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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,
20th 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. 4033.—THOMAS NARROWAY, of Pennington Terrace, North Adelaide, in the State of South Australia, in the Commonwealth of Australia, Machinist, "*Improvements in the manufacture of the Rims of Horse Collars.*"—Dated 9th September, 1902.

Claims:—

1. In the manufacture of the rims of horse collars provided with a rod or bar of iron or other metal at the throat and stuffed by a machine-operated stuffing rod working between stationary guides, the arrangement of such rod or bar within the casing of the rim so that during the stuffing operation it will lie on one side of the said guides and when the rim is completed such rod or bar will be between the stuffing and the leather casing, substantially as herein described.

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

Application No. 4231.—JAMES AUGUSTUS MITCHELL and WILLIAM DUNCAN, both of Kalgoorlie, Western Australia, Engineers, "*Improvements in Concentrating Machines.*"—Dated 6th January, 1903.

Claims:—

1. In ore concentrating machines:—A circular pan as *a*, formed with oppositely inclined bottoms as *a*¹, and having discharge near its periphery as at *a*², said pan being carried by a vertical tubular and central discharge spindle as *a*³, substantially as herein described and explained and as illustrated in the attached drawings.

2. In ore concentrating machines:—A tubular spindle as *a*², to which is imparted an intermittently rotary, and stop and start motion by means of frictional contact drums as *e* and *e*¹, and keyed on said spindle and immediately actuated by toggles as *e*² and friction blocks as *e*³, and rims *e*⁴ and *e*⁵, all held together by a collar as *e*⁶, loosely surrounding the boss *e*⁷ of the drum said collar being connected to an adjustment crank and connecting gear as *d* to *d*¹, substantially as herein described and explained and as illustrated in the attached drawings.

3. In ore concentrating machines:—A tubular spindle as *a*², to which is imparted an intermittently rotary and stop and start motion by means of frictional contact drums as *g*², being directly operated by the integral arms as *g*³, and said drums by means of blocks *g*⁴, and toggles *g*⁵, imparting intermittent motion to boss *g*, and thereby to the hollow shaft *a*², substantially as herein described and set forth and as illustrated in Figures 5 and 6 of the attached drawings.

4. In ore concentrating machines:—A tubular spindle as *a*², to which is imparted an intermittently rotary and stop and start motion by means of frictional contact drums as *h*, operated by the arms *h*¹, and being formed with recesses as *h*², and provided with wedges and springs

*h*³, for gripping the inner drum *h*⁴, and which latter is secured to shaft *a*², substantially as herein described and set forth and as illustrated in Figures 7 and 8 of the attached drawings.

5. In ore concentrating machines the peripheral discharge as *a*⁵, controlled by a valve as *f*, mounted on the end of a pivoted lever as *f*¹, said lever having a friction roller as *f*³, whereby it rides on a swash or tilt ring as *f*⁴, having an inclined face and said lever *f*¹ being maintained at the position by the spring *f*⁵, and operated by a hand lever *f*⁷, and quadrant *f*⁸, substantially as herein set forth and explained and as illustrated in Figures 1 to 4 of the attached drawings.

6. An ore concentrating machine having its various parts constructed combined and arranged substantially as herein described and explained and as illustrated in the attached drawings.

Specification, 14s. Drawings on application.

Application No. 4240.—WILLIAM LEONARD HOLMES and LEONARD MELVILL GREENE, Engineers, of Guanajuato, Mexico, "*Method of and apparatus for Separating Solids from Liquids.*"—Dated 13th January, 1903.

Claims:—

1. The process of separating liquids and solids herein described, which consists in maintaining in the body of a mixture of said liquids and solids a layer or zone of a different liquid, as a filtering medium through which the solid matter may settle.

2. The process of separating liquids and solids herein described, which consists in maintaining below a mixture of such liquids and solids a body of a different liquid, such as water, and permitting the solid matter to settle out of the original mixture through the latter, as set forth.

3. The process of separating liquids and solids herein described, which consists in introducing into a body of a mixture of such liquids and solids while settling, a stream of a different liquid, and thereby maintaining a layer or zone of such liquid to intercept the passage of the original liquid, while permitting the solid matter to descend into the settling chamber, as set forth.

4. The process of separating liquids and solids herein described, which consists in introducing into the body of the pulp or mixture of liquids and solids, while settling, a stream of water and thereby maintaining a layer or zone of water in the mixture, and withdrawing the original liquid from above and the sediment from below said zone, as set forth.

5. The process of separating liquids and solids herein described, which consists in introducing into the body of the pulp or mixture of liquids and solids while settling, a stream of water and thereby maintaining a layer or zone of water in the mixture, withdrawing the original liquid from above and the sediment from below said zone, diluting the sediment, and separating the solid from the liquid constituents of such mixture by repeating the process, as above set forth.

6. In an apparatus for separating the liquid and solid constituents of mixtures of the kind described, the combination with a settling tank of a conveyer for removing the sediment from the settling chamber, and means for introducing a liquid, such as water, into the tank above the settling chamber so as to maintain a layer or zone of the same in the body of the mixture, as set forth.

7. The combination with a settling tank, a conveyer for removing the sediment from the bottom of the same, and pipe containing a series of inlet orifices arranged in the tank above the settling chamber therein, and connections from said pipe to a water supply.

Specification, 12s. Drawings on application.

Application No. 4241.—GEORGE GARIBALDI TURRI, of Salisbury Building, Queen Street, Melbourne, in the State of Victoria, Patent Agent (*Bryan Tully*), "*Improvements in Barrel Filters.*"—Dated 13th January, 1903.

Claims:—

1. A filter of the class described, comprising a rotatable barrel provided with an acid proof lining arranged in intimate contact with the interior of the barrel for preventing the solvent coming in contact with the barrel, and filters formed in the body of the lining, said barrel being apertured at the points where the filters are located, substantially as described.

2. A filter of the class described, comprising a rotatable barrel provided with a lead lining, the body of the barrel being provided with outlets and the lining being perforated opposite said outlets, substantially as described.

3. A filter of the class described, comprising a rotatable barrel provided with a lead lining, the body of the barrel being provided with apertures and the lining being perforated opposite said apertures, a launder arranged on the exterior of the barrel and provided with a plurality of branch pipes, said branch pipes, at their inner ends, being fitted in said apertures and connected to the lead lining about said perforations, substantially as described.

4. A filter of the class described, comprising a rotatable barrel provided with a lead lining, the body of the barrel being provided with apertures and the lining being perforated opposite said apertures, a lead launder arranged on the exterior of the barrel and provided with a plurality of lead branch pipes, said branch pipes at their inner ends being fitted in said apertures and connected to the lead lining about said perforations, substantially as described.

5. A filter of the class described, comprising a rotatable barrel provided with a lead lining, a lead launder arranged on the exterior of the barrel, a plurality of laterally projecting branch pipes, said pipes at one end being fused to the launder and at their ends extending through the shell or body of the barrel and fused to the lead lining, the lead lining being perforated at the points where the branch pipes are connected to it, substantially as described.

6. A filter of the class described, comprising a rotatable barrel provided with a lead lining, a launder arranged on the exterior of the barrel and parallel to the longitudinal axis of the latter, branch pipes connected at their outer ends to the launder, and extending at their inner ends through the body of the barrel and united to the lead lining, said lead lining opposite the inner ends of each of said branch pipes being provided with a circular series of perforations, substantially as described.

7. A filter of the class described, comprising a rotatable barrel provided with an acid-proof protective lining in direct contact with the interior of the barrel, and filters formed in the body or said lining, said lining being impervious to the solution at all points excepting those wherein the filters are located, substantially as described.

8. A filter of the class described, comprising a rotatable barrel, an acid-proof lining fitted within said barrel and in close contact with the interior thereof, filters formed in the body of the lining, said barrel having apertures opposite the filters, and a launder arranged exteriorly of the barrel and in communication with the filters, substantially as described.

9. A filter of the class described, comprising a rotatable cylindrical barrel, and an acid-proof protective lining arranged in contact with the barrel, a filter located within the body of said lining and a launder arranged exteriorly of the barrel and connected with said filter, substantially as described.

10. A filter of the class described, comprising a cylindrical rotatable barrel provided with an acid-proof lining closely conforming to the interior of the barrel and provided with a plurality of circular series of perforations, pipes, secured at the inner ends to the lining about the circular series of perforations, and a launder arranged on the exterior of the barrel and connected to all of said pipes, for the purpose specified.

Specification, 11s. Drawings on application.

Application No. 4242.—THOMAS JOHNSON BRITTEN, residing on the property of the Wolhuter Gold Mining Company, Limited, Witwatersrand Goldfields, Colony of Transvaal, Mine Manager, "*Improvements in apparatus for laying or settling the dust or pulverised rock created in the boring and blasting of holes in mining.*"—Dated 13th January, 1903.

Claims:—

1. Apparatus of the nature indicated, constructed, arranged and operating for the purposes specified, substantially as hereinbefore described and illustrated in the accompanying drawings.

2. An apparatus for laying or settling the dust or pulverised rock created in the boring and blasting of holes in mining, comprising in combination a water container, a nozzle of the construction described formed with a water supply branch, placed in communication with the water container and with an air supply branch placed in communication with a source of supply of air under pressure constructed and operating substantially as described and shown.

3. In apparatus of the nature specified, a nozzle comprising an air supply branch and a water supply branch the air supply branch constructed with an air passage fitted with a valve for regulating the air supply and formed with a flat bottom and rounded top at the outlet orifice, and the water supply branch constructed with a water passage opening into the air passage near the outlet orifice, inclined to the flat base of the air passage, and elongated in the direction of said air passage, substantially as described and shown in Figs. 1 to 3 of the accompanying drawings.

4. In apparatus of the nature indicated and intended for use when blasting, the nozzle consisting of air and water supply branches, the air branch being constructed with an air passage formed flat at the base and rounded at the top, and splayed outwards or constructed with divergent walls at the outlet orifice, and the water branch with a water passage communicating with the air passage near the outlet orifice, inclined to the flat base of the air passage, and elongated in the direction of said passage, substantially as described and shown with reference to Figs. 2 and 3 of the accompanying drawings.

5. In apparatus such as specified the combination, with the rock drill and the water container of the nozzle, constructed substantially as hereinbefore described, connected with the rock drilling machine in such a way that the apparatus is brought into operation when the air admission or throttle valve is operated to supply air to the machine, and means for fixing the nozzle to the water container at any required angle to direct the spray on the rock face, substantially as described with reference to Fig. 4 or Figs. 6 and 7 of the accompanying drawings.

6. An apparatus for use when blasting for the purposes specified having its several parts constructed arranged and operating substantially as hereinbefore described and illustrated in Figs. 1 to 3 and Fig. 5 of the accompanying drawings.

Specification, 13s. Drawings on application.

Application No. 4243.—DR. HERMANN PASSOW, of 33 Billhorner, Röhrendamm, Hamburg, in the German Empire, Manager, "*New and improved process for producing Cement.*"—Dated 13th January, 1903.

Claims:—

1. Process of producing cement, consisting in mixing air granulated slag of glassy structure or dried slag sands, which in a ground state do not show any or only a small rising in temperature when treated with carbonic acid, with roasted water granulated slags or with air granulated slags of pumiceous structure, which in a stream of carbonic acid show a great rising in temperature, substantially as described.

2. The addition of a small quantity of a normal Portland cement or other materials containing disposable lime to the product of the process claimed in Claim 1 for the purpose of regulating the time of setting or other qualities, substantially as described.

3. A modification of the process claimed in Claim 1, characterised thereby, that to the slags not reacting with carbonic acid, Portland cement, Roman cement, hydraulic lime or other substances containing disposable lime or forming such lime are added instead of adding the slags reacting with carbonic acid, substantially as described.

Specification, 13s.

Application No. 4244.—LAMBERT BONNAR, of Perth, Western Australia, and CHARLES HENRY CHEESBROUGH, of Dongarra, Western Australia (assignees of Josef Clinton), "*Improved Wire Strainer.*"—Dated 14th January, 1903.

Claims:—

1. A strainer having a reel as a formed with a ratchet c2, and catch hole as a2, and provided with a pawl as c1, the reel mounted on its axis and held within a frame as b, substantially as and for the purposes herein set forth and as illustrated in Figs. 1 and 2 of the attached drawings.

2. A wire strainer having cams as e1, formed with serrations as e3, said cams being arranged so as to effect a self-gripping action and pivoted to links as d1, which latter are connected to the frame of the winding reel substantially as and for the purposes herein set forth and as illustrated in Figures 1 and 2 of the attached drawings.

3. The combination and construction of an apparatus for straining wires having for its principal parts a winding reel and self gripping cams or jaws substantially as and for the purposes herein set forth and as illustrated in Figures 1 and 2 of the attached drawings.

Specification, 6s.

Application No. 4254.—FRANCIS JAMES FLETCHER, of 11 Filey Avenue, Upper Clapton, London, England, Engineer, "*Improvements in Apparatus for Aerating or Carbonating Liquids.*"—Dated 28th January, 1903.

Claims:—

1. In apparatus for aerating or carbonating liquids, the combination with a closed vessel, of a cylinder secured inside the said vessel adjacent to the lower part thereof, a perforated piston in the cylinder, a hollow piston rod communicating with the aperture in the piston and extending outside the vessel, the said piston rod being provided within the vessel with perforations above the cylinder, means for supplying liquid to the cylinder and an inlet for admitting gas to the vessel, substantially as described.

2. In apparatus for aerating or carbonating liquids, the combination with a closed vessel, of a cylinder secured inside the vessel adjacent to the lower part thereof, a perforated piston in the cylinder, a hollow piston rod communicating with the aperture in the piston and extending outside the vessel, the said piston rod being provided within the vessel with perforations above the cylinder, an annular perforated tray secured to the piston rod below the said perforations, means for supplying liquid to the cylinder and an inlet for admitting gas to the vessel, substantially as described.

3. In apparatus for aerating or carbonating liquids, the combination with a closed vessel, of a cylinder secured inside the vessel adjacent to the lower part thereof, a perforated piston in the cylinder, a hollow piston rod communicating with the aperture in the piston and extending outside the vessel, the said piston rod being provided within the vessel with perforations above the cylinder, a number of superimposed annular perforated trays secured to the hollow piston rod below the said perforations, the said trays being connected by vertically disposed perforated tubes, means for supplying liquid to the cylinder, and an inlet for admitting gas to the vessel, substantially as described.

4. In apparatus for aerating or carbonating liquids, the combination with a closed vessel, of a cylinder secured inside the said vessel adjacent to the lower part thereof, a perforated piston in said cylinder, a hollow piston rod communicating with the aperture in the piston and extending outside the vessel, the said piston rod being provided within the vessel with perforations above the cylinder, means for supplying liquid to the cylinder from outside the vessel, a by-pass connecting the cylinder with the interior of the vessel, a valve for controlling the by-pass, operating means for the valve extending outside the vessel, and an inlet for admitting gas to said vessel, substantially as described.

5. In apparatus for aerating or carbonating liquids, the combination with a closed vessel, of a cylinder secured inside the vessel adjacent to the lower part thereof, a perforated piston in the cylinder, a hollow piston rod communicating with the aperture in the piston and extending outside the vessel, the said piston rod being provided within the vessel with perforations above the cylinder, means for supplying liquid to the cylinder, an inlet for admitting gas to the vessel, and a draught arm for withdrawing the aerated liquid, directly mounted on the said vessel, substantially as described.

6. The combination and arrangement of parts forming the improved apparatus for aerating and carbonating liquids, substantially as hereinbefore described and illustrated.

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

Application No. 4263.—ROBERT LENNIE, of 118 Goderich Street, Perth, Western Australia, Mine Carpenter, "*Improved Shank Guide for Battery Stamps.*"—Dated 4th February, 1903.

Claim:—

A guide for stamper shanks whose parts are formed, constructed, and placed together substantially as herein described and explained and as illustrated in the attached drawings.

Specification, 4s. 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 from 7th to 14th February.

Fees payable before the end of the seventh year in respect of the seven following years.

No. 831.—Bradbury's Patent Drill Sharpener, Limited.

No. 841.—Young, A. V.

No. 960.—Waters, E.

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

No. 2415.—Kimber, W. E.

No. 2425.—The Greenwich Inlaid Linoleum (Frederick

Walton's New Patents) Company, Limited.

No. 2434.—The Superior Drill Company.

No. 2522.—British Uralite Company, Limited.

Applications Abandoned,

FEBRUARY 7TH—14TH.

Application No. 3810.—ARTHUR HENRY HAMER, of William Street, Perth, Western Australia, Merchant, “*Filter for Fermented Liquors and Spirits.*”—Dated 8th April, 1902.

Application No. 3811.—JAMES HALBERT, of Meckering, Western Australia, Storekeeper, and JOHN MEKLE, also of Meckering, Blacksmith, “*Improved Ploughshare and Foot for same.*”—Dated 8th April, 1902.

Application No. 3813.—GEORGE DIBDIN, of Kalgoorlie, in the State of Western Australia, Tailor and Clothier, “*Improvement of Coat Fronts.*”—Dated 9th April, 1902.

Applications for Patents.

FEBRUARY 7TH—14TH.

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

No.	Date.	Name.	Address.	Title.
*4267	10th Feb., 1903	Talbot, R. H.	Perth, W.A. ...	A new and improved lantern for aerial advertising purposes.
*4268	10th Feb., 1903	Dunne, R.	Dunedin, New Zealand	Improved mitre box.
4269	10th Feb., 1903	Cummins, T. D., and Nuttall, W. T.	Wanganui, New Zealand	An improved dropper or standard for wire fences.
4270	10th Feb., 1903	Woltereck, H. C.	London, England...	Process for producing ammonia by synthesis.
*4271	10th Feb., 1903	Somer, J.	Maldon, Victoria ...	An improved method of and means for adjusting, folding, and packing duplicate rubber tyre bladders to cycles and the like, so as to be readily transposable.
*4272	10th Feb., 1903	Wellman, H. P.	Melbourne, Victoria	An improved elevating gate for farmers and others.
*4273	10th Feb., 1903	Florant, J. D.	Richmond, Victoria	An improved skylight.
4274	10th Feb., 1903	Jacobson, S. H.	New York, U.S.A.	Improvements in ventilators.
4275	10th Feb., 1903	United Shoe Machinery Company (assignee of Frederick Lyman Alley)	Paterson, U.S.A. ...	An improved apparatus for waxing threads and cords
4276	10th Feb., 1903	Hien, P.	Chicago, U.S.A. ...	Improvements in friction springs.
4277	10th Feb., 1903	Rigby, J. S.	Liverpool, England	Improvements in the manufacture of bricks and artificial stone.
4278	12th Feb., 1903	Morgan, H. E. J.	Midland Junction, W.A.	An improved tobacco pipe.
4279	12th Feb., 1903	United Shoe Machinery Company (assignee of Benjamin Franklin Mayo)	Boston, U.S.A.	Improvements in heel-nailing machines.
4280	12th Feb., 1903	Stanton, C. W.	Mobile, U.S.A.	Improvements in condensing apparatus.
4281	12th Feb., 1903	Fletcher, J.	London, England	Improvements in apparatus for drawing off or dispensing aerated and other liquids.
4282	12th Feb., 1903	Westinghouse, G.	Pittsburg, U.S.A.	Improvements in steam turbines.
4283	12th Feb., 1903	Gitsham, J.	Footscray, Victoria	An improved spraying attachment to rock-drills.

Index of Applicants for Patents.

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Name.	Title.	No.	Date.
Alley, F. L.	<i>Vide</i> United Shoe Machinery Company	4275	10th Feb., 1903
Cummins, T. D., and Nuttall, W. T. ...	An improved dropper or standard for wire fences ...	4269	10th Feb., 1903
Dunne, R.	Improved mitre box	4268	10th Feb., 1903
Fletcher, J.	Improvements in apparatus for draining off or dispensing aerated and other liquids ...	4281	12th Feb., 1903
Florant, J. D.	An improved sky-light	4273	10th Feb., 1903
Gitsham, J.	An improved spraying attachment to rock-drills ...	4283	12th Feb., 1903
Hien, P.	Improvements in friction springs	4276	10th Feb., 1903
Jacobson, S. H.	Improvements in ventilators	4274	10th Feb., 1903
Mayo, B. F.	<i>Vide</i> United Shoe Machinery Company	4279	12th Feb., 1903
Morgan, H. E. J.	An improved tobacco pipe	4278	12th Feb., 1903
Nuttall, W. T.	<i>Vide</i> Cummins, T. D., and Nuttall, W. T.	4269	10th Feb., 1903
Rigby, J. S.	Improvements in the manufacture of bricks and artificial stone	4277	10th Feb., 1903
Somer, J.	An improved method of and means for adjusting, folding, and packing duplicate rubber tyre bladders to cycles and the like so as to be readily transposable	4271	10th Feb., 1903
Stanton, C. W.	Improvements in condensing apparatus	4280	12th Feb., 1903
Talbot, R. N.	A new and improved lantern for aerial advertising purposes	4267	10th Feb., 1903
United Shoe Machinery Company (assignee of Frederick Lyman Alley)	An improved apparatus for waxing threads and cords ...	4275	10th Feb., 1903
United Shoe Machinery Company (assignee of Benjamin Franklin Mayo)	Improvements in heel nailing machines	4279	12th Feb., 1903
Wellman, N. P.	An improved elevating gate for farmers or others ...	4272	10th Feb., 1903
Westinghouse, G.	Improvements in steam turbines	4282	12th Feb., 1903
Woltereck, H. C.	Process for producing ammonia by synthesis	4270	10th Feb., 1903

Index of Subjects of Patents Applications.

FEBRUARY 7TH—14TH.

Title.	Name.	No.	Date.
Advertising by Lantern	Talbot, R. H.	4267	10th Feb., 1903
Aerated Liquids (apparatus for drawing off)	Fletcher, J.	4281	12th Feb., 1903
Ammonia (production by synthesis)	Woltereck, H. C.	4270	10th Feb., 1903
Boots	<i>Vide</i> Heels	4279	12th Feb., 1903
Bricks (manufacture of)	Rigby, J. S.	4277	10th Feb., 1903
Condensing Apparatus	Stanton, C. W.	4280	12th Feb., 1903
Cords	<i>Vide</i> Threads (apparatus for waxing)	4275	10th Feb., 1903
Draw-bars (apparatus for absorbing shock)	<i>Vide</i> Springs (friction)	4276	10th Feb., 1903
Drills	<i>Vide</i> Rock Drills	4283	12th Feb., 1903
Droppers	<i>Vide</i> Wire Fencing	4269	10th Feb., 1903
Gates	Wellman, H. P.	4272	10th Feb., 1903
Heels for Boots (machine for attaching)	United Shoe Machinery Company (assignee of Mayo, B. F.)	4279	12th Feb., 1903
Lantern	<i>Vide</i> Advertising	4267	10th Feb., 1903
Mitre Box for Moulding	Dunne, R.	4268	10th Feb., 1903
Moulding	<i>Vide</i> Mitre Box for moulding	4268	10th Feb., 1903
Pipes (tobacco)	Morgan, H. E. J.	4278	12th Feb., 1893
Rock Drills	Gitsham, J.	4283	12th Feb., 1903
Skylights	Florant, J. D.	4273	10th Feb., 1903
Springs (friction)	Hien, P.	4276	10th Feb., 1903
Standards	<i>Vide</i> Wire Fencing	4269	10th Feb., 1903
Stone (artificial), manufacture of	<i>Vide</i> Bricks (manufacture of)	4277	10th Feb., 1903
Threads (apparatus for waxing) ...	United Shoe Machinery Co. (Assignee of Alley, F. L.)	4275	10th Feb., 1903
Turbines (Fluid Pressure)	Westinghouse, G.	4282	12th Feb., 1903
Tyres (Rubber)	Somer, J.	4271	10th Feb., 1903
Ventilators	Jacobson, S. H.	4274	10th Feb., 1903
Ventilators	<i>Vide</i> Sky-lights	4273	10th Feb., 1903
Wire Fencing	Cummins, T. D., and Nuttall, W. T.	4269	10th Feb., 1903

Index of Patentees.

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Name.	Title.	No.	Date.	Gazette.		
				Date.	No.	Page.
Chambers, L. T.	<i>Vide</i> Sommers, C.	3892	6th June, 1902	5th Dec., 1902	49	4533
Darlington, T.	Improved means for ventilating brick buildings	4097	28th Oct., 1902	5th Dec., 1902	49	4534
Fiedler, M.	Improvements in blasting cartridges ...	4094	23rd Oct., 1902	5th Dec., 1902	49	4534
Humphrey, A. A.	Improvements in compressing air	4053	19th Sept., 1902	5th Dec., 1902	49	4533
Mayne, W.	An improved engine valve gear by which the points of admission cut off and release of high pressure steam or other motive fluid may be controlled.	4101	28th Oct., 1902	5th Dec., 1902	49	4534
Porter, J. W.	Improved apparatus for operating moving targets	3979	6th Aug., 1902	5th Dec., 1902	49	4533
Rodda, W. C.	An improvement in grain harvesting machines	4098	28th Oct., 1902	5th Dec., 1902	49	4534
Schroeder, E.	Improved house ventilator	3752	22nd Feb., 1902	5th Dec., 1902	49	4533
Sommers, C. (<i>Chambers, L. T., and Thompson, W. E.</i>)	Crimped fencing dropper and fastener for same, to be called "The Cyclone Dropper"	3892	6th June, 1902	5th Dec., 1902	49	4533
Thompson, W. E.	<i>Vide</i> Sommers, C.	3892	6th June, 1902	5th Dec., 1902	49	4533

Index of Subjects of Patents granted.

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Title.	Name.	No.	Date.	Gazette.		
				Date.	No.	Page.
Air (compression of)	Humphrey, A. A.	4053	19th Sept., 1902	5th Dec., 1902	49	4533
Blasting cartridge	<i>vide</i> Cartridges	4094	23rd Oct., 1902	5th Dec., 1902	49	4534
Cartridges	Fiedler, M.	4094	23rd Oct., 1902	5th Dec., 1902	49	4534
Explosives	<i>vide</i> Cartridges	4094	23rd Oct., 1902	5th Dec., 1902	49	4534
Fencing dropper	Sommers, C.	3892	6th June, 1902	5th Dec., 1902	49	4533
Harvesting machines	Rodda, W. C.	4098	28th Oct., 1902	5th Dec., 1902	49	4534
Pickets	<i>Vide</i> Fencing dropper	3892	6th June, 1902	5th Dec., 1902	49	4533
Targets	Porter, J. W.	3979	6th Aug., 1902	5th Dec., 1902	49	4533
Valve gear	Mayne, W.	4101	28th Oct., 1902	5th Dec., 1902	49	4534
Ventilation	Darlington, T.	4097	28th Oct., 1902	5th Dec., 1902	49	4534
Ventilator	Schroeder, E. E.	3752	22nd Feb., 1902	5th Dec., 1902	49	4533

Trade Marks.

Patent Office, Trade Marks Branch,
Perth, 20th February, 1903.

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

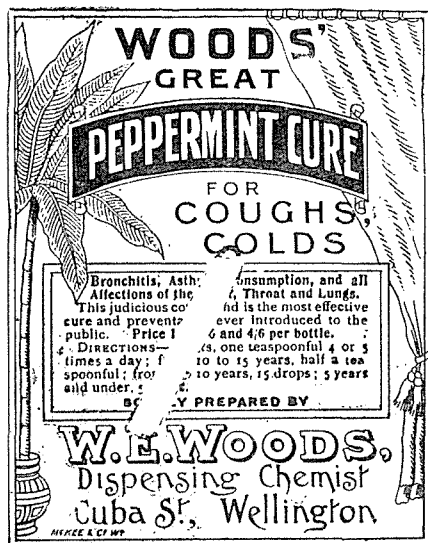
Any person or persons intending to oppose such applications must leave particulars in writing, in duplicate (on Form F), of his or their objections thereto, within two calendar months from the date of this *Gazette*.

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. 2675, dated 23rd December, 1902.—WILLIAM E. WOODS' GREAT PEPPERMINT CURE CO., LTD., of Wellington, in the colony of New Zealand, to register in Class 3, in respect of a Cough Mixture, a Trade Mark, of which the following is a representation:—

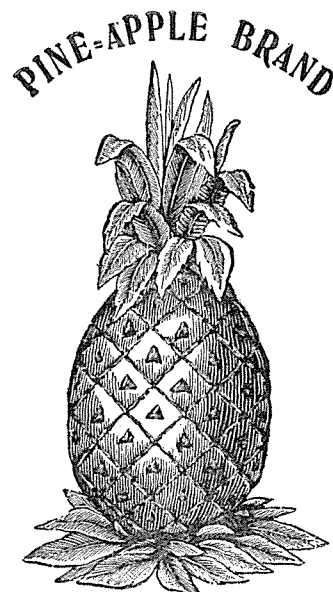


The essential particular of the Trade Mark is the distinctive label.

Application No. 2719, dated 10th February, 1903.—HARRY SKARRATT BROTHWOOD, of No. 291 Parramatta Road, Petersham, near Sydney, in the State of New South Wales, Commonwealth of Australia, Pharmacist, to register in Class 3, in respect of a medicinal preparation, a Trade Mark, of which the following is a representation:—

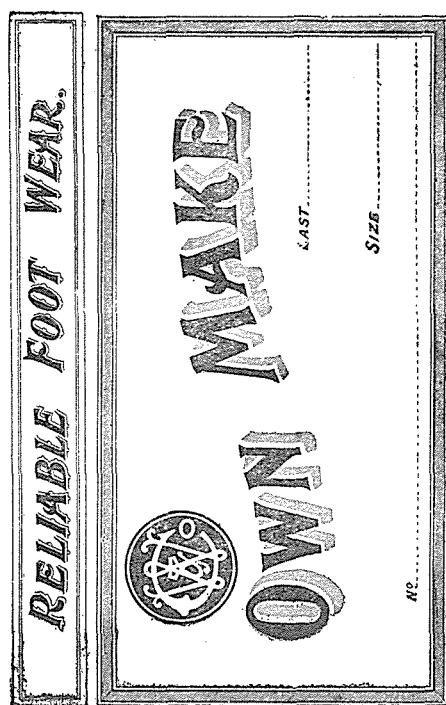
VITOL.

Application No. 2721, dated 10th February, 1903.—WILLIAM HUTTON and SARAH HUTTON, trading as J. C. Hutton, at No. 91 William Street, Melbourne, in the State of Victoria and Commonwealth of Australia, Provision Merchants, to register in Class 42, in respect of Milk, Butter, Cheese, Sausages, and all other substances used as food or as ingredients in food, excepting only bacon, hams, and other goods manufactured from pork, a Trade Mark, of which the following is a representation:—



Application No. 2723, dated 10th February, 1903.—The persons trading as WHYBROW & Co., of 1 to 11 Stafford Street, Abbotsford, in the State of Victoria, Manufacturers,

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



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

Application No. 2724, dated 11th February, 1903.—J. KITCHEN & SONS & MARSH, LIMITED, of South Street, Fremantle, Western Australia, to register in Class 47, in respect of Soap and Candles, a Trade Mark, of which the following is a representation :—

SNOWDROP.

Application No. 2725, dated 11th February, 1903.—CONTINENTAL CAOUTCHOUC UND GUTTA-PERCHA COMPAGNIE, of No. 100 Vahrenwalderstrasse, Hanover, in the German Empire, to register in Class 40, in respect of Outer Covers,

Air Tubes, and Complete Tires, both with thickened or wired edges, a Trade Mark, of which the following is a representation :—



The essential particulars of the Trade Mark are two similar devices, between which is placed the word "Continental." Each of the devices at the opposite sides of this word contains a prancing horse on an uneven ground, and surrounded by two concentric dotted circles and a plain circle. In the space enclosed between the two wavy circles there appear the initial letters of the firm name C.C. & G.P. Co., and the letter H. Applicants disclaim any right to the exclusive use of the added matter.

Application No. 2726, dated 11th February, 1903.—SIR ISAAC PITMAN & 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 Paper (except paper-hangings), Stationery, and Bookbinding, a Trade Mark, of which the following is a representation :—

FONO.

Renewal Fees paid on Trade Marks.

FEBRUARY 7TH—14TH.

No. 215.—BARLOW & JONES.

List of Trade Mark Applications withdrawn.

FEBRUARY 7TH—14TH.

Application No. 2654.—WILLIAM SANDOVER & Co., Hardware Merchants, Hay Street, Perth, to register in Class 50, in respect of Incubators.

List of Trade Mark Applications Abandoned.

FEBRUARY 7TH—14TH.

Application No. 2371.—MICHEL ROSENBLATT, of 140 William Street, Perth, in the State of Western Australia, Cigarette Maker, to register in Class 45, in respect of Tobacco, Cigars, and Cigarettes.

Application No. 2372.—MICHEL ROSENBLATT, of 140 William Street, Perth, in the State of Western Australia, Cigarette Maker, to register in Class 45, in respect of Tobacco, Cigars, and Cigarettes.

Alphabetical List of Registrants of Trade Marks.

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Name.	Goods.	Class.	No.	Date.	Gazette.		
					No.	Date.	Page.
Alaska Packers Association	Tinned or canned, dried and preserved fish of all descriptions	42	2613	21st Oct., 1902	48	28th Nov., 1902	4471
Alaska Packers Association	Tinned or canned, dried and preserved fish of all descriptions	42	2614	21st Oct., 1902	48	28th Nov., 1902	4472
Alaska Packers Association	Tinned or canned, dried and preserved fish of all descriptions	42	2615	21st Oct., 1902	48	28th Nov., 1902	4472
Alaska Packers Association	Tinned or canned, dried and preserved fish of all descriptions	42	2616	21st Oct., 1902	48	28th Nov., 1902	4472
Alaska Packers Association	Tinned or canned, dried and preserved fish of all descriptions	42	2617	21st Oct., 1902	48	28th Nov., 1902	4473
Alaska Packers Association	Tinned or canned, dried and preserved fish of all descriptions	42	2618	21st Oct., 1902	44	28th Nov., 1902	4473
Allen	<i>Vide</i> Chappell, Allen, & Co., Ltd....	38	2636	17th Nov., 1902	48	28th Nov., 1902	4473
Arnold's Balsam Co. (Rankin, Hale, & Cheshire, trading as)	A Medicinal Preparation	3	2641	21st Nov., 1902	48	28th Nov., 1902	4473
Australian Explosives and Chemical Co., Ltd.	Explosives	20	2635	15th Nov., 1902	47	21st Nov., 1902	4428
Chappell, Allen, & Co., Ltd.	Articles of Clothing	38	2636	17th Nov., 1902	48	28th Nov., 1902	4473
Cheshire, G.	<i>Vide</i> Arnold's Balsam Co.	3	2641	21st Nov., 1902	48	28th Nov., 1902	4473
Dailnaine Talisker Distilleries, Ltd.	Whisky	43	2634	12th Nov., 1902	47	21st Nov., 1902	4428
Force Food Company ...	Substances used as food or as ingredients in food, such as cereals and all classes of corn or grain foods	42	2627	31st Oct., 1902	47	21st Nov., 1902	4428
Hale, W. M.	<i>Vide</i> Arnold's Balsam Co.	3	2641	21st Nov., 1902	48	28th Nov., 1902	4473
Lamont & Co.	Whisky	43	2629	4th Nov., 1902	46	14th Nov., 1902	4363
Magnesia Syndicate, Ltd.	Raw or partly prepared mineral substances used in manufactures	4	2643	25th Nov., 1902	49	5th Dec., 1902	4536
Rankin, D.	<i>Vide</i> Arnold's Balsam Co.	3	2641	21st Nov., 1902	48	28th Nov., 1902	4473
Smith, T. J.	Tea	42	2624	28th Oct., 1902	47	21st Nov., 1902	4427
Victorian Soap and Candle Co.	Extract of Soap	47	2633	11th Nov., 1902	47	21st Nov., 1902	4428

Index of Goods for which Trade Marks have been registered.

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Goods.	Name.	No.	Date.	Class.	Gazette.		
					No.	Date.	Page.
Cereals	<i>Vide</i> Food Substances	2627	31st Oct., 1902	42	47	21st Nov., 1902	4428
Clothing	Chappell, Allen, & Co., Ltd.	2636	17th Nov., 1902	38	48	28th Nov., 1902	4473
Corn	<i>Vide</i> Food Substances	2627	31st Oct., 1902	42	47	21st Nov., 1902	4428
Explosives	Australian Explosives Chemical Co., Limited	2635	15th Nov., 1902	20	47	21st Nov., 1902	4428
Fish (tinned or canned, dried and preserved)	Alaska Packers Association	2613	21st Oct., 1902	22	48	28th Nov., 1902	4471
Fish (tinned or canned, dried and preserved)	Alaska Packers Association	2614	21st Oct., 1902	42	48	28th Nov., 1902	4472
Fish (tinned or canned, dried and preserved)	Alaska Packers Association	2615	21st Oct., 1902	42	48	28th Nov., 1902	4472
Fish (tinned or canned, dried and preserved)	Alaska Packers Association	2616	21st Oct., 1902	42	48	28th Nov., 1902	4472
Fish (tinned or canned, dried and preserved)	Alaska Packers Association	2617	21st Oct., 1902	42	48	28th Nov., 1902	4473
Fish (tinned or canned, dried and preserved)	Alaska Packers Association	2618	21st Oct., 1902	42	48	28th Nov., 1902	4473
Food substances	The Force Food Co.	2627	31st Oct., 1902	42	47	21st Nov., 1902	4428
Grain	<i>Vide</i> Food substances	2627	31st Oct., 1902	42	47	21st Nov., 1902	4428
Manufactures	<i>Vide</i> Mineral substances	2643	25th Nov., 1902	4	49	5th Dec., 1902	4536
Medicinal preparations	Arnold's Balsam Co.	2641	21st Nov., 1902	3	48	28th Nov., 1902	4473
Mineral substances (raw or partly prepared)	The Magnesia Syndicate, Ltd.	2643	25th Nov., 1902	4	49	5th Dec., 1902	4536
Soap (extract)	Victoria Soap and Candle Co.	2633	11th Nov., 1902	47	47	21st Nov., 1902	4428
Tea	T. J. Smith	2624	28th Oct., 1902	42	47	21st Nov., 1902	4427
Whisky	Lamont & Co.	2629	4th Nov., 1902	43	46	14th Nov., 1902	4363
Whisky	Dailnaine Talisker Distilleries, Ltd.	2634	12th Nov., 1902	43	47	21st Nov., 1902	4428