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[NOTE.—Quarterly lists of Inventors, Inventions, and Designs and Trade-mark Applicants for the current year appear in *Gazettes* No. 29, of the 12th April, No. 63, of the 12th July, and No. 91, of the 25th October.]

OFFICIAL NOTICES.

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One copy of the drawings must be on blue transparent linen or tracing-cloth, 13 in. by 8 in. or 13 in. by 16 in., with a marginal line $\frac{3}{4}$ in. or 1 in. from the edge. All the lines must be absolutely black, Indian ink of the best quality being used, and the same strength of colour of the ink maintained throughout the drawing. Any shading must be in lines clearly and distinctly drawn, and as open as is consistent with the required effect. Section-lines should not be too closely drawn. No colour must be used for any purpose upon the drawing, and all letters and figures of reference must be bold and distinct. The drawings must not be folded, but be delivered at the Patent Office either in a perfectly flat state, or rolled upon a roller or in a stiff case, so as to be free from creases or breaks.

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Library.

THE library attached to the Patent Office is open free to the public during office hours. It contains, amongst others, the following publications, viz. :—

- Specifications and Drawings of Inventions patented in the United Kingdom.
- Classified Abridgments of such Inventions.
- The English Illustrated Official Journal (Patents).
- The English Trade Mark Journal.
- The Official Gazette of the United States Patent Office.
- The Canadian Patent Office Record.*
- The Patent Gazettes and Printed Specifications of the Australian Colonies.
- The Propriété Industrielle.

* This periodical may also be seen at the Free Public Libraries at Auckland and Christchurch.

Forms.

THE under-mentioned printed forms may be had on application to the Patent Office, viz. :—

- Application for Letters Patent.
- Provisional Specification.
- Complete Specification and Copy.
- Application for Registration of Design.
- Application for Registration of Trade Mark.
- Application for Extension of Time for making any payment or for lodging Complete Specification.
- Application for Registration of Subsequent Proprietor (by assignment or otherwise) of Letters Patent.
- Application for Registration of Subsequent Proprietor of Trade Mark.

Forms of Application for Letters Patent, Provisional Specification, Complete Specification (with copy), may also be obtained at all local Patent Offices and Money-order Offices.

THE following publications can be obtained from the Government Printer, viz. :—

- Printed Specifications to the end of the year 1879.
- Annual Lists of Letters Patent and Letters of Registration applied for, and Particulars of Applications lapsed and Patents lapsed, from 1880 to 1888, inclusive.
- Annual Reports of the Registrar, containing Alphabetical Lists of Applicants for Letters Patent and of Inventions patented from 1889 to 1899, inclusive.

Notice of Acceptance of Complete Specifications.

Patent Office,
Wellington, 7th November, 1900.

COMPLETE specifications relating to the under-mentioned applications for Letters Patent have been accepted, and are open to public inspection at this office. Any person may, at any time within two months from the date of this *Gazette*, give me notice in writing of opposition to the grant of any such patent. Such notice must set forth the particular grounds of objection, and be in duplicate. A fee of 10s. is payable thereon.

No. 12338.—25th January, 1900.—ERNEST ROBERT GODWARD, of Invercargill New Zealand, Engineer. Improvements in or relating to lids of cans and the like.*

Claims.—(1.) In lids for cans and the like, inclined slots or grooves formed in the flange of the lid and adapted to pass over studs or projections upon the body of the can, in combination with a tapered projection or boss upon the under-surface of the top of the lid that is formed to fit into a correspondingly tapered opening in the top of the can, as specified. (2.) In means for securing the lids or covers of cans and the like, a lid or cover whose under-side is formed with a tapered boss or projection, and whose flange is provided with inclined slots or grooves therein, in combination with a tapered opening in the top of the can, into which the boss or projection upon the lid or cover will fit, and studs or projections upon the sides of the can over which the inclined slots or grooves are adapted to pass, as and for the purposes set forth. (3.) In means for securing the lids or covers of cans and the like, a lid or cover provided with a tapered boss or projection on its under-side, and whose flange is formed with a screw-thread therein, in combination with a can provided with a tapered opening in the top thereof, and with a screw-thread upon its outer periphery, as and for the purposes set forth and explained.

(Specification, 2s. 9d.; drawings, 1s.)

No. 12492.—30th March, 1900.—WILLIAM CHAPMAN, of 5437, Potter Street, East End, Pittsburg, Pennsylvania, United States of America, Electrical Engineer. Improvements relating to electric railways.*

Claims.—(1.) In electric railways of the kind in which energy is supplied to the cars through sectional conductors, a system of distribution in which the contact feeders are connected through switch-boxes to a plurality of sectional sub-feeders, the sections of the sub-feeders being connected through a junction-box to one or more mains, for the purpose specified. (2.) Systems for supplying energy to electric railways as described and shown in the drawings. (3.) For use in the systems of electrical distribution described, switch-boxes and junction-boxes constructed substantially as described with reference to Figs. 1 and 4 of the drawings.

(Specification, 7s.; drawings, 2s.)

No. 12717.—22nd June, 1900.—HERBERT ROSE, of 15, Surrey Road, South Yarra, Victoria, Geologist, and WILLIAM HOOKIN, of 20, Avoca Street, South Yarra aforesaid, Gentleman. An improved automatic or self-acting gravity wheel.*

Claims.—(1.) A framed wheel or disc rotably mounted upon a shaft or axle, and fitted with a double set of stops, a series of steel spindles or bearings intermediate to the stops, a principal weight and an auxiliary weight loosely mounted upon such spindles, and projecting arms rigidly fastened to the principal weights, substantially as described and illustrated. (2.) In a framed wheel or disc, the combination of a series of principal weights (each weight being more or less pear-shaped, and having a rigid arm affixed thereto) and a series of auxiliary weights, each being approximately one-third lighter than the principal weights, such principal weights and auxiliary weights being mounted loosely on spindles common to both, substantially as described and illustrated. (3.) The specified gravity wheel constructed and arranged substantially as described and illustrated, as and for the purposes set forth, as a combination of parts.

(Specification, 5s.; drawings, 1s.)

No. 13027.—29th September, 1900.—HENRY GEORGE BENDALL, of Wellington, New Zealand, Plumber. Improved means for securing guttering to houses.*

[NOTE.—The title in this case has been altered. See list Provisional Specifications, *Gazette* No. 87, of the 11th October, 1900.]

Claim.—In means for securing guttering to houses, supporting-brackets composed of springy metal, and whose width is made somewhat less than the width of the gutter, such brackets being secured to the sides of the house, and adapted to spring upon and grip the sides of the gutter when pressed down upon them, as specified.

(Specification, 1s. 6d.; drawings, 1s.)

No. 13045.—5th October, 1900.—FRANCIS VICTOR RAYMOND, of Esk Street, Invercargill, New Zealand, Solicitor. An improved attachment for keeping liquid-carrying brushes moist.

Claims.—(1.) In brushes carrying their own liquid in their hollow stems or handles, the method of placing such brushes on stands containing wet spongy substances for keeping the brushes moist and ready for use, substantially as set forth, and as shown on the drawing. (2.) A brush such as A, A¹, placed on a hollow stand containing moisture, preferably provided with a cover C and projecting guide D, the moisture preferably kept up by being contained in a spongy substance which remains wet or moist by capillary action, thereby keeping the brush moist, all substantially as set forth, and for the purposes indicated. (3.) A spongy substance kept moist by capillary action, placed in a hollow receptacle, for the purpose of keeping a brush used for semi-liquid or drying liquids moist, substantially as described and explained.

(Specification, 1s. 6d.; drawings, 1s.)

No. 13053.—8th October, 1900.—CHARLES MILLER, of Alton Street, Nelson, New Zealand, Photographer. Improved cribbage-board.

Description.—The board is made of wood, in two parts, hinged to close up face to face. The usual perforated streets are replaced by bars of magnetized steel A placed across the board below the surface. There are three bars for each half of the board. A thin strip of cardboard or paper (white) punctured with holes is placed over each end of the bars, in close contact, and covering the space shown by C. The divisions B of the holes may be of any suitable colour. The surface of the streets is composed of strips of thin glass, slightly ground to present a certain amount of friction to the pegs, and the same size as the cardboard or paper on which they rest. The glass strips fit into rabbets all round (shown by the dotted lines), and their surfaces come even with the surface of the board. The magnetic circuit may be kept open or closed by small rods of wood D, with a cross-piece of metal attached to one end of each, and which connects the magnets. When in use the cross-pieces attached to the rods D must be drawn out to the position E, so that each magnet will contain its full strength. The back of each half of the board contains a box for a cribbage and euchre pack of cards, and pegs. The pegs are of wood, with flat metallic bases. The board is closed, and held by a hook-and-eye G. The spaces F are the wooden partitions between the bars A.

Claim.—My improved board and pegs for marking at cribbage and the like, substantially as described, or illustrated by drawings.

(Specification, 1s. 6d.; drawing, 1s.)

No. 13089.—19th October, 1900.—LAWFORD GODFREY REEVES, of Dunedin, New Zealand, Accountant. Smoke-conveyer and spark-extinguisher.

Claims.—(1.) In railway engines and carriages, the combination of the exhaust smokestack of the engine with tubes such as A, A¹, A², B, and C, for creating a draught and conveying all smoke to the rear of the train, extinguishing sparks in the process, substantially as described and explained, and as illustrated in the diagram. (2.) In combination, the smoke part of the chimney-stack of a locomotive engine bent to enter a horizontal tube A², with a tube running to the rear of the train A, A, having junction-pieces B or C, all substantially as shown on the diagram, described, and for the purposes specified.

(Specification, 1s. 6d.; drawings, 1s.)

No. 13095.—26th October, 1900.—The Honourable WALTER ROTHSCHILD, Banker, of New Court, St. Swithin's Lane; GERALD DUDLEY SMITH, Banker, of 1, Lombard Street; and JAMES ARMSTRONG WILDING, Engineer, of 11, Clerkenwell Close, all in London, England. Improvements in or relating to ammunition-boxes.

Claims.—(1.) In an ammunition-box for machine guns, gripping the cartridge-band for the purpose described. (2.) In an ammunition-box for machine guns, a device whereby the cartridge-band may be instantaneously gripped, for the purpose described. (3.) In an ammunition-box for machine guns, a device operated by lowering and raising the lid, whereby the cartridge-band may be instantaneously gripped when firing is stopped, or released when firing is to be resumed, substantially as and for the purpose described. (4.) In an ammunition-box, the combination with a fixed supporting edge such as A⁴ of an oppositely arranged movable tongue such as B, with or without a spring control for the supporting edge or tongue, substantially as and for the

purpose described. (5.) In an ammunition-box, the combination with a recess such as A⁸ at one end of the box, having a rounded operative edge, of an opposed rounded tongue such as B secured to the lid of the box, substantially as and for the purpose described. (6.) In an ammunition-box, the combination with a fixed supporting edge such as A⁴ of a tongue such as B, the opposing face of one member lying in a different plane from that of the other, substantially as and for the purpose described. (7.) In an ammunition-box, the combination with a device which instantaneously grips the cartridge-band when the lid of the box is closed, of a catch arranged at the side of the box so that the lid may be slightly raised while the gun is firing and can be immediately depressed and the cartridge-band gripped when firing ceases, substantially as described. (8.) The complete ammunition-box substantially as described, and illustrated in the drawings.

(Specification, 5s.; drawings, 1s.)

No. 13097.—26th October, 1900.—MARCONI'S WIRELESS TELEGRAPH COMPANY, LIMITED, of 18, Finch Lane, Threadneedle Street, London, England (assignee of Guglielmo Marconi, of 18, Finch Lane, aforesaid, Electrician). Improvements in receivers for electrical oscillations.

Claims—(1.) In a receiver for electrical oscillations, the combination of an induction coil the secondary of which is wound in two parts, an aerial conductor connected to one end of the primary, a capacity connected to the other end of the primary, a detector connected to the outer ends of the secondary, and a local circuit connected to the inner ends of the secondary. (2.) In apparatus such as is referred to in claim 1, placing a condenser across the inner ends of the secondary.

(Specification, 2s. 3d.; drawings, 1s.)

No. 13098.—26th October, 1900.—ARTHUR STANDISH HARRICK, of Heyfield, Victoria, Mounted Constable of Police. An improved adjustable clump sole for footwear.

Extract from Specification.—I cut a hide of leather, or sheet of other suitable composite material (such as various gutta-percha or indiarubber and cork compositions), into straight strips of the desired width and length so that there shall be no waste, and these I coil or wind helically (whilst preserving the shape or outer contour of a sole), and mould them so that they will retain the said peculiarities when removed from the mould. Instead of being cut into strips and moulded, my improved adjustable clump sole may be stamped out of the hide.

Claim.—An improved adjustable clump sole for footwear, consisting of a strip of leather or the like formed or moulded as illustrated in the drawing, and for the purposes specified.

(Specification, 2s.; drawings, 1s.)

No. 13099.—26th October, 1900.—JOHN HODGSON LEE, of 4, Elm Grove, Peckham, Surrey, England, Gentleman. Improvements in the treatment of ores.

Claim.—The process of treating ores which consists in mixing the powdered ore into a pasty mass with carbonaceous material, carbonising the same, and decarbonising, substantially as described.

(Specification, 1s. 6d.)

No. 13100.—26th October, 1900.—THE BRITISH WESTINGHOUSE ELECTRIC AND MANUFACTURING COMPANY, LIMITED, of Westinghouse Building, Norfolk Street, Westminster, England, Manufacturers (assignees of Gilbert Wright, of 409, Ross Avenue, and Christian Aalborg, of 218, Franklin Street, both in Wilkesburg, Pennsylvania, United States of America, Electrical Engineers). Improvements in insulating supports for electrical conductors.

Claims.—(1.) For electric conductors, an insulating supporting block having a central aperture, transverse side grooves, a recess surrounding the aperture at one end, and a corresponding boss on the opposite end, substantially as described. (2.) The application of a number of insulating supporting blocks such as claimed in claim 1 for supporting conductors on a plurality of laterally projecting brackets, each of which has a plurality of upwardly projecting hollow bosses received in the recesses of the supporting blocks and clamped by bolts passing through the apertures of the same, substantially as described, and shown in Fig. 1 of the drawings. (3.) Insulating supports for electric conductors, substantially as described with reference to Figs. 2, 3, and 4 of the drawings, for the purpose specified.

(Specification, 2s.; drawings, 1s.)

No. 13101.—26th October, 1900.—THE BRITISH WESTINGHOUSE ELECTRIC AND MANUFACTURING COMPANY, LIMITED, of Westinghouse Building, Norfolk Street, Westminster, England, Manufacturers (assignees of Percy Holbrook Thomas, of 4516, Forbes Street, Pittsburg, Pennsylvania, United States of America, Electrical Engineer). Improvements in means for protecting electrical apparatus from abrupt changes in static potential.

Claims.—(1.) Means for protecting electrical apparatus from abrupt changes in static potential, comprising an impedance body between the source of static disturbance and the apparatus to be protected, and a condenser connected by one terminal between the impedance body and the apparatus to be protected and by the other terminal to a body or bodies having electro-static capacity with such windings of the apparatus to be protected as are electrically connected to the circuit in which the disturbance occurs, or to a body having approximately the same potential as the said body or bodies, and with or without a discharge-path containing one or more spark-gaps, such as a lightning-arrester, connected in parallel with the condenser and having one of its terminals joined to the impedance coil on the side remote from that to which the condenser is connected. (2.) Means for protecting electrical apparatus from abrupt changes of static potential comprising an impedance body in series with the winding to be protected and a condenser in shunt, but nearer to the winding than the impedance body. (3.) The systems of protecting electrical apparatus from abrupt changes in static potential substantially as described, and as shown in the drawings.

(Specification, 5s. 3d.; drawings, 1s.)

No. 13102.—26th October, 1900.—THE BRITISH WESTINGHOUSE ELECTRIC AND MANUFACTURING COMPANY, LIMITED, of Westinghouse Building, Norfolk Street, Westminster, England, Manufacturers (assignees of Benjamin Garver Lamme, of 230, Stratford Avenue, Pittsburg, Pennsylvania, United States of America, Electrical Engineer). Improvements in polyphase induction motors.

Claims.—(1.) A polyphase induction motor in which the primary member is provided with a plurality of sets of coils for producing a corresponding number of rotating magnetic fields differing from each other as to the number of poles, the coils for producing the minimum number of poles being located in the bottoms of the core-slots, and those for producing the maximum number of poles being located adjacent to the upper or open ends of the slots, for the purpose specified. (2.) A three-phase induction motor having a primary member provided with three sets of windings located in the core-slots, as shown in the drawings.

(Specification, 2s. 3d.; drawings, 1s.)

No. 13103.—26th October, 1900.—THE BRITISH WESTINGHOUSE ELECTRIC AND MANUFACTURING COMPANY, LIMITED, of Westinghouse Building, Norfolk Street, Westminster, England, Manufacturers (assignees of Norman Wilson Storer, of Edgewood Park, Allegheny, Pennsylvania, United States of America, Electrical Engineer). Improvements relating to the distribution of electric currents.

Claims.—(1.) The method of maintaining a constant electro-motive force in a circuit supplied with energy from a source of variable electro-motive force, which consists in impressing directly upon said circuit a variable electro-motive force that is substantially equal to the difference between the electro-motive force desired and that supplied to the circuit by the main generator. (2.) In a system of electrical distribution having a main circuit and a branch circuit, three dynamo-electric machines the armatures of which are mechanically connected, the first machine being connected across the main circuit and having a normally saturated field magnet, the second machine having an unsaturated field magnet, and having one of its terminals connected to one side of the main circuit and the other of its terminals connected to one terminal of the field-magnet winding of the third machine, the armature of this latter machine being included in the branch circuit for the purpose of automatically maintaining constant the voltage of such branch circuit, or for increasing or decreasing the voltage of the same so as to make it higher or lower than that of the main circuit. (3.) The combination of three dynamo-electric machines, or of a motor generator and a dynamo-electric machine connected to main and branch circuits, substantially as described with reference to the drawings, for the purpose specified.

(Specification, 4s.; drawings, 1s.)

No. 13108.—22nd October, 1900.—JOHN HENRY GAY, of Oamaru, New Zealand, Quarry-manager. Improved reversing travelling stone-sawing machine.

Claims.—(1.) In a travelling stone-sawing machine, the method of placing the saws at one end of a truck so as to cut vertically flush with the front of same, combined with the method of reversing the truck, and consequently the saws with it, so that the saws enter each other's cut and cut back vertically to the back end of the outs, substantially as described and shown, and for the purposes as set forth. (2.) In combination, on a mass of stone suitable for sawing, A, a truck B, B', with arrangements for turning same and lifting when necessary, D, D', E, E', E'', all substantially as described and explained, and as illustrated in the drawing. (Specification, 2s. 6d.; drawings, 1s.)

No. 13109.—25th October, 1900.—WILLIAM GEORGE TILLEY, of Wanganui, New Zealand, Bookbinder. An improvement in ruling-machines.

Claims.—A striker-frame holding one or more pen-racks, for use in conjunction with a paper-ruling machine. A striker-frame holding one or more pen-racks, having the ends of same fitted to slot in striker-frame, and adjustable to any distance apart, in connection with a paper-ruling machine. A striker-frame holding one or more pen-racks, having on one side a stud fixed, and connected with a lever *f* fixed to a cross-head on frame of machine, to lift the pen-racks and striker-frame, the same having set-screw at the end of same to regulate the pressure, in conjunction with a paper-ruling machine, substantially as described in the drawings and specifications. (Specification, 1s. 9d.; drawings, 1s.)

No. 13112.—29th October, 1900.—THE BRITISH WESTINGHOUSE ELECTRIC AND MANUFACTURING COMPANY, LIMITED, of Westinghouse Building, Norfolk Street, Westminster, England, Manufacturers (assignees of Percy Holbrook Thomas, of 4516, Forbes Street, Pittsburg, Pennsylvania, United States of America, Electrical Engineer). Improvements in means for protecting electrical apparatus from abrupt changes in static potential.

Claims.—(1.) For electric circuits, a protecting device comprising one or more series gaps, one or more gaps shunting one or more impedance bodies, and an impedance body in series with the gaps, substantially as described. (2.) For electric circuits, protecting devices arranged and operating substantially as described with reference to the drawings. (Specification, 5s. 3d.; drawings, 1s.)

No. 13113.—29th October, 1900.—ROBERT TURNBULL, of Willis Street, Wellington, New Zealand, Electrical Engineer. Improved means for conveying electrical energy to dredges or other floating vessels and to portable machinery.

Claims.—(1.) In means for conveying electric power from the source of supply to movable machinery, a flexible suspender cable that is led from a support to the machinery to be operated and at each end provided with counterweights whereby it may be kept taut, means whereby such suspender cable may be lengthened or shortened, and means depending from such cable for carrying electric conductor-wires, as set forth. (2.) A suspender cable such as that referred to in claim 1, in combination with a number of carriers or spreaders mounted thereon, such carriers or spreaders being made of any suitable insulating material, and so disposed and arranged as to carry electric conductor-wires in such a manner as to prevent them coming in contact with each other, as specified, and for the purposes set forth. (3.) A suspender cable that is led from a carrying support to the machinery to be operated, and provided with counterweights at each end whereby the cable may be kept taut, and with means whereby such cable may be lengthened or shortened as the machinery is moved about within a limited area, in combination with an electric or other signal that will be automatically caused to sound when the counterweights have been pulled to their highest positions, as specified.

(Specification, 5s. 3d.; drawings, 1s.)

No. 13120.—31st October, 1900.—WILLIAM ANDERSON, of 44, Mill Street, Pyrmont, near Sydney, New South Wales, Engineer. Improvements in sheep-trucks.

Claims.—(1.) In a railway sheep-truck, a grill consisting of a rigid frame with a series of parallel bars, either rigid or flexible, capable of being raised and lowered at will, substantially as described, and as illustrated in the drawings. (2.) In a railway sheep-truck, the combination of a grill consisting of a rigid frame with a winding-mechanism of the nature and for the purpose substantially as set forth.

(Specification, 2s.; drawings, 1s.)

No. 13121.—31st October, 1900.—JOHN HENRY COOKE, of Ivanhoe, Francis Street, Bairnsdale, Victoria, Pianoforte-tuner, and JOHN STUART HOWARD HAMMOND, of York Street Sale, Victoria, Financier. An improved non-puncturable pneumatic tire for the wheels of cycles and other road vehicles.

Claims.—(1.) A non-puncturable pneumatic tire for the wheels of cycles and other road vehicles, having an outer cover lined with layers of closely woven textile materials impregnated with resin, substantially as and for the purposes described and explained. (2.) In a non-puncturable pneumatic tire for the wheels of cycles and other road vehicles, an outer cover first lined with canvas, then with a number of thicknesses of linen and unbleached calico, and then with a final layer of canvas, the whole of said textile materials being impregnated with resin, substantially as and for the purposes described and explained. (Specification, 2s. 3d.)

No. 13123.—31st October, 1900.—WILLIAM BRADLEY, of Ascot Vale, South Australia, Plumber. Improvements in acetylene-gas generators.

Claims.—(1.) In acetylene-gas generators, a carbide chamber or chambers such as E, set at an angle of 45° or thereabouts, said chambers for the most part being submerged in water, and having an opening and cover at the bottom end, whilst the top is provided with a water-supply-pipe opening such as O2 and a gaspipe such as G, substantially as described and illustrated, and for the purposes set forth. (2.) In acetylene-gas generators, a carbide-cartridge such as F, provided with open or perforated division-plates such as F1, a longitudinal tunnel such as F2, and a splash-trough such as f2, substantially as described and illustrated. (3.) In acetylene-gas generators, comprising the carbide-chamber and the carbide-cartridge as above claimed, a sleeve such as F4 for the reception of the carbide-cartridge, substantially as described and illustrated. (4.) In acetylene-gas generators as described, the combination of an inlet-cup such as M and a flexible pipe such as N, with a weight-governed lever L, in connection with the supply of water to the carbide, substantially as described and illustrated. (5.) In acetylene-gas generators, a test-pipe such as H, provided with a test-cock H1, the said pipe being in direct communication with the gaspipe G or carbide-chamber E, as and for the purposes set forth. (6.) In acetylene-gas generators provided with carbide-chambers as above claimed, the pipe or pipes such as O leading from the reservoir through the interior of the body of the appliance and entering the carbide-chamber at its upper end, an extension of the said pipe or pipes being open above the water-level and outside of the generator at O1 for safety purposes, the whole constructed and arranged in such a manner that the water comes into contact with the bottom carbide-compartment, and from thence into the superimposed compartments in regular order, as described and illustrated, and for the purposes set forth. (7.) The described acetylene-gas generator, substantially as illustrated, as and for the purposes set forth, as a combination of parts.

(Specification, 8s. 3d.; drawings, 2s.)

No. 13124.—31st October, 1900.—CHARLES STANLEY, of 1631, McAllister Street, San Francisco, California, United States of America, Mechanical Engineer. Improvements in air-ships.

Claims.—(1.) In an air-ship, a buoyant structure having one or more end propellers, and also vertically-acting propellers for transmitting ascensional and descensional force, and provided further with a series of side planes pivoted along each side, and connected together for simultaneous adjustment. (2.) In an air-ship, the combination with a buoyant shell of a series of side planes, arranged along the side of the ship in a normal horizontal line and substantially continuous, such planes being independently pivoted, and connected together so as to be simultaneously and pivotally movable. (3.) In an air-ship, a buoyant shell having a gas-space separated from an accommodation-space below, in combination with parachute-tubes extending vertically through the gas-space, and parachutes adapted to be concealed in folded form within such tubes, and to expand above said tubes and the shell. (4.) A hollow buoyant hull for an air-ship, provided with a double partition which divides the interior into a main gas-space, an accommodation-space, and an intermediate gas-expansion space, the latter communicating with the main gas-space, and valves controlling the communication.

(Specification, 8s.; drawings, 2s.)

No. 13126.—29th October, 1900.—JOHN CORBETT, of Ore-puki, New Zealand, Mine-manager, and JOHN MOFFETT, of Invercargill, New Zealand, Barrister and Solicitor. Improvements in appliances for breaking up gold-bearing materials, especially of a puggy nature, and for saving gold on dredges and the like.

Claims.—(1.) In appliances for gold-saving, especially where the wash C is of a puggy nature, the combination of a box A, into which the wash C is delivered, equipped, when necessary, with blades B, and played on by jets or a jet F, with a grating E, and a distributing-, spreading-, or dividing-box J, to the tables K, all substantially as described and shown, and for the purposes set forth. (2.) In gold-saving tables, the combination of such tables and their usual mats K and Q, with rods and levers such as M, M', N, O, P, for tightening the mats and enabling them to be locked by the device such as L, all substantially as described and explained, and as shown on the drawing. (3.) In combination, the method of breaking up puggy wash O, such as A, B, F, G, of saving such as escapes from the elevator by a device such as I, attached to H, and the method of distributing the wash, such as J, with the locking-device such as L, M, M', N, O, P, all substantially as set forth, and as shown on the drawing.

(Specification, 3s. 9d.; drawings, 1s.)

No. 13132.—29th October, 1900.—GEORGE LEE and HENRY WILLIAM PARSONS, both of Waikaka, New Zealand, Dredge-masters and Mine-managers. Improvements in gold-saving appliances, especially for dealing with clay and large stones.

Claims.—(1.) In gold-saving tables or boxes used with or without revolving screens, the combination with the boxes B, B, and a special tailings-box F, of a revolving wheel carrying bent arms such as C, C, for lifting lumps and thus freeing the tables, substantially as described and as explained, and as illustrated in the drawing. (2.) In combination, when used on a dredge, top tumbler A, buckets A', shute to the screen or tables B, with a revolving set of arms shaped to catch lumps C, C, working on D and E, and depositing the lifted lumps into F, all substantially as described and shown, and for the purposes set forth.

(Specification, 1s. 6d.; drawings, 1s.)

F. WALDEGRAVE,
Registrar.

An asterisk (*) denotes the complete specification of an invention for which a provisional specification has been already lodged.

NOTE.—The cost of transcribing the specification, and an estimate of the amount required for copying the drawings, have been inserted after the notice of each application. An order for a copy or copies should be accompanied by a post-office order or postal note for the cost of copying.

The date of acceptance of each application is given after the number.

Provisional Specifications.

Patent Office,
Wellington, 7th November, 1900.

APPLICATIONS for Letters Patent, with provisional specifications, have been accepted as under:—

No. 12790.—17th July, 1900.—UNITED SHOE-MACHINERY COMPANY, of Paterson, New Jersey, United States of America, a corporation organized under the laws of the State of New Jersey, and having its principal place of business at 111, Lincoln Street, Boston, Massachusetts, United States of America (assignee of Ronald Francis McFeely, of Beverly, Massachusetts aforesaid, Inventor). An improved pulling-over machine for use in the manufacture of boots and shoes.

No. 13077.—20th October, 1900.—GEBALD IRVIN LOWE, of Hastings, Hawke's Bay, New Zealand, Farmer. An improvement or improvements in flooring- and ceiling-cramps.

No. 13082.—19th October, 1900.—CHARLES JOSEPH COOZE, of Carterton, New Zealand, Carriage-trimmer. An improved appliance for washing or cleaning all kinds of clothes or fabrics.

No. 13083.—22nd October, 1900.—EDWARD CARTER, of Woolston, Canterbury, New Zealand, Provision Dealer. Improvements in and connected with street fire-alarm boxes.

No. 13086.—20th October, 1900.—WILLIAM THORNTON FIRTH and EDWARD THOMPSON FIRTH, of Auckland, New Zealand, Pumice Merchants. An improved pumice insulator for the exclusion of heat, cold, or sound.

No. 13087.—2nd November, 1900.—GEORGE SMART, HERBERT SMART, and ALLAN KIDDIE SMART (trading as "Smart Brothers"), Stratford, Taranaki, New Zealand, Plumbers and Tinsmiths. An improved milk-aerator.

No. 13088.—23rd October, 1900.—JOHN BURNS, of 143, City Road, South Melbourne, Victoria, Engineer. An improvement in or relating to pumps.

No. 13090.—20th October, 1900.—JAMES TYRRELL, Jun., of Queenstown, New Zealand, Plumber. Improved gold-saving ripples.

No. 13092.—23rd October, 1900.—JOHN JAMES ROBERT CHARLES ROGERS, of Balmain, Sydney, New South Wales, Electrical Engineer. An improved electro-magnet.

No. 13096.—26th October, 1900.—JOHN PATRICK MAIN, of 13, Durham Street, Ballarat, Victoria, Engineer. Machine for ventilating mines, ships, boats, buildings, cellars, holds, excavations, and other places.

No. 13104.—26th October, 1900.—JAMES BENJAMIN POYNTER, of the Bluff, New Zealand, Accountant. An improved method of constructing fireplaces.

No. 13105.—22nd October, 1900.—GEORGE JAMES ADDISON RICHARDSON, of Invercargill, New Zealand, Mechanical Engineer. A spark-extinguisher for locomotive and portable engines and the like.

No. 13106.—23rd October, 1900.—JOHN WARD, of Esk Street, Invercargill New Zealand, Printer and Publisher. Improvements in tobacco-pipes and the like.

No. 13107.—24th October, 1900.—NORMAN TOWNSEND, of Leeston, Canterbury, New Zealand, Blacksmith. A smoothing-iron with self-sustaining oil heater.

No. 13110.—26th October, 1900.—EDWARD SEQUE and ALBERT EDWARD RAPER, of 378, Great King Street, North Dunedin, New Zealand, Labourers. A hydraulic-dredge bucket cleaner and gold-saver.

No. 13111.—29th October, 1900.—GEORGE SMART, Plumber, and ROBERT WALKER ASHCROFT, Tinsmith, both of Stratford, Taranaki, New Zealand. Splash-proof rim for milk-can lids and the like.

No. 13114.—27th October, 1900.—ROBERT MCGAFFIN, of Hastings, Hawke's Bay, New Zealand, Contractor. Improvements in disc harrows.

No. 13116.—30th October, 1900.—HARRY SHAW, of the Torpedo Corps, Wellington, New Zealand, Engineer. An improved knife-cleaning machine.

No. 13125.—30th October, 1900.—JAMES MACNAMARA FALCONE, of Endsleigh, near Enfield, Oamaru, New Zealand, Farmer. An improved wire strainer and cutter.

No. 13128.—31st October, 1900.—EDWARD SMETHURST, of Aberdeen Street, Christchurch, New Zealand, Commission Agent. An improved fence-dropper or drop standard.

No. 13130.—2nd November, 1900.—DAVID JAMES YOUNG, of Patea, New Zealand, Plumber. Improvements in portable shower-baths.

No. 13131.—2nd November, 1900.—DONALD ROBERTSON, of General Post Office, Wellington, New Zealand, Civil Servant. Improvements in envelopes.

No. 13134.—2nd November, 1900.—FREDERICK JOHN WILLIAM GASCOYNE, of Hastings, Hawke's Bay, New Zealand, late Major in H.M. New Zealand Militia, and HUNTER HENRY MURDOCH, of Hastings aforesaid, Patent Agent. Improved means or apparatus for separating nuggets of gold from tailings or refuse in gold-dredges.

No. 13135.—5th November, 1900.—HUGH RODGER SLOAN, M.D., of Hawera, New Zealand, Medical Practitioner. Cog-wheel trap-seat adjuster.

F. WALDEGRAVE,
Registrar.

NOTE.—Provisional specifications cannot be inspected, or their contents made known by this office in any way, until the complete specifications in connection therewith have been accepted.

The date of acceptance of each application is given after the number.

Letters Patent sealed.

LIST of Letters Patent sealed from the 25th October, 1900, to the 7th November, 1900, inclusive:—

No. 11809.—J. E. Jenkinson, pollard-cutter (G. H. Jenkinson).

No. 11822.—B. W. Glass, wool-drier.

No. 11865.—T. Hawke, horse-cover.

No. 11870.—P. Lanigan, diving-gear.

No. 11875.—P. and D. Duncan, Limited, manure-discharge for sower.

No. 11877.—A. Morrow, fish-hook.

No. 12743.—H. A. Wilson, wire-strainer.

No. 12768.—V. Thomas, manufacturing lamp-filaments.

No. 12825.—T. H. Pearse, cotton-gin or wool-burrer (M. Prior).

No. 12829.—Grenier Art Company, coloured photograph (P. M. C. Grenier).

No. 12830.—The General Metal-reduction Company, Limited, treating zinc-ores (G. de Bechi).

No. 12831.—The General Metal-reduction Company Limited, producing zinc-oxide (G. de Bechi).

No. 12832.—W. L. Voelker, electric lamp.

No. 12833.—W. L. Voelker, lamp-filament.

No. 12834.—C. Clamond, stove.

No. 12836.—W. Kingsland, electric-switch controller.
 No. 12837.—United Shoe-machinery Company, boot and fastening (L. A. Casgrain).
 No. 12856.—G. W. Penney, turnip shaver and lifter.

F. WALDEGRAVE,
 Registrar.

Letters Patent on which Fees have been paid.

[NOTE.—The dates are those of the payments.]

SECOND-TERM FEES.

NO. 8997.—D. White and T. M. Simpson, extracting metals from slimes. 25th October, 1900.
 No. 9048.—Parke and Lacy Company, furnace. (A. Ropp.) 25th October, 1900.
 No. 9106.—H. Pape and W. Henneberg, grading ore. 26th October, 1900.
 No. 9891.—C. de Estève-Llatas, manufacturing steel. 26th October, 1900.

THIRD-TERM FEES.

No. 6531.—The Aome Batten Syndicate and J. Mitchell, scouring corrugated iron. 30th October, 1900.
 No. 6538.—The English De Laval Steam-turbine Company, Limited, turbine-wheel. (C. G. P. de Laval.) 26th October, 1900.
 No. 6545.—J. W. Wade, skylight-frame. 24th October, 1900.

F. WALDEGRAVE,
 Registrar.

Subsequent Proprietors of Letters Patent registered.

[NOTE.—The name of the patentee is given in brackets; the date is that of registration.]

NO. 6988.—Rubys, Limited, of No. 33, Park Road, Battersea, Surrey, England, Manufacturers, artificial-fuel blocks. [W. B. Hartridge.] 27th October, 1900.
 No. 10998.—The Wapshare Tube Company, Limited, of No. 3, Cross Lane, Eastcheap, London, England, a company incorporated and registered under the Imperial Companies Acts, pneumatic tire. [E. T. D. Bell—R. Wapshare.] 27th October, 1900.
 No. 12679.—Illinois Reduction Company, a corporation organized and existing under the laws of the State of Illinois, United States of America, and having its principal office at Room No. 904, No. 115, Monroe Street, Chicago, Illinois aforesaid, Manufacturers, extracting metals from ores. [E. Waters, jun.—Illinois Reduction Company—E. A. Smith and M. H. Lyng.] 27th October, 1900.

F. WALDEGRAVE,
 Registrar.

Application for Letters Patent withdrawn.

NO. 19077.—G. I. Lowe, flooring-cramp. (Advertised in present Supplement to *New Zealand Gazette*.)

F. WALDEGRAVE,
 Registrar.

Applications for Letters Patent abandoned.

LIST of applications for Letters Patent (with which provisional specifications only have been lodged) abandoned from the 25th October, 1900, to the 7th November, 1900, inclusive:—

No. 12262.—A. Dornbusch, railway-coupling.
 No. 12263.—C. H. Gould, smoke-preventer and fuel-economizer.
 No. 12264.—G. Lindsay, propelling vessels.
 No. 12265.—A. Milne, preventing sinking of vessel.
 No. 12267.—J. R. Park, gold-saving screen and table.
 No. 12272.—J. Knight and W. A. Jennings, printers' galley.
 No. 12279.—J. J. Harris and E. Toft, saddle or seat.
 No. 12288.—T. M. Lewington, fly-paper holder.

F. WALDEGRAVE,
 Registrar.

Applications for Letters Patent lapsed.

LIST of applications for Letters Patent (with which complete specifications have been lodged) lapsed from the 25th October, 1900, to the 7th November, 1900, inclusive:—

No. 11554.—R. L. H. Murray, graphophone.
 No. 11600.—P. A. and E. B. Vaile, tap.

F. WALDEGRAVE,
 Registrar.

Letters Patent void.

LIST of Letters Patent void through non-payment of fees from the 25th October, 1900, to the 7th November, 1900, inclusive:—

THROUGH NON-PAYMENT OF SECOND-TERM FEES.

No. 8688.—W. H. Price, spray pumps.
 No. 8690.—R. J. E. Metzenthin, last.
 No. 8692.—F. de J. Clere, window-sash and frame.
 No. 8697.—E. A. Ashcroft, treating zinc-ores.
 No. 8698.—C. F. Cooper and J. E. Mansfield, milk-bucket.
 No. 8706.—J. Tuck, bicycle-brake.
 No. 8712.—J. Martin, machine sheep-shears. (H. Bland.)
 No. 8715.—W. G. M. Foots and O. P. Clayton, extracting metals from ores.
 No. 8716.—G. W. N. Hamilton, enamel paint.
 No. 8717.—E. R. Cahoon, stove.
 No. 8719.—A. K. Huntington, hydrocyanic acid.
 No. 8720.—H. J. Inwood and T. Timmins, water-main scraper.

THROUGH NON-PAYMENT OF THIRD-TERM FEES.

No. 6325.—J. Muir, wool-press.
 No. 6337.—G. G. Turri, sheep-shearing machine. (F. H. Davis.)

F. WALDEGRAVE,
 Registrar.

Applications for Registration of Trade Marks.

Patent Office,
 Wellington, 7th November, 1900.

APPLICATIONS for registration of the following trade marks have been received. Notice of opposition to the registration of any of these applications may be lodged at this office within two months of the date of this *Gazette*. Such notice must be in duplicate, and accompanied by a fee of £1.

No. of application: 3207.

Date: 18th October, 1900.

TRADE MARK.



NAME.

THE PHOENIX COMPANY, LIMITED, of Dunedin, New Zealand, Manufacturers.

No. of class: 42.

Description of goods: Biscuits, farinaceous food, confectionery, chocolate, cocoa, table-jelly preparations, peel, jam, marmalade, treacle, honey, self-raising flour, custard-powders, and egg-powders.

No. of application: 3210.

Date: 23rd October, 1900.

TRADE MARK.

The word

MARASMA.

NAME.

EMILY ELLEN FLOCKTON, wife of John Flockton, and trading as "The Marasma Company," Wellington, New Zealand.

No. of class: 3.

Description of goods: Patent medicines—viz., a remedy for asthma.

No. of application : 3211.
Date : 26th October, 1900.

TRADE MARK.

The word

SMILAX

NAME.

OGDEN'S, LIMITED, of Liverpool, England, and York Street, Sydney, New South Wales, Tobacco-manufacturers.

No. of class : 45.
Description of goods : Cigars, cigarettes, and tobacco.

No. of application : 3212.
Date : 26th October, 1900.

TRADE MARK.

The word

CORKSCREW

NAME.

OGDEN'S, LIMITED, of Liverpool, England, and York Street, Sydney, New South Wales, Tobacco-manufacturers.

No. of class : 45.
Description of goods : Cigars, cigarettes, and tobacco.

No. of application : 3213.
Date : 26th October, 1900.

TRADE MARK.

The word

BRUNO

NAME.

OGDEN'S, LIMITED, of Liverpool, England, and York Street, Sydney, New South Wales, Tobacco-manufacturers.

No. of class : 45.
Description of goods : Cigars, cigarettes, and tobacco.

No. of application : 3214.
Date : 26th October, 1900.

TRADE MARK.

The word

SPORTSMAN

NAME.

OGDEN'S, LIMITED, of Liverpool, England, and York Street, Sydney, New South Wales, Tobacco-manufacturers.

No. of class : 45.
Description of goods : Cigars, cigarettes, and tobacco.

No. of application : 3215.
Date : 26th October, 1900.

TRADE MARK.

The words

LUCKY STAR

NAME.

OGDEN'S, LIMITED, of Liverpool, England, and York Street, Sydney, New South Wales, Tobacco-manufacturers.

No. of class : 45.
Description of goods : Cigars, cigarettes, and tobacco.

No. of application : 3216.
Date : 26th October, 1900.

TRADE MARK.

The word

TAMILAH.

NAME.

HOLMES SAMUEL CHIPMAN, of 54, Margaret Street, Sydney, New South Wales, Merchant.

No. of class : 42.
Description of goods : Tea.

No. of application : 3217.
Date : 27th October, 1900.

TRADE MARK.

The word

VAMPIRE.

NAME.

KAY BROTHERS, LIMITED, of St. Peter's Gate Mills, Stockport, England.

No. of class : 2.
Description of goods : A sticky fly-catcher, consisting of an extendable spiral wire covered with birdlime or other sticky material, and enclosed in a paper cylinder.

No. of application : 3218.
Date : 26th October, 1900.

TRADE MARK



The essential particular of this trade mark is the word "Federal," and any right to the exclusive use of "1900" is disclaimed.

NAME.

GEORGE SALTER AND Co., of West Bromwich, England, Sad-iron Manufacturers.

No. of class : 13.
Description of goods : Sad- or flat-irons.

No. of application: 3219.
Date: 29th October, 1900.

The word

TRADE MARK.

DAISY.

NAME.

MANSON AND BARR, of Palmerston North, New Zealand,
Merchants.

No. of class: 7.
Description of goods: Churns.

No. of application: 3220.
Date: 29th October, 1900.

The word

TRADE MARK.

RENBOY.

NAME.

THE RENBOY SYNDICATE, of 103, Queen Street, Auckland,
New Zealand, Manufacturers of Branding Apparatus.

No. of class: 1.
Description of goods: Branding fluids and pigments.

No. of application: 3221.
Date: 1st November, 1900.

TRADE MARK.



The essential particular of this trade mark is the device,
and any right to the exclusive use of the added matter is
disclaimed.

NAME.

D. CORONNO, of Tory Street, Wellington, New Zealand,
Boot and Shoe Manufacturer.

No. of class: 38.
Description of goods: Boots and shoes.

No. of application: 3222.
Date: 31st October, 1900.

The word

TRADE MARK.

UNEEDA.

NAME.

MARSHALL'S CHEMICAL COMPANY, LIMITED, of Dunedin, New
Zealand, Manufacturing Chemists.

No. of class: 3.

Description of goods: Chemical substances prepared for
use in medicine and pharmacy.

No. of application: 3223.
Date: 31st October, 1900.

The word

TRADE MARK.

GEISHA.

NAME.

HOLMES SAMUEL CHIPMAN, of 54, Margaret Street, Sydney,
New South Wales, Merchant.

No. of class: 42.
Description of goods: Tea.

No. of application: 3224.
Date: 31st October, 1900.

The word

TRADE MARK.

TASMA.

NAME.

WILSON, WILLIAMS, AND CO., LIMITED, whose registered
office is at 77, Macquarie Street, Hobart, Tasmania, Fruit
Merchants and Jam-manufacturers.

No. of class: 42.
Description of goods: Jams, preserves, and sauces.

F. WALDEGRAVE,
Registrar.

Trade Marks registered.

LIST of Trade Marks registered from the 25th October,
1900, to the 7th November, 1900, inclusive:—
No. 2451; 3107.—A. Lowry and G. Milne. Class 22.
(*Gazette* No. 69, of the 2nd August, 1900.)
No. 2452; 2992.—F. E. von Bodenhausen. Class 42.
(*Gazette* No. 73, of the 16th August, 1900.)
No. 2453; 3078.—M. N. Arnold. Class 38. (*Gazette*
No. 73, of the 16th August, 1900.)
No. 2454; 3108.—H. C. Godfrey and Co. Class 42.
(*Gazette* No. 73, of the 16th August, 1900.)
No. 2455; 3121.—Virol, Limited. Class 42. (*Gazette*
No. 73, of the 16th August, 1900.)
No. 2456; 2682.—W. Gregg and Co., Limited. Class 42.
(*Gazette* No. 66, of the 3rd August, 1899.)
No. 2457; 3125.—The Campbell and Ehrenfried Company,
Limited. Class 43. (*Gazette* No. 77, of the 30th August,
1900.)
No. 2458; 3153.—The Campbell and Ehrenfried Company,
Limited. Class 43. (*Gazette* No. 77, of the 30th August,
1900.)

F. WALDEGRAVE,
Registrar.