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CONTENTS.

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Specifications and drawings of inventions.*
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Notice of Acceptance of Complete Specifications.

Patent Office,
Wellington, 26th October, 1904.

COMPLETE specifications relating to the undermentioned 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. 17099.—10th October, 1903.—ARCHIBALD MCDONALD, of Riccarton, New Zealand, Labourer, and SAMUEL RICHARD STEDMAN, of Dunedin, New Zealand, Engineer. Protrudable and retractable rods for wheels and the like.*

Claims.—(1.) Protrudable and retractable rods for wheels operatable by the rotation of the wheels, substantially as described. (2.) The general construction, arrangement, and combination of parts composing our protrudable and retractable rods for wheels and the like, all substantially as and for the purposes set forth.
(Specification, 2s. 9d.; drawings, 1s.)

No. 17398.—18th December, 1903.—JOHN ANDREW EASTON, of Dunedin, New Zealand, Groom. Improved feed-reservoir and box for horses and the like.*

Claims.—(1.) The general construction, arrangement, and combination of parts composing my improved feed-reservoir and box for horses and the like, all substantially as and for the purposes set forth. (2.) Improved feed-reservoir and box for horses and the like, comprising an upper reservoir with perforated bottom, an extension therefrom provided with a regulating-shutter and forming a chute projecting into the feed-box, and perforated bottom to the feed-box, substantially as described. (3.) A feed-reservoir and box connected by a chute arranged so that feed may flow therethrough from the reservoir into the box and cease flowing on rising to a height in the box on a level with the mouth of the chute, substantially as described.
(Specification, 2s.; drawing, 1s.)

No. 17460.—13th January, 1904.—HARRY BRICE, of Kapuni, Taranaki, New Zealand, Settler. An improved game of table-cricket, and appliances for use in connection therewith.*

Claims.—(1.) In appliances for use in playing table-cricket, a pair of grooved wheels mounted in horizontal planes one at each end of a crease, means for rotating such wheels, an endless cord surrounding both wheels and extending across the length of the crease, and a pair of dummy figures secured one upon each member of the cord, substantially as specified. (2.) In appliances for use in playing table-cricket, a pair of grooved wheels pivoted horizontally in spring clamps adapted to be attached one at each end of a table, means for rotating such wheels, an endless cord surrounding both wheels and extending across the table, and a pair of dummy figures secured one upon each member of the endless cord in such relative positions as to be normally at opposite ends of the table, substantially as specified. (3.) The appliances for use in playing table-cricket, substantially as described and explained, and as illustrated in the drawings.
(Specification, 4s.; drawings, 2s.)

No. 17489.—20th January, 1904.—FREDRIK LJUNGSTRÖM, of 79, Linnegatan, Stockholm, Sweden, Engineer. Improvements in cow-milkers.

Extracts from Specification.—The principle embodied in the said invention is as follows: To construct a milking-device acting upon the teats in about the same manner as the fingers by hand-milking—viz., producing repeated pressure on the teats, beginning at their root and successively continuing towards their extremities; furthermore, to construct a driving motion for said milking-organs in a simple manner, and so that only a soft pressure on the teats is produced in order that the milking-device may not have an injurious effect on the cows; further, to construct a simple device for the keeping-together of the milking-organs and their adjustment in the desired position; and, finally, to construct a simple and practical device for suspending the milking-organs and the milk-receiving vessel under the cow. . . .

Each of the milking-members consists of a number (preferably three) of parallel pressure-cylinders 35, 36, 37, in each of which a piston 38, 39, 40, is displaced. The front extremity of each of these pistons presses against the teat. The pressure-cylinders are connected with the pipe 34 in such a manner that the topmost pressure-cylinder 35 communicates with it directly, the middle cylinder by means of a branch pipe 42, and the lowermost cylinder by the intermediary of a branch pipe 43 opening out of the pipe 42.

[NOTE.—The above extracts from the specification are inserted in place of the claims.]

(Specification, 11s.; drawing, 5s.)

No. 17501.—29th January, 1904.—GEORGE CHEWINGS, of Glenelg, Mossburn, Southland, New Zealand, Sheep-farmer. An improved fencing-staple.*

Claim.—A staple, the points of which are produced by shearing the wire whereby a flat surface is obtained upon the inside of each leg, said surface tapering to a point, substantially as and for the purposes specified, and as illustrated in the drawing.
(Specification, 1s. 3d.; drawing, 1s.)

No. 17838.—27th April, 1904.—CHARLES PETERSON, of 111, Grafton Street, Dublin, Ireland, Pipe-manufacturer. Improvements in mouthpieces for tobacco-pipes, cigar-holders, and cigarette-holders.

Claims.—(1.) In mouthpieces for tobacco-pipes, cigar-holders, and cigarette-holders, a "lip" having ridges or equivalents for the purposes, and substantially as set forth. (2.) In mouthpieces for tobacco-pipes, cigar-holders, and cigarette-holders, having a "lip" formed with a slit through which the smoke enters the mouth, a series of ridges projecting from said "lip" and across said slit for the purpose, and substantially as set forth.
(Specification, 3s.; drawing, 1s.)

No. 18356.—23rd August, 1904.—NIELS RASMUSSEN, of Mauriceville West, New Zealand, Blacksmith. An improved fastener for machinery-belting.*

Extract from Specification.—The fastener is composed of a pair of metal pieces of angular form in cross-section, the ends of which are flattened out and turned inwards. These angular pieces are then placed with their angular spaces facing each other, and the turned-in ends of one piece lapped upon those of the other. Rivets, or the like, are then passed through the lapped ends, so as to hinge one piece on the other. These rivets are so arranged as to give the bottom edges of the angular pieces a greater movement than the upper when the pieces are turned on their hinges.

[NOTE.—The above extract from the specification is inserted in place of the claims.]

(Specification, 3s.; drawing, 1s.)

No. 18397.—31st August, 1904.—HENRY WARD, of Dunedin, New Zealand, Tinsmith. A scraping-attachment for brushes.

Claims.—(1.) In brushes where scrapers may be needed to assist the operation of brushing, an attached scraper and brush with special scraping-edges, substantially as set forth, and as shown on the drawing. (2.) In combination with a brush A B, a scraper C C^1 for use in special scraping where blunt scraping is preferred, substantially as set forth, and as shown on the drawing. (3.) In combination with a brush, a scraper C C^3 for use where special sharp scraping is required, substantially as set forth, and as shown in the drawing. (4.) In combination with a brush, a scraper as an attachment, with a special form of edge, such as set forth, secured to same, substantially as set forth, and as shown on the drawing.
(Specification, 2s. 3d.; drawing, 1s.)

No. 18429.—2nd September, 1904.—SAMUEL GROVES WHITEHOUSE, of 5, Lanark Mews, Maida Vale, London, England, Cab-proprietor. Improvements in connection with wheeled vehicles.

Claim.—The combination, with a wheeled vehicle having a rearward part like that of the body of a hansom cab or the hooded part of a victoria or gig, of an outer roof which can be drawn forward to cover the space between the rearward and forward parts of the vehicle either for protecting the space between the two parts of the vehicle or for facilitating the placing of luggage on the roof of the rear part, the front corners of the outer roof when so drawn forward being supported on fold-down posts behind the driver's seat, substantially as described.
(Specification, 2s.; drawing, 1s.)

No. 18511.—29th September, 1904.—WILLIAM PERCIVAL CONOLLY, of Oxford Chambers, Bourke Street, Melbourne, Victoria, Australia, Architect. Safety appliances to prevent dangerous accidents in the shafts or wells of passenger and goods elevators.

Claims.—(1.) A safety appliance consisting essentially in a number of movable frames suspended by chains or the like means above or below or both above and below the lift, cage, or elevator, and so arranged that as the lift, cage, or elevator arrives at any one floor a frame rises or falls respectively to the level of each of the other floors of the shaft or well, substantially as and for the purposes set forth. (2.) A safety appliance embodying in combination a set of frames as A, chains or the like as F by which the frames are suspended, trays as G and H for receiving the frames and chains, and means for connecting the chains to the frames, top of shaft, bottom of lift cage, and to the trays, substantially as and for the purposes set forth. (3.) In safety appliances, a frame as A constructed of a staunch rim as A^1, and having its interior filled across with netting or the like, said filling being provided with an opening or openings for the haulage-rope, ropes, or piston to pass through during the working of the said lift, cage, or elevator, substantially as and for the purposes set forth.

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

No. 18512.—28th September, 1904.—HEINRICH BECK, of 7, Leipzigerstrasse Meiningen, Germany, Engineer. Improvements in electric arc lamps.

Extract from Specification.—The advantages of my electric arc lamp for continuous current as well as for alternating current are based upon a new principle for regulating the feed of the electrodes. This principle is characterized by one or both electrodes resting laterally upon a support with its extreme ends, the ends which constitute the supporting-points of the electrodes being gradually consumed by the heat of the arc light, so that the electrodes will descend in a perfectly uniform manner. The lateral edge of the electrode, the end of which rests upon a suitable support, consists in my invention of carbon, or of some material which is converted into carbon by combustion, and which shows a similar behaviour. The lateral edge, the extreme end of which constitutes the resting-point of the electrode, may consist of a special narrow ridge of carbon or the like, which is laterally attached to the electrode, or it may be formed by shaping the electrode itself correspondingly. It is essential in my invention that the electrode with lateral supporting ridge, the extreme end of which rests upon a support, is pointed and hollowed out at the side which faces the arc light in such a manner that a lateral starting or supporting point, so to speak, is provided for the arc light, whereby a quiet burning of the electric arc is produced in the new lamp. The lateral supporting ridge may be provided on both electrodes, but it is also sufficient to have the positive electrode only resting with the end of its outer edge upon a support, and then securing the uniform feed of both electrodes by suitably coupling the electrodes with each other. In order to protect the electrodes against the lower parts of the supporting edges burning out laterally, this part of the electrodes in a modification of my invention is provided with a device for limiting the supply of air—a sleeve or the like, for instance, preferably made of metal, and being of sufficient size and presenting a sufficient cooling surface for transmitting the heat resulting from the electrode to the air without becoming incandescent itself. Inasmuch as the supporting edges are made of carbon or the like, a perfectly uniform combustion or evaporation of the pointed end of the supporting ridges is produced by the electric arc; nor is there any disturbance of the arc or coloration of the same by material dripping down from the supporting ridges. For the purpose of operating and for cutting out electric arc lamps of this kind, igniting and extinguishing devices of most simple construction may be employed.

[NOTE.—The above extract from the specification is inserted in place of the claims.]

(Specification, 14s.; drawings, 2s.)

No. 18515.—24th September, 1904.—BARBARA JOANNA MOUAT, of South Dunedin Post-office, New Zealand, Postmistress. Improvement in draught-regulating for grates and ranges.

Claims.—(1.) In the bottom bars of grates or ranges, in combination with same, a box-like projection formed of bars or openings for increasing the draught and bringing the fire towards the front, with a damper for regulating or shutting off the draught as needed, substantially as set forth. (2.) In combination with the fire-bars of a grate or range, a damper furnished with a valve and a box-like projection, arranged so as to control the draught to the fire-bars and said projection, all substantially as set forth, and as shown in the drawing. (3.) A damper placed immediately under the fire-bars of a grate or range to control the draught admitted to same, substantially as set forth.

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

No. 18517.—24th September, 1904.—HENRY UPTON ALCOCK, of 208–212, Russell Street, Melbourne, Victoria, Australia, Billiard-table Manufacturer. Improvements in convertible and other billiard-tables.

Claims.—(1.) In convertible billiard-tables, adjustable props or supports as A hinged to cross-rails as B^1 and combined with springs as A^1, substantially as described and shown. (2.) In convertible billiard-tables, levers as E, e, e^1 capable of being fulcrummed in the end rails B at E^1 lifting the table, and of being supported on a longitudinal shelf E^2 under the table when not in use, substantially as described and shown. (3.) In convertible billiard-tables, in combination, the adjustable hinged props or supports A, springs A^1, guide-pins D, levers E, and shelf E^2 arranged and assembled on the legged frame and table, substantially as described and shown. (4.) In convertible billiard-tables, the screwed props A fitted in blocks on under-side of table combined with cross-rails as B^1 and guides as D fitting in slots in the legged frame, substantially as described and shown. (5.) In convertible billiard-tables, the levers E, e, e^2, having hinged part e^3 and fulcrummed in the recess in end rails, combined with the pivoted temporary props a^1 and guides as D, substantially as described and shown. (6.) In convertible billiard-tables, in combination, screwed props as A, rails as B^1, levers as E, and guides as D arranged and assembled on the legged frame and table, substantially as described and shown. (7.) In billiard-tables, the cushion-rails built up in wood sections, as C^1, C^3, and C^4 about an angle-iron bar F, all assembled and secured substantially as described and shown. (8.) In billiard-tables having the cushion-rail built up in sections, securing the facing C^1 in either manner substantially as described and shown.

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

No. 18529.—27th September, 1904.—PETER CAMPBELL, of 52, Page Street, Albert Park, Victoria, Australia, Moulder. An improved pipe-moulding machine.

Extract from Specification.—With my invention the placing of a half-pattern within a half-box, the entrance of the sand therein, and the ramming of the said sand is performed by a machine. In this the pattern rotates in a holder which rotates and to which holder the half-box is affixed. The half-box only travels through half a circle (more or less), whilst the pattern has two motions, one around its own axis and the other around with its holder. Each half-box is treated in the same manner, and then one placed on the top of the other and a complete box and mould thus formed.

[NOTE.—The above extract from the specification is inserted in place of the claims.]

(Specification, 7s.; drawing, 1s.)

No. 18530.—27th September, 1904.—JABEZ ADAMS, of "Glenmire," Thomson Street, Constable, and CHARLES ALFRED CROSS, of Brown Street, Plumber, both of Hamilton, Dundas, Victoria, Australia. An improved pipe-wrench.

Extract from Specification.—The cycle of operations with our invention is as follows: The jaws of the stationary and U-sectioned handles are separated so that they will encompass the article to be locked. The U-sectioned handle is then pushed towards the said article till its jaw touches the same. The pawl-catch then falls into one of the serrations on the stationary handle. The U-sectioned handle is then pulled towards the stationary handle, and a vice-like grip is conveyed to the article. In the modification the action is the same, save that the finger-hold M has not to be pulled outwardly when the U-sectioned handle requires to be drawn from the stationary handle.

[NOTE.—The above extract from the specification is inserted in place of the claims.]

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

No. 18531.—29th September, 1904.—MURDOCH RICHARDI Baker, and WILLIAM SCOTT, Engineer, both of 12, McNeil Street, Glasgow, Scotland. Improvements in bakers' ovens.

Claims.—(1.) A bakers' draw-plate oven having in combination a furnace, a furnace-flue arranged below the floor and passing to the back of the oven and up above the rear

end of the draw-plate, and lateral flues leading from the furnace and furnace-flue into the oven and below the draw-plate, and an outlet from the interior of the oven arranged near the front and also near the floor of the oven, substantially as described. (2.) A bakers' draw-plate oven having in combination a furnace, a flue extending to the back of the oven and then up behind a back *k* and canopy *m*, a narrow floor *c* above the flue, having spaces at each side thereof, lateral flues communicating with these spaces, means for opening and closing the flues, and an outlet-flue arranged at one side of the oven and near the front thereof and the entrance to which extends partially above and partially below the level of the draw-plate, substantially as described. (3.) A bakers' draw-plate oven having in combination a furnace, a flue extending to the back of the oven and then up behind a back *k*, a canopy *m* extending forward from the back *k*, a narrow floor *c* above the flue, having spaces at each side thereof, lateral flues communicating with these spaces, means for opening and closing the flues, and an outlet-flue arranged at one side of the oven and near the front thereof and the entrance to which extends partially above and partially below the level of the draw-plate, substantially as described. (4.) A bakers' draw-plate oven having in combination a furnace, a flue extending to the back of the oven and then up behind a back *k*, a narrow floor *c* above the flue, having spaces at each side thereof, lateral flues communicating with these spaces, means for opening and closing the flues, and an outlet-flue arranged at one side of the oven and near the front thereof and the entrance to which extends partially above and partially below the level of the draw-plate, together with a damper for regulating the upper part only of the outlet-flue opening, substantially as described.

(Specification, 3s. 9d.; drawings, 4s.)

No. 18537.—30th September, 1904.—MICHAEL WOODS, of 309, Pigdon Street, Princes Hill, Carlton, Engineer, and THOMAS JEFFERSON GILBERT, of 1, Minnie Street, Brunswick, Dealer, both of Victoria, Australia. Portable apparatus for dressing the surfaces of rails *in situ*.

Extract from Specification.—The object of our invention is to provide an apparatus for cheaply and expeditiously removing joint or other inequalities in the surfaces of tram or other rails whilst they are in place. In the past, especially where rails were uneven at the joint, it has frequently been the practice to remove the unevenness or inequalities by chipping or filing. But with our invention a rotating dressing-wheel, which is mounted on a portable framework, is provided. One end of the said framework is capable of being elevated or depressed, the said framework can also be moved by hand along the rails, and the dressing-wheel and its shaft are capable of moving longitudinally. The framework can also be bodily elevated by a crank and lever, and thus, like a two-wheeled hand-truck, be ready for transport to any distance from the rails.

[NOTE.—The above extract from the specification is inserted in place of the claims.]

(Specification, 6s. 3d.; drawing, 1s.)

No. 18539.—4th October, 1904.—HELENA AGNES COLLINS, of Wellington, New Zealand, Housewife. An improved coat-hanger.

Claim.—The combination with a coat-hanger of a bracket adapted to be secured to a wall or other surface, such hanger being suspended from the extremity of the outwardly extending member of the bracket by means of a link swiveled in the bracket, substantially as specified.

(Specification, 1s. 3d.; drawing, 1s.)

No. 18543.—4th October, 1904.—HENRY PRINCE, of Westmere, near Wanganui, New Zealand, Farmer. Improved fastener for the legs of animals.

Claims.—(1.) For the purpose indicated, a length of flexible material having a ring at one end, a snap-hook at the other end, and two rings fixed in intermediate positions, substantially as specified and illustrated. (2.) A fastener for the leg of an animal consisting of the parts constructed, arranged, and operating substantially as specified, and illustrated in the drawing.

(Specification, 1s. 3d.; drawing, 1s.)

No. 18555.—6th October, 1904.—ALFRED FALKNER, of Kaiparoro, Wellington, New Zealand, Sawmiller. Improved manner of forming moulding-boards to adapt them for making raised panel or square turned work.

Claim.—The improved manner of forming moulding-boards to adapt them for use in raised panel and square turned work, the same consisting in forming the back surface of the board with an inclined face extending inwards and outwards from one edge at an angle to the main surface thereof, substantially as specified, and as illustrated in the drawings.

(Specification, 2s. 6d.; drawing, 1s.)

No. 18573.—10th October, 1904.—HENRY ASHWORTH, of Hanover Street, Wadestown, Wellington, New Zealand, Carrier. Improved apparatus for washing, straining, and draining wool.

Extract from Specification.—In the side of a wash-box, constructed somewhat similarly to those already in use, I provide a gate, and a strainer-box having an entrance leading to the said gate. After the wool has been sufficiently washed the gate is opened, the wool is washed through the gateway into the strainer-box, which is then hoisted clear of the water by blocks and tackle or the like. The greater part of the water leaves the wool while in the elevated strainer-box, and is then removed by hand and placed upon drainers constructed of battens and sheet iron sloped to convey the water draining from the wool to gutters formed along the edge of the drainers. Alternate drainers and layers of wool are stacked upon one another, the weight of the upper drainers and layers assisting in squeezing the water from the wool below.

[NOTE.—The above extract from the specification is inserted in place of the claims.]

(Specification, 6s. 6d.; drawings, 2s.)

No. 18583.—13th October, 1904.—JOHN HAYWARD, of 34, Queen Street, Melbourne, Victoria, Australia, Caretaker. Improvements in liquid-delivering devices applicable to flushing-cisterns.

Extract from Specification.—The improvements comprise a reservoir or bottle having a funnel at the upper end and a neck at the base; and, to fit tightly the said neck, a hollow stopper having a plunger, and regulating and positioning devices.

[NOTE.—The above extract from the specification is inserted in place of the claims.]

(Specification, 3s.; drawing, 1s.)

No. 18584.—13th October, 1904.—EDWARD JOHN SWYNY of Cameron Street, Balmain, near Sydney, New South Wales, Australia, Mining Engineer, and SAMUEL GEORGE PLUCKNETT, of "Clifton," Dickson Street, Newtown, near Sydney aforesaid, Company-manager. Improvements in certain descriptions of ore separators and classifiers.

Claims.—(1.) In ore separators and classifiers of the class set forth, the combination with down and up passages to discharge of a perforated bottom to said passages and their junction above a water-chamber, and devices for withdrawing particles on or just above said perforated bottom, as and for the purposes and substantially as described and explained. (2.) In ore separators and classifiers of the class set forth, the combination with down and up passages and a perforated bottom beneath above a water-chamber of inclined passages from said bottom, and plugs thereon or therein preferably adapted to be regulated as and for the purposes and substantially as described and explained. (3.) The combination and arrangement together of the mechanical parts or integers constituting an improved ore concentrator and classifier, substantially as described and explained, and as illustrated in the drawings.

(Specification, 3s. 3d.; drawing, 1s.)

No. 18585.—13th October, 1904.—EDWARD JOHN SWYNY, of Cameron Street, Balmain, near Sydney, New South Wales, Australia, Mining Engineer, and SAMUEL GEORGE PLUCKNETT, of "Clifton," Dickson Street, Newtown, near Sydney aforesaid, Company-manager. Improved vibrating trough for concentrating finely divided metalliferous materials.

Claims.—(1.) Improved vibrating trough for concentrating finely divided metalliferous materials, wherein are a series of baffled runs, or channels, or *cul-de-sacs* transversely of the vibratory motion, in which the material and water is caused to flow substantially as described and explained. (2.) Improved vibrating trough for concentrating finely divided metalliferous materials, wherein are a series of connected baffled runs, or channels, or *cul-de-sacs*, in which the material flows transversely across the vibratory motion while

agitated transversely to the direction of said flow, substantially as described and explained. (3.) In improved vibrating trough for concentrating finely divided metalliferous materials, the combination with a series of connected baffled runs, or channels, or *cul-de-sacs* as set forth of a hopper chamber with inclined faces and a bottom discharge to the first of said runs or channels, substantially as described and explained. (4.) In improved vibrating trough for concentrating finely divided metalliferous materials, the combination with a series of connected baffled runs, or channels, or *cul-de-sacs* as set forth of perforated pipe supplying a spray over or at the baffles of said *cul-de-sacs*, substantially as described and explained. (5.) The combination and arrangement together of all the parts or integers forming an improved vibrating trough for concentrating finely divided metalliferous materials, substantially as described and explained, and as illustrated in the drawing.

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

No. 18586.—13th October, 1904.—EDWARD JOHN SWYNY of Cameron Street, Balmain, near Sydney, New South Wales, Australia, Mining Engineer, and SAMUEL GEORGE PLUCKNETT, of "Clifton," Dickson Street, Newtown, near Sydney aforesaid, Company-manager. Improved process for the extraction of normally buoyant mineral particles from slimes, tailings, and like metalliferous materials.

Claims.—(1.) Improved process for the extraction of normally buoyant mineral particles from slimes, tailings, and like metalliferous materials, consisting of or involved in the step-by-step treatment of washing, screening, classifying, and separate concentration of the classified products, substantially as described and explained. (2.) In and for the extraction of normally buoyant mineral particles from slimes, tailings, and like metalliferous materials, the combination and arrangement together of various machines, launders, and driving-devices constituting a complete installation of plant as and for the purposes and substantially as described and explained, and as illustrated in the drawings.

(Specification, 3s. 6d.; drawing, 1s.)

No. 18594.—11th October, 1904.—HENRY DROUTLEGE, of Vermont Street, Auckland, New Zealand, Engineer. An improved registering and number-recording machine.

Extract from Specification.—The mechanism is set going by the handle A being turned once, and thereby the rod F is made to draw down the projection J, whereby the lever K is depressed and with it the driving-pawl O and angle-formation I, the result of which is that by the pawl O engaging and pushing one of the pins W the plate U is moved one-tenth of its circumference onwards and kept there by the stop and tension pawl S until by the next turn of the handle A the plate U is again turned one-tenth of its circumference. When the ninth turn is made the flattened projection *d* on the plate *e* engages the pin *b* and lifts the lever K1 up clear of the pins W, the pawl O1 at the same time falling back on to the next pin; on the tenth turn being made the projection *d* leaves the pin *b* and the pin *f* engages the raised top of the lever K1 and depresses it, whereby the plate U1 is caused to move round one-tenth of its circumference in the same manner as already described with the plate U, and thus registers the tens to the units registered by the plate U; and when the plate U1 of this wheel has been thus driven round another set of exactly the same mechanism rotates the wheel showing the hundreds, and so the multiplication can be carried on as far as may be required or desired. Spokes *s* radiate from the hubs *c* to the outer rims *x*, on which the various numbers to be registered are shown. The finger projection of the driving-pawl O is made with the recessed angle so that the pin W may fit closely into it and so be held firmly there by the pressure of the stop and tension pawl S against one of the lower pins W as is shown in Figs. 1 and 2.

[NOTE.—The above extract from the specification is inserted in place of the claims.]

(Specification, 7s. 6d.; drawings, 2s.)

No. 18598.—13th October, 1904.—EDWIN PHILLIPS, of 533, Collins Street, Melbourne, Victoria, Australia, Patent Attorney and Engineer (nominee of Samuel Ridgway Kennedy, of Bourse Building, Philadelphia, Pennsylvania, United States of America, Inventor). Improvements in processes of treating milk.

Claims.—(1.) The process of treating milk and the like, consisting of condensing the milk by evaporation, lowering the temperature until the sugar of milk and salts crystallize, and separating them by mechanical filtration. (2.) Purifying sugar-of-milk crystals removed from condensed milk by filtration, which consists in washing the same at a low temperature with an alkaline solution in which the sugar of milk is insoluble. (3.) Recovering the salts removed from sugar of milk by washing the latter at a low temperature with a solution in which the milk-sugar is insoluble by evaporating the wash-water to dryness. (4.) The process of treating milk and the like, consisting of condensing the milk by evaporation, lowering the temperature until the sugar of milk and salts crystallize, separating them by mechanical filtration, and subsequently separating the milk-sugar from the accompanying albumen by coagulating the latter and removing it by filtration. (5.) A milk-product made by condensing milk, cream, or any combination thereof in a vacuum to a thick creamy consistency, cooling the same until the sugar of milk and accompanying salts crystallize out, and removing the same by any mechanical means as filtration. (6.) A milk product made by condensing milk, cream, or any combination thereof to a thick creamy consistency, cooling the same until the sugar of milk and accompanying salts crystallize out, removing such crystals by any mechanical means, and cooking, aerating, and cooling the filtrate. (7.) A milk-product made by separating the cream from the milk in any suitable manner, and preserving the former, condensing the milk, cooling the same to cause the sugar of milk and salts to crystallize out, removing the latter by any suitable means as filtration, and recombining the cream with the filtrate by spraying the two together in a high vacuum. (8.) The process of combining condensed milk and cream by spraying the two together in a high vacuum.

(Specification, 5s. 6d.; drawing, 1s.)

No. 18599.—13th October, 1904.—POSITIVE ROTARY PUMPS, LIMITED, of 23, Northumberland Avenue, London, England, Manufacturers (assignees of Francis Whitwell Brackett, of Hythe Bridge Ironworks, Colchester, Essex, England, Engineer). Improvements in pumps for liquids or fluids.

Extract from Specification.—The improved pump comprises a pump-chamber *a* in the interior of which a crank-shaft *b*, with crank-webs b^1 and crank-pin b^2 adapted to revolve in either direction, is mounted in suitable bearings; a piston *c* mounted on a pin c^1 fixed to the covers a^1 a^2 of the pump-chamber *a*, said piston may be adapted to revolve upon the pin; a pump-frame *d* embracing the piston *c* and adapted to be reciprocated upon same, said pump-frame having machined internal faces d^1 d^2 parallel to one another, so adjusted and arranged as to allow the frame to reciprocate upon the piston so that they may be set closer together when the wear of the parts renders it necessary. The pump-frame *d* also has an extension consisting of an arm d^3 terminating in an eye d^4, the latter being mounted upon the aforesaid crank-pin b^2, the revolution of the crank-shaft thus giving a reciprocating and oscillating motion to the pump-frame *d*.

[NOTE.—The above extract from the specification is inserted in place of the claims.]

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

No. 18605.—14th October, 1904.—HENRY SYMES, of Harrietville, Victoria, Australia, Mine-manager. Improvements in apparatus for elevating alluvial or other earths or materials.

Extract from Specification.—The cycle of operations with my invention is as follows: One man, the engine-driver, stands in the engine-house and controls the tautening and hauling drums, and another man, the scoop-filler, stands between the two scoops. If, as seen in Fig. 1, one scoop has been lowered back to the face O, and the other scoop is nearing the dumping-grating, the scoop-filler closes and locks the bottom or back of the said scoop. He then seizes the handles G on the scoop, and points the nose of the same into the earth. A signal to the engine-driver is then given, indicating that a feeding-speed is required on the hauling-rope. By the handles he then so directs the said scoop that it is fully charged, and another signal is communicated to the engine-driver that the hauling-speed is to be employed. The upper scoop by this time will have reached the dumping-grating, and the striker T will have liberated the contents on to the same. The engine-driver will then lower the said scoop to the face O, and will then slacken the supporting-rope B. This will permit the scoop to settle upon the face, and the scoop-filler charges it similarly to the one before described.

[NOTE.—The above extract from the specification is inserted in place of the claims.]

(Specification, 5s. 6d.; drawing, 1s.)

No. 18619.—13th October, 1904.—HERMAN SEIFERT, of Invercargill, New Zealand, Flax-miller. Improvements in flax-milling machinery.

Extract from Specification.—The invention consists in a frame A, A, B, B, its sides open to receive an adjustable concavely shaped case C adapted to the shape of the parts to operate therein, said frame at each end provided with bearings D, D, for a shaft E; fixed along and to said shaft between said bearings D, D, are sets of radial arms F, firmly secured in a hub N, which is keyed to the shaft; to these arms and parallel to the shaft are bolted bars G′, G″, G‴, the outside bars G being flush with the ends H of the arms F, this framework on the shaft is designated the "beaters"; the spaces lying between said sets of arms are boxed in at the middle of the beaters to form a drum-like centre-piece J, or they may be rimmed at this part, leaving the sides open; the face or outer periphery L of the drum-like or rimmed centre may be provided at suitable distances apart with horizontally placed rows of teeth, this part of a scutcher is designated the "hackles"; the points of the teeth are preferably even with the faces of the outer bars G′, but may be adjusted inwardly or outwardly in relation thereto.

[NOTE. The above extract from the specification is inserted in place of the claims.]

(Specification, 2s. 6d.; drawing, 1s.)

No. 18649.—19th October, 1904.—WILLIAM MARTIN PRITCHARD, Bootmaker, and JAMES SOOKES BOYLE, Cabinet-maker, both of Auckland, New Zealand. A heat-resisting boot-sole.

Claims. (1.) In the heat-resisting boot-sole specified, the placing between the middler or inner sole and outer sole thereof and fixing thereto a sheet of asbestos cut to same shape as sole for the purpose set forth, substantially as described. (2.) In the heat-resisting boot-sole specified, the combination in the boot-sole of asbestos with the leather by the sheet of asbestos being placed between and fixed to the middler or inner sole and outer sole and cut to shape of same for the purpose set forth, substantially as described.

(Specification, 2s.)

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

NOTE.—The cost of copying the specification and drawing has 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.

Extracts from the drawings accompanying the foregoing complete specifications appear at the end of this *Gazette*.

F. WALDEGRAVE,
Registrar.

Provisional Specifications.

Patent Office,
Wellington, 8th November, 1904.

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

No. 18456.—16th September, 1904.—CHRISTCHURCH MEAT COMPANY, LIMITED, whose registered office is 150, Hereford Street, Christchurch, New Zealand (assignees of Gilbert Anderson, of Christchurch aforesaid, Managing Director). Improved apparatus for securing the tops or covers of preserving-tins and the like.

No. 18519.—29th September, 1904.—JAMES MOORE SIBBIT, of 54, Burwood Road, Hawthorn, Victoria, Shop-assistant. An automatic roller for wire gauze screens.

No. 18521.—29th September, 1904.—GEORGE BROUGHAM HUBERT AUSTIN, of Atherton Road, Oakleigh, Victoria, Architect. An invention for fixing spirit-level to traversing frame on rifle-sight for adjusting same.

No. 18576.—11th October, 1904.—MATTHEW RYAN, of Cobden, Greymouth, Westland, New Zealand, Inventor. Improved plush for gold-saving.

No. 18589.—10th October, 1904.—FRANK STOWELL, of St. Andrews, New Zealand, Farmer. An improved sash-fastener for windows.

No. 18590.—14th October, 1904.—JOHN WILLIS MCLEOD, of Waikaka, Southland, New Zealand, Teacher. Improved gold-saving apparatus.

No. 18592.—14th October, 1904.—HENRY CAMPBELL HENDERSON, of P.O. Box 1, Wanganui, Wellington, New Zealand, Railway-employee. Improvments relating to steam-turbines.

No. 18595.—15th October, 1904.—HENRY HUBERT GILSHNAN, of Kakaramea, Patea, New Zealand, Farm-hand. An improved hay-knife.

No. 18597.—14th October, 1904.—JOHN SMAILL, of Port Chalmers, New Zealand, Engineer.—Improved water-tube boiler.

No. 18602.—17th October, 1904.—GEORGE WILLIAM DARVALL, of 64, Brougham Street, Wellington, New Zealand, Signwriter. An improved combined bottle-stopper, measure, and eye-bath.

No. 18606.—18th October, 1904.—FREDERICK EDWARD NEWTH, of Clyde Quay Hotel, Wellington, New Zealand, Printer. A match-lining cramp.

No. 18607.—18th October, 1904.—THOMAS WILSON POTTS, of Wanganui, New Zealand, Draper.—An improved stand or support for bicycles.

No. 18608.—18th October, 1904.—CHARLES PURNELL PARKERSON, of Thames, Auckland, New Zealand, Canvasser. Improved receptacle for perishable condiments, comestibles, and the like.

No. 18609.—15th October, 1904.—RICHARD CAMERON TORRANCE, Builder, and JAMES COWIE, Brass-finisher, both of Dunedin, New Zealand. A ball-testing appliance for bias, &c.

No. 18610.—19th October, 1904.—WALTER CLAUDE JOHNSON and GEORGE CHARLES PEARSON, both of Victoria Works, Old Charlton, Kent, England, Electrical Engineers. Improvements in rock-drills of the percussion type.

No. 18613.—19th October, 1904.—WILLIAM FRANCIS JOHNS, of Parnell, Auckland, New Zealand, School-teacher. Means for automatically operating the doors of lift or elevator wells.

No. 18614.—19th October, 1904.—SAMUEL FORD, Sanitary-pipe Maker, and JAMES SPIERS FREEMAN, Land Agent, both of Dannevirke, New Zealand. Improvements in apparatus for the manufacture of articles from compounds of boiled tar and mineral matter.

No. 18616.—18th October, 1904.—WILLIAM HENRY TERRY, of Addington, New Zealand, Contractor. Improvements in or relating to the sashes of windows.

No. 18617.—19th October, 1904.—WILLIAM MOSES, of Willowby, Canterbury, New Zealand, Farmer. A machine for the purpose of cutting off Californian thistle and such-like weeds.

No. 18618.—19th October, 1904.—ERNEST EDWARD PORTER, of Ashburton, Canterbury, New Zealand, Clerk. An improved turnip and rape feed.

No. 18620.—20th October, 1904.—GEORGE BROUGHAM HUBERT AUSTIN, of Atherton Road, Oakleigh, Victoria, Australia, Architect. Improved detachable traversing ladder and frame to be used on rifles.

No. 18622.—20th October, 1904.—STANLEY JAMES EMERY, of Colac, Victoria, Australia, Farm-labourer. Improvements in combined collar and hames.

No. 18626.—20th October, 1904.—UNITED SHOE MACHINERY COMPANY, of Paterson, State of New Jersey, United States of America, a corporation duly organized under the laws of said State of New Jersey, and having a place of business at 205, Lincoln Street, Boston, Massachusetts, United States of America (assignees of Ronald Francis McFeely, of Beverly, Essex, Massachusetts aforesaid, Inventor). Improvements in or relating to pounding-up machines.

No. 18627.—20th October, 1904.—JOHN COLLINS, of 675, Bourke Street, Melbourne, Victoria, Australia, Stationer. Improved combined envelope and memo. or statement form.

No. 18634.—20th October, 1904.—JOHN CHARLES CRAMPIN READ, of 13, Harrington Square, London, England, Engineer. Improvements in petroleum-burners.

No. 18635.—20th October, 1904.—THOMAS MERCER, of Stratford, Taranaki, New Zealand, Hairdresser. Improved pneumatic sole or sock for boots, shoes, and the like.

No. 18639.—18th October, 1904.—WILLIAM SHAW DEIDREICH SCHMIDT, of Church Street, Ponsonby, Auckland, New Zealand, Lithographer. An invention for protecting the soles of boots and shoes.

No. 18640.—21st October, 1904.—LOUIS TASMAN REICHEL, of Wellington, New Zealand, Electrician Public Works Department. An improved wind and water motor.

No. 18641.—21st October, 1904.—DONALD CHARLES MACDONALD, of Campbelltown, New Zealand, Storeman. An improved process of and apparatus for use in drying and bleaching flax.

No. 18643.—19th October, 1904.—ALEXANDER BURT, of A. and T. Burt, Limited, Dunedin, Otago, New Zealand, Metal-merchant. An automatic self-closing tap.

No. 18644.—19th October, 1904.—WILLIAM EDWARD WALKER, of Macandrew Road, South Dunedin, New Zealand, Moulder. An improved ventilating-window for dwellinghouses and other buildings.

No. 18645.—17th October, 1904.—JAMES DUNBAR, of Invercargill, New Zealand, Engineer. Improvements in rakes.

No. 18646.—18th October, 1904.—HERBERT MITTCHELL, of Invercargill, New Zealand, Contractor. Improvements in lead-pencils.

No. 18650.—22nd October, 1904.—PATRICK CAIRNS, of Cullman Street, Timaru, New Zealand, Contractor. Centres for invert and arching work.

No. 18652.—21st October, 1904.—ALEXANDER MCCOLL, of Onehunga, Auckland, New Zealand, Company-manager. Improvements in mechanism for rectifying defects in and repairing timber veneer.

No. 18653. — 21st October, 1904. — NEIL HAMILTON WHISKER, of Newmarket, Auckland, New Zealand, Plumber, and ALFRED SMART the younger, of Epsom, Auckland aforesaid, Plumber. An enclosed box or pan for heating blankets, towels, surgical instruments, and other material for fomentation, sterilising, and other heating purposes.

No. 18658.—24th October, 1904.—JOHN BIGGAR WATERS, of Dunedin, New Zealand, Merchant. Improved egg-tester.

No. 18660. — 25th October, 1904. — FRANK COOPER, of Christchurch, New Zealand, Agricultural-implement Maker. An improved disc ridger.

No. 18662. — 27th October, 1904.—HELEN CORBETT, of 11, Portland Place, South Yarra, Victoria, Australia, Gentlewoman (assignee of Frederick John Corbett, of 11, Portland Place aforesaid, Gentleman). An improved siphon.

No. 18666.—28th October, 1904.—NIELS NIELSEN, of Wellington, New Zealand, Builder. Improvements in blocks for building purposes, and apparatus for construction of same.

No. 18667.—28th October, 1904.—DUNCAN MATHESON, of Martinborough, Wairarapa, Wellington, New Zealand, Stockrider. An improvement relating to overcoats.

No. 18668.—28th October, 1904.—JOHN CHARLES LEGG, of Grey Lynn, Auckland, New Zealand, Baker. An improved manner of attaching the handles of bakers' peels.

No. 18669.—28th October, 1904.—MORTON ALDIS, of Auckland, New Zealand, Solicitor. Improvements in or relating to billy-cans.

No. 18670.—28th October, 1904.—ROBERT HAYLOCK OWEN, of Wellington, New Zealand, Lieutenant-Colonel New Zealand Militia. An improved appliance for use in calculating distances, the same being particularly applicable for use in range-finding for artillery or rifle shooting.

No. 18673.—25th October, 1904.—JOHN THOMAS RODGERS, of Waimate, New Zealand, Flax-miller. Improved means for securing shafts to vehicles.

No. 18674.—29th October, 1904.—FREDERICK DE JERSEY CLERE, of 86, Lambton Quay, Wellington, New Zealand, Architect. Improvements in and relating to reversible window-sashes.

No. 18675. — 29th October, 1904. — CHARLES BERNARD PLUMMER and GEORGE WILFRED PLUMMER, trading as C. Plummer, of Rutland Street, Auckland, New Zealand, Straw-hat Manufacturers. An improvement relating to hats.

No. 18676.—26th October, 1904.—ALEXANDER TAYLOR, of Dunedin, New Zealand, Attendant. Improvements in cisterns.

No. 18678.—29th October, 1904.—EDWARD DALE SMITH, of Gisborne, New Zealand, Pharmaceutical Chemist, and JOHN THOMAS PARTRIDGE, of the same place, Settler. An improved composition for the eradication of noxious weeds.

No. 18680.—1st November, 1904.—GEORGE FINN, of 11, McFarlane Street, Wellington, New Zealand, and ARTHUR SELDON PIKE, of 49, Tasman Street, Wellington, aforesaid. Improved egg-carrier.

No. 18682.—1st November, 1904.—FREDERICK DE JERSEY CLERE, of 86, Lambton Quay, Wellington, New Zealand, Architect. Improvements in weatherboards.

No. 18686.—3rd November, 1904.—JAMES DAWSON JACKSON, of 6, Burns Street, Prahran, Bourke, Victoria, Australia, Plumber. Improvements in bath-heaters.

No. 18687.—3rd November, 1904.—JAMES DAWSON JACKSON, of 6, Burns Street, Prahran, Bourke, Victoria, Australia, Plumber. An improved atmospheric gas-burner for bath-heathers, cooking-stoves, and the like.

No. 18688. — 3rd November, 1904. — AUGUSTE JOSEPH FRANCOIS DE BAVAY, of "Florimel," Gellibrand Street, Kew, Victoria, Australia, Brewer and Chemist. An apparatus for separating by flotation parts of the constituents of ores and other solid bodies from the remainder thereof.

No. 18689.—3rd November, 1904.—SIDNEY WILMOT WINSLOW, of Beverly, Essex, Massachusetts, United States of America, Trustee of the Naumkeag Buffing-machine Association under a Declaration of Trust dated the 17th day of August, 1877 (assignee of Andrew Wilson Rogers, of Beverly aforesaid, Manufacturer). Improvements in or relating to buffing-machines.

No. 18690.—3rd November, 1904.—UNITED SHOE MACHINERY COMPANY, of Paterson, State of New Jersey, United States of America, a corporation duly organized under the laws of said State of New Jersey, and having a place of business at 205, Lincoln Street, Boston, Massachusetts, United States of America (assignee of Erastus Edwin Winkley, of Lynn, Essex, Massachusetts aforesaid). Improvements in or relating to sole-laying, sole levelling, or other sole-pressing or like machines used in the manufacture of boots or shoes.

No. 18691. — 3rd November, 1904. — UNITED SHOE MACHINERY COMPANY, of Paterson, State of New Jersey, United States of America, a corporation duly organized under the laws of said State of New Jersey, and having a place of business at 205, Lincoln Street, Boston, Massachusetts, United States of America (assignees of John Benjamin Hadaway, of Brockton, Plymouth, Massachusetts aforesaid). Improvements in or relating to machines for operating on welts of boots and shoes.

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.

F. WALDEGRAVE,
Registrar.

Letters Patent sealed.

LIST of Letters Patent sealed from the 25th October to the 8th November, 1904, inclusive:—

No. 16116.—H. E. Leighton, boiler-furnace. (H. Sanders.)

No. 16117.—H. E. Leighton, smoke-consumer and heat-economizer. (H. Sanders.)

No. 16239.—A. J. Park and H. M. Thorpe, milk weighing and delivering apparatus.

No. 16580.—R. Paterson, actuating lever wheel of plough.

No. 16587.—G. Ross, flue for register grate.

No. 16611.—H. J. Manson, door of tramway, &c., vehicle.

No. 16673.—W. Williams, spring attachment for plough-coulter.

No. 16690.—C. J. Duffy, playing billiards on ordinary table.

No. 16736.—W. Seavill, castor.

No. 16737.—W. H. Edwards, cool-storage safe.

No. 16907.—H. Droutlege, registering number-recording machine.

No. 16938.—J. H. Millar, seed-sower.

No. 16996.—C. E. Lowe, means for sulphurising fruit.

No. 17015.—G. F. Church, hedge-cutter knife.

No. 17053.—M. Bowles, ventilator.

No. 17108.—A. L. Applegarth, fuel-economizer and smoke-preventer.

No. 17695.—A. Adiassewich, treating shale-oil.

No. 17905.—H. S. Stark, extraction of gold.

No. 17925.—E. and C. Johanson, vehicle-bearings.

No. 17951.—Electric and Train Lighting Syndicate, Limited, dynamos. (I. Deutsch.)

No. 17952.—Electric and Train Lighting Syndicate, Limited, brush-holder for electric machine. (I. Deutsch.)

No. 17953.—Electric and Train Lighting Syndicate, Limited, voltage-controller. (I. Deutsch.)

No. 17964.—A. Divine, advertising-exhibitor and newspaper-file.

No. 18006.—G. A. Peters, electrically operated target.

No. 18007.—A. Christie, butter sizer and printer.

No. 18023.—Olds Motor-works, motor vehicle. (N. T. Harrington.)

No. 18072.—W. E. and O. H. Barker, hydraulic ram.

No. 18114.—M. W. Haenke, gas lighting and extinguishing.

No. 18127.—F. Visintini, lattice or truss girder.

No. 18131.—C. F. Strauss, lever-gripper for ore-feeder. (M. Nelson.)

No. 18139.—G. W. Basley, standards for supporting wires. (W. V. Gilbert.)

No. 18151.—H. Griffiths, balmoral boot.

No. 18154.—F. G. Shury, filter for purifying feed-water of boiler.

F. WALDEGRAVE,
Registrar.

Letters Patent on which Fees have been paid.

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

SECOND TERM FEES.

NO. 13111.—B. Holben and W. Kirk, rim for milk-can lid. (G. Smart and R. W. Ashcroft.) 28th October, 1904.

No. 13143.—J. Woodhead, cramp. 3rd November, 1904.

No. 13173.—J. Osborne, sinking artesian well. 3rd November, 1904.

THIRD-TERM FEES.

No. 10114. — M. Ferguson, forming dovetail edges on plates. 7th November, 1904.

No. 10115.—M. Ferguson, closing locking-bars of rivetless pipes. 7th November, 1904.

No. 10171.—C. G. Hepburn, treating fats and oils. 3rd November, 1904.

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. 11560.—The Aerated Cream and Dairy Company, Limited, of 52, Bedford Row, in the County of London, England, preservation of milk. [W. E. Hughes—T. K. Freeman—T. Eves.] 3rd November, 1904.

No. 14045.—William Knight, of 7, Livingstone Road, Perry Barr, in the County of Stafford, England, Gentleman, tube and hose joint. [D. Hurst.] 31st October, 1904.

Nos. 15586 and 16712.—Quertier's Excavator and Ballast Filler Company, Limited, being a company incorporated under "The Companies Act, 1903," and having its registered office at Dunedin, New Zealand, machine for excavating, raising, screening, &c., ballast, &c. [H. Quertier.] 7th November, 1904.

No. 17069.—The British-American Tobacco Company, Limited, incorporated in England under the Companies Acts, and doing business at Cecil Chambers, 86, Strand, London, W.C., England, cigarette-machine. [W. E. Hughes—British-American Tobacco Company, Limited—P. A. Lawles, D. J. Campbell, and O. W. Allison.] 7th November, 1904.

No. 17947.—The British Westinghouse Electric and Manufacturing Company, Limited, of Westinghouse Building, Norfolk Street, Strand, in the City of Westminster, England, Manufacturers, mixing valves for explosive engines. [J. P. Campbell—L. A. Merkt.] 31st October, 1904.

No. 18015.—The British Westinghouse Electric and Manufacturing Company, Limited, of Westinghouse Building, Norfolk Street, in the City of Westminster, England, Manufacturers, electric-current-collecting device. [J. T. Hunter—K. F. Elers.] 31st October, 1904.

F. WALDEGRAVE,
Registrar.

Notice of Request to amend Specification.

Patent Office,
Wellington, 8th November, 1904.

A REQUEST for leave to amend the specification relating to the undermentioned application for Letters Patent has been received, and is open to public inspection at this office. Any person may, at any time from one month from the date of this *Gazette*, give me notice in writing of opposition to the amendments. Such notice must set forth the particular grounds of objection, and be in duplicate. A fee of 10s. is payable thereon.

No. 16978.—16th September, 1903.—THOMAS ROUSE, of 7, Old Hill Street, Stamford Hill, London, N.E., England, Gentleman, and HERRMANN COHN, of 7, Brunswick Square, St. Pancras, London, W.C., England, Merchant. Improved method of converting into briquettes or lumps ironsand, whether natural or prepared, by reducing to powder iron-ore or iron-wastes.

The nature of the proposed amendments is as follows:—

1. To insert the following "(*i.e.*, ironsand to a great extent or wholly purified from quartz or other foreign matters)" after the word "concentrates," line 8, page 2, of specification.

2. To insert the words "a small amount of" after the word "than," line 13, page 2.

3. To insert the words "moistened by being" after the word "is," line 19, page 2.

4. To insert the words "if exposed to the atmosphere for two days become sufficiently hard for all practical purposes, but which" after the word "which," line 28, page 2.

5. To strike out the words "are hardened," line 2, page 3, and insert instead "may be quickly hardened."

6. To insert after line 2, page 3, the following paragraph: "The smaller the quantity of the solution employed the better, so that the above-described condition is produced. It is found that an amount of solution equal to about 5 per cent. of the weight of the concentrates used is sufficient in cases where the concentrate is clean and thoroughly separated from foreign matters."

7. To insert the word "quick" before the word "hardening," line 3, page 3.

8. To insert after the words "what we claim is," line 21, page 4, the following claim: "1. The process of agglomerating into lumps or blocks, by means of a weak solution of waterglass, ironsand, powdered iron-ore, blue-billy, or the like, or mixtures thereof, for hardening the same by exposure to the atmosphere or otherwise, substantially as described."

9. To number the claim in specification "2," and to insert the word "weak" before the word "solution," line 2 of claim.

The applicants state: "Our reason for making the amendment is as follows: We desire to more clearly and fully explain what we claim as our invention."

F. WALDEGRAVE,
Registrar.

Applications for Letters Patent abandoned.

LIST of applications for Letters Patent, with which provisional specifications only have been filed, abandoned (*i.e.*, complete specifications not lodged) from the 27th October to the 8th November, 1904, inclusive:—

No. 17421.—H. Jenkins and D. Duncan, ointment.
No. 17428.—H. Lightband, tire-cover.
No. 17429.—W. Reeves, tobacco-cutter.
No. 17430.—F. T. Page, fishing-rod attachment.
No. 17431.—J. M. Twomey, newspaper-folding machine.
No. 17432.—F. G. Rickard, inflating pneumatic tire.
No. 17433.—F. J. Gane and J. Mitchell, boot-protector.
No. 17434.—F. S. Parker, hot-water shower.
No. 17435.—T. Danks, sinking artesian well.
No. 17436.—A. Whitney, tap.
No. 17439.—A. W., A. H., H. J. Dobbie and J. E. M. Morley, animal-scarer.
No. 17441.—A. G. Parry, sifting cinders, meal, &c.
No. 17443.—R. L. Christie, gold-saving apparatus.
No. 17444.—G. F. Moyle, music-leaf turner.
No. 17448.—T. U. Cooper, brake-attachment.

F. WALDEGRAVE,
Registrar.

Applications for Letters Patent void.

APPLICATIONS for Letters Patent, with which complete specifications have been lodged, void owing to non-acceptance of such complete specifications, from the 27th October to the 8th November, 1904, inclusive:—

Nil.

F. WALDEGRAVE,
Registrar.

Applications for Letters Patent lapsed.

LIST of applications lapsed owing to Letters Patent not being sealed, from the 27th October to the 8th November, 1904, inclusive:—

No. 16279.—C. W. and H. S. Wycherley, leggings-fastening.
No. 16290.—J. O'Neill, windmill-lubricator.
No. 16298.—A. Bishop, snatch-block.
No. 16317.—J. Montgomery, clip for necktie.
No. 16318.—H. Durand, trace-fastening.

F. WALDEGRAVE,
Registrar.

Letters Patent void.

LETTERS Patent void through non-payment of renewal fees from the 27th October to the 8th November, 1904, inclusive:—

THROUGH NON-PAYMENT OF SECOND-TERM FEES.

No. 12821.—The Christchurch Press Company, Limited, and J. V. Price, production of overlays in illustration-printing.
No. 12822.—W. A. Land, seed and manure sower.
No. 12824.—W. C. Page, axle-box fastening.
No. 12829.—Grenier Art Company, coloured photographs. (P. M. C. Grenier.)
No. 12830.—The General Metal-reduction Company, Limited, treatment of ores. (G. de Bechi.)
No. 12831.—The General Metal-reduction Company, Limited, production of zinc-oxide. (G. de Bechi.)
No. 12832.—W. L. Voelker, incandescing electric lamp.
No. 12835.—W. P. Griffiths, separating hair from skins.
No. 12838.—J. H. Walker, syringe and reservoir.

THROUGH NON-PAYMENT OF THIRD-TERM FEES.

No. 9739.—G. B. Shepard, rotary machine.
No. 9744.—W. Jennings and M. G. B. Jefferson, centrifugal pump.
No. 9754.—E. Makin, jun., steam generator and superheater.
No. 9760.—J. L. Kirkbride, crushing and grinding rolls.

F. WALDEGRAVE,
Registrar.

Applications for Registration of Trade Marks.

Patent Office,
Wellington, 8th November, 1904.

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: 4512.

Date: 12th January, 1904.

TRADE MARK.

The applicants claim that the said trade mark has been in use by them in respect of the articles mentioned for at least one year before the 1st January, 1889.

NAME.

CARR AND SON, of New Southgate, Middlesex, England, Blacking-manufacturers.

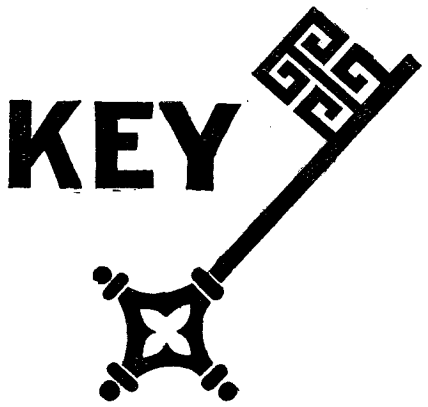
No. of class: 50.

Description of goods: Leather-polish, metal-polish, furniture-polish, blacking, black-lead for polishing, knife-polish, plate-polish, plate-powder, polishing-cloths, emery, emery-cloth, glass-cloth, and all other preparations and materials included in class 50 for cleaning, polishing, or preserving boots and shoes and leather goods generally, and metal goods.

No. of application: 4914.

Date: 15th September, 1904.

TRADE MARK.



NAME.

LEVER BROS., LIMITED, of Balmain, State of New South Wales, Soap and Oil-cake Manufacturers.

No. of class: 42.

Description of goods: Oil-cake and all other articles in the class, with the exception of butter, coffee, and other goods of the like description.

No. of application: 4954.

Date: 10th October, 1904.

TRADE MARK.

The essential particulars of this trade mark are the device of blue bells and the words "Blue Bell"; and any right to the exclusive use of the added matter is disclaimed.

NAME.

JAMES THAWLEY, of 53, Tory Street, Wellington, New Zealand, Grocer.

No. of class: 42.

Description of goods: Butter.

No. of application: 4957.
Date: 14th October, 1904.

TRADE MARK.

KLONDYKE TEA

The essential particular of this trade mark is the combination of devices; and applicant disclaims any right to the exclusive use of the added matter, except his name and address.

NAME.

ARCHIBALD CHRISTIE, of Gore, New Zealand, Grocer.

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

No. of application: 4960.
Date: 15th October, 1904.

TRADE MARK.

The word

"GRANUX."

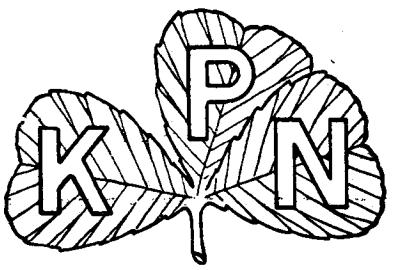
NAME.

ERNEST C. HADFIELD, of Auckland, New Zealand, Manufacturer of Health Foods.

No. of class: 42.
Description of goods: A cereal-food preparation.

No. of application: 4966.
Date: 21st October, 1904.

TRADE MARK.



KAYPIENNE
in Clover

The essential particulars of this trade mark are the device of a piece of white clover, having on the three leaves thereof the letters "K P N," and the words "Kaypienne in Clover" beneath the device; and any right to the exclusive use of the added matter is disclaimed.

NAME.

EDWARD ESPENHAHN, VIPONT EDWARD MARTIN, and FRANK LIVINGSTONE MARTIN, all of 233, Sussex Street, Sydney, New South Wales, Australia.

No. of class: 2.

Description of goods: Chemical substances used for agricultural and horticultural purposes, such as artificial manure and other fertilisers.

No. of application: 4976.
Date: 24th October, 1904.

TRADE MARK.

The word

"PERUNA."

NAME.

JOHN GERRIE NEIL, of Invercargill, Southland, in the Colony of New Zealand, Chemist.

No. of class: 2.

Description of goods: Chemical substances used for agricultural, horticultural, veterinary, and sanitary purposes.

No. of application: 4977.
Date: 24th October, 1904.

TRADE MARK.

The word

"PERUNA."

NAME.

JOHN GERRIE NEIL, of Invercargill, Southland, in the Colony of New Zealand, Chemist.

No. of class: 3.

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

No. of application: 4978.
Date: 27th October, 1904.

TRADE MARK.

The essential particulars of the trade mark are the name "Electro-Silicon" and the woman device; and applicants disclaim any right to the exclusive use of the added matter, except their name.

NAME.

THE ELECTRO-SILICON COMPANY, of 30, Cliff Street, New York, United States of America, Manufacturers.

No. of class: 50.

Description of goods: Polishing-powders and polishing-materials.

No. of application: 4981.
Date: 31st October, 1904.

TRADE MARK.

The essential particular of the trade mark is the word "Veda"; and any right to the exclusive use of the added matter is disclaimed.

NAME.

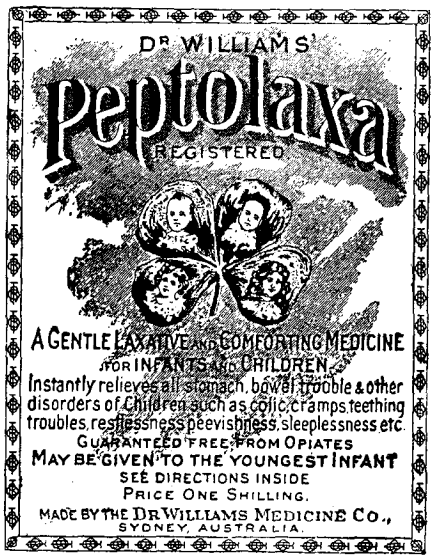
ROBERT GRAHAM, of Pitlair, Springfield, Fifeshire, Scotland, Maltster.

No. of class: 42.

Description of goods: Substances used as articles of food.

No. of application: 4982.
Date: 31st October, 1904.

TRADE MARK.



The essential particulars of this trade mark are the name "Peptolaxa," the four-leafed-clover design, and the device as a whole; and any right to the exclusive use of the added printed matter, except the names Dr. Williams and the trading name and address, is disclaimed.

NAME.

GEORGE TAYLOR FULFORD (trading as The Dr. Williams Medicine Company), of Brockville, Ontario, Canada, Proprietor of Patent Medicines.

No. of class: 3.

Description of goods: Patent medicines.

No. of application: 4983.
Date: 1st November, 1904.

TRADE MARK.

The word

NEPTUNE.

NAME.

HENRY JAMES MANSON, of Palmerston North, New Zealand, Importer.

No. of class: 7.

Description of goods: Cream-separators.

No. of application: 4984.
Date: 1st November, 1904.

TRADE MARK.

NAME.

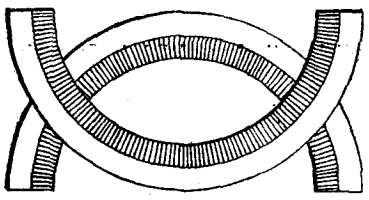
ROBERT MIDDLEMAS, trading as Walters and Co., of St. Botolph House, Aldgate, London, England, Tobacco Importers.

No. of class: 45.

Description of goods: Smoking-tobacco, chewing-tobacco, cigars, cheroots, cigarettes, and snuff.

No. of application: 4985.
Date: 1st November, 1904.

TRADE MARK.



NAME.

THE HONOURABLE CHARLES ALGERNON PARSONS, of Heaton Works, Newcastle-on-Tyne, England, Engineer.

No. of class: 6.

Description of goods: Machinery of all kinds included in this class.

No. of application: 4988.
Date: 2nd November, 1904.

TRADE MARK.

The word

SALOPHOS.

NAME.

SOUTHERN MEDICAL AND MANUFACTURING COMPANY, of Christchurch, in the Colony of New Zealand.

No. of class: 3.

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

No. of application: 4989.
Date: 3rd November, 1904.

TRADE MARK.

The word

VINEX.

NAME.

FELTON, GRIMWADE, AND Co., of 342 to 346, Little Flinders Street, Melbourne, in the State of Victoria and Commonwealth of Australia, Wholesale Druggists and Manufacturing Chemists.

No. of class: 42.

Description of goods: An extract from pure grape-juice.

No. of application: 4991.
Date: 3rd November, 1904.

TRADE MARK.

The words

HOLBROOK & CO.

The applicants claim that the said trade mark has been in use by them and their predecessors in business in respect of the articles mentioned from the year 1877.

NAME.

HOLBROOKS, LIMITED, of Ashted Row, Birmingham, England, Manufacturers.

No. of class: 42.

Description of goods: Sauces, condiments, and all articles, substances, foods, and ingredients in food enumerated in class 42.

No. of application: 4992.
Date: 3rd November, 1904.

TRADE MARK.

The word

WHALEBONE.

NAME.

WILLIAM JACQUES KINGSLAND, of 35, South William Street, New York City, New York, United States of America, Manufacturers' Export Agent.

No. of class: 50.

Description of goods: Carriage-wheels, wheel-material, and carriage woodwork of all kinds.

No. of application: 4994.
Date: 4th November, 1904.

TRADE MARK.

The word

BOURDON.

NAME.

A. DURIE AND Co., of Octagon, Dunedin, New Zealand.

No. of class: 42.

Description of goods: Articles and foodstuffs and condiments, &c., contained in that class.

No. of application: 4996.

Date: 5th November, 1904.

TRADE MARK.

The word

KNORUB.

NAME.

NEILL AND CO., LIMITED, trading as Chrystall and Co., of Christchurch, New Zealand.

No. of class: 50.

Description of goods: Linoleum-polish, stove-polish, blacking, and similar compounds and materials for polishing furniture, cutlery, china, glass, earthenware, metals, building-paints.

F. WALDEGRAVE,
Registrar.

Trade Marks registered.

LIST of Trade Marks registered from the 27th October to the 8th November, 1904, inclusive:—

No. 3788; 4400.—Sargood, Son, and Ewen. Class 38. (*Gazette* No. 69, of the 18th August, 1904.)

No. 3789; 4593.—Horlick's Food Company. Class 42. (*Gazette* No. 69, of the 18th August, 1904.)

No. 3790; 4790.—Teed and Co. Class 39. (*Gazette* No. 69, of the 18th August, 1904.)

No. 3791; 4837.—G. Leach. Class 7. (*Gazette* No. 69, of the 18th August, 1904.)

No. 3792; 4840.—G. Trapnell. Class 42. (*Gazette* No. 69, of the 18th August, 1904.)

No. 3793; 4849.—Maynard and Co. Class 44. (*Gazette* No. 69, of the 18th August, 1904.)

No. 3794; 4845.—The American Tobacco Company of New Zealand, Limited. Class 45. (*Gazette* No. 69, of the 18th August, 1904.)

No. 3795; 4853.—Manning Bros. Class 3. (*Gazette* No. 69, of the 18th August, 1904.)

No. 3796; 4854.—Manning Bros. Class 3. (*Gazette* No. 69, of the 18th August, 1904.)

No. 3797; 4855.—W. A. P. Sutton. Class 2. (*Gazette* No. 69, of the 18th August, 1904.)

No. 3798; 4857.—Sybry, Searls, and Co., Limited. Class 5. (*Gazette* No. 69, of the 18th August, 1904.)

No. 3799; 4858.—P. W. Merfield. Class 50. (*Gazette* No. 69, of the 18th August, 1904.)

No. 3800; 4838.—Pearson and Rutter, Limited. Class 42. (*Gazette* No. 69, of the 18th August, 1904.)

No. 3801; 4839.—Pearson and Rutter, Limited. Class 42. (*Gazette* No. 69, of the 18th August, 1904.)

No. 3802; 4842.—A. S. Paterson and Co. Class 42. (*Gazette* No. 69, of the 18th August, 1904.)

No. 3803; 4720.—J. Brigham and M. Hibbert. Class 3 (*Gazette* No. 69, of the 18th August, 1904.)

No. 3804; 4607.—Heather, Roberton, and Co. Class 42. (*Gazette* No. 28, of the 31st March, 1904.)

No. 3805; 4795.) Sheldon Drug Company. Class 3.
No. 3806; 4796.} (*Gazette* No. 66, of the 4th August,
No. 3807; 4797.) 1904.)

No. 3808; 4408.—A. M. Lewis. Class 18. (*Gazette* No. 81, of the 15th October, 1903.)

No. 3809; 4254.—J. Ainslie and Co. Class 43. (*Gazette* No. 74, of the 1st September, 1904.)

No. 3810; 4775.—J. Nathan and Co., Limited. Class 42. (*Gazette* No. 54, of the 23rd June, 1904.)

No. 3811; 4860.—The Sociedad Anomina Germinal. Class 45. (*Gazette* No. 74, of the 1st September, 1904.)

No. 3812; 4875.—G. Goulet and Co. Class 43. (*Gazette* No. 74, of the 1st September, 1904.)

No. 3813; 4885.—Horrockes, Crewdson, and Co. Class 24. (*Gazette* No. 74, of the 1st September, 1904.)

No. 3814; 4886.—Horrockes, Crewdson, and Co. Class 38. (*Gazette* No. 74, of the 1st September, 1904.)

F. WALDEGRAVE,
Registrar.

Restoration of Trade Mark to the Register.

THE following trade mark has been restored to the Register:—

No. 59/163.—J. M. Morran, of Auckland, New Zealand.

F. WALDEGRAVE,
Registrar.

Trade Mark Renewal Fees paid.

FEES paid for the renewal of the undermentioned Trade Marks for fourteen years from the date first mentioned:—

No. 59/163.—30th June, 1904.—J. M. Morran, of Auckland, New Zealand. 3rd November, 1904.

Nos. 157/251 and 158/252.—31st December, 1904.—The Mosgiel Woollen-factory Company, Limited, of Dunedin, New Zealand. 4th November, 1904.

F. WALDEGRAVE,
Registrar.

Subsequent Proprietor of Trade Mark registered.

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

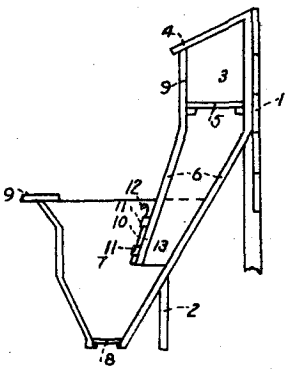
NO. 2742/2172.—Dunlop Pneumatic Tire Company of Australasia, Limited, of 108, Flinders Street, Melbourne, in the State of Victoria, Australia. [The Dunlop Pneumatic Tire Company Australasia, Limited.] 4th November, 1904.

F. WALDEGRAVE,
Registrar.

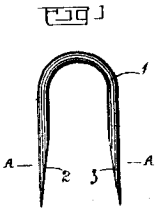
By Authority: JOHN MACKAY, Government Printer, Wellington.

ILLUSTRATIONS OF INVENTIONS.

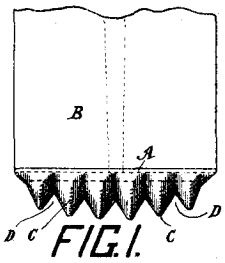
[These illustrations refer to the complete specifications accepted, and advertised in this *Gazette*.]

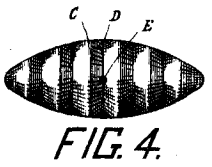


17398
Easton. Feed-box.

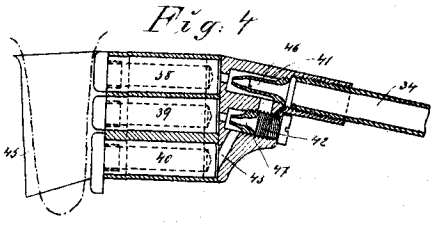


17501
Chewings. Fencing-staple.

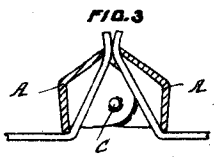




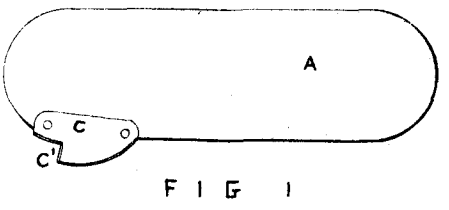
17838
Peterson. Mouthpiece for Pipe, &c.



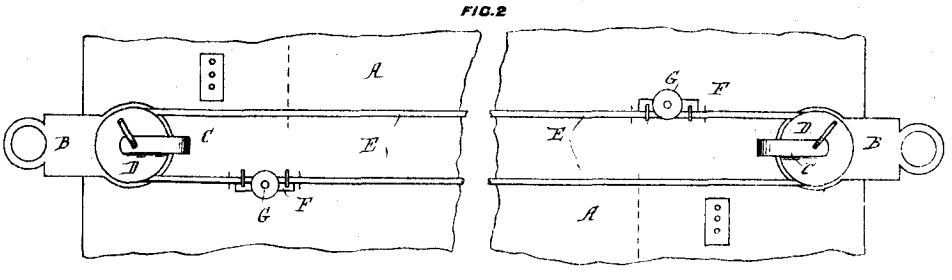
17489
Ljungström. Cow-milker.



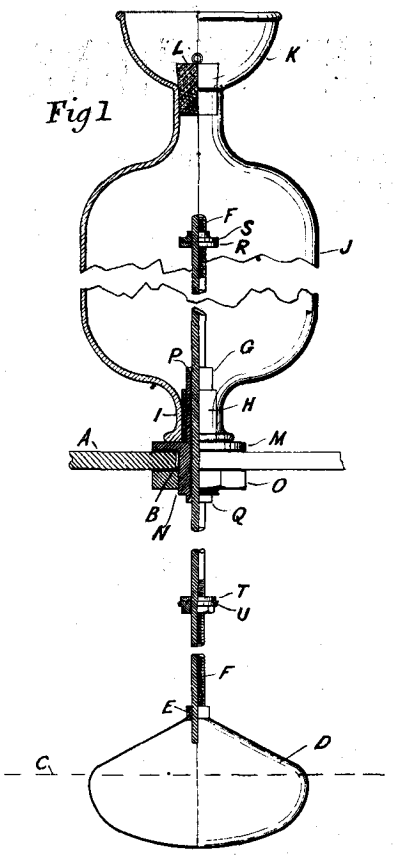
18356
Rasmussen. Belt-fastener.



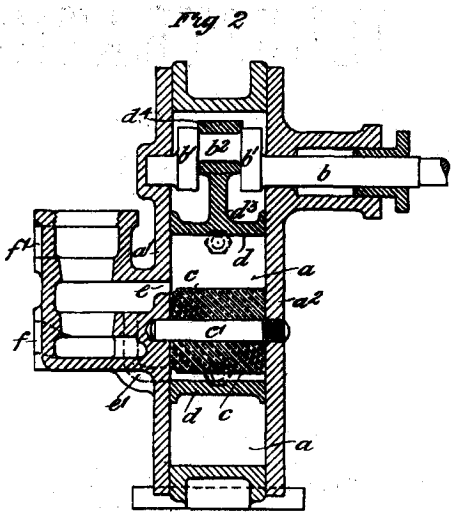
18397
Ward. Brush.



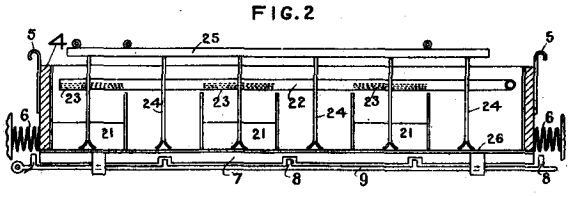
17460
Brice. Table Cricket.



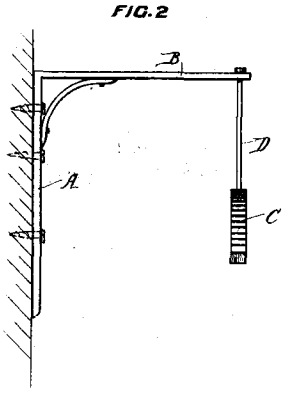
18583
Hayward. Liquid-feed Flush.



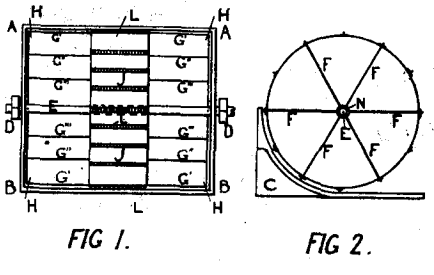
18599
Positive Rotary Pumps (Limited). Pump. (Brackett.)



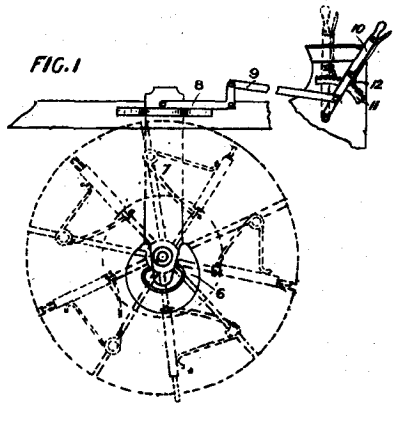
18585
Swyny and Plucknett. Concentrator Trough.



18539
Collins. Coat-hanger.



18619
Seifert. Flaxmilling Machinery.



17099
McDonald and Stedman. Wheel.

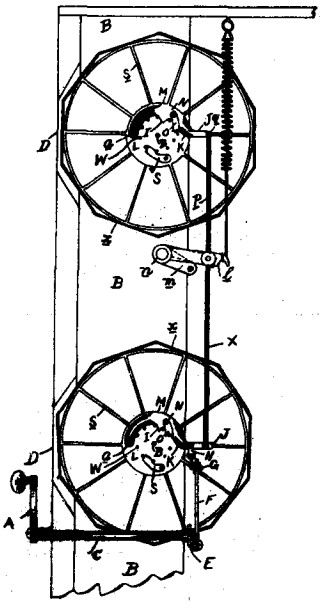
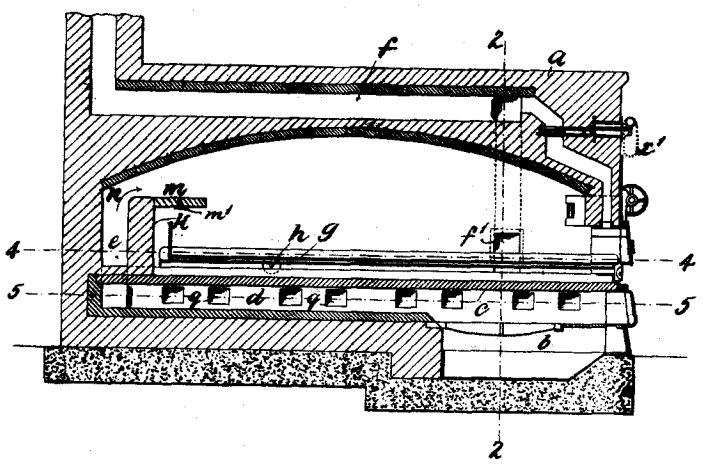
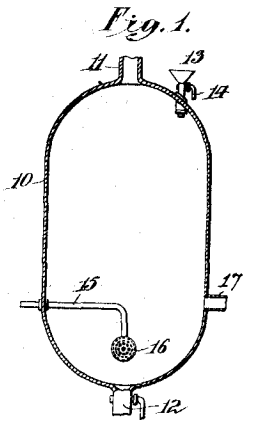


Fig:1.

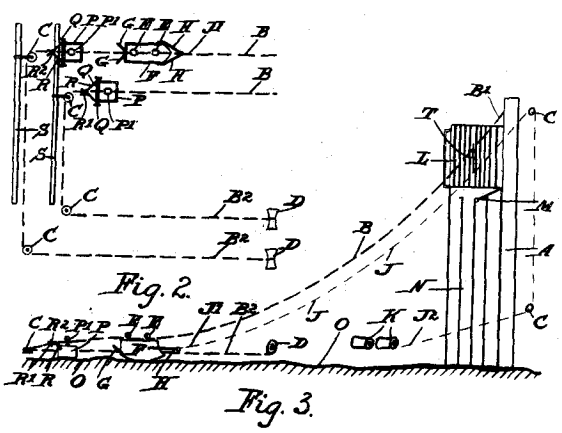
18594
Droutlege. Registering-machine.



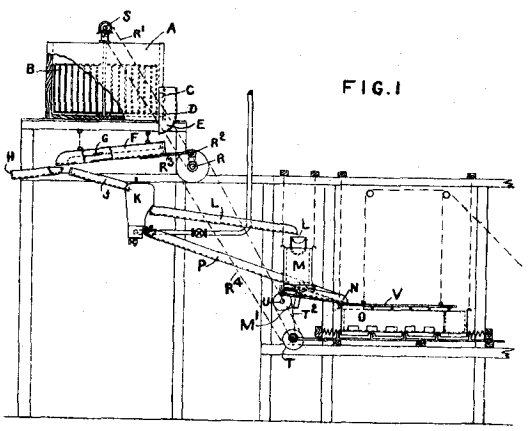
18531
Richard and Scott. Bakers' Oven.



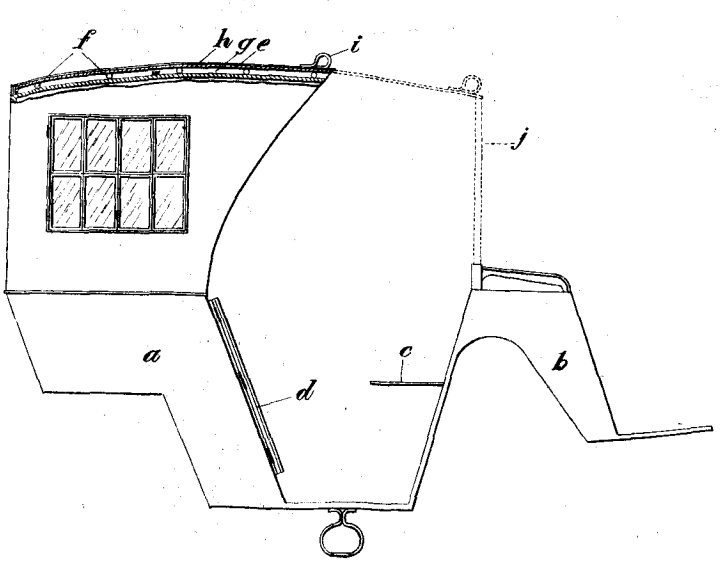
18598
Phillips. Treating Milk. (Kennedy.)



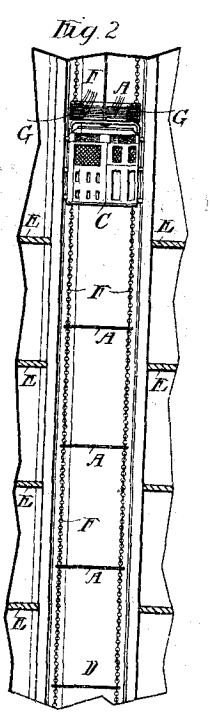
18605
Symes. Earth-elevator.



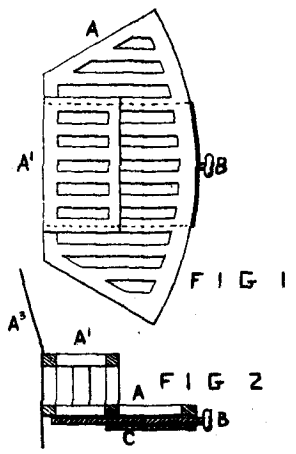
18586
Swyny and Plucknett. Buoyant-particle Extractor.



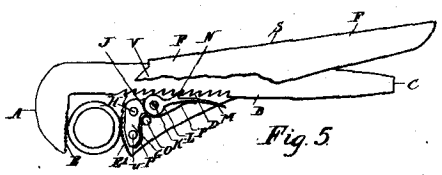
18429
Whitehouse. Vehicle.



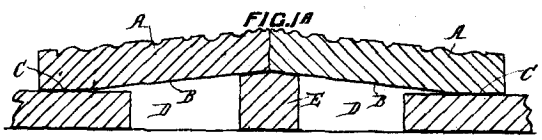
18511
Conolly. Elevator Safety-appliance.



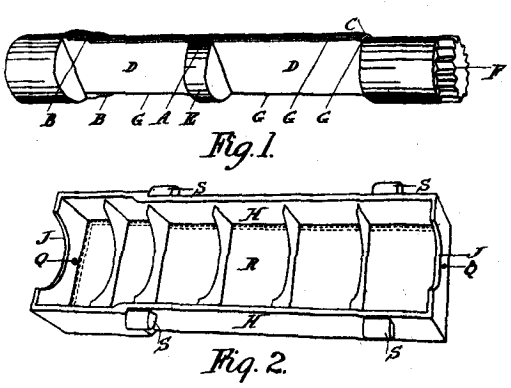
18515
Mouat. Grate.



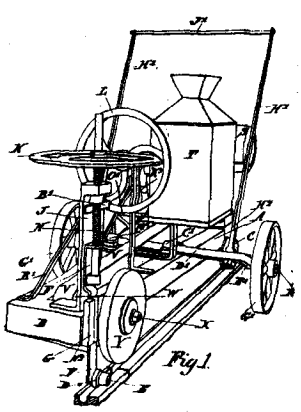
18530
Adams and Cross. Pipe-wrench.



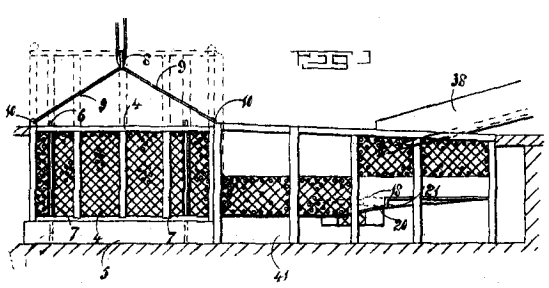
18555
Falkner. Forming Moulding-boards.



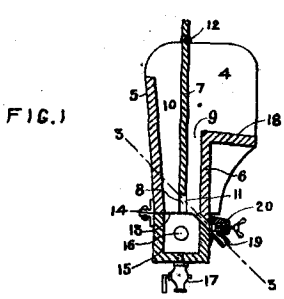
18529
Campbell. Pipe-moulder.



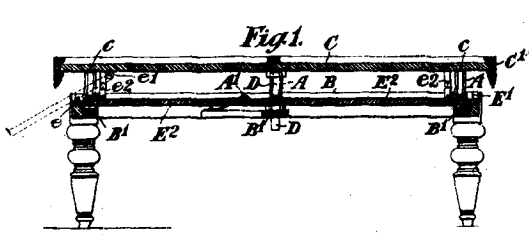
18537
Woods and Gilbert. Rail-dressing Apparatus.



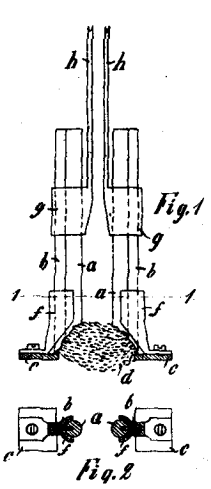
18573
Ashworth. Wool-washing Apparatus.



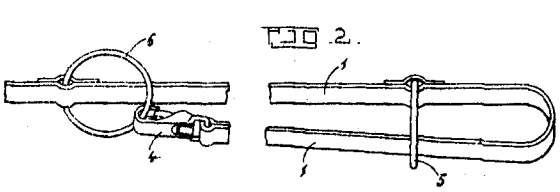
18584
Swyny and Plucknett. Ore Separator and Classifier.



18517
Alcock. Billiard-table.



18512
Beck. Electric Arc Lamp.



18543
Prince. Leg-fastener.