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

Complete Specifications.

Patent Office, Perth,
6th March, 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. 4269.—THOMAS DICK CUMMINS, Merchant, and WILLIAM THOMAS NUTTALL, Gunsmith, both of Wanganui, in the Colony of New Zealand, "*An improved Dropper or Standard for Wire Fences.*"—Dated 10th February, 1903.

Claim:—

A standard or dropper for wire fencing consisting of a flat bar of metal provided with slots therein that extend upwards and inwards from one edge and then vertically upwards, thus forming tongues upon the outer sides of the slots, such standard being adapted to be secured upon the wires of the fence by passing the wires into the top ends of the slots and closing the tongues upon them, as herein specified.

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

Application No. 4270.—HERMAN CHARLES WOLTERECK, of 3 Edinburgh Mansions, Howick Place, Victoria Street, London, S.W. England, Consulting Chemist, "*Process for producing Ammonia by synthesis.*"—Dated 10th February, 1903.

Claims:—

1. The process for the synthetical production of ammonia consisting in passing a mixture of air and a gas containing hydrogen in the presence of water vapour over iron oxide heated to a dull red heat.

2. The process for the synthetical production of ammonia consisting in passing a mixture of air and a gas containing hydrogen in the presence of water vapour over an oxygen-carrier metallic oxide heated to a dull red heat.

3. The process for the production of ammonia consisting in passing a mixture of nitrogen and oxygen and a gas containing hydrogen in the presence of water vapour over iron oxide heated to a dull red heat.

4. The process for the production of ammonia consisting in passing a mixture of nitrogen and oxygen and a gas containing hydrogen in the presence of water vapour over an oxygen-carrier metallic oxide heated to a dull red heat.

Specification, 3s.

Application No. 4274.—SAMUEL HOUSTON JACOBSON, of I Madison Avenue, New York City, in the State of New York, U.S.A., Attorney at Law, "*Improvements in Ventilators.*"—Dated 10th February, 1903.

Claim:—

A ventilator consisting of a hood covering an aperture and attached to a base, the face of the hood being on a plane parallel with the base, and a valve pivoted at a point between the two ends of the hood and having two wings lying at an obtuse angle to each other facing the aperture, the valve being so adjusted that when the end of one of its

wings rests on the base the other of its wings will occupy a position substantially parallel with the face of the hood.

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

Application No. 4276.—PHILLIP HIEN, of 910 Warren Avenue, Chicago, County of Cook, State of Illinois, U.S.A., Mechanic, "*Improvements in Friction Springs.*"—Dated 10th February, 1903.

Claims:—

1. The employment in a device of the general character described of resilient elements having inclined frictional surfaces which are relatively moved while engaged with each other and place said elements under tension whenever the elements are subjected to compression in the direction of their axis.

2. In connection with the subject matter of Claim 1, making the resilient elements of ring-form.

3. In connection with the subject matter of Claim 1, supporting the resilient elements upon a telescoping core arranged between followers.

4. In connection with the subject matter of the foregoing claims, providing stops on the telescoping core to be engaged by each pair of rings to limit the tension which may be imposed upon the same.

5. In connection with the subject matter of Claims 1 and 2 making the rings open and normally somewhat spiral.

6. The employment in a device of the general character described, a series of non-resilient elements supported adjacent to said resilient elements, said resilient and non-resilient elements having engaging frictional surfaces.

Specification, 9s. Drawings on application.

Application No. 4277.—JOHN SAMUEL RIGBY, of Bagot Street, Wavertree, Liverpool, in the County of Lancaster, England, Manufacturing Chemist, "*Improvements in the manufacture of Bricks and Artificial Stone.*"—Dated 10th February, 1903.

Claims:—

1. The manufacture of bricks or artificial stone from lime, hydrated, in the manner described and in a finely divided state, and sand, said hydrated lime and sand being mixed together and pressed or moulded into the desired form; substantially as herein set forth.

2. In the manufacture of bricks or artificial stone from lime and sand, or cement—such as Portland cement—and sand or granular or broken material, the herein described mode of supplying and combining said materials, consisting in holding the said material in bulk in separate containers, each having connected with it a weighing machine disposed below same, and discharging into same, and conveyors for taking the respective materials from the weighing machines at the required proportional rates, and delivering same at said proportional rates, into a mixer, whereby, the required proportions of materials, and a homogeneous mixture, are obtained; substantially as described.

3. In the manufacture of artificial stone from cement—such as Portland cement—and sand or granular or broken materials, subjecting the stone, after being mixed with water and pressed or moulded to the required form, to steam or hot water under pressure, whereby such stone is rendered ready for use directly after such treatment; substantially as described.

4. The manufacture of artificial stone from cement, such as Portland cement, and sand or granular or broken material, and "Puzzolana" or "Trass," which after they are mixed together with water are pressed or moulded to the required shape, and the blocks or slabs so made are matured or "aged" by subjecting them to steam or hot water under pressure, substantially as described.

5. In the manufacture of artificial stone from cement, such as Portland cement, and sand or granular or broken materials, subjecting the stone after being mixed together with water, and pressed or moulded to the required form, to steam or hot water and Carbonic Anhydride (C.O₂) under pressure, whereby such stone is rendered ready for use directly after such treatment, and discoloration prevented; substantially as described.

6. Machinery or apparatus for making bricks and artificial stone, consisting of parts arranged, combined, and adapted to operate as set forth with reference to and shown in Figures 1 and 3 and Figures 4 and 5, respectively, of the drawings.

Specification, 7s. Drawings on application.

Application No. 4281.—JOSEPH FLETCHER, of 73 Narford Road, Clapton, London, England, Engineer, "*Improvements in Apparatus for drawing off or dispensing aerated and other Liquids.*"—Dated 12th February, 1903.

Claims:—

1. In apparatus for drawing off or dispensing liquids, the arrangement of a chamber in communication with the liquid reservoir, the said chamber having an outlet orifice, a valve for closing the discharge orifice, and a valve for closing communication between the reservoir and the chamber, and of means, such as a spindle, for controlling the said valves in their proper sequence by a single operation, substantially as hereinbefore described.

2. Apparatus for drawing off or dispensing aerated liquids comprising a chamber in communication with the liquid reservoir and having a discharge orifice, a valve for closing the said orifice, a valve for closing the passage between the liquid reservoir and the chamber, a hollow spindle extending into the reservoir and arranged to move axially when turned, and a snifting tube, which carries the valve closing the passage between the reservoir and the chamber and also a snifting valve, all these valves being adapted to be closed and opened by the axial movement of the hollow spindle, substantially as hereinbefore described.

3. In apparatus of the kind described in the preceding claiming clause the employment of an additional air inlet valve in the hollow spindle, substantially as and for the purpose hereinbefore described and as illustrated.

4. Apparatus for dispensing aerated and other liquids consisting of the parts constructed, arranged and operating, substantially as hereinbefore described and illustrated in the accompanying drawing.

Specification, 7s. 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 "*aforesaid.*"

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 "*aforesaid.*"

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 21st to 28th February, 1903.

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

No. 921.—E. Wohlwill.

Application Abandoned.

FEBRUARY 21ST—28TH.

Application No. 3837.—JOHN SMETHURST, of Wyalong, in the State of New South Wales, Architect, "Improvements in the construction of Tanks, Vats, and the like in order to facilitate the cleaning of same."—Dated 22nd April, 1902.

Applications for Patents.

FEBRUARY 21ST—28TH.

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

No.	Date.	Name.	Address.	Title.
*4300	23rd Feb., 1903	O'Connell, D.	Fremantle, W.A.	A new method of and apparatus for aerating water from boreholes, wells, rivers, reservoirs, sewage outfalls, and the like, and extracting from said water oxide of iron and other sediment.
4301	24th Feb., 1903	Herschmann, A.	New York, U.S.A.	Improvements in steam motor vehicles.
4302	24th Feb., 1903	Squire, W. L.	Launceston, Tasmania	An improved weather controlling apparatus.
*4303	26th Feb., 1903	Cassel, A. R.	London, England	An improved electrolytic process for the extraction of precious metals from their ores.
*4304	26th Feb., 1903	Dickson, S. G.	Melbourne, Victoria	Improvements in machines for manufacturing horseshoes.
*4305	26th Feb., 1903	Hebbard, W. R. F.	Melbourne, Victoria	An improved high-pressure water cock or tap
4306	26th Feb., 1903	Trench, R. Le P.	Darlinghurst, N.S.W.	Improvements in hydrant valves.
4307	26th Feb., 1903	Eaton, E.	London, England	A new or improved process of producing building bricks or blocks, and apparatus for use therewith.
4308	26th Feb., 1903	Eaton, E.	London, England	A new or improved process of producing building bricks or blocks, and apparatus for use therewith.
4309	26th Feb., 1903	Barnett, M.	Perth, W.A.	Corrugated wood pulp sheeting for roofs, walls, and similar purposes.

Provisional Specifications Accepted.

Patent Office, Perth, 6th March, 1903.

APPLICATIONS for Letters Patent, accompanied by Provisional Specifications, which have been accepted from 21st to 28th February, 1903:—

Application No. 4267.—RICHARD HENRY TALBOT, of Perth, in the State of Western Australia, Commission Agent, "A new and improved Lantern for Aerial advertising purposes."—Dated 10th February, 1903.

R. G. FERGUSON,
Registrar of Patents.

Index of Applicants for Patents.

FEBRUARY 21ST—28TH.

Name.	Title.	No.	Date.
Barnett, M.	Corrugated wood pulp sheeting for roofs, walls, and similar purposes	4309	26th Feb., 1903
Cassel, H. R.	An improved electrolytic process for the extraction of precious metals from their ores	4303	26th Feb., 1903
Dickson, S. G.	Improvements in machines for manufacturing horseshoes	4304	26th Feb., 1903
Eaton, E.	A new or improved process of producing building bricks or blocks, and apparatus for use therewith	4307	26th Feb., 1903
Eaton, E.	A new or improved process of producing building bricks, and apparatus for use therewith	4308	26th Feb., 1903
Hebbard, W. R. F.	An improved high-pressure water cock or tap	4305	26th Feb., 1903
Herschmann, A.	Improvements in steam motor vehicles	4301	24th Feb., 1903
O'Connell, D.	A new method of and apparatus for aerating water from boreholes, wells, rivers, reservoirs, sewage outfalls, and the like, and extracting from said water oxide of iron and other sediment	4300	23rd Feb., 1903
Squire, W. L.	An improved weather controlling apparatus	4302	24th Feb., 1903
Trench, R. Le P.	Improvements in hydrant valves	4306	26th Feb., 1903

Index of Subjects of Patents Applications.

FEBRUARY 21ST—28TH.

Title.	Name.	No.	Date.
Aeration (water from bores, etc.)	O'Connell, D.	4300	23rd Feb., 1903
Bricks	Eaton, E.	4307	26th Feb., 1903
Bricks	Eaton, E.	4308	26th Feb., 1903
Blocks	Vide Bricks	4307	26th Feb., 1903
Blocks	Vide Bricks	4308	26th Feb., 1903
Electrolytic	Vide Ores	4303	26th Feb., 1903
Horseshoes (Machine for)	Dickson, S. G.	4304	26th Feb., 1903
Hydrant Valve	Vide Valve	4306	26th Feb., 1903
Iron (extraction from water)	Vide Aeration	4300	23rd Feb., 1903
Ores (extraction of metals from)	Cassel, H. R.	4303	26th Feb., 1903
Precious Metals (extraction of)	Vide Ores	4303	26th Feb., 1903
Rain Clouds (tapping)	Vide Weather Controlling Apparatus	4302	24th Feb., 1903
Sawdust	Vide Sheeting	4309	26th Feb., 1903
Sheeting (for roofs, walls, etc.)	Barnett, M.	4309	26th Feb., 1903
Taps	Hibbard, W. R. F.	4305	26th Feb., 1903
Valve	Trench, R. Le P.	4306	26th Feb., 1903
Vehicles (Steam Motor)	Herschmann, A.	4301	24th Feb., 1903
Wagons	Vide Vehicles	4301	24th Feb., 1903
Water Cocks	Vide Taps	4305	26th Feb., 1903
Weather Controlling Apparatus	Squire, W. L.	4302	24th Feb., 1903

Index of Patentees.

FEBRUARY 21ST—28TH.

Name.	Title.	No.	Date.	Gazette.		
				Date.	No.	Page.
Baertl, F.	Improvements in automatic pressure regulators for gas flames or burners	4126	18th Nov., 1902	19th Dec., 1902	51	4628
Bamber, M. K.	Vide Roger, J.	4122	18th Nov., 1902	19th Dec., 1902	51	4627
Ferguson, J. W. and G. W.	Improvements in brick or briquette making machines	4116	11th Nov., 1902	19th Dec., 1902	51	4627
Goucher, T.	An improved disappearing target for rifle practice	3754	27th Feb., 1902	19th Dec., 1902	51	4627
Hainsworth, R.	Safety suspending apparatus for mine and lift cages, skips, and the like	4129	20th Nov., 1902	19th Dec., 1902	51	4628
Krug, O., and Swar, E. C.	An improved extension ladder, principally adapted for fire brigade and escape purposes	3739	6th Feb., 1902	19th Dec., 1902	51	4627
Roger, J., and Bamber, M. K.	An improved process of obtaining a soluble extract of tea	4122	18th Nov., 1902	19th Dec., 1902	51	4627
Swar, E. C.	Vide Krug, O.	3739	6th Feb., 1902	19th Dec., 1902	51	4627

Index of Subjects of Patents granted.

FEBRUARY 21ST—28TH.

Title.	Name.	No.	Date.	Gazette.		
				Date.	No.	Page.
Brick Machine	Ferguson, J. W. and G. W.	4116	11th Nov., 1902	19th Dec., 1902	51	4627
Briquette Machine	Vide Brick Machine	4116	11th Nov., 1902	19th Dec., 1902	51	4627
Burners	Vide Pressure Regulators for gas burners	4126	18th Nov., 1902	19th Dec., 1902	51	4628
Gas Flames	Vide Pressure Regulators for gas burners	4126	18th Nov., 1902	19th Dec., 1902	51	4628
Ladders	Krug, O., and Swar, E. C.	3739	6th Feb., 1902	19th Dec., 1902	51	4627
Lift Cages	Vide Safety Catch	4129	20th Nov., 1902	19th Dec., 1902	51	4628
Mining	Vide Safety Catch	4129	20th Nov., 1902	19th Dec., 1902	51	4628
Pressure Regulators for gas burners	Baertl, F.	4126	18th Nov., 1902	19th Dec., 1902	51	4628
Safety Catch (lift cages)	Hainsworth, R.	4129	20th Nov., 1902	19th Dec., 1902	51	4628
Skips	Vide Safety Catch	4129	20th Nov., 1902	19th Dec., 1902	51	4628
Targets (rifle shooting)	Goucher, T.	3754	27th Feb., 1902	19th Dec., 1902	51	4627
Tea (process of obtaining extract of)	Roger, J., and Bamber, M. K.	4122	18th Nov., 1902	19th Dec., 1902	51	4627

Trade Marks.

Patent Office, Trade Marks Branch,
Perth, 6th March, 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. 2720, dated 10th February, 1903.—LA SOCIÉTÉ DE PROPRIÉTAIRES VINICOLES DE COGNAC, J. G. MONNET ET CIE, trading under the style of "The United Vineyard Proprietors Company," of Cognac, France, Brandy Shippers, to register in Class 43, in respect of Cognac Brandy, a Trade Mark, of which the following is a representation:—



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

Application No. 2737, dated 24th February, 1903.—A. R. WOODYATT AND COMPANY, of Ontario, Canada, Manufacturers, to register in Class 7, in respect of Lawn Mowers and parts thereof, a Trade Mark, of which the following is a representation:—

WOODYATT.

This Mark has been used by the applicant Company and its predecessor in business prior to 1st January, 1885.

Application No. 2740, dated 27th February, 1903.—ÆNEAS MORRISON ALLAN, of Eagle Chambers, Hay Street, Perth, in the State of Western Australia, Wine and Spirit Merchant, to register in Class 43, in respect of Fermented Liquors and Spirits, a Trade Mark, of which the following is a representation:—



La Gascoyne.

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

Application No. 2741, dated 27th February, 1903.—HUGHES & DOHENY, of Hay Street, Perth, in the State of Western Australia, Merchants, to register in Class 42, in respect of substances used as Food or as Ingredients in Food, a Trade Mark, of which the following is a representation:—

KIRI.

Application No. 2743, dated 2nd March, 1903.—J. KITCHEN AND SONS AND MARSH, LIMITED, Soap and Candle Manufacturers, 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:—

ATLAS.

List of Trade Mark Applications withdrawn.

FEBRUARY 21ST—28TH.

Application No. 2733, dated 21st February, 1903, in the name of CHARLES JOHN HORROCKS and REGINALD ARTHUR WADHAM, trading as "C. J. Horrocks & Wadham," Rialto Chambers, High Street, Fremantle, to register in Class 42, in respect of Articles used as food or as ingredients of food, inclusive of Baking Powder, Self-raising Flour, Vinegar, Essences.

