1902	41	4061

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Title.	Name.	No.	Date.	Gazette.		
				Date.	No.	Page.
Advertising ... ..	<i>Vide</i> Lamp Attachment ... ..	4109	4th Nov., 1902	12th Dec., 1902	50	4582
Air compressors (regulators for)	Waters, E., jun. ... ..	4102	29th Oct., 1902	12th Dec., 1902	50	4581
Air pumps ... ..	<i>Vide</i> Condensers ... ..	4105	31st Oct., 1902	12th Dec., 1902	50	4582
Brakes (vacuum) ... ..	<i>Vide</i> Vacuum Brakes ... ..	4104	31st Oct., 1902	12th Dec., 1902	50	4582
Buckets ... ..	<i>Vide</i> Dredge Buckets ... ..	4056	24th Sept., 1902	10th Oct., 1902	41	4061
Condensers ... ..	Parsons, Hoble, C. A. ... ..	4105	31st Oct., 1902	12th Dec., 1902	50	4582
Draught-promoting Device ...	<i>Vide</i> Spark-arresters ... ..	4103	31st Oct., 1902	12th Dec., 1902	50	4581
Dredge Buckets ... ..	Evans, W. J., and Campbell, J. D.	4056	24th Sept., 1902	10th Oct., 1902	41	4061
Engines (locomotive) ... ..	<i>Vide</i> Spark-arresters ... ..	4103	31st Oct., 1902	12th Dec., 1902	50	4581
Extracting Metals ... ..	Cassel, H. R. ... ..	3450	3rd July, 1902	10th Oct., 1902	41	4061
Lamp Attachment ... ..	Thies, C. A., and Lowrey, L. E.	4109	4th Nov., 1902	12th Dec., 1902	50	4582
Metals ... ..	<i>Vide</i> Extracting Metals ... ..	3450	3rd July, 1902	10th Oct., 1902	41	4061
Ores ... ..	<i>Vide</i> Extracting Metals ... ..	3450	3rd July, 1902	10th Oct., 1902	41	4061
Oyster-opener ... ..	Winepress, J. ... ..	4072	3rd Oct., 1902	10th Oct., 1902	41	4061
Spark-arresters ... ..	Wainwright, D. H. S. ... ..	4103	31st Oct., 1902	12th Dec., 1902	50	4581
Stampers (Battery Shank, Weights for)	Taylor, E. H. ... ..	4083	13th Oct., 1902	12th Dec., 1902	50	4581
Vacuum brakes ... ..	Vacuum Brake Co., Ltd. ... ..	4104	31st Oct., 1902	12th Dec., 1902	50	4582

## Trade Marks.

Patent Office, Trade Marks Branch,  
Perth, 27th February, 1903.

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

Any person or persons intending to oppose such applications must leave particulars in writing, in duplicate (on Form F), of his or their objections thereto, within two calendar months from the date of this *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.

R. G. FERGUSON,  
Registrar of Designs and Trade Marks.

Application No. 2722, dated 10th February, 1903.—CAMERON BROTHERS & COMPANY, of Brunswick Street, Brisbane, in the State of Queensland, Commonwealth of Australia, Manufacturers, to register in Class 45, in respect of Tobacco, whether manufactured or unmanufactured, a Trade Mark, of which the following is a representation:—



Application No. 2727, dated 12th February, 1903.—SIR ISAAC PITMAN and SONS, Limited, of The Phonetic Institute, Bath, in the County of Somerset, England, Shorthand and General Publishers and Printers, to register in Class 39 in respect of Books, a Trade Mark, of which the following is a representation:—



Sir Isaac Pitman & Sons, Ltd.

The essential particulars of the Trade Mark are:—The words "Pitman's Shorthand" and the facsimile signature "Isaac Pitman" displayed upon a parallelogrammic panel having a rectangular notch at each corner; the upper and lower portions of the panel containing scroll designs of leaf-like character and the whole being enclosed in a double line border.

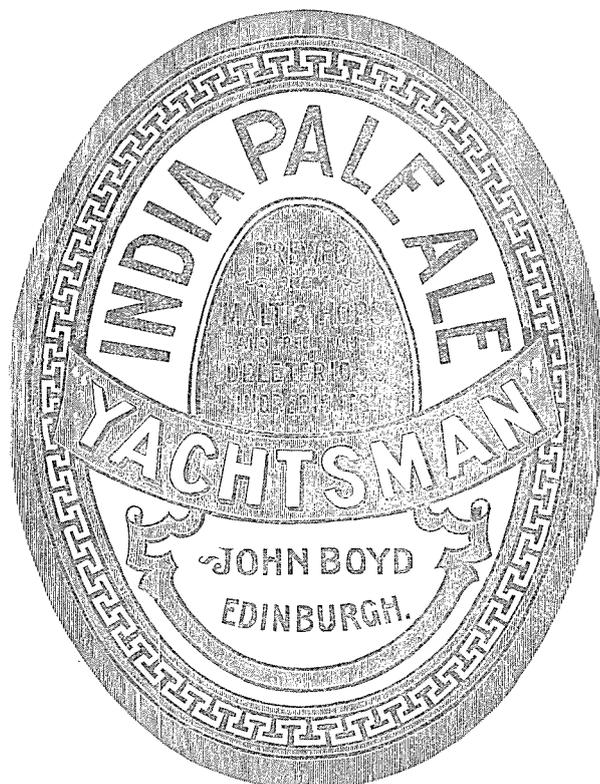
Application No. 2728, dated 13th February, 1903.—W. BALCHIN, LIMITED, of Henry Street, Fremantle, Western Australia, to register in Class 43, in respect of Fermented

Liquors and Spirits, a Trade Mark, of which the following is a representation:—



The essential particular of the above mark consists of the distinctive label.

Application No. 2729, dated 13th February, 1903.—W. BALCHIN, LIMITED, of Henry Street, Fremantle, Western Australia, to register in Class 43, in respect of Fermented Liquors and Spirits, a Trade Mark, of which the following is a representation:—



The essential particular of the above Mark consists of the distinctive label.

Application No. 2730, dated 17th February, 1903.—  
 BOOTH'S DISTILLERY, LIMITED, of 55 Cow Cross Street,  
 London, England, Distillers, to register in Class 43, in  
 respect of Fermented Liquors and Spirits, a Trade Mark, of  
 which the following is a representation:—

**FELIXIR.**

Renewal Fee paid on Trade Marks from 14th  
 to 21st February.

No. 218.—William Cameron, Brothers, and Company,  
 Limited.

Alphabetical List of Registrants of Trade Marks.

FEBRUARY 14TH—21ST.

Name.	Goods.	Class.	No.	Date.	Gazette.		
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Aermotor Co., Ltd. ....	Windmills ... ..	6	2600	4th Oct., 1902	50	12th Dec., 1902	4586
Bolton, F. G., and Turner, D. L.	Chemical substances prepared for use in medicine and pharmacy	3	2661	4th Dec., 1902	50	12th Dec., 1902	4587
Field & Co. ... ..	Chemical substances used for agri- cultural, horticultural, veterinary, and sanitary purposes, such as manures	2	2646	28th Nov., 1902	50	12th Dec., 1902	4586
Field & Co. ... ..	Raw or partly prepared vegetable, animal, and mineral substances used in manufactures, such as seeds	4	2647	28th Nov., 1902	50	12th Dec., 1902	4586
Field & Co. ... ..	Substances used as food or as in- gredients in food	42	2648	28th Nov., 1902	50	12th Dec., 1902	4586
Field & Co. ... ..	Tarpaulins, tents, rick cloths and covers, rope, twine and cordage	50*	2649	28th Nov., 1902	50	12th Dec., 1902	4586
Hart Lawrence & Com- pany Proprietary, Ltd.	Cigars, tobacco, cigarettes, and all articles pertaining to tobacco in such class	45	2619	21st Oct., 1902	50	12th Dec., 1902	4586
Lever Bros., Ltd. ...	Common soap and all other articles in Class 47	47	2657	3rd Dec., 1902	50	12th Dec., 1902	4587
Lever Bros., Ltd. ...	Common soap and all other articles in Class 47	47	2658	3rd Dec., 1902	50	12th Dec., 1902	4587
Lever Bros., Ltd. ...	Perfumed soap and all other articles in Class 48	48	2659	3rd Dec., 1902	50	12th Dec., 1902	4587
Lever Bros., Ltd. ...	Common soap and all other articles in Class 47	47	2660	3rd Dec., 1902	50	12th Dec., 1902	4587
Monger's West Australian Stores, Ltd.	Fencing wire and galvanized sheet iron	5	2639	19th Nov., 1902	50	12th Dec., 1902	4586
Monger's West Australian Stores, Ltd.	Horseshoes (metal) ... ..	13	2640	19th Nov., 1902	50	12th Dec., 1902	4586
Monger's West Australian Stores, Ltd.	Portland cement ... ..	17	2645	27th Nov., 1902	50	12th Dec., 1902	4586
Tooth & Co., Ltd. ...	Ale, beer, lager beer, stout, cider, and fermented liquors generally	43	2655	3rd Dec., 1902	50	12th Dec., 1902	4587
Tooth & Co., Ltd. ...	Ginger beer, ginger ale, hop beer, botanic beer, lemonade, spa water, soda water, lethia water, mineral and aerated waters, natural and artificial generally	44	2656	3rd Dec., 1902	50	12th Dec., 1902	4587
Turner, D. L. ... ..	<i>Vide</i> Bolton & Turner ... ..	3	2661	4th Oct., 1902	50	12th Dec., 1902	4587
Welsbach Light Co. of Australasia, Ltd.	Incandescent mantles ... ..	18	2662	4th Dec., 1902	50	12th Dec., 1902	4587

\* Subsection 7.

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

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Goods.	Name.	No.	Date.	Class.	Gazette.		
					No.	Date.	Page.
Agricultural ...	<i>Vide</i> Chemical Substances ...	2646	28th Nov., 1902	2	50	12th Dec., 1902	4586
Ale ...	Tooth & Co., Ltd. ...	2655	3rd Dec., 1902	43	50	12th Dec., 1902	4587
Ale (Ginger) ...	<i>Vide</i> Beer (Ginger) ...	2656	3rd Dec., 1902	44	50	12th Dec., 1902	4587
Annual Substances ...	<i>Vide</i> Vegetable Substances ...	2647	28th Nov., 1902	4	50	12th Dec., 1902	4586
Beer ...	<i>Vide</i> Ale ...	2655	3rd Dec., 1902	43	50	12th Dec., 1902	4587
Beer (Botanic) ...	<i>Vide</i> Beer (Ginger) ...	2656	3rd Dec., 1902	44	50	12th Dec., 1902	4587
Beer (Ginger) ...	Tooth & Co., Ltd. ...	2656	3rd Dec., 1902	44	50	12th Dec., 1902	4587
Beer (Hop) ...	<i>Vide</i> Beer (Ginger) ...	2656	3rd Dec., 1902	44	50	12th Dec., 1902	4587
Cement (Portland) ...	Monger's West Australian Stores, Ltd.	2645	27th Nov., 1902	17	50	12th Dec., 1902	4586
Chemical Substances	Bolton, F. G., and Turner, D. L. ...	2661	4th Dec., 1902	3	50	12th Dec., 1902	4587
Chemical Substances	Field & Co. ...	2646	28th Nov., 1902	2	50	12th Dec., 1902	4586
Cider ...	<i>Vide</i> Ale ...	2655	3rd Dec., 1902	43	50	12th Dec., 1902	4587
Cordage ...	<i>Vide</i> Tarpaulins ...	2649	28th Nov., 1902	*50	50	12th Dec., 1902	4586
Covers ...	<i>Vide</i> Tarpaulins ...	2649	28th Nov., 1902	*50	50	12th Dec., 1902	4586
Cigarettes ...	<i>Vide</i> Cigars ...	2619	21st Oct., 1902	45	50	12th Dec., 1902	4586
Cigars ...	Hart, Lawrence, & Co. Proprietary, Ltd.	2619	21st Oct., 1902	45	50	12th Dec., 1902	4586
Fermented Liquors ...	<i>Vide</i> Ale ...	2655	3rd Dec., 1902	43	50	12th Dec., 1902	4587
Food Substances ...	Field & Co. ...	2648	28th Nov., 1902	42	50	12th Dec., 1902	4586
Horseshoes (Metal) ...	Monger's West Australian Stores, Ltd.	2640	19th Nov., 1902	13	50	12th Dec., 1902	4586
Horticultural ...	<i>Vide</i> Chemical Substances ...	2646	28th Nov., 1902	2	50	12th Dec., 1902	4586
Iron (Galvanised, Sheet)	<i>Vide</i> Wire (Fencing) ...	2639	19th Nov., 1902	13	50	12th Dec., 1902	4586
Lager Beer ...	<i>Vide</i> Ale ...	2655	3rd Dec., 1902	43	50	12th Dec., 1902	4587
Lemonade ...	<i>Vide</i> Beer (Ginger) ...	2656	3rd Dec., 1902	44	50	12th Dec., 1902	4587
Mantles (Incandescent)	Welsbach Light Co. of Australasia, Ltd.	2662	4th Dec., 1902	18	50	12th Dec., 1902	4587
Manures ...	<i>Vide</i> Chemical Substances ...	2646	28th Nov., 1902	2	50	12th Dec., 1902	4586
Medicine ...	<i>Vide</i> Chemical Substances ...	2661	4th Dec., 1902	3	50	12th Dec., 1902	4587
Mineral Substances ...	<i>Vide</i> Vegetable Substances ...	2647	28th Nov., 1902	4	50	12th Dec., 1902	4586
Pharmacy ...	<i>Vide</i> Chemical Substances ...	2661	4th Dec., 1902	3	50	12th Dec., 1902	4587
Rick Cloths ...	<i>Vide</i> Tarpaulins... ..	2649	28th Nov., 1902	*50	50	12th Dec., 1902	4586
Rope ...	<i>Vide</i> Tarpaulins... ..	2649	28th Nov., 1902	*50	50	12th Dec., 1902	4586
Sanitary Substances	<i>Vide</i> Chemical Substances ...	2646	28th Nov., 1902	2	50	12th Dec., 1902	4586
Seeds ...	<i>Vide</i> Vegetable Substances ...	2647	28th Nov., 1902	4	50	12th Dec., 1902	4586
Soap (Common) ...	Lever Bros., Ltd. ...	2660	3rd Dec., 1902	47	50	12th Dec., 1902	4587
Soap (Common) ...	Lever Bros., Ltd. ...	2657	3rd Dec., 1902	47	50	12th Dec., 1902	4587
Soap (Common) ...	Lever Bros., Ltd. ...	2658	3rd Dec., 1902	47	50	12th Dec., 1902	4587
Soap (Perfumed) ...	Lever Bros., Ltd. ...	2659	3rd Dec., 1902	47	50	12th Dec., 1902	4587
Stout ...	<i>Vide</i> Ale ...	2655	3rd Dec., 1902	43	50	12th Dec., 1902	4587
Tarpaulins ...	Field & Co. ...	2649	28th Nov., 1902	*50	50	12th Dec., 1902	4586
Tents ...	<i>Vide</i> Tarpaulins... ..	2649	28th Nov., 1902	*50	50	12th Dec., 1902	4586
Tobacco ...	<i>Vide</i> Cigars ...	2619	21st Oct., 1902	45	50	12th Dec., 1902	4586
Twine ...	<i>Vide</i> Tarpaulins... ..	2649	28th Nov., 1902	*50	50	12th Dec., 1902	4586
Vegetable Substances	Field & Co. ...	2647	28th Nov., 1902	4	50	12th Dec., 1902	4586
Veterinary ...	<i>Vide</i> Chemical Substances ...	2646	28th Nov., 1902	2	50	12th Dec., 1902	4586
Water (Spa, Soda, Lithia, Mineral and Aerated, Natural and Artificial)	<i>Vide</i> Beer (Ginger) ...	2656	3rd Dec., 1902	44	50	12th Dec., 1902	4587
Windmills ...	Aermotor Company ...	2600	4th Oct., 1902	6	50	12th Dec., 1902	4586
Wire (fencing) ...	Monger's West Australian Stores, Limited	2639	19th Nov., 1902	13	50	12th Dec., 1902	4586

\* Subsection 7.