Supplement to Government Gazette

OF

WESTERN AUSTRALIA.

[Published by Authority.]

No. 7. P.O. No. 5. } PERTH: FRIDAY, JANUARY 29. [1904.

CONTENTS:

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

Complete Specifications.

Patent Office, Perth,
29th January, 1904.

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. 4391.—PAUL HALLOT, of 79 Rue de Fontenay, Vincennes (Seine), Republic of France, Engineer, "*Improvements in Railway Brakes.*"—Dated 21st April, 1903.

Claims:—

1. A continuous action brake for railways, the power of which may be considerably increased according to the speed of the train, by the employment of a centrifugal device which automatically resists the skidding of the wheel, characterised by an impulsion pulley *n* enclosing two friction cones 4 and 5, which control the axles of the vehicle by means of a rope *q*; this pulley *n* being connected by a fork *f* with the controlling piston in such a manner that for an ordinary vacuum in the main pipe, it comes into contact only with the first cone 4 firmly attached to the axle which corresponds to the ordinary braking, whereas for a vacuum of a certain higher extent, it comes into contact with the second cone 5 firmly attached to a pulley 7, mounted loosely on the axle and carried along therewith at variable degrees through the action of centrifugal force, with the object of rendering the brake always capable of being moderated in its action at the will of the driver, and increasing in a considerable proportion the braking power at high rates of speed, without any wedging of the wheels occurring, whatever the grip of the rails or other circumstance likely to render the wheels stationary.
2. The modification of the brake as in claim 1, according to which each of the cones 4, 5, has a suitable operating pulley, *n*, n^2 controlled by a distinct fork f' f^2, each pulley acting moreover on the axle system by a special rope q' q^2.
3. In a brake according to claim 1, a regulator comprising a movable actuating pulley *n* mounted on the axle, a first coupling cone 4 connected to the coupling sleeve 3, keyed to the axle by flexible devices (flexible corrugated sheet metal discs 15 and springs 16) and a second cone 5, fixed on a loose pulley 7, which is firmly attached to the axle by variable degrees through the action of the centrifugal force acting on bodies 9, resting against the internal surface of its rim and actuated by the sleeve 3.
4. The method of applying the regulator according to claim 2 to vehicles already furnished with a brake of any kind, consisting in controlling the coupling fork f of the regulator by the motion of the brake actuating lever 23 itself, by means of a fixed connection 24, 25 and conversely, in increasing the power of this brake by the complementary effect of the regulator, by means of a flexible connection *y*, arranged between the traction lever of the regulator *v* and the lever 23 which acts on this axle arrangement.
5. The arrangement for automatically regulating the brake action according to the variable load of the vehicle, consisting in causing the clutch on which the traction rope acts to move along the lever *v*, and in controlling the movements of this clutch by means of a rope 34, connected with a flexibly joined device, which yields when the frame is lowered under the action of the loading of the vehicle.
6. The modified arrangement of the regulator according to claim 3, having two separate friction cones 4″ 5″ engaging with two separate operating pulleys connected to one another by means of a flexible gear box or curved connecting rods secured to the pulleys by means of studs, said pulleys engaging with a single intermediary pulley 8′ in form of a double coned ring and being suspended to the brake cylinder by means of an elastic device, substantially as set forth.
7. Means for operating the regulator according to claim 6, which consist of a fork (f^3) connected with the piston rod of the operating cylinder and engaging the hub of the first operating pulley, of a second fork (f^4), the lower end of which is connected with the lower end of the fork (f^3) by means of an extensible rod, said fork engaging the hub of the operating pulley (n^3), and being pivoted on an axle which is allowed to slide vertically in a suitable support.
8. The arrangement for operating two separate steering systems by means of a single coupling device, according to which the end of the rope (*q*), instead of being secured to a stationary point, is attached to the end of a lever keyed on the axle of one steering system, the other system being acted on from the pulley (*s*), lever (*v*), and connecting rod (*x*).

Specifications, £1 4s. Drawings on application.

Application No. 4758.—WILLIAM VICKERY, of Sand Street, Melverton, Somersetshire, England, Builder; GEORGE VICKERY, of Mill House, Norton Fitzwarren, Somersetshire, aforesaid, Builder; and TOM HARDING, of 2 The Square, Wivelscombe, Somersetshire, aforesaid, Ironmonger, "*Improvements in and relating to fastening and sealing boxes, cases, or the like.*"—Dated 5th January, 1904.

Claims:—

1. The improved sealing lock for boxes or cases comprising a suitable case or chamber, a latch pivotally supported at its lower end within the chamber and provided at its upper end with a tooth adapted to engage a suitable hasp, a slot in the latch for facilitating the unlocking of the latch by means of a lever implement such as is hereinbefore described, a spring for actuating the latch, a slot in the front plate of the case permitting access to the latch and furnishing a fulcrum upon which the lever turns in unlocking the latch and an outer plate in which is formed a recess for retaining a seal ng card or tablet and in which are formed openings serving respectively to permit access to the sealing card and the ready removal of foreign matter, all arranged constructed and operating substantially as herein described and illustrated by the accompanying drawings.
2. In a sealing lock the herein described method of constructing the front plate by bending it so as to form a cavity in front of the lock adapted to retain a sealing card.
3. In a sealing lock the herein described method of forming the ticket cavity substantially as described with reference to Figs. 10, 11, and 12.
4. In combination with a lock of the kind specified the use of a hasp shaped so as to fill the mouth of the lock and prevent midway and sideway movement by the box lid when locked substantially as hereinbefore described and shewn.

Specifications, 8s. Drawings on application.

Application No. 4766.—HIRAM WHEELER BLAISDELL, of No. 130 South Grand Avenue, in the City of Los Angeles, in the County of Los Angeles, and State of California, United States of America, Engineer, "*System of Handling Material.*"—Dated 12th January, 1904.

Claims:—

1. A system of handling material provided with receptacles having discharge openings therein, a rotary distributing and discharging apparatus having disks and means whereby said apparatus is adjustable in two directions to move the material in the receptacle toward or away from said openings therein.
2. A system of handling material provided with receptacles having discharge openings therein, a conveyer beneath such openings, a series of rotary discharging disks constructed to operate in such receptacles and means for revolving said series of rotary disks to move the material in the receptacle to said discharge openings therein.
3. A system for handling material provided with receptacles having discharge openings therein, a revoluable discharging apparatus having disks adapted to force the material through said discharge openings, means for revolving said apparatus in a horizontal plane, and means for bodily raising and lowering said apparatus.
4. A system of handling material provided with receptacles having discharge openings therein, a distributing and discharging apparatus having disks mounted to revolve in the receptacle operated upon, means for revolving said apparatus to draw the material toward said discharge openings and means for gradually raising or lowering said apparatus.
5. A system of handling material provided with receptacles having discharge openings, a distributing and discharging apparatus having disks mounted to rotate in the receptacle operated upon to force the material therein toward the discharge openings of such receptacle, driving mechanism for rotating said apparatus and means connected with said driving mechanism for automatically raising or lowering said distributing and discharging apparatus while rotating in such receptacle.
6. A system for handling material provided with circular receptacles having discharge openings therein, a distributing and discharging apparatus having disks mounted to rotate in the receptacle operated upon to force the material in the receptacle toward the discharge openings therein.

7. A system of handling material provided with rails to be disposed at the respective sides of a series of receptacles, an elevated frame having wheels mounted on said rails, a distributing and discharging apparatus carried by said frame and having disks adapted to force the material in the receptacle operated upon toward the discharge openings therein, means for rotating said apparatus and automatic means for raising and lowering the same simultaneously with the rotation thereof.

8. A system of handling material provided with receptacles having discharge openings therein, endless conveyers below such openings, gates adapted to close said openings, a conveyer adapted to discharge the material into the receptacle operated upon, a distributing and discharging or excavating apparatus having disks mounted to rotate in such receptacle and constructed to force the material toward the discharge openings therein.

9. A system of handling material provided with receptacles having discharge openings, conveyers below the same, gates adapted to close said openings, a conveyer disposed beside said receptacles, a frame mounted above said receptacles, a conveyer carried by said frame constructed to receive the material from the conveyer beside the receptacles and discharge it into the receptacle operated upon and the rotary distributing and discharging apparatus carried by said frame and constructed to force the material in such receptacle toward the discharge openings therein.

10. A system of handling material provided with receptacles having discharge openings, a conveyer, a discharging device for deflecting the material on said conveyer, a travelling frame adapted to move lengthwise of said conveyer and carrying an endless conveyer adapted to receive material deflected thereon from said first mentioned conveyer, and a rotary distributing and discharging apparatus having discs also carried by said movable frame and adapted to operate within a receptacle.

11. A system of handling material provided with receptacles having a false or filter bottom and discharge openings in the latter conveys below such openings, a conveyer alongside of said receptacles, a frame above said receptacles, a conveyer carried by said frame and constructed to receive material from the conveyer alongside said receptacles and discharge it into said receptacles and a rotary distributing and discharging apparatus carried by said frame having disks adapted to force the material in the receptacle operated upon toward the discharge openings therein.

12. A horizontal revoluable distributing and discharging apparatus provided with a travelling frame constructed to move over a series of receptacles, a rotary distributing or discharging apparatus carried by said frame having disks, means for revolving said apparatus and mechanism also carried by said frame for elevating or lowering said frame bodily into and out of said receptacle.

Specifications, 13s. 6d. Drawings on application.

Application No. 4768.—JAMES EDGAR FOX, of Boulder, Western Australia, Mechanical Engineer, "*A combined agitation and filtration process for separating soluble matter from insolubles for use in the treatment of extraction of precious metals from their ores.*"—Dated 14th January, 1904.

Claims:—

1. In a combined, agitation, and filtration process for separating soluble matter from insolubles for the use in the treatment of extraction of precious metals from their ores. A cylindrical vessel having agitating spindle and arms, an annular filtering chamber, charge shoot, solution inlet, water inlet for washing the filtering medium, solution outlet and pulp outlet constructed and arranged in the manner described so as to agitate under pressure or otherwise the metal pulp in the presence of a solvent chemical solution and subsequently to separate the solution from the ore by means of filtration, substantially as described and illustrated in the accompanying drawings.

2. In a combined agitation and filtration process for separating soluble matter from insolubles for the use in the treatment of extraction of precious metals from their ores. A cylindrical vessel having agitating spindle and arms, an annular filtering chamber, charge shoot, solution inlet, water inlet for washing the filtering medium, solution outlet and pulp outlet constructed and arranged in the manner described so as to agitate under pressure or otherwise the metal pulp in the presence of a solvent chemical solution and subsequently to separate the solution from the ore by means of filtration, and its application to and use in the treatment of gold and other metal ores for the purpose of extracting the precious metal from their gangue or ores, substantially as described and illustrated in the accompanying drawings

Specifications, 5s. Drawings on application.

Application No. 4769.—WILLIAM HARDMAN, of Kalgoorlie, Bricklayer, "*An improved steam or fuel continuation bakery plant.*"—Dated 14th January, 1904.

Claims:—

1. In an improved steam or fuel continuation baking plant a bread baking oven built in the ordinary manner of brick with an iron lining and heating space between the iron lining and the brick work and the flues arranged to evenly distribute the heat, one or more carriages carrying trays and rollers at the inside corners, and legs and rollers at the outside corners and the former running on the walls of the furnace and the latter on the floor on rails in such a manner that the carriages and trays may be run into or drawn out of the oven independently of each other and having vertical plates attached to the outside edge of the trays, so that when they are in the oven the plates shall effectively cover up the front of the oven substantially as described and illustrated in the accompanying drawings.

2. In an improved steam or fuel continuation baking plant a bread baking oven being reticulated with steam pipes in such a manner as to effectively heat the interior of the oven and having one or more carriages and trays of the design and fitted with the arrangements referred to in Claim 1, and for the purpose, and to be operated in a similar manner substantially as described and illustrated in the accompanying drawings.

3. In an improved steam or fuel continuation baking plant and to be operated in conjunction with the oven as above described a flour tipping board and hopper delivering the flour on to sieves and thence into the mixing and kneading machine having three revolving forks and blades fixed on, and two arms fixed on to the spindle at an angle of about 45° and driven by gear or by hand as required and having a water space in the bottom of the machine with inlet and outlet pipes as described and illustrated in the accompanying drawings.

Specifications, 6s. Drawings on application.

Application No. 4772.—LUDWIG F. SCHOENEFELDT, of Denver, in the County of Denver, United States of America, Engineer, "*Improvements in Concentrators.*"—Dated 14th January, 1904.

Claims:—

1. In a concentrator, a series of cups carried by a rotary part, and having outlet tubes mounted to rotate in said rotary part, substantially as specified.

2. In a concentrator, in connection with a rotating part carrying a series of rotating cups, a rotary hopper having tubes leading to the cups, substantially as specified.

3. In a concentrator, in connection with a rotating part, a series of cups carried by the rotating part and arranged in sets, each set comprising a plurality of cups, and devices connecting with the cups of each individual set for rotating the same, substantially as specified.

Specifications, 7s. Drawings on application.

Application No. 4775.—FRED INSTONE and CHARLES MCMILLAN PURDIE, of Croke Street, Fremantle, Western Australia, trading as F. Instone and Co., Manufacturers, "*An improved Cooking Stove or Oven.*"—Dated 15th January, 1904.

Claims:—

1. In cooking ovens or stoves.—A self contained oven as *d* having a domed or arched roof as *c*, said chamber being so placed and arranged that it is surrounded by heat or fire spaces, substantially as and for the purposes herein set forth and as illustrated in the attached drawings.

2. In cooking ovens or stoves.—The general construction and arrangement of a self contained and arched chamber as *d* and *s* in combination with surrounding passages or flues as *h* and openings as *k* and with a common or final chamber as *m* all in communication with the flue *n* and *nl* and fire place *g* substantially as and for the purposes herein set forth and as illustrated in the attached drawings.

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

Application No. 4786.—CARLO TURCHI, of 89 Via Giovecca Ferrara, in the Kingdom of Italy, Engineer, "*Improvements in apparatus for enabling Telephonic and Telegraphic Messages to be transmitted over the same line wire.*"—Dated 19th January, 1904.

Claims:—

1. In apparatus for enabling telephonic and telegraphic messages to be sent over a single line wire between two or more stations, a separator comprising a closed circuit arranged in inductive relation to or connected with the line wire, and including one or more capacities, one or more self-induction devices and a differential coil having an iron core arranged in inductive relation to a telephonic receiver, the construction and arrangement being such that telephonic currents can be transmitted from the line wire to the telephonic receiver, whilst induced currents of substantially different frequencies will be prevented from affecting the telephone receiver, as set forth.

2. In apparatus for enabling telephonic and telegraphic messages to be sent over a single line wire, a separator according to the preceding claim constructed with two branches that are wound in opposite directions around an inner core to form the differential coil and one or other or each of which is provided with at least one capacity or one inductive resistance device, as set forth.

3. Apparatus according to the preceding claims for enabling telephonic and telegraphic messages to be sent over a single line wire, wherein the circuit of the separator is connected to the secondary winding of a transformer, the primary winding of which is in series with the line wire, as set forth.

4. Apparatus according to Claims 1 and 2, wherein the separator is connected at one end either directly or through the secondary winding of a transformer to the line wire and at the other end to earth, as set forth.

5. In apparatus according to Claim 1, a relay whereby telephonic messages can be sent to line independently of the separator, the said relay comprising a telephonic receiver located at the station and in the telephonic circuit of a subscriber, and a microphone transmitter upon which the telephonic receiver is arranged to act and which is connected to a secondary winding of the line transformer so as to act directly on the line wire, as set forth.

6. Apparatus according to Claims 1, 2 and 3 for telephoning and telegraphing over a single line of wire, wherein, in order to provide a path round the separator at the central station for enabling telephonic messages to be transmitted by a subscriber direct to the line wire independently of the said separator, the telephone subscriber's line is connected to the telegraph line through the intermediary of a series-connected line transformer, and the subscriber is provided at his own station with a separator of the kind set forth for transmitting telephonic messages from the line to his telephone receiver, substantially as described for the purposes set forth.

7. Apparatus according to the preceding claims for enabling telephonic and telegraphic messages to be sent over a single wire, wherein the line condensers instead of being earthed are connected with one another by means of an existing telegraph wire which is not otherwise used for telephonic purposes, so that the said condensers are thus provided with a metallic return, as set forth.

8. For enabling telephonic and telegraphic messages to be sent simultaneously over a single line wire, apparatus constructed, arranged and operating substantially as hereinbefore described with reference respectively to and shown in Fig. 1, and in Fig. 2, or modified according to Fig. 3, or to Fig. 4, or to Fig. 5, or to Fig. 6, or to Fig. 7 of the accompanying drawings.

Specification, £1 1s. Drawings on application.

Application No. 4787:—DAVID EDWARD BIGELOW, of the Lake View Consols, Limited, Kalgoorlie, Western Australia, Mine Superintendent, "*Improvements in Rock and Ore Breakers.*"—Dated 20th January, 1904.

Claims:—

1. In improvements in rock and ore breakers, the toggle bearings and pitman arranged and located in such a manner as to enable the rock or ore breaking action to take place on the downward stroke of the pitman as described and illustrated in the accompanying drawings.

2. In improvements in rock and ore breakers, a toggle plate made in sections and fastened together forming one toggle as described and illustrated in the accompanying drawings.

3. In improvements in rock and ore breakers, a toggle bearing fitted to a recess in the thrust block, or having a space behind, and being held in positions by means of bolts or pins, as described and illustrated in the accompanying drawings.

4. In improvements in rock and ore breakers, concave and convex jaws, the concavity and the convexity being in the form of an arch with the crowns in a vertical direction and the contour horizontal, as described and illustrated in the accompanying drawings.

5. In improvements in rock and ore breakers, the arrangements of the pitman and toggle bearings to enable the rock or ore breaking action to take place on the downward stroke of the pitman; a toggle

made in sections and fastened together to form a shearing toggle plate; a toggle bearing in a recess in the thrust block, secured with bolts or pins and a space behind the toggle bearing; and concave and convex jaws and the use in and its application to, rock and ore breaking machines, of any or all these improvements either in new rock breakers, or the separate or conjoint use in existing rock breakers of any pattern to which they are applicable, as described and illustrated in the accompanying drawings.

Specification, 6s. Drawings on application.

Application No. 4790.—THE MORGAN CRUCIBLE COMPANY, LIMITED, of Battersea Works, London, Manufacturers (assignee of Charles William Speirs), "*Improvements in Crucible Furnaces.*"—Dated 21st January, 1904.

Claims:—

1. A tilting furnace, the casing of which has two metallic shells of different shapes so as to form between them a series of passages through which air can be supplied to the furnace through apertures in the lining thereof, substantially as described.
2. In a tilting furnace, a furnace casing having air passages in the walls thereof communicating with the interior of the furnace through holes in the lining, a closed base upon which the furnace proper is mounted, and a cover carried by a flue pipe adapted to be moved laterally from above the furnace, the said flue pipe being surrounded by a jacket through which air for supporting the combustion in the furnace is forced into the base plate, whence it passes to the furnace partly through the grate thereof and partly through the passages in the casing, substantially as described.
3. The combination with a tilting furnace provided with passages formed in the metal casing thereof and communicating with the interior of the furnace through suitable holes, of a cover adapted to fit upon the top of the said furnace, a flue pipe carrying the said cover and a chamber in the said cover through which the products of combustion pass and into which the metal scrap to be melted is inserted, substantially as described.
4. In a tilting furnace, passages formed in the metallic casing of the furnace proper, a cover to the said furnace, communicating with a flue pipe and a jacket around the said flue pipe through which air for supporting the combustion in the furnace is passed, in order that it shall be heated, the said air, when it passes through the passages in the metallic casing, also serving to maintain the same relatively cool, substantially as described.
5. In a tilting crucible furnace having a series of passages in the metallic casing of the furnace proper, a stand or pedestal at the lower part of the furnace and a series of arms for supporting the crucible at the upper part, one of which arms is formed as a spout-piece, substantially as described.
6. In a tilting furnace, the combination of a furnace proper having a metallic casing with passages formed therein, a cover adapted to be placed over the furnace for the discharge of the gases of combustion, and a crane or derrick the axis of movement of which is in alignment with the axis of rotation of the cover, for facilitating the movement of the said cover, substantially as described.
7. In a tilting furnace, the combination of a metallic furnace casing having passages in the walls thereof communicating with taper passages in the furnace lining, a closed base upon which the furnace stands, and holes or apertures for admitting air from the base into the lower ends of the passages in the casing, substantially as described.
8. In a tilting furnace, the combination of a metallic furnace casing having passages therein communicating with holes in the furnace lining, a circumferential passage around the upper part of the said casing communicating with the several passages therein, and hollow standards, communicating with the closed base and serving as a pivotal support upon which the furnace can be tilted, the said standards admitting air from the closed base into the circumferential passage and thence into the casing passages and the furnace, substantially as described.
9. A portable tilting furnace, the furnace body of which is designed to be lifted and tilted by means of suspending ropes operated by independent winding mechanism and wherein segmental guide bars are provided for maintaining the ropes at a uniform distance apart during the tilting operation, substantially as described.

Specifications, 16s. Drawings on application.

R. G. FERGUSON,
Registrar of Patents.

Renewal Fees paid on Patents registered from the 16th to 23rd January, 1904.

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

No. 1489.—Schafer, J. B.

No. 1500.—Jones, A. W.

No. 1522.—American Steel and Wire Co.

Subsequent Proprietors of Patents registered from the 16th to 23rd January, 1904.

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

No. 3065.—Rennick, C. [Ward, C. H.]

No. 4122.—Soluble Tea Syndicate, Ltd. [Roger & Bamber].

License.

Re No. 3021—Carl Johan Kielberg.

LICENSE to use the above-numbered Invention in the name of RICHARD TAYLOR, throughout the State of Western Australia. Registered in the Patent Office on the 19th day of January, 1904.

R. G. FERGUSON,
Registrar of Patents.

Applications for Patents.

JANUARY 16TH—23RD.

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

No.	Date.	Name.	Address.	Title.
*4776	18th Jan., 1904	Campbell, J.	Perth, W.A. ...	An improved water filter, to be called "The Simple and Perfect Filter."
*4777	19th Jan., 1904	Watson, H. G., and Cummock, J.	Lanarkshire and Glasgow, Scotland, respectively	Improvements in the method of and means for manufacturing aerated or carbonated liquids.
*4778	19th Jan., 1904	Gray, C. E., and Tolman, J. S.	Hobart, Tasmania	Improvements in mechanical coin-freed franking and stamping machines.
*4779	19th Jan., 1904	Dobbie, A. W.; Morley, J. E. M.; Dobbie, A. H., and Dobbie, H. J. (assignees of Dunstone, J.)	Adelaide, S.A. ...	A bird or other animal scarer.
*4780	19th Jan., 1904	Knowlson, J.	North Melbourne, Victoria	An improved thermo-atmospheric valve.
*4781	19th Jan., 1904	Harris, J.	Newcastle, N.S.W.	An improved sash fastener for windows.
*4782	19th Jan., 1904	Barton, B. C.	Birmingham, England	Improvements in metallic bedsteads and the like.
*4783	19th Jan., 1904	Key, J.	Hampton Park, Victoria	An improved water heater, operated by gas or other fuel.
*4784	19th Jan., 1904	Key, J.	Hampton Park, Victoria	An improved water heater for use above open domestic fires.
4785	19th Jan., 1904	Bawden, J. M.; Catterall, E. H.	Traralgon, Victoria	An improved double-legged coupling pin for road vehicle shafts.
4786	19th Jan., 1904	Turchi, C.	Vin Jiovecca Terrace, Italy	Improvements in apparatus for enabling telephonic and telegraphic messages to be transmitted over the same line wire.
4787	20th Jan., 1904	Bigelow, D. E.	Kalgoorlie, W.A. ...	Improvements in rock and ore breakers.
4788	20th Jan., 1904	Tomkins, R. J.	Perth, W.A.	Wire strainer, styled "The New Century Wire Strainer."
4789	21st Jan., 1904	Blackett, J. T.	Ginsbourgh, England	An improved boring machine for use in coal or ironstone mines or the like places.
4790	21st Jan., 1904	The Morgan Crucible Company, Limited (assignee of Speirs, C. W.)	London, England...	Improvements in crucible furnaces.
4791	22nd Jan., 1904	Simmons, C.	Paignton, England	Improvements in appliances for lifting and turning drills for rock boring or other purposes.

Provisional Specifications Accepted.

Patent Office, Perth, 29th January, 1904.

APPLICATIONS for Letters Patent, accompanied by Provisional Specifications, which have been accepted from 16th to 23rd January, 1904:—

Application No. 4773.—FRANK SPARROW, of Coglan Road, Subiaco, Western Australia, Engineer, "*Improved Spark-arrester for locomotives and other engines.*"—Dated 15th January, 1904.

Application No. 4774.—JOSEPH BETTENAY, of Canning Mills, Western Australia, Carpenter, "*A New Improved Nail.*"—Dated 15th January, 1904.

Application No. 4776.—JOHN CAMPBELL, of Otley Place, Perth, in the State of Western Australia, Tent and Sail-Maker, "*An improved Water Filter, to be called 'The Simple and Perfect Filter.'*"—Dated 18th January, 1904.

Application No. 4781.—JOHN HARRIS, of Watts Street, Newcastle, in the State of New South Wales, Medical Practitioner, "*An improved Sash Fastener for windows.*"—Dated 19th January, 1904.

Application No. 4782.—BENJAMIN CHARLES BARTON, of Granville Iron Works, Granville Street, Birmingham, in the County of Warwick, England, General Metal Worker, "*Improvements in Metallic Bedsteads and the like.*"—Dated 19th January, 1904.

Application No. 4783.—JANE KEY, of "Seaview," Hampton Park, in the State of Victoria, Commonwealth of Australia, lady, "*An improved Water-heater, operated by gas or other fuel.*"—Dated 19th January, 1904.

Application No. 4784.—JANE KEY, of "Seaview," Hampton Park, in the State of Victoria, Commonwealth of Australian, lady, "*An improved Water-heater for use above open domestic fires.*"—Dated 19th January, 1904.

R. G. FERGUSON, Registrar of Patents.

Index of Applicants for Patents.

JANUARY 16TH—23RD,

Name.	Title.	No.	Date.
Bawden, J. M., and Catterall, E. H. ...	An improved double-legged coupling pin for road vehicle shafts	4785	19th Jan., 1904
Barton, B. C.	Improvements in metallic bedsteads and the like ...	4782	19th Jan., 1904
Bigelow, D. E.	Improvements in rock and ore breakers	4787	20th Jan., 1904
Blackett, J. T.	An improved boring machine for use in coal or ironstone mines or the like places	4789	21st Jan., 1904
Campbell, J.	An improved water filter, to be called "The Simple and Perfect Filter"	4776	18th Jan., 1904
Catterall, E. H.	*Vide* Bawden, J. M., and Catterall, E. H.	4785	19th Jan., 1904
Cummock, J.	*Vide* Watson, H. G., and Cummock, J.	4777	19th Jan., 1904
Dobbie, A. W.; Morley, J. E. M.; Dobbie, A. H.; and Dobbie, H. J. (assignee of Dunstone, J.)	A bird or other animal scarer	4779	19th Jan., 1904
Dobbie, A. H.	*Vide* Dobbie, A. W., and Others	4779	19th Jan., 1904
Dobbie, H. J.	*Vide* Dobbie, A. W., and Others	4779	19th Jan., 1904
Dunstone, J.	*Vide* Dobbie, A. W., and Others	4779	19th Jan., 1904
Gray, C. E., and Tolman, J. S. ...	Improvement in mechanical coin freed franking and stamping machines	4778	19th Jan., 1904
Harris, J.	An improved sash-fastener for windows	4781	19th Jan., 1904
Key, J.	An improved water-heater operated by gas or other fuel	4783	19th Jan., 1904
Key, J.	An improved water-heater for use above open domestic fires	4784	19th Jan., 1904
Knowlson, J.	An improved thermo-atmospheric valve	4780	19th Jan., 1904
Morgan Crucible Company, Limited (assignee of Spiers, C. W.)	Improvements in crucible furnaces	4790	21st Jan., 1904
Morley, J. E. M.	*Vide* Dobbie, A.W. and Others	4779	19th Jan., 1904
Simmons, C.	Improvements in appliances for lifting and turning drills for rock boring or other purposes	4791	22nd Jan., 1904
Spiers, C. W.	*Vide* Morgan Crucible Company, Ltd. (assignee of Spiers, C. W.)	4790	21st Jan, 1904
Tolman, J. S.	*Vide* Gray, C. E., and Tolman, J. S.	4778	19th Jan., 1904
Tomkins, R. J.	Wire strainer, styled "The New Century Wire Strainer"	4788	20th Jan., 1904
Turchi, C.	Improvements in apparatus for enabling telephonic and telegraphic messages to be transmitted over the same line wire	4786	20th Jan., 1904
Watson, H. G., and Cummock, J. ...	Improvements in the method of, and means for, manufacturing aerated or carbonated liquids	4777	19th Jan., 1904

Index of Subjects of Patent Applications.

JANUARY 16TH—23RD.

Title.	Name.	No.	Date.
Aerated Liquids (manufacture of)	Watson, H. G., and Cummock, J.	4777	19th Jan., 1904
Bedsteads (collapsable)	Barton, B. C.	4782	19th Jan., 1904
Boring Machine	Blackett, J. T.	4789	21st Jan., 1904
Carbonated Liquids (manufacture of)	*Vide* Aerated Liquids	4777	19th Jan., 1904
Coupling Pins for vehicle shafts	Bawden, J. M., and Catterall, E. H.	4785	19th Jan., 1904
Crucible Furnaces	*Vide* Furnaces	4790	21st Jan., 1904
Drilling Machine	*Vide* Boring Machine	4789	21st Jan., 1904
Filter	Campbell, J.	4776	18th Jan., 1904
Fireworks (apparatus for automatically letting off)	Dobbie, A. W.; Morley, J. E. M.; Dobbie, A. H.; and Dobbie, H. J.	4779	19th Jan., 1904
Furnaces	Morgan Crucible Co., Ltd. (assignee of Speirs, C. W.)	4790	21st Jan., 1904
Lifting Appliance (for rock drills)	Simmons, C.	4791	22nd Jan., 1904
Ore-breakers	Bigelow, D. E.	4787	20th Jan., 1904
Rock-boring	*Vide* Lifting Appliance for rock-drills	4791	22nd Jan., 1904
Rock-breakers	*Vide* Ore breakers	4787	20th Jan., 1904
Rock-drills	*Vide* Lifting Appliance for rock-drills	4791	22nd Jan., 1904
Sash-fastener	Harris, J.	4781	19th Jan , 1904
Shafts	*Vide* Coupling-pins for vehicle shafts	4785	19th Jan., 1904
Stamping machine (coin freed)	Gray, C. E., and Tolman, L. S.	4778	19th Jan., 1904
Telegraph Messages (transmission of)	Turchi, C.	4786	19th Jan., 1904
Thermo-atmospheric Valve	Knowlson, J.	4780	19th Jan., 1904
Valve	*Vide* Thermo-atmospheric Valve	4780	19th Jan., 1904
Water-heater	Key, J.	4783	19th Jan., 1904
Water-heater	Key, J.	4784	19th Jan., 1904
Windows	*Vide* Sash-fastener	4781	19th Jan., 1904
Wire-strainer	Tomkins, R. J.	4788	20th Jan., 1904

Index of Patentees.

JANUARY 16TH—23RD.

Name.	Title.	No.	Date.	*Gazette.* Date.	No	Page
Crawford, B.	Improved means for silencing the exhaust of gas and other explosive engines	4299	21st Feb., 1903	20th Nov., 1903	47	3093
Fox, G.	*Vide* Wallis, G. P., and Fox, G.	4685	5th Nov., 1903	20th Nov., 1903	47	3094
Green, M. R.	An improved device to prevent the fraudulent refilling of bottles	4673	3rd Nov., 1903	20th Nov., 1903	47	3094
Johnson, J.	An improved pneumatic foot	4286	17th Feb., 1903	20th Nov., 1903	47	3093
Mills, J.	An improved table attachment for games with balls and cue	4679	3rd Nov., 1903	20th Nov., 1903	47	3094
Palmer, J. E.	Improved compound for branding cattle, horses, and the like animals	4645	13th Oct., 1903	20th Nov., 1903	47	3093
Parker, B.	*Vide* Sparrow, R.	4633	5th Oct., 1903	20th Nov., 1903	47	3093
Riley, L. T.	An improvement in the method of conveying gold solution from filter plates in Dehne's filter presses, or filter presses similarly constructed, without the use of filter press taps	4690	7th Nov., 1903	20th Nov., 1903	47	3094
Rose, W. T., and Rossiter, A.	A channelled wheel rim for holding a tyre of india-rubber or of like mater al	4630	3rd Oct., 1903	20th Nov., 1903	47	3093
Rossiter, A.	*Vide* Rose, W. T., and Rossiter, A.	4630	3rd Oct , 1903	20th Nov., 1903	47	3093
Sparrow, R. *(Parker B.)*	Improved method of and means for destroying rabbits, wild dogs, foxes, rats, and other like vermin	4633	5th Oct., 1903	20th Nov., 1903	47	3093
Wallis, G. P., and Fox, G.	Improvements in the method of hardening artificial stone, concrete goods, and such like	4685	5th Nov., 1903	20th Nov., 1903	47	3094
Watson, A. E.	An improved scraper for wheels or discs of agricultural implements	4692	10th Nov., 1903	20th Nov., 1903	47	3094
Wright, J.	Improvements in wire fencing standards and battens	4676	3rd Nov., 1903	20th Nov., 1903	47	3094

Index of Subjects of Patents granted.

JANUARY 16TH—23RD.

Title.	Name.	No.	Date.	Gazette. Date.	Gazette. No.	Gazette. Page.
Battens	*Vide* Standards for Wire Fencing	4676	3rd Nov., 1903	20th Nov., 1903	47	3094
Bottles	*Vide* Refilling Bottles (device to prevent)	4673	3rd Nov., 1903	20th Nov.. 1903	47	3094
Branding Compound	Palmer, J. E.	4645	13th Oct., 1903	20th Nov., 1903	47	3093
Concrete Goods	*Vide* Stone (artificial method of hardening)	4685	5th Nov., 1903	20th Nov., 1903	47	3094
Discs	*Vide* Scraper	4692	10th Nov., 1903	20th Nov., 1903	47	3094
Engines (silencing exhaust of gas)	*Vide* Exhaust of Gas (silencing)	4299	21st Feb., 1903	20th Nov., 1903	47	3093
Exhaust of Gas (silencing) ...	Crawford, B.	4299	21st Feb., 1903	20th Nov., 1903	47	3093
Metallurgy (conveying solution from filter plates)	Riley, L. T.	4690	7th Nov., 1903	20th Nov., 1903	47	3094
Pneumatic Foot	Johnson, J.	4286	17th Feb., 1903	20th Nov., 1903	47	3093
Refilling bottles (device to prevent)	Green, M. R.	4673	3rd Nov., 1903	20th Nov., 1903	47	3094
Rubber Tyres (construction of)	Rose, W. T., and Rossiter, A.	4630	3rd Oct., 1903	20th Nov., 1903	47	3093
Scraper	Watson, A. E.	4692	10th Nov., 1903	20th Nov., 1903	47	3094
Standards for Wire Fencing ...	Wright, J.	4676	3rd Nov., 1903	20th Nov., 1903	47	3094
Stone (artificial), method of hardening	Wallis, G. P., and Fox, G. ...	4685	5th Nov., 1903	20th Nov., 1903	47	3094
Table Attachment (for games)	Mills, J.	4679	3rd Nov., 1903	20th Nov., 1903	47	3094
Vermin (means for destroying)	Sparrow, R. (*Parker, B.*) ...	4633	5th Oct., 1903	20th Nov., 1903	47	3093
Wheels	*Vide* Rubber Tyres (construction of)	4630	3rd Oct., 1903	20th Nov., 1903	47	3093
Wheels	*Vide* Scraper	4692	10th Nov., 1903	20th Nov., 1903	47	3094

Trade Marks.

Patent Office, Trade Marks Branch,
Perth, 29th January, 1904.

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

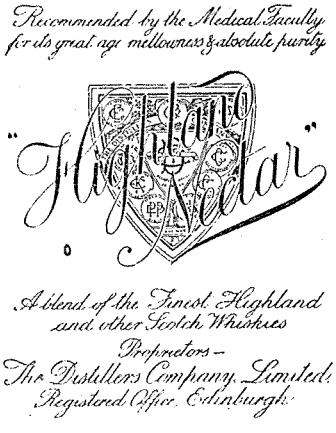
Any person or persons intending to oppose such applications must leave particulars, in writing, in duplicate (on Form F), of his or their objections thereto, within two calendar months from the date of this *Gazette*.

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.

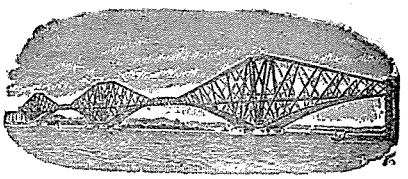
R. G. FERGUSON,
Registrar of Designs and Trade Marks.

Application No. 2949, dated 13th October, 1903.—THE DISTILLERS COMPANY, LIMITED, of 8-12 Torphichen Street, Edinburgh, Scotland, Distillers, to register in Class 43, in respect of Spirits, a Trade Mark, of which the following is a representation:—



The essential particulars of the Trade Mark are the combined words "Highland Nectar," and the combination of devices, and the applicant Company disclaims any right to the exclusive use of the word "Highland" alone, and also of the added matter, save in so far as it consists of its name and address.

Application No. 3005, dated 7th January, 1904.—CRAIG AND ROSE, LIMITED, of British Lion Wharf, Bankside, London, England; 85 Cadogan Street, Glasgow; and 172 Leith Walk, Edinburgh, Scotland, Oil, Colour, and Varnish Manufacturers, to register in Class 1, in respect of Chemical Substances used in manufactures, photography, or philosophical research and anti-corrosives, a Trade Mark, of which the following is a representation:—



Application No. 3006, dated 11th January, 1904.—PETER WOOD, JAMES GARTRELL, and WILLIAM DOUGLAS TAYLOR, trading as "G. Wood, Son, & Co," of 19 Cantonment Street, Fremantle, Wholesale Grocers, to register in Class 42, in respect of Tea, a Trade Mark, of which the following is a representation:—

GOLDEN WATTLE.

Application No. 3007, dated 12th January, 1904.—BLAKEY'S BOOT PROTECTORS, LIMITED, of Brunswick Works, Brunswick Terrace, Leeds, Yorkshire, England, Merchants, to register in Class 13, in respect of Metal Boot Protectors, a Trade Mark, of which the following is a representation:—

Applicant Company disclaims any right to the exclusive use of the words "Boot Protectors."

Application No. 3016, dated 15th January, 1904.—PETER WOOD, JAMES GARTRELL, and WILLIAM DOUGLAS TAYLOR, trading as "G. Wood, Son, & Co.," Wholesale Grocers, of 19 Cantonment Street, Fremantle, to register in Class 42, in respect of Tea and Coffee, a Trade Mark, of which the following is a representation :—

NECTAR.

Application No. 3017, dated 19th January, 1904.—W. CROSSLING, of Glyde Street, East Fremantle, in the State of Western Australia, Specialist, to register in Class 3, in respect of Chemical Substances prepared for use in medicine and pharmacy, a Trade Mark, of which the following is a representation :—

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

Application No. 3018, dated 19th January, 1904.—ROBERT HARPER AND COMPANY PROPRIETARY, LIMITED, of Nos. 390-394 Little Flinders Street, Melbourne, in the State of Victoria and Commonwealth of Australia, Merchants, to register in Class 42, in respect of Spices, Cordials (non-alcoholic), Orange Phosphate, Preserved Meats, Fish, Vegetables, Fruit, Farinaceous Foods, Cereal Foods, Culinary Essences, Food Essences, Condiments, Dairy Produce, Jams, Jellies, Preserves, Coffee and its Essences and Compounds, Chicory, Cocoa, Cooking Powders, Carraways, Ginger, Sugar, Table Oils, Desiccated Cocoanut, Honey, Hops, Condensed Milk, Dried Herbs, Ginger Beer Powders, Table Jelly Crystals, Fruit Juices, Tea, Biscuits, Confectionery, Gelatine, and Isinglass, a Trade Mark, of which the following is a representation :—

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

Application No. 3019, dated 19th January, 1904.—The persons trading together under the firm-name or style of WM. BENNETT, SONS, & Co., of Rosker Fuse Works, Gamborne, County of Cornwall, England, Fuse Manufacturers, to register in Class 20, in respect of Fuse, a Trade Mark, of which the following is a representation ;—

Three white threads running longitudinally through the powder column of the fuse.

Application No. 3020, dated 22nd January, 1904.—THE MORGAN CRUCIBLE COMPANY, LIMITED, Battersea Works, Battersea, London, England, Crucible Manufacturers, to register in Class 50, in respect of Crucibles, Scorifiers, Cupels, and other like goods, of plumbago, bone-ash, or other materials included in this class, a Trade Mark, of which the following is a representation :—

MORGANITE

Application No. 3021, dated 22nd January, 1904.—THE UNBREAKABLE PULLEY AND MILL GEARING COMPANY, LIMITED, of Gorton, Manchester, England, Manufacturers, to register in Class 6, in respect of Machinery of all kinds and parts of Machinery, except agricultural and horticultural machines included in Class 7, a Trade Mark, of which the following is a representation :—

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

Alphabetical List of Registrants of Trade Marks.

JANUARY 16TH—23RD.

Name.	Goods.	Class.	No.	Date.	Gazette. No.	Gazette. Date.	Gazette. Page.
Hannans Brewery Co., Ltd.	Invalid Stout	43	2955	14th Oct., 1903	46	13th Nov., 1903	3054
Lysaght, J., Ltd.	Galvanised iron and wire, fencing wire, sheet iron, plate iron, bar iron, and boiler plates	5	2964	3rd Nov., 1903	46	13th Nov., 1903	3054
Reddaway, F. & Co., Ltd.	Armoured hose of all kinds ...	*50	2959	27th Oct., 1903	46	13th Nov., 1903	3054
Simmons, Mick	Tobacco, whether manufactured or unmanufactured (including cigars and cigarettes), and cognate substances and goods	45	2965	3rd Nov., 1903	46	13th Nov., 1903	3054

* Sub-section 9.

Index of Goods for which Trade Marks have been registered.

JANUARY 16TH—23RD.

Goods.	Name.	No.	Date.	Class.	Gazette. No.	Gazette. Date.	Gazette. Page.
Cigarettes	*Vide* Tobacco (manufactured or unmanufactured)	2965	3rd Nov., 1903	45	46	13th Nov., 1903	3054
Cigars	*Vide* Tobacco (manufactured or unmanufactured)	2965	3rd Nov., 1903	45	46	13th Nov., 1903	3055
Hose (armoured) ...	Reddaway, F., & Co., Ltd.	2959	27th Oct., 1903	*50	46	13th Nov., 1903	3054
Iron (bar)	*Vide* Iron (galvanised)	2964	3rd Nov., 1903	5	46	13th Nov., 1903	3054
Iron (galvanised) ...	Lysaght, J., Limited	2964	3rd Nov., 1903	5	46	13th Nov., 1903	3054
Iron (plate)	*Vide* Iron (galvanised)	2964	3rd Nov., 1903	5	46	13th Nov., 1903	3054
Iron (sheet)	*Vide* Iron (galvanised)	2964	3rd Nov., 1903	5	46	13th Nov., 1903	3054
Plates (boiler)	*Vide* Iron (galvanised)	2964	3rd Nov., 1903	5	46	13th Nov., 1903	3054
Stout (invalid) ...	Hannans Brewery Co., Ltd.	2955	14th Oct., 1903	43	46	13th Nov., 1903	3054
Tobacco (manufactured or unmanufactured)	Simmons, Mick	2965	3rd Nov., 1903	45	46	13th Nov., 1903	3054
Wire (fencing) ...	*Vide* Iron (galvanised)	2964	3rd Nov., 1903	5	46	13th Nov., 1903	3054
Wire (galvanised) ...	*Vide* Iron (galvanised)	2964	3rd Nov., 1903	5	46	13th Nov., 1903	3054

* Sub-section 9.

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