Patents, Designs, and Trade Marks

SUPPLEMENT

TO THE

NEW ZEALAND GAZETTE

OF

THURSDAY, FEBRUARY 22, 1912.

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WELLINGTON, THURSDAY, FEBRUARY 22, 1912.

CONTENTS.

International and Intercolonial Arrangements for the Mutual Protection of Patents and Trade Marks.

INTERNATIONAL CONVENTION.

THE following countries now belong to the Convention :—

Australia.	Hungary.
Austria.	Italy.
Belgium.	Japan.
Brazil.	Mexico.
Ceylon.	New Zealand.
Cuba.	Norway.
Denmark and Faroe Islands.	Portugal, with the Azores and Madeira.
Dominican Republic.	Servia.
France, with Algeria and colonies.	Spain.
Germany.	Sweden.
Great Britain.	Switzerland.
Holland, with East Indian colonies, Curaçoa, and Surinam.*	Trinidad and Tobago.
	Tunis.
	United States of America.

* Trade marks only.

Separate arrangements have been made between Australia and New Zealand.

Particulars of the Convention and of such arrangements may be seen in the following *Gazettes* :—

Notification of adhesion of New Zealand to the Convention, with text thereof (in English), in the *Gazette* of 26th November, 1891 ; notification of adherence of New Zealand to the Additional Act of the Convention, in Patents Supplement to *Gazette* No. 101, of the 16th November, 1905 ; Order in Council applying section 103 of the Imperial Act to New Zealand, in *Gazette* No. 27, of the 15th May, 1890 ; Orders in Council containing arrangements between Australia and New Zealand, in Patent Supplements to the *Gazette* Nos. 22, of the 9th March, 1905, and 38, of the 20th April, 1905.

Specifications open to Public Inspection before Acceptance.

(In accordance with the arrangements made between Australia and New Zealand.)

[The specifications may be inspected at the Patent Office, Wellington, on payment of a search fee of 1s. per hour.]

NO. 30288.—R. J. Fry, horse-shoe machine. (Prior date applied for, 21st February, 1911.)

No. 30886.—C. Watson, fruit-grader. (Prior date applied for, 21st February, 1911.)

Applications for Letters Patent filed.

LIST of applications for Letters Patent filed. (Where a complete specification accompanies an application an asterisk is affixed; in all other cases a provisional specification has been lodged. In all cases where the applicant is not the inventor the name of the latter appears in italics in brackets. † Denotes an application under the International and Intercolonial Arrangements.)

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Malone's Fastener, Limited, Sydney, N.S.W. (*Malone, W. M.*, and *O'Neill, J. T.*) Boot, legging, &c., fastener*; 30870; 14th February.
Hyde, C. R., Sydney, N.S.W. .. .. .. Tap, &c., operator; 30871; 14th February.
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Blackham, W. H., Melbourne, Vic. (*Davey, H. H.—Modern Canner Company—Lawrence, L. L.*) Cooking-apparatus*; 30872; 14th February.
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Complete Specifications filed after Provisionals.

LIST of complete specifications filed after provisional specifications from the 2nd to the 15th February, 1912, inclusive:—

No. 29488.—G. W. Penny, clasp fitting for agricultural implement.
No. 29510.—C. E. Player, gate or door fastening.
No. 29514.—G. T. Booth, cream-separator driving-gear.
No. 29516.—G. W. Davies, explosive compound.
No. 29539.—W. G. Fountain and W. J. Paterson, milk-releaser.
No. 29783.—J. D. Hunter, curd breaker and cutter.
No. 30068.—H. Hoare and J. T. Evans, oil-fuel utilizing.

Notice of Acceptance of Complete Specifications.

Patent Office,
Wellington, 21st February, 1912.

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.

The copies of claims and extracts from the specifications and drawings are merely intended to give some further indication of the invention than is disclosed in the title, and the complete specifications and drawings should be referred to for a description of the invention.

No. 28811.—1st December, 1910.—DONALD BARNS MORISON, of Hartlepool Engine-works, Hartlepool, Durham, England, Engineer. Improvements in or relating to apparatus for cooling liquids.

Extract from Specification.—According to the present invention, the apparatus consists of nozzles, or their equivalent, through which the liquid is projected vertically downwards, distributors or sprayers which receive and atomize the water discharged from the nozzles, and collecting-planes which receive the falling water, which has been previously diffused and atomized by the sprayers, and deliver it into troughs either for discharge from the apparatus or for further distribution and collection therein, such action being repeated as often as may be required. (Specification, 11s.)

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

No. 29036.—9th February, 1911.—SAMUEL BLACKELY FORSCUTT, of 60 Dowling Street, Dunedin, New Zealand, Poultry-grader. An improved target.*

Claims.—(1.) In a self-scoring target, the combination of a normally open electric circuit carrying a suitable register for a support, provided with bolts and springs projecting therefrom; a series of plates and metal bands in said circuit, corresponding to target-divisions, mounted at intervals on said bolts, and contact-wires operated when one of the said plates is struck by a bullet to close the said electric circuit and ring the bell and bring down a shutter at the indicator, one or more of said plates being formed of a plurality of sections and bolts operated, and contact-wires or metal bands pressing against said plates and adapted to close said electric circuit and springs for preventing the vibration of said plates when struck, a bolt for each spring holding it against the corresponding target-plate. A bullet-proof V-shaped band fits over the edges of the target-plates to prevent the lead from getting into the target, and guides bullets more correctly to the face of the said target, substantially as described. (2.) In a self-scoring target, the steel plates facing a wood backing, a bolt carrying springs thereby, a plate, a bolt to which said plate is attached, said bolt being mounted in said wooden backing, a spring surrounding said bolts, and electric circuit adapted to be closed by the rearward movements of said bolt when the plates or discs are struck by a bullet. Only one indicator and bell is required for each target. Substantially as described. (Specification, 6s.)

No. 29104.—7th February, 1911.—WILLIAM WALLACE, of Invercargill North, New Zealand, Rabbit-trapper. Improvements in or relating to rabbit-traps.*

Claim.—(1.) In rabbit-traps, a fastening-chain having interposed therein a pair of looped rods arranged to overlap each other, and a spring in compression surrounding the overlapping portions of the rods and bearing against the outer ends of the respective rods, substantially as and for the purposes specified. (Specification, 2s. 6d.)

[NOTE.—Here follows one other claim.]

No. 29123.—22nd February, 1910.†—WILLIAM ARTHUR BONE, of the University, Leeds, York, England, Professor of Applied Chemistry; JAMES WILLIAM WILSON, of Carlton Works, Armley, Leeds aforesaid, Gas-stove Manufacturer; and CYRIL DOUGLAS MCCOURT, of 13 Malwood Road, Balham Hill, London S.W., England, Chemist.

Extract from Specification.—According to this invention, a mixture of "combustible gas" and air, substantially in the proportions theoretically required for complete combustion, or with air in slight excess thereof, and called the "gaseous mixture," is passed into a bed or beds of refractory granular material packed, or disposed, in a tube or tubes, channel or channels, or the like, traversing or in proximity to the body of liquid to be heated and at a pressure sufficient to overcome the resistance to gaseous flow exercised by the granules and at such a speed that back ignition of the mixture is prevented. (Specification, 13s.)

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

No. 29155.—18th February, 1911.—CHARLES ERNEST PLAYER, of Birkenhead, Auckland, New Zealand, Medical Practitioner. A cooling-screen.*

Claim.—(1.) A cooling-screen formed by two or more layers of absorbent fabric arranged face to face and attached together in horizontal lines at intervals apart in its height, and means for introducing a supply of water between the layers, substantially as specified. (Specification, 2s. 9d.)

[NOTE.—Here follows one other claim.]

No. 29176.—24th February, 1911.—EDWIN DANIEL BERRY, of Palmerston North, New Zealand, Mechanical Engineer. Improvements in the pasteurization of skim-milk, whey, or other liquids by means of superheated steam.*

Claims.—(1.) Means for use in the pasteurization of milk and other liquids, consisting of a vertical cylinder, a cover-plate adapted to fit upon and cover each end of the cylinder, a single tie-bolt extending axially through the cylinder and through both cover-plates and holding them on the cylinder, and means for the introduction of steam into the cylinder and for the introduction and withdrawal of milk, substantially as specified. (2.) Means for use in the pasteurization of milk and other liquids, consisting of a vertical cylinder closed at its top and bottom ends, an inlet-passage leading tangentially into the bottom end of the cylinder, an outlet-passage leading tangentially from the upper end of the cylinder, and steam inlet-nozzles arranged in the centre of the cylinder at its bottom end and emerging tangentially into the cylinder, substantially as specified. (3.) The pasteurizer for milk and other liquids constructed, arranged, and operated substantially as described and explained, and as illustrated in the drawings. (Specification, 4s.)

No. 29219.—3rd March, 1911.—ERNEST MOSS, of Christchurch, New Zealand, Mechanic. Improved electrical annunciator.

Extract from Specification.—Comprises a framework within which is journalled a horizontal axis. Mounted upon the said axis is a disc or plate of other suitable form, which is so weighted or overbalanced that it will tend to turn so as to place a certain portion of its periphery downwards. Arranged also upon the said axis is one or a plurality of contacts adapted, when the plate is turned into its normal position under action of its weight, to bear against corresponding fixed terminals upon the framework and so close relay circuits. (Specification, 6s.)

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

No. 29267.—15th March, 1911.—ROBERT HENRY BARTLETT, of Kaponga, New Zealand, Farmer. Improvements in or relating to milking-machine teat-cups.*

Claims.—(1.) In milking machinery, a claw for holding the teat-cups and for connecting them with the milk-pipe and with the pulsator, consisting of two pipes arranged in parallel lines and having the connections from the milk-pipe and the pulsator leading respectively into them at points between their ends, and each having branches for connection with the teat-cups arranged on opposite sides of such connections and at equal distances therefrom, substantially as and for the purposes specified. (2.) In milking machinery, the combination with a teat-cup, of a mouthpiece formed by a length of flexible rubber tubing doubled over and arranged upon the teat-cup by having its loose ends passed down over the top end of the cup, substantially as specified. (Specification, 4s. 3d.)

[NOTE.—Here follow two other claims.]

No. 29327.—27th March, 1911.—ALBERT JOHN HAINSworth, of Wellington, New Zealand, Electrical Engineer. Improvements in and relating to electrical heaters.*

Claim.—(1.) In electrical heaters, the employment of a hollow cylindrical insulating-core of burnt clay having a helical groove upon its periphery to receive the electrical wire and terminals, at each end to which the ends of said wire are secured, substantially as specified, and illustrated in the drawing. (Specification, 2s. 9d.)

[NOTE.—Here follow two other claims.]

No. 29343.—29th March, 1911.—THOMAS MCGANN, of Mortlake, Victoria, Australia, Manager Butter-factory, and ROBERT GEORGE PITTS, of Mortlake aforesaid, Blacksmith. Improvements in window anti-rattling fastening-means.*

Claims.—(1.) In a device of the class indicated, a base plate, a spring thereon with projections from its upper part, and a slotted lever movable on a post on the base plate, the spring and lever being locatable as described. (2.) The combination of parts substantially as illustrated in Fig. 1, with or without a cord T, as described. (3.) In a device of the class indicated, the combination with a window-frame of the fastening-means illustrated in Fig. 2, substantially as described. (Specification, 3s. 6d.)

No. 29349.—30th March, 1911.—HENRY WILLIAM YEOMAN, of 1 Bolton Street, Petone, New Zealand, Clerk. Improvements in step-ladders.*

Extract from Specification.—The back strut is formed in two parts or frames, an inner frame being hinged to the top of the ladder and pivoted at the bottom to the outer frame. The upper end of the outer frame is bevelled and slidable in a corresponding groove across the ladder. The pivot is provided with a spring sufficient to set the top of the outer frame free in its groove while the ladder adjusts itself to an uneven surface. (Specification, 2s. 9d.)

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

No. 29372.—5th April, 1911.—DOUGLAS JAMES HAWKES, of 86 Kilmore Street, Christchurch, New Zealand. Combined door stop and holder.*

Claims.—(1.) The door stop and holder with knob and rubber ring or other resilient substance, substantially as and for the purpose described. (2.) The door stop and holder as described and explained, as illustrated in the drawing, and for the purpose set forth. (Specification, 1s.)

No. 29385.—10th April, 1911.—JAMES RYLAND CRUICKSHANK, of New Plymouth, New Zealand, Produce Broker. An improved construction of receptacle for the transport of butter and like goods.*

Extracts from Specification.—According to this invention, the body 1 of the receptacle is formed of a sheet or sheets of compressed fibre, strawboard paper, or like material, rendered non-porous, which are strengthened by metal reinforcements, such as strips 2 or bands 3 of metal. . . . The ends 5, 6—that is, top and bottom of the receptacle—are made of similar material and provided with flanges 7, 8 which overlap the ends of the body and are secured in position by fastenings, such as screws 9 passed through the flanges into the metal reinforcements of the body. (Specification, 4s. 3d.)

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

No. 29388.—11th April, 1911.—UNITED SHOE MACHINERY COMPANY, of Paterson, in the State of New Jersey, United States of America, a corporation duly organized under the laws of said State of New Jersey, carrying on business as Shoe-machinery Manufacturers, and having a place of business at 205 Lincoln Street, Boston, in the Commonwealth of Massachusetts, in said United States of America (assignees of Orrell Ashton, of Swampscott, Massachusetts aforesaid, Machinist). Improvements in or relating to machines for use in the manufacture of boots and shoes.*

Claims.—(1.) An organized machine for step-by-step lasting having, in combination, a single gripper arranged to extend transversely across a shoe-bottom to engage an upper on the side of the shoe more remote from the machine, and operating-mechanism to move the gripper inwardly for pulling the upper towards the machine. . . . (3.) A machine for use in the manufacture of boots and shoes having, in combination, a tacker, a gripper, and operating-mechanism therefor, said machine being organized to permit the gripper to transfer the shoe into tack-receiving position and then to pull the upper into position to be fastened by the tacker. (Specification, £1 10s.)

[NOTE.—Here follow twenty-four other claims.]

No. 29415.—20th April, 1911.—UNITED SHOE MACHINERY COMPANY, of Paterson, in the State of New Jersey, United States of America, a corporation duly organized under the laws of said State of New Jersey, carrying on business as Shoe-machinery Manufacturers, and having a place of business at 205 Lincoln Street, Boston, in the Commonwealth of Massachusetts, in said United States of America (assignees of Ronald Francis McFeely, of Beverly, Essex, Massachusetts aforesaid, Inventor). Improvements in or relating to machines for removing surplus material from stock.*

Claim.—(1.) For a machine for use in the manufacture of boots and shoes for removing surplus material from stock, the combination with a shell having abrading projections and adjacent perforations, of means for propelling a current of air through the shell for the purpose of removing waste material from the said perforations and from the shell. (Specification, 17s. 6d.)

[NOTE.—Here follow nine other claims.]

No. 29449.—27th April, 1911.—UNITED SHOE MACHINERY COMPANY, of Paterson, in the State of New Jersey, United States of America, a corporation duly organized under the laws of said State of New Jersey, carrying on business as Shoe-machinery Manufacturers, and having a place of business at 205 Lincoln Street, Boston, in the Commonwealth of Massachusetts, in said United States of America (assignees of Thomas Lund, of Beverly, Essex, Massachusetts aforesaid, Foreman). Improvements in or relating to the manufacture of boots and shoes.*

Claims.—(1.) A die of the class described, provided with a peripherally continuous cutting-edge, and cutting-portions extending at an angle to said edge. . . . (8.) In the manufacture of boots and shoes, the method which consists in dying out a blank and simultaneously snipping an edge thereof, skiving the snipped edge and folding said edge back upon the blank. (Specification, 9s. 6d.)

[NOTE.—Here follow six other claims.]

No. 29467.—1st May, 1911.—GEORGE ALLAN CLARK, of Cambridge, New Zealand, Commercial Traveller. Improved means for use in mixing manure.*

Claims.—(1.) Means for use in mixing manure, consisting of a receptacle to receive the ingredients having slot openings in the bottom thereof, angular ridges arranged in the bottom of the receptacle with their surfaces inclining upwards and outwards from the slot openings, wedge-shaped blocks fitting into the top of the slot openings, and means for alternately raising and lowering such blocks, substantially as and for the purposes specified. (2.) Means for use in mixing manure, consisting of a receptacle, to receive the ingredients, having slot openings in the bottom thereof, angular ridges arranged in such receptacle and having inclined sides extending to the edges of the slots, wedge-shaped blocks fitting in such slots, means for alternately raising and lowering the blocks, and angular ridges arranged within the receptacle and extending at right angles across the lower ridges, substantially as specified. (3.) In the means for use in mixing manure described in claims 1 and 2, frames to which the wedge-shaped blocks are attached, and eccentrics on which the frames are suspended, and a shaft upon which the eccentrics are mounted, substantially as and for the purposes specified. (4.) In means for use in mixing manure, the combination with the means described in claims 1 and 2, of a screen on to which the manure is fed, an inclined shaking table or chute beneath the screen, and a bagging-chute into which the lower end of such shaking table or chute fits, substantially as specified. (5.) In the means for use in mixing manure described, the employment of a cylindrical rotating screen made of increasing diameter towards its delivery-end, substantially as and for the purposes specified. (6.) In means for use in mixing manure, the combination with the bagging-chute, of a pipe leading from the side thereof, and a dust-box into which such pipe enters, substantially as and for the purposes specified. (7.) The general arrangement, construction, and combination of parts in my improved means for use in mixing manure substantially as described and explained, as illustrated in the drawings, and for the several purposes set forth. (Specification, 7s.)

No. 29598.—22nd May, 1911.—ANDREW CHARLES POCOCK, of Hamilton, New Zealand, Agent. Improved milk-releaser.*

Extract from Specification.—This object is effected by providing, at the bottom of the milk-can or receptacle, a valve-box having a number of ports in its upper and lower faces, which ports are caused to alternately correspond with ports formed in the bottom of the can, and ports in a lower plate situated below the valve-box, and which will allow the milk to escape from the can without admitting air. (Specification, 3s. 3d.)

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

No. 30086. — 25th August, 1911. — DAVID MCCRACKEN GILLIES, of Wellington, New Zealand, Chief Engineer, R.M.S. "Maitai." Improved packing-rings.*

Extract from Specification.—I employ one or a plurality of rings which in section have bevel faces and resemble a hollow truncated cone, fitting loosely upon the rod to be packed and axial therewith. Packing-material of any usual kind is placed between the rings. (Specification, 2s. 3d.)

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

No. 30099.—26th August, 1911.—SIDNEY GEORGE SMITH, of Oxford, Canterbury, New Zealand, Builder. An improved acetylene-generator.*

Claim.—(1.) In acetylene-generators, the combination with a gas-holder, of a water-tank having a carbide-chamber therein, a trapped pipe extending from the inside of the tank into the carbide-chamber, a gravity valve controlling the inlet into such pipe, a lever pivoted on the water-tank and connected at one end with the gravity valve, and a rod depending from the bell of the gas-holder and overlying the other end of the lever, substantially as specified. (Specification, 3s. 6d.)

[NOTE.—Here follow two other claims.]

No. 30121.—6th September, 1910.†—JAMES JOSEPH SMITH, a citizen of the United States, residing at 988 Ogden Avenue, New York, United States of America, Contractor. Improvements in stone-cutting saws.

Claim.—(1.) A stone-sawing mechanism wherein a rotary cutting-blade is mounted in a magnetic field and forms at its periphery one pole of a magnet, and wherein a pole, or a series of pole-pieces, of the opposite sign are mounted in proximity to the cutting-edge of said blade, whereby magnetic abrasive particles fed to the saw will be held to the cutting-edge thereof as it travels through the stone. (Specification, 5s. 6d.)

[NOTE.—Here follow three other claims.]

No. 30399. — 24th October, 1911. — PAUL CONSTANTINE WOLF, of Rarotonga, Cook Islands, Gaoler. A flower-pot for transplanting purposes.

Extract from Specification.—A container or receptacle for plants constructed from suitable material, adapted to fertilize the earth surrounding the roots of the plants, and to provide a receptacle for plants which will decompose in the earth wherein the plant is transplanted. (Specification, 3s.)

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

No. 30491.—3rd January, 1911.†—JOHN BURGESS, of 21 Kings Hall Road, Beckenham, Kent, England, Gentleman. An improved device for use with pails, baths, and other liquid-containing vessels.

Extract from Specification.—According to the present invention, the device comprises a body-portion, which forms, in conjunction with the wall of the pail or other vessel, a pocket or receptacle, and a lip the ends of which are secured to or integral with the body-portion whilst the middle part lies against the wall upon the opposite side to that on which the body-portion is situated. (Specification, 5s.)

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

No. 30493.—10th November, 1911.—COPEMAN ELECTRIC STOVE COMPANY, a corporation duly organized and existing under and by virtue of the laws of the State of Michigan, and having its principal offices and place of business located at the City of Flint, County of Genesee, in said State, one of the United States of America, Manufacturers (assignees of Lloyd Groff Copeman, President of the aforesaid company). Improvements in electric stoves.

Claims. — (1.) The combination with a heat-insulated chamber, a heating-unit normally positioned within the lower portion of the chamber, the interior of said chamber and said unit being provided with interengaging portions to permit said unit to be supported in various positions of adjustment in said chamber. . . . (10.) The combination with an electric-cooking apparatus, of a controlling-switch therefor, and mechanism for closing said switch at a predetermined time. . . . (26.) The combination with a closed oven chamber, of a flat electric heater arranged at the bottom thereof, a flat shield above said heater and spaced therefrom, having its edges spaced from the side walls of the oven, for the purpose described. (Specification, 15s. 6d.)

[NOTE.—Here follow three other claims.]

No. 30500.—8th December, 1910.†—HENRY EZEKIEL IRELAND, Vigneron, and FREDERICK CHRISTIAN WERNER KUSCHERT, Vigneron's Manager, both of Wahgunyah, Victoria, Australia. Improvements in wire-strainers and pulling-devices.

Extract from Specification.—The improvements consist in the employment of rotatable adjustable eccentrically mounted discs, each constituting one jaw of each gripper, and which may be turned when worn so as to present a fresh gripping-surface to the wire, and, in addition, may be partially rotated by one hand to open the jaws. Adjustment is also provided for the forked spring members by providing a series of holes in the gripper-arm into either of which one end of the spring may be inserted so as to adjust the tension of said spring members. A further improvement consists in the provision on each disc of a stop adapted to limit the extent to which the grippers may be opened. (Specification, 5s.)

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

No. 30542.—21st November, 1911.—WILLIAM EBENEZER SHOOBRIDGE, of Bushy Park, Tasmania, Australia, Orchardist and Hop-grower. Improvements in the drying of hops and fruit and ozonizing the same.

Extract from Specification.—Placing the hops or fruit upon a series of perforated trays (preferably of wire netting) connected to endless chains or belts whereby the said trays form travelling floors arranged one above the other, with means for directing currents of heated or dry air through and about the said trays for drying the hops or fruit thereon. (Specification, 3s.)

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

No. 30547. — 21st November, 1910.† — ARTHUR HARRY WRIGHT, of Carlton-Gore Road, Auckland, New Zealand, Commercial Traveller. Improvements in automatically recording postal stamping and other recording machines.

Claims.—(1.) In machines of the class described for automatically registering aggregate values, the combination with discs having numerals representing shillings, pence, and halfpence cut thereon, of mechanism to operate said discs, substantially as described and as illustrated. (2.) In recording-machines of the class described for credit and prepayment systems, discs operated by mechanism as described, and as illustrated in the drawings. (3.) In machines of the class described, pawl-checks permitting movement of the discs in one direction only. (4.) In machines of the class described, automatic locking-device preventing any further markings than the predetermined values. (5.) The general combination and arrangement of parts forming my improvements in automatically recording postal stamping and other recording machines, substantially as described and as illustrated. (Specification, 3s. 6d.)

No. 30562. — 27th November, 1911. — CHARLES COOPER, of Mangatoki, Taranaki, New Zealand, Factory-manager. An improved adjustable pipe-wrench.

Extract from Specification. — A shank has an integrally formed lower jaw, and a socket slidable on the shank has a pivoted upper jaw, which is maintained in operative position by a spring. The edge of the shank has a series of teeth shaped after the manner of a saw, the rearward edge being at right angles to the shank. The teeth of the shank are engaged by teeth projecting from a block fixed within the socket. The socket has a projecting thumb-pressure piece, and a recess which receives a bow spring, the ends of which rest upon the edge of the shank, the spring being secured to the socket by a rivet. (Specification, 4s. 9d.)

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

No. 30624. — 12th December, 1911. — JOHN LLEWELLYN DAVIES, of Christchurch, in the Dominion of New Zealand, Mechanical and Electrical Engineer. Improved standard and bracket for displaying goods in shop-windows and the like.

Extract from Specification.—According to the present invention, the inner vertical edge of the bracket is designed to form a long abutment with the forward edge of the standard, and a forked or bifurcated projection adapted to embrace the two sides of the standard is formed upon the bracket near the upper surface thereof, the securing being effected by means of a pin or screw passing through the two cheeks of such projection and the standard. (Specification, 3s. 6d.)

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

No. 30633.—13th December, 1911.—THOMAS MCCORMACK, of Dunedin, in the Dominion of New Zealand, Ironfounder, &c. Improved fire-door for ranges and the like.

Extract from Specification.—A fire-door, or either or both of the two usual doors that are in front of range-fires, with special lugs, and between these all along the lower edge of the door with a projecting apron or hood that covers the usual bell-mouthed opening that is usually under these doors. (Specification, 2s.)

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

No. 30657.—22nd December, 1911.—HOWARD BUTTERS, of Tudor House, West Overcliff Drive, Bournemouth, England, Mechanical Engineer. An improved fencing-dropper.

Claims.—(1.) A fencing-dropper consisting of a galvanized thin resilient steel strip having holes through which staples are passed and clinched, the said staples being arranged zigzag upon the fencing-wires, as set forth. (2.) A resilient fencing-dropper which recovers its original shape, when free to do so, after being bent, as set forth.

(Specification, 2s. 3d.)

No. 30681.—3rd January, 1912.—HENRY COOCH, of Commercial Street, Northampton, England, Engineer. An improved separator machine or sorter for potatoes, roots, fruit, and the like.

Claim.—(1.) A separator machine or sorter for potatoes, roots, fruit, and similar globular-shaped produce, consisting of the combination of a suitable supporting frame, a riddle-frame movably suspended thereon, an upper riddle in said riddle-frame, an under riddle, and a lower compartment below said under riddle, separate delivery-outlets for the under riddle and for the lower compartment, mechanism such as chain and sprocket gear operable by a handle and connected with a shaft, crank, and connecting-rod attached to the said suspended riddle-frame for actuating same, an inspection and conveyor platform connected to and leading from the riddle-frame and actuated by gearing from the crank-shaft, as described. (Specification, 6s.)

[NOTE.—Here follow two other claims.]

No. 30683.—3rd January, 1912.—CHARLES ANSTRUTHER GORDON, of the Criterion Hotel, George Street, Brisbane, State of Queensland, Australia, General Agent. Improvements in regulating and measuring taps.

Extract from Specification.—I provide in a barrel or plug two measuring chambers or compartments, each provided with a port. The said plug is rotated within a shell having openings leading to a reservoir and discharge receptacle respectively, said openings registering with a port on every half-revolution of the plug so that when one compartment is filling the other is discharging. (Specification, 3s. 3d.)

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

No. 30689.—30th January, 1911.†—HORACE KEEBLE, of Wareham Hall, Stoke Ferry, in the County of Norfolk, England, Gentleman. Improved treatment of ironsands or other finely divided material.

Extract from Specification.—According to the present invention, there is employed an agglomerating agent of the kind referred to that comprises a finely divided carbon and hydrocarbon composition obtained by so carbonizing organic matter, as peat, together with liquid, either separately supplied or yielded by the substance itself.

(Specification, 3s. 6d.)

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

No. 30691. — 4th January, 1912. — BLAUGAS' PATENT-GESELLSCHAFT, m.b.H., of Augsburg, Germany, Manufacturing Company (assignees of Hermann Blau, Chemist, of Augsburg, Rothenhauerstrasse 2, Germany). Improvements in or relating to the manufacture and treatment of distillation-products for illuminating purposes.

Claims.—(1.) A process for the manufacture and treatment of distillation-products for illuminating purposes, characterized by the fact that the distillation-gases are produced at relatively low retort-temperatures and are then compressed to a high pressure, the gaseous constituents thereby separated out in liquid form being stored under the high pressure, whilst the unliquefied constituents of the gas are previously removed and otherwise utilized, substantially as and for the purpose specified. (2.) A process of manufacture of the kind set forth in which the multi-stage compression of the distillation-gases is interrupted at one of the earlier pressure-stages in order that the benzene-like bodies may be separated out and removed at this pressure-stage, whereupon the compression of the gas is continued to a high pressure, substantially as and for the purpose specified. (3.) A process of manufacture of the kind set forth in which the temperature at which the distillation-gases are produced is 600° C., or less, and the pressure to which they are compressed for storage and transport purposes is about one hundred atmospheres, substantially as and for the purpose specified. (4.) The process of manufacture and treatment of distillation-products of liquid form suitable on vaporization for illuminating purposes, substantially as described and for the purposes specified.

(Specification, 5s.)

No. 30692.—4th January, 1912.—ALBERT ALONZO PAULY, of 935 Poland Avenue, Youngstown, County of Mahoning, Ohio, United States of America, Engineer. Improvements in moulding-apparatus.

Claim.—(1.) In a moulding-apparatus, a mould-body having mould-spaces with open lower ends, a pallet to close the bottom of the mould-spaces, a support for the pallet, means for giving a yielding upward tendency to the pallet, and an ejector to push the moulded article downwardly through the mould-body. (Specification, 11s. 6d.)

[NOTE.—Here follow six other claims.]

No. 30695.—11th February, 1911.†—ELIZABETH MILTON SWANSON, of 352 Collins Street, Melbourne, Australia, Married Woman. An improved device for brushing and polishing boots or shoes, harness, or metal articles.

Claim.—(1.) In a device for brushing and polishing boots or shoes, harness, or metal articles, the combination with the flanged holder, of two hinged side flaps provided with detachable polishing-pads and adapted to be turned up and gripped for brushing-purposes, or turned down for the pads to meet together for the operation of polishing, as also to permit of a slidable sheath being slid over or upon same for covering the pads and closing up the ends of device when not required for use, as described, and as illustrated in my drawings.

(Specification, 6s. 6d.)

[NOTE.—Here follow three other claims.]

No. 30701.—9th January, 1912.—JOHN LYSAGHT, LIMITED, St. Vincents Ironworks, Bristol, England, Ironmasters and Galvanized-iron Manufacturers (assignees of Henry William Foan, of 171 Avondale Road, Bristol, England, Engineer). Improvements in wire-netting machines.

Extract from Specification. — According to this invention, there is provided between the usual draw-off roller and the slide-bars containing the split pinions through which the wires are drawn a roller having upon it longitudinal projections or strips, which are transversely slotted at suitable intervals according to the mesh of the netting to be woven. The roller is continuously rotated by suitable gearing so that the transverse slots may receive the wires as the twists are being formed and may hold the twists while the sliding or parting of the wires takes place, thus ensuring uniformity of mesh and straightness of the twisted parts.

(Specification, 1s. 9d.)

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

No. 30702.—9th January, 1912.—RICHARD ALBERT CANFIELD, of 66 Burnett Street, Providence, Rhode Island, United States of America, Capitalist (assignee of Harry Melville Brown, of 79 Washington Street, Brooklyn, New York, United States of America). Improvements in stoppers.

Claims.—(1.) A stopper of the character described having its locking-ring provided with an upstanding locking-flange which is relieved at the corner of its attached end, for the purpose set forth. (2.) A stopper of the character set forth in which the locking-flange of the locking-ring is depressed at its upper edge at its junction with the web connecting it to the cap, substantially as shown and described.

(Specification, 4s.)

No. 30708.—4th October, 1911.†—ISAAC HENRY STOREY, Manufacturer, of White Cross Mills, and WILLIAM EDWARD MCCALLA, Manager of Queens Mill, both of Lancaster, England; and ARTHUR GRIFFITHS, Accountant, of Burton Grange, Burbage Road, Herne Hill, London, England. Improvements in and relating to facing-plates for attaching to the surface of walls and the like.

Claim.—(1.) A plate for attaching to the surface of walls or the like having one or more of its edges turned over substantially at right angles to the remainder of the plate, one or more of the edges so turned over then extending outwardly in a direction substantially parallel to the plate.

(Specification, 5s. 3d.)

[NOTE.—Here follow four other claims.]

No. 30710.—10th January, 1912.—WALTER LEITCH, of 413 Collins Street, Melbourne, Victoria, Australia, Manager. Improvements in bakers' ovens.

Extract from Specification.—An oven which comprises three chambers, the lower one of which is the heating or hot-air chamber, being in communication with the furnace or fire-box; the upper one being a collecting-chamber in communication with the duct or chimney; the middle one being the baking-chamber having a stationary sole or floor upon which the goods to be baked are placed, and provided with

a series of U-shaped heat-circulating pipes or tubes, each of which has one end connected to a flue from the hot-air chamber below, and the other end to a flue leading to the collecting-chamber above. (Specification, 5s. 6d.)

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

No. 30711. — 10th January, 1912. — CHARLES DUGALD KENNEDY, of Napier, New Zealand, Solicitor (nominee of Herbert Alexander Wanklyn, of 17 Manchester Avenue, London, England, Merchant). Improvements in puncture-sealing material, and in methods of inserting the same into pneumatic tires or tubes.

Claims.—(1.) A puncture-sealing material for pneumatic tires or tubes consisting of comminuted or powdered rubber inserted in either a dry or liquid form. (2.) A puncture-sealing material for pneumatic tires or tubes consisting of comminuted or powdered rubber mixed with the usual powder employed for this purpose and inserted in either dry or liquid form. (Specification, 3s.)

[NOTE.—Here follow two other claims.]

No. 30713.—10th January, 1912.—FREDERICK WATSON WIGMORE, of 12 Smart Street, Hawthorn, Melbourne, Victoria, Australia, Clerk. Improvements in candlesticks and candleholders.

Claims.—(1.) An oblong base with a tapering tail, two longitudinal converging slits and one small transverse slit cut in the said base, a flat oblong locking-collar, a flanged open-ended cylinder, all arranged substantially as described, with reference to the drawings. (2.) A device having its parts constructed, arranged, and adapted to act substantially as described, and as illustrated in the drawings, for the purpose specified. (Specification, 1s. 9d.)

No. 30716.—11th January, 1912.—AXEL SABROE, Director of Brick Works, of 12 Grossestrasse, Hadersleben, in the Prussian Province of Schleswigholstein. Improvements relating to milking-machines.

Claim.—(1.) In a milking-machine worked by suction, thereby characterized that, in the contrivance by which the suction exercised on the teat-cup is interrupted when the flow of milk to a vessel has ceased by means of atmospherical pressure, the closing-off organ dividing the chamber in which it moves into two divisions which are both connected with the suction-passage. (Specification, 3s.)

[NOTE.—Here follow four other claims.]

No. 30724. — 10th January, 1912. — HARRY RYLANCHE HAIGH, of Darley Dene, Derwent Park, Derby, England, Engineer. Improvements in or relating to valves used in connection with train-lighting systems.

Claim.—(1.) A valve of the kind set forth wherein the valve proper and its seating are of such a character and are so arranged that when the valve rises on to its seating any tar or foreign matter which may adhere to the valve or its seating is cut through or penetrated for the purpose specified. (Specification, 6s.)

[NOTE.—Here follow five other claims.]

No. 30729.—16th January, 1912.—HAROLD JACKSON, of the Oakenclough Paper-mills, Garstang, Lancaster, England, Paper-manufacturer. Improvements in the manufacture or preparation of pulp for paper-making and in apparatus therefor.

Extract from Specification. — Consists in the process or method of treating fibres for the preparation of paper-pulp by subjecting the wet fibres, or fibres suspended in water, to a gentle hammering or tapping action, and of a machine constructed with a rotor fitted with a number of flexible beaters rotating within a suitable casing, the surface of the casing being formed with ribs, corrugations, or other rough surfaces, against which the beaters successively come into contact with a gentle hammering or tapping action as the rotor revolves within the casing. (Specification, 5s.)

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

No. 30730.—20th January, 1911.†—HERBERT WILLIAM WAINWRIGHT, of 55 Highbury Gardens, Seven Kings, Essex, England, Engineer. A mode of securing a thin foraminous and flexible diaphragm within a relatively rigid tube, and means therefor, applicable to the manufacture of cigarette-mouthpieces.

Extract from Specification.—The diaphragm is frictionally secured in position by a flanged or deformed portion thereof being gripped between the inner surface of the tube and a preferably flat clamping-ring. The diaphragm for this purpose is of a larger diameter than the tube and is pressed within the tube with the aid of the clamping-device so that it has its outer edge deformed and pressed tightly against the wall of the tube by said clamping-device.

(Specification, 5s. 6d.)

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

No. 30731.—16th January, 1912.—AXEL JULIUS LAURITS LASSEN, of 5 Aaboulevard, Frederiksberg, Copenhagen, Denmark, Machine-manufacturer. Improvements in bottle-closures.

Claim.—Bottle-closure comprising a metallic capsule pressed into recesses in the bottle head or neck, characterized thereby that the said recesses into which the capsules are pressed consist of two or more separate annular grooves.

(Specification, 1s. 9d.)

No. 30737.—16th January, 1912.—CHRISTOPHER JAMES CRAIG, Machinist, and HERBERT ANLEY CRAIG, Machinist, both of Gisborne, New Zealand. An improved elbow-joint for shearing-machines.

Extract from Specification.—According to our invention, we use the sockets having the projecting lugs usually employed. Instead, however, of screwing the pivot-pins into the inner lugs as is usually the case, I use independent trunnion-pins, the heads of which are carried in the outer lugs and kept in position by keeper-screws. (Specification, 1s. 9d.)

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

No. 30738. — 17th January, 1912. — EUGENE ANTON SCHWARZ, of Palmerston North, Motor Expert, and WILLIAM CARRICK WEDDERSPOON, of North Terrace, Kelburne, Wellington, Electrician, both of New Zealand. Improved extensible bracket for supporting electric-light burners, mirrors, and the like.

Extract from Specification.—The invention comprises a series of members pivotally connected together so as to be extensible upon the lazy-tongs principle.

(Specification, 3s. 6d.)

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

No. 30739. — 17th January, 1912. — LESLIE SYLVESTER HACKNEY, of 1619 Wesley Avenue, Saint Paul, Minnesota, United States of America, Manufacturer. Improvements in motor-ploughs.

Claims.—(1.) In a device of the class described, the combination of a frame having supporting wheels, a draw-bar carried by said frame, brackets on said draw-bar, plough-beams slidably mounted at their forward ends in said brackets and capable of vertical movement therein, plough-blades on said beams, and means for simultaneously adjusting said beams in said brackets and for detaching the same therefrom. . . . (7.) In a device of the class described, the combination of a frame having supporting wheels, a motor on the frame, a draw-bar carried by said frame, plough-beams connected to said draw-bar, ploughs on said beams, means for adjusting said beams simultaneously on said bar, means for raising the plough-blades by power and securing the same in an elevated position, and means for releasing said plough-blades and regulating the speed of their fall.

(Specification, 14s.)

[NOTE.—Here follow seventeen other claims.]

No. 30740. — 17th January, 1912. — LESLIE SYLVESTER HACKNEY, of 1619 Wesley Avenue, Saint Paul, Minnesota, United States of America, Manufacturer. Improvements in steering-devices for traction-vehicles.

Claim. — (1.) The combination with a traction-vehicle having a rear steering-wheel, of a pilot-frame tiltably mounted on the frame of said traction-vehicle, a pilot-wheel on said pilot-frame arranged to travel in a previously formed furrow, and connecting-means between the pilot-wheel and steering-wheel for synchronizing the movements of said wheels.

(Specification, 6s. 6d.)

[NOTE.—Here follow nine other claims.]

No. 30742.—16th January, 1912.—WILHELM BARTHOLDT DIDRICK PONNINGHAUS, of 132 Toorak Road, South Yarra, Victoria, Australia, Manufacturer. Improvements relating to hot-water shower-baths and the like.

Claims.—(1.) Improvements relating to hot-water shower-baths and the like, consisting of a shell having an inlet end and an outlet end, a branch between said ends, and a hollow cone projecting from the inlet end towards the outlet end, said hollow cone bedding in said shell and secured therein by solder. . . . (3.) In improvements relating to hot-water shower-baths and the like, a shell having therein a cone-bed, an outlet end to said shell having an outwardly diverging

inner surface, a branch between the inner and outer ends, an accumulating-chamber at the junction of the inner and outer ends and the branch, and a hollow cone within the inlet end and projecting through the chamber towards the outlet end. (Specification, 6s. 6d.)

[NOTE.—Here follow six other claims.]

No. 30743.—18th January, 1912.—EDWARD JAMES BURNS, of 3911 Sheridan Road, Chicago, Illinois, United States of America. An improved gas-regulator.

Claim.—(1.) The combination of a casing having threaded apertures at its upper and lower ends, a tube upstanding within said casing and having its lower end secured to span the lower end of the said casing, said tube being provided with vertical series of openings, and a regulating-member vertically slidable within said tube. (Specification, 5s. 6d.)

[NOTE.—Here follow two other claims.]

No. 30744.—18th January, 1912.—GEORGE SOUTHEE, of the Upper Hutt, near Wellington, New Zealand, Bushman; FREDERICK STANDISH and MICHAEL MORAN, of the Upper Hutt aforesaid, Sawmillers. The destruction of blight in potatoes, tomatoes, and other plants and trees.

Claim.—The combination of the ingredients mentioned in the description in the proportions mentioned, substantially as described. (Specification, 1s.)

Copies of drawings may be obtained at the uniform price of 1s. each. In exceptional cases this price may be increased at the discretion of the Office.

An asterisk (*) denotes the complete specification of an invention for which a provisional specification has been already lodged. A dagger (†) denotes a prior date upon the International and Intercolonial Arrangements.

NOTE.—The cost of copying the specification 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 the *Gazette*.

J. C. LEWIS,
Registrar.

Provisional Specifications accepted.

Patent Office,
Wellington, 15th February, 1912.

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

No. 30694.—G. G. Holmes, fly-exterminator.
No. 30709.—C. W. Aston, railway-signal.
No. 30717.—J. Maitland, fencing standard and dropper.
No. 30723.—R. Wylie, safety hatpin.
No. 30734.—J. B. Salmon and E. W. Roy, driving-belt.
No. 30736.—H. H. Edwards, rabbit-trap.
No. 30749.—A. J. W. Munden, telephone-list control.
No. 30773.—J. F. Devonport, wash-tub attachment.
No. 30775.—W. E. Hunter, hatpin safety ornament.
No. 30776.—C. W. Wilkinson, collar and hames.
No. 30778.—H. Ogden, wool-press.
No. 30784.—H. Ashworth, tram-car-destination indicator.
No. 30786.—S. I. Crookes, charcoal-manufacture. (F. H. Fraser.)
No. 30793.—E. J. Roberts, lithographic-printing press.
No. 30794.—H. G. Bedell, sewing-machine.
No. 30795.—T. Shearer, teat-cup.
No. 30796.—W. J. Paterson, milk-releaser.
No. 30803.—R. T. Kessell, gas-meter regulator.
No. 30806.—J. W. Shephard and F. A. Jones, tap.
No. 30807.—F. Creighton, kiln. (F. Cotton.)
No. 30810.—A. J. W. Munden and J. M. Muir, electrical announcer.
No. 30811.—E. Hodge, planing-machine cutter.
No. 30815.—J. Jonson, J. W. McMillan, J. W. Fredric. Tool-handle securing.
No. 30814.—A Burges, harrow.
No. 30815.—J. Warburton, human-flight equipment.
No. 30817.—J. Dougan, blind ventilating frieze.
No. 30825.—M. U. Dennison, dress-shield.
No. 30826.—D. Jones, boiler-furnace.
No. 30831.—J. W. Shephard and F. A. Jones, tap.
No. 30839.—E. Fergusson, pasteurizer.
No. 30842.—D. Baldwin, hatpin-point protector.

[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.]

Letters Patent sealed.

LIST of Letters Patent sealed from the 31st January to the 3rd February, 1912, inclusive:—

No. 27889.—E. Woodward, propeller.
No. 28514.—J. W. Bates, evaporator, &c.
No. 28591.—C. T. Swanell, briquette-binding composition.
No. 28594.—A. T. Crosher, electric-wire connection to lamp.
No. 28608.—F. J. Shelton, acetylene-generator.
No. 28615.—J. Stanford, roofing-tile.
No. 28619.—F. Andrews, hat-fastener.
No. 28717.—R. Paladini, blind-cord holder.
No. 28734.—F. Roberts, railway-tablet bracket.
No. 28780.—F. M. Field and D. A. Skene, railway-train stop.
No. 28796.—W. Reeves, swingletree.
No. 28810.—J. House, timber-seasoning.
No. 28984.—W. R. Hebblewhite, railway-coupling.
No. 29101.—B. J. Flürscheim, explosive.
No. 29131.—E. G. Godfree, water-sprinkler.
No. 29260.—A. M. McIntosh, aeroplane.
No. 29900.—J. L. and G. Scott, gas-producer.
No. 29901.—J. S. Tonkin, kettle, urn, &c.
No. 30021.—F. Jensen, ship-propulsion.
No. 30031.—British Drug Houses, Limited, suppository. (H. Brown.)
No. 30041.—American Graphaphone Company, sound-record. (V. H. Emerson.)
No. 30055.—R. J. Redick, waterproofing buildings.
No. 30082.—A. S. Reid, milking-apparatus.
No. 30124.—A. F. Bronner and A. A. Quick, speed-gear.
No. 30125.—T. Grace and J. O'Reilly, vehicle-wheel.
No. 30126.—E. Schultz, milking-machine. (A. J. Capp.)
No. 30137.—Vibrocel Company, Limited, concrete-wall construction. (F. G. Lynde and E. R. Calthrop.)
No. 30204.—M. F., G. F., and W. F. Loundar, shelf-bracket.
No. 30206.—C. A. Green, electric-trolly ear.
No. 30210.—Peat Coal Investment Company, Limited, gathering and transporting peat. (T. Rigby.)

Letters Patent on which Fees have been paid.

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

SECOND-TERM FEES.

NO. 23780.—Seay International Ice and Refrigeration Company, ice-making. (W. W. Seay.) 8th February, 1912.
No. 23967.—C. H. Westneat, indicating rise in temperature. 3rd February, 1912.
No. 24012.—E. Clemens Horst Company, hop picker and separator. (E. C. Horst.) 12th February, 1912.
No. 24048.—V. S. Aston, hemp-production. 6th February, 1912.
No. 24138.—Telegraphone Corporation, telegraphonic apparatus. (E. A. Hytten.) 14th February, 1912.
No. 25546.—A. A. Lockwood and M. R. A. Samuel, ore-treatment. 13th February, 1912.

THIRD-TERM FEES.

No. 18688.—A. J. F. de Bavay, ore, &c., separation by flotation. 3rd February, 1912.
No. 19176.—Trufood Limited, milk desiccation and preservation. (P. Bévenot and E. de Neveu.) 13th February, 1912.
No. 19337.—C. W. Merrill, pressure-filter. 8th February, 1912.

Subsequent Proprietors of Letters Patent registered.

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

NO. 27762.—Percy Alexander McHardy, of Palmerston North, New Zealand, Sheep-farmer; James Groves Speedy, of Aramoana, Hawke's Bay, New Zealand, Station Manager; and George Edward Cluett, of Stratford, Taranaki, New Zealand, Storekeeper. Fencing-dropper. (G. E. Cluett.) 15th February, 1912.

Applications for Letters Patent abandoned.

LIST of applications, with which provisional specifications only have been filed, abandoned (*i.e.*, complete specifications not lodged) from the 2nd to the 15th February, 1912, inclusive:—

No. 29359.—T. W. Potts, trolly-pole connection.
No. 29361.—F. Gough, medicine.
No. 29365.—W. Reeves, vehicle-wheel.
No. 29367.—E. Arnott, ceiling-cramp.
No. 29368—R. W. Davies, motor-car wheel.
No. 29371.—J. Allen, wool-dryer feeder.
No. 29375.—S. B. Marchant, ridge cap for roofs.
No. 29378.—F. R. Millar, furnace.
No. 29382.—T. S. Gurr and R. J. Hobbs, railway-signalling.
No. 29383.—C. S. Bayley, crank-extension.
No. 29384.—M. U. Dennison, dress-shield.
No. 29387.—G. R. Fulyerd, soap.
No. 29391.—L. Paget, water-heater.
No. 29397.—E. J. and D. H. Armstrong, vacuum-valve.
No. 29400.—F. Mays, ladder-bracket.
No. 29401.—M. and J. Routley, label-printing, &c., machine.
No. 29402.—E. B. Vaile, securing door-knob.
No. 29404.—W. McPherson, spark-arrester.
No. 29407.—E. C. Owens, breeching-strap.

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 2nd to the 15th February, 1912, inclusive:—

No. 28677.—T. Duckmanton, flushing-cistern.
No. 28693.—F. H. Tomlinson, weed-destroying implement.
No. 28700.—G. M. Hunter, wire-strainer.
No. 28705.—R. D. Dansey, washing-fluid. (K. W. Thompson.)

Applications for Letters Patent lapsed.

APPLICATIONS for Letters Patent lapsed, owing to Letters Patent not being sealed, from the 2nd to the 15th February, 1912, inclusive:—

No. 28189.—H. Symes, tram-car brake.
No. 28192.—W. L. Johnstone and A. Hosking, froth-liquefier.
No. 28197.—A. C. Anderson, ear-marker.
No. 28228.—W. Morton, tire.
No. 28241.—J. A. Short, skylight.
No. 28261.—W. Southwell and D. McLellan, spraying-apparatus.
No. 28262.—F. B. Clapcott, purse.

Letters Patent void.

LIST of Letters Patent void through non-payment of renewal fees, and through expiry of term of fourteen years, from the 2nd to the 15th February, 1912, inclusive:—

THROUGH NON-PAYMENT OF SECOND-TERM FEES.

No. 23683.—S. J. Phillips, cutting and cauterizing device.
No. 23684.—G. E. Dod, gas-turbine.
No. 23688.—A. Siddall, picture-support.
No. 23699.—P. Marino, rendering celluloid uninflammable.
No. 23700.—S. P. Evans, wheel-manufacture.
No. 23708.—J. Williams, propeller-shaft bearing.
No. 23711.—H. A. Nicholson, bleaching flax-fibre.
No. 23712.—C. J. Reilly, separator.
No. 23714.—United Shoe Machinery Company, abrading-device. (J. R. Scott.)
No. 23715.—United Shoe Machinery Company, burnishing-machine. (W. Jackson and H. N. Pochin.)
No. 23716.—United Shoe Machinery Company, shoe-machine jack. (J. P. Pride.)
No. 23720.—H. B. Chapman, basket-carrier.
No. 23722.—L. and D. Automatic Glass and Tumbler Washer Company, Limited, tumbler-washer. (J. Dixon and J. C. F. Lawrence.)
No. 24503.—T. M. Davies and Stepney Spare Motor-wheel, Limited, wheel.

THROUGH NON-PAYMENT OF THIRD-TERM FEES.

No. 18689.—S. W. Winslow, buffing-machine.
No. 18690.—United Shoe Machinery Company, sole-pressing machine. (E. E. Winkley.)
No. 18698.—D. W. Starrett, air-pump.
No. 18710.—New Zealand Acetylene-gas Lighting Company, Limited, acetylene-generator. (R. L. H. Murray.)

THROUGH EXPIRY OF TERM.

No. 11359.—Linotype and Machinery, Limited, electrical heating and melting. (Linotype Company, Limited—J. Place and M. Barr.)

Designs expired.

THE copyright in the following designs have expired:—

No. 313.—J. E. Williams. Class 3.
No. 314.—J. White and F. Marsh. Class 3.

Applications for Trade Marks filed.

LIST of applications for registration of Trade Marks filed from the 2nd to the 15th February, 1912, inclusive:—

No. 10213.—3rd February.—F. H. Ward, Auckland, N.Z. Class 1.
No. 10214.—7th February.—Were Bros., Christchurch, N.Z. Class 44.
No. 10215.—10th February.—American Steel and Wire Company of New Jersey, Hoboken, U.S.A. Class 5.
No. 10216.—9th February.—Frith, Son, and Co., Auckland, N.Z. Class 18.
No. 10217.—9th February.—Te Kuiti District Co-operative Dairy Company, Limited, Te Kuiti, N.Z. Class 42.
No. 10218.—9th February.—J. Nathan and Co., Limited, Wellington, N.Z. Class 42.
No. 10219.—13th February.—Sunbeam Motor Car Company, Limited, Wolverhampton, Eng. Class 22.
No. 10220.—13th February.—Universal Stenotype Company, Owensboro, U.S.A. Class 6.
No. 10221.—13th February.—N. Chambers and Co., Limited, Sheffield, Eng. Class 2.
No. 10222.—13th February.—T. A. Ashton, Limited, Sheffield, Eng. Class 25.
No. 10223.—13th February.—Alliance Tea, Coffee, and Cocoa Company, Wellington, N.Z. Class 42.
No. 10224.—13th February.—Nürnberger Metall and Lackierwaarenfabrik Vorm: Gebrüder Bing Actiengesellschaft, Nürnberg, Ger. Class 49.
No. 10225.—13th February.—Nürnberger Metall and Lackierwaarenfabrik Vorm: Gebrüder Bing Actiengesellschaft, Nürnberg, Ger. Class 13.
No. 10226.—14th February.—Baldwin's Limited, Swansea, Wales. Class 5.
10227.—15th February.—Campbell and Ehrenfried Company, Limited, Auckland, N.Z. Class 43.
No. 10228.—15th February.—John Horn (Stockport), Limited, Stockport, Eng. Class 42.

Applications for Registration of Trade Marks.

Patent Office,
Wellington, 15th February, 1912.

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: 9127.
Date: 26th October, 1910.

TRADE MARK.

NAME.

DELACOUR BROS., LIMITED, of 107 Salusbury Road, West Kilburn, London, England, Pipe-manufacturers.

No. of class: 50.
Description of goods: Tobacco-pipes, cigar and cigarette holders (not of precious metal or of imitation precious metal).

No. of application: 9824.
Date: 14th August, 1911.

TRADE MARK.

The word

ELGIN.

The applicants claim that the said trade mark has been used by them in respect of the articles mentioned for twenty-eight years past.

NAME.

ELGIN NATIONAL WATCH COMPANY, a corporation organized under the laws of the State of Illinois, of City of Elgin, County of Kane, State of Illinois, United States of America.

No. of class: 10.
Description of goods: Watches, watch-movements, and parts of each thereof.

No. of application: 10136.
Date: 21st December, 1911.

TRADE MARK.

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

NAME.

THE H. W. JOHNS-MANVILLE COMPANY, of Number 100 William Street, New York, United States of America, Manufacturers.

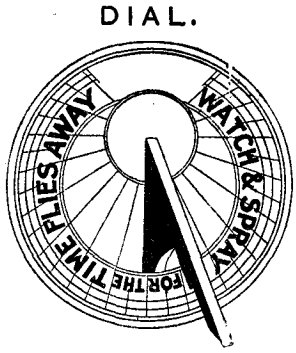
No. of class: 1.
Description of goods: Magnesia used for manufactures, asbestos prepared for preventing radiation of heat, asphaltic paints.

[NOTE.—This application is regazetted on account of a clerical error in the previous notice.]

No. of application: 10159.
Date: 10th January, 1912.

TRADE MARK.

DIAL.



The essential particulars of this trade mark are the device of a sun-dial and the word "Dial"; and any right to the exclusive use of the added matter is disclaimed.

NAME.

ARCHER AND HALLIBURTON, of 695 Colombo Street, Christchurch, in the Dominion of New Zealand.

No. of class: 2.
Description of goods: Agricultural and vermin destroyer.

No. of application: 10162.
Date: 12th January, 1912.

TRADE MARK.

NAME.

THE EDISON AND SWAN UNITED ELECTRIC LIGHT COMPANY, LIMITED, of 36 and 37 Queen Street, Cheapside, in the City of London, England, Manufacturers.

No. of class: 13.
Description of goods: Lamps, holders, switches, and appliances generally for electrical illumination included in this class.

No. of application: 10163.
Date: 12th January, 1912.

TRADE MARK.

EDISWAN

The essential particular of the trade mark is the coined or invented word "Ediswan."

NAME.

THE EDISON AND SWAN UNITED ELECTRIC LIGHT COMPANY, LIMITED, of 36 and 37 Queen Street, Cheapside, in the City of London, England, Manufacturers.

No. of class: 13.
Description of goods: Lamps, holders, switches, and appliances generally for electrical illumination included in this class.

No. of application: 10168.
Date: 15th January, 1912.

TRADE MARK.

The word

DAFFODIL.

The essential particular of this trade mark is the word "Daffodil."

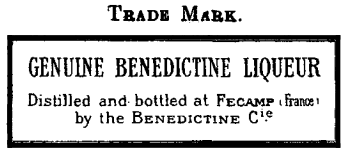
NAME.

THE SOUTHLAND SOAP, CANDLE, AND MANUFACTURING COMPANY, LIMITED, of Esk Street, Invercargill, in the Dominion of New Zealand.

No. of class: 47.
Description of goods: Household soap.

No. of application: 10176.
Date: 16th January, 1912.

TRADE MARK.



The essential particular of the trade mark is as follows—the distinctive label, which in use is generally printed in black on a buff background.

NAME.

SOCIÉTÉ ANONYME DE LA DISTILLERIE DE LA LIQUEUR BÉNÉDICTINE, of Fécamp, France, Distillers.

No. of class: 43.
Description of goods: A liqueur.

No. of application: 10189.
Date: 9th February, 1912.

TRADE MARK.

The words

WINDMILL STONE FLOUR.

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

NAME.

JOSEPH PARTINGTON, of the City of Auckland, in the Dominion of New Zealand, Manufacturer.

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

No. of application: 10192.
Date: 23rd January, 1912.

TRADE MARK.

The essential particulars of this trade mark are the device and the word "Corvusine"; and any right to the exclusive use of the added matter is disclaimed.

NAME.

ARTHUR EDMUND HAWKER, of 59 Mark Lane, London E.C., England, Merchant.

No. of class: 2.

Description of goods: A chemical substance for preserving seeds against the voracity of all kinds of birds and against diseases by parasites, not being of the nature of soap of any kind.

NOTE.—This application is regazetted on account of a clerical error in the previous notice.

No. of application: 10199.
Date: 29th January, 1912.

TRADE MARK.

The essential particular of this trade mark is the device of a crown made in white-clover flowers; and any right to the exclusive use of any added matter is disclaimed.

NAME.

LANCELOT MANKTELOW, of Newstead, in the Provincial District of Auckland and Dominion of New Zealand, Farmer.

No. of class: 42.

Description of goods: Honey.

No. of application: 10202.
Date: 31st January, 1912.

TRADE MARK.

The word

ORIENTAL.

NAME.

LOUISA DILLIMORE, of Auckland, in the Dominion of New Zealand, Domestic Duties.

No. of class: 13.

Description of goods: Hatpins.

No. of application: 10206.
Date: 1st February, 1912.

TRADE MARK.

SEMREH

The essential particular of the trade mark is the coined or invented word "Semreh."

NAME.

VISCOSE DEVELOPMENT COMPANY, LIMITED, of Mansion House Chambers, 11 Queen Victoria Street, in the City of London, England, Patentees and Manufacturers.

No. of class: 37.

Description of goods: Leather and skins, and leather- and skin-sealing devices for bottles and jars included in the class.

No. of application: 10207.
Date: 1st February, 1912.

TRADE MARK.

SEMREH

The essential particular of this trade mark is the coined or invented word "Semreh."

NAME.

VISCOSE DEVELOPMENT COMPANY, LIMITED, of Mansion House Chambers, 11 Queen Victoria Street, in the City of London, England, Patentees and Manufacturers.

No. of class: 39.

Description of goods: Paper and parchment, and paper and parchment capsules and sealing-devices for bottles and jars included in this class.

No. of application: 10208.
Date: 1st February, 1912.

TRADE MARK.

SEMREH

The essential particular of the above trade mark is the coined or invented word "Semreh."

NAME.

VISCOSE DEVELOPMENT COMPANY, LIMITED, of Mansion House Chambers, 11 Queen Victoria Street, in the City of London, England, Patentees and Manufacturers.

No. of class: 50.

Description of goods: Corks and bottle- and jar-sealing devices included in this class.

No. of application: 10210.
Date: 1th February, 1912.

TRADE MARK.

AUTOBESTOS

NAME.

CECIL ROUTLEDGE, of 3 Leicester Street, London W., England, Engineer.

No. of class: 50.

Description of goods: Friction material for clutch-pads, clutch-facings, brake-lining, and the like.

No. of application: 10212.
Date: 1st February, 1912.

TRADE MARK.

The essential particulars of the trade mark are the combination of devices; and the applicants disclaim any right to the exclusive use of the added matter except so far as it consists of their name.

NAME.

RAMON MONTET LIMITED, of 64 Coleman Street, London, and 9 Castle Hill, Warwick, England, Cigar-manufacturers.

No. of class: 45.

Description of goods: Cigars.

No. of application: 10215.
Date: 10th February, 1912.

TRADE MARK.

The applicant company claims that the trade mark has been continuously used in the business of said corporation and its predecessors from whom it derived title since 1880.

NAME.

THE AMERICAN STEEL AND WIRE COMPANY OF NEW JERSEY, a corporation organized and existing under and by virtue of the laws of the State of New Jersey, with principal offices at Hoboken, State of New Jersey, United States of America.

No. of class: 5.
Description of goods: Barb wire.

No. of application: 10216.
Date: 9th February, 1912.

TRADE MARK.

The word

EFFESKO.

NAME.

FRITH, SON, AND Co., of Hall of Commerce, High Street, Auckland, in the Dominion of New Zealand, Hardware Importers and Indentors.

No. of class: 18.
Description of goods: Gas-lighting apparatus.

No. of application: 10218.
Date: 9th February, 1912.

TRADE MARK.

The word

KHEDIVE.

NAME.

JOSEPH NATHAN AND Co., LIMITED, of Wellington, in the Dominion of New Zealand.

No. of class: 42.
Description of goods: All dried fruits (figs, dates, sultanas, currants, &c.).

No. of application: 10219.
Date: 13th February, 1912.

TRADE MARK.

The word

SUNBEAM

NAME.

THE SUNBEAM MOTOR CAR COMPANY, LIMITED, of Moorfield Works, Blakenhall, Wolverhampton, Staffordshire, England, Manufacturers of Automobiles.

No. of class: 22.
Description of goods: Motor-vehicles.

No. of application: 10220.
Date: 13th February, 1912.

TRADE MARK.

STENOTYPE

NAME.

THE UNIVERSAL STENOTYPE COMPANY, a corporation duly organized under the laws of the State of Delaware, residing at Owensboro, County of Daviess, State of Kentucky, United States of America, Manufacturers.

No. of class: 6.
Description of goods: Typewriting-machines.

No. of application: 10221.
Date: 13th February, 1912.

TRADE MARK.

KYMOL

NAME.

NEWTON, CHAMBERS, AND Co., LIMITED, of Thorncliffe Iron Works and Collieries, near Sheffield, England, Manufacturers.

No. of class: 2.
Description of goods: Chemical substances used for agricultural, horticultural, veterinary, and sanitary purposes.

No. of application: 10223.
Date: 13th February, 1912.

TRADE MARK.

The word

ALLIANCE.

NAME.

THE ALLIANCE TEA, COFFEE, AND COCOA COMPANY, of Wellington, in the Dominion of New Zealand, Merchants.

No. of class: 42.
Description of goods: Tea, coffee, cocoa.

No. of application: 10226.
Date: 14th February, 1912.

TRADE MARK.

The word

KEBLAH.

NAME.

BALDWINS LIMITED, whose registered office is at Salisbury House, 45 Wind Street, Swansea, Wales, Manufacturers.

No. of class: 5.
Description of goods: Tinned, iron, and steel sheets and plates, terne sheets and plates, black iron and steel sheets and plates, Canada sheets and plates, tinned taggers, terne taggers and black taggers, and galvanized-iron and steel sheets.

J. C. LEWIS,
Registrar.

Trade Marks registered.

LIST of Trade Marks registered from the 2nd to the 15th February, 1912, inclusive:—

No. 7952/9949.—E. M. Dickinson, Limited. Class 12. (*Gazette* No. 91, of the 16th November.)

No. 7953/9986.—Schweppes Limited. Class 44. (*Gazette* No. 88, of the 2nd November.)

Nos. 7954/9993, 7958/9997, 7962/10001, and 7969/10009.—Dollfus-Mieg and Cie. Class 23. (*Gazette* No. 88, of the 2nd November.)

Nos. 7955/9994, 7959/9998, 7963/10002, 7966/10006, and 7970/10010.—Dollfus-Mieg and Cie. Class 25. (*Gazette* No. 88, of the 2nd November).

Nos. 7956/9995, 7960/9999, 7964/10003, 7967/10007, and 7971/10011.—Dollfus-Mieg and Cie. Class 26. (*Gazette* No. 88, of the 2nd November.)

Nos. 7957/9996, 7961/10000, 7965/10004, 7968/10008, and 7972/10012.—Dollfus-Mieg and Cie. Class 30. (*Gazette* No. 88, of the 2nd November.)

No. 7973/10022.—J. McDougall, Limited. Class 18. (*Gazette* No. 88, of the 2nd November.)

Nos. 7974/10031 and 7975/10032.—New Zealand Candle Company, Limited. Class 47. (*Gazette* No. 99, of the 1st December.)

Nos. 7976/9972 and 7977/9970.—Philips and Pike. Classes 13 and 18. (*Gazette* No. 91, of the 16th November.)

No. 7978/9801.—J. T. Norton and Co. Class 42. (*Gazette* No. 99, of the 1st December.)

No. 7979/10052.—T. M. Goodall and Co., Limited. Class 47. (*Gazette* No. 99, of the 1st December.)
No. 7980/10054.—The Ford Motor Car Company of Canada, Limited. Class 22. (*Gazette* No. 99, of the 1st December.)
No. 7981/10021.—Philips and Pike. Class 47. (*Gazette* No. 99, of the 1st December.)
No. 7982/10058.—The Hollins Mill Company, Limited. Class 24. (*Gazette* No. 99, of the 1st December.)
No. 7983/9852.—G. L. Denniston. Class 42. (*Gazette* No. 72, of the 7th September.)
No. 7984/9365.—P. Harrington. Class 42. (*Gazette* No. 23, of the 23rd March.)
No. 7985/8654. — Bataafsche Petroleum - Maatschappij. Class 47. (*Gazette* No. 77, of the 11th August, 1910.)
No. 7986/10025.—Standard Varnish Works. Class 1. (*Gazette* No. 99, of the 1st December.)
No. 7987/9370.—F. M. King and Co. Class 38. (*Gazette* No. 15, of the 23rd February, 1911.)
No. 7988/9549.—A. M. Huxtable. Class 3. (*Gazette* No. 62, of the 27th July.)
No. 7989/9949.—A. G. Seddon. Class 3. (*Gazette* No. 102, of the 14th December.)
No. 7990/9815.—F. Castle. Class 48. (*Gazette* No. 69, of the 24th August.)
No. 7991/9831.—Imperial Export Company, Limited. Class 4. (*Gazette* No. 75, of the 21st September.)

Trade Mark Renewal Fees paid.

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

Nos. 2306/1864 and 2307/1865.—21st March, 1912.—Mellor and Co., Worcester, Eng. 2nd February, 1912.
No. 2412/1918.—5th July, 1912.—W. and S. A. Hutton, Melbourne, Vic. 13th February, 1912.
Nos. 2502/1969 and 2503/1970.—13th October, 1912.—Lever Bros., Limited, Balmain, N.S.W. (Lever Bros., Limited). 14th February, 1912.

Trade Marks removed from the Register.

TRADE Marks removed from the Register owing to the non-payment of the renewal fees, from the 2nd to the 15th February, 1912, inclusive:—

Nos. 2200/1766 and 2201/1767.—2nd November, 1897.—The Crown Ironworks Company, Limited, Christchurch, N.Z. Class 18.

Trade Mark restored to the Register.

THE following Trade Mark has been restored to the Register:—

No. 83/2096.—Clark and Co., Limited, of Paisley, Scotland. (Clark and Co.)

Subsequent Proprietor of Trade Mark registered.

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

NOS. 5455/4295 and 5868/4792.—George William Hean, of Wanganui, New Zealand, Chemist. (A. and E. Davies.) 12th February, 1912.

Request for Correction of Clerical Error in Application for Trade Mark.

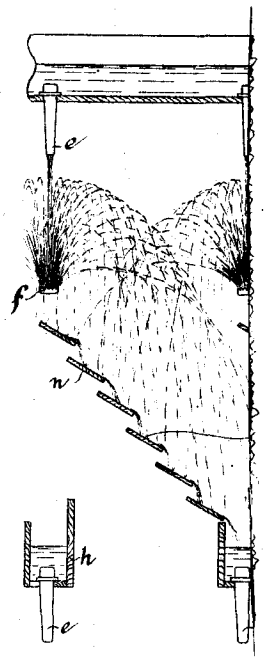
NO. 9971/7917.—Ambury Limited. (Application advertized in *Gazette* No. 88, of the 2nd November, 1911; registration in *Gazette* No. 6, of the 25th January, 1912.)

To alter the name to "Amburys Limited."

By Authority: JOHN MACKAY, Government Printer, Wellington.

ILLUSTRATIONS OF INVENTIONS.

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



Liquid cooler. Morrison. 28811.

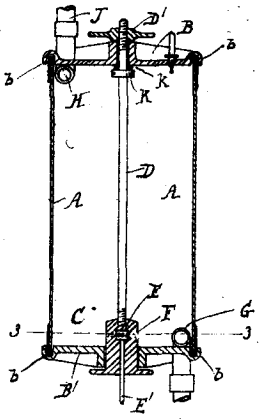
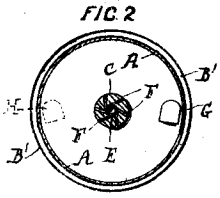
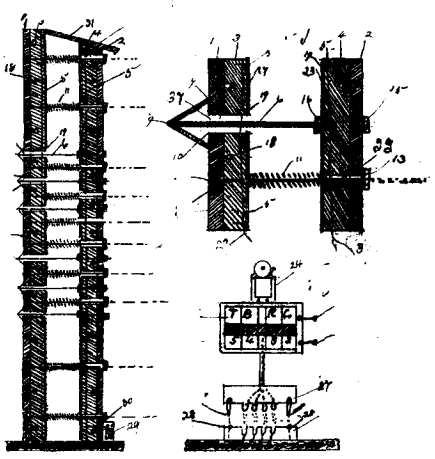


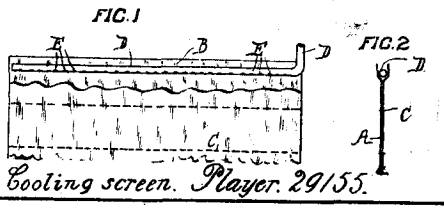
FIG. 2



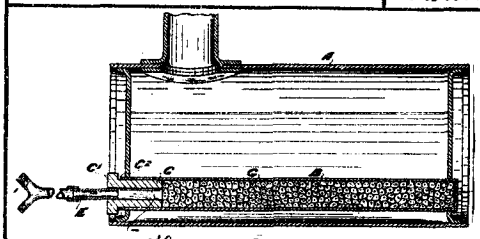
Pasteurizer. Berry. 29176.



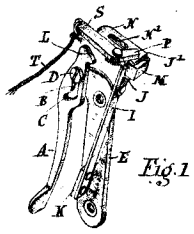
Target. Forscutt. 29036.



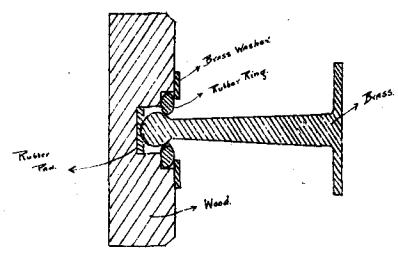
Cooling screen. Player. 29155.



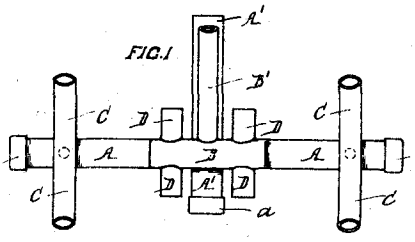
Heating liquids. Bone, Wilson & Mc Court. 29123.

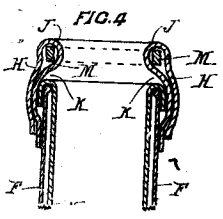


Window fastening. Mc Gann & Pitts. 29343.

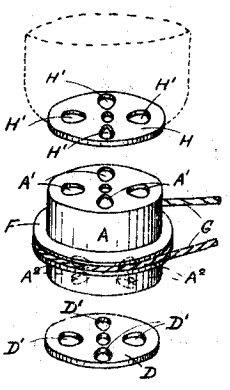


Door stop. Hawkes. 29372.

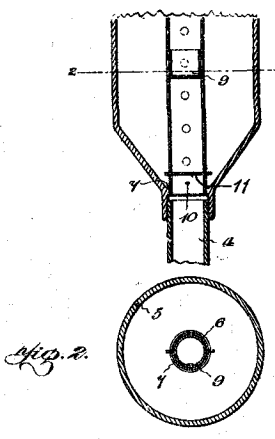




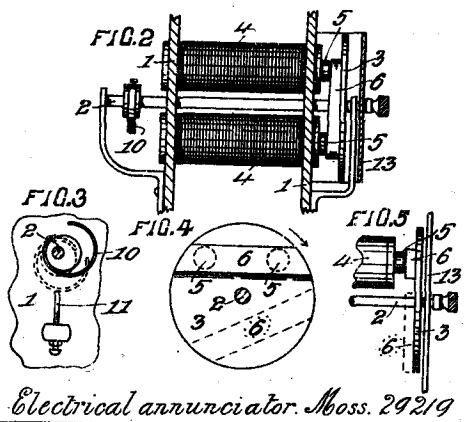
Teat cup. Bartlett. 29267.



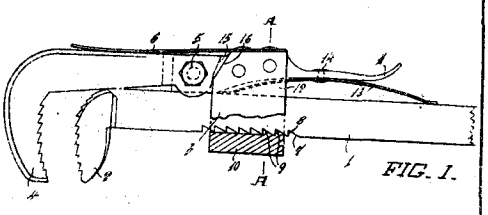
Milk releaser. Pocock 29598.



Gas regulator. Burns. 30743.



Electrical annunciator. Moss. 29219.



Pipe-wrench. Cooper. 30562.

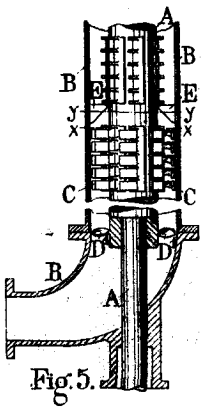


Fig. 5.

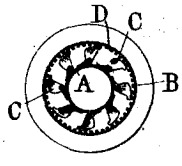
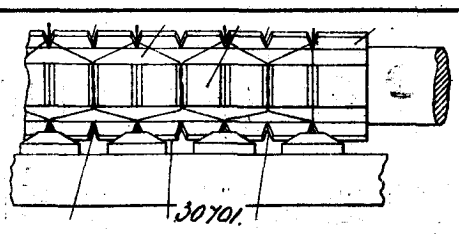


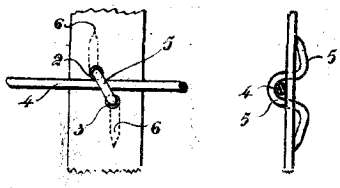
Fig. 6.

Paper-pulp manufacture. Jackson. 30729.



30701.

Wire netting machine. Lysaght Ltd (Foan).



Fencing dropper. Butters. 30657.

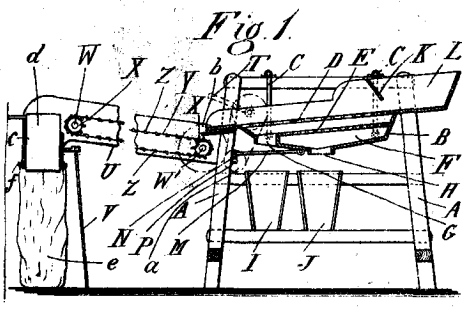


Fig. 1.

Potato sorter. Cooch. 30681.

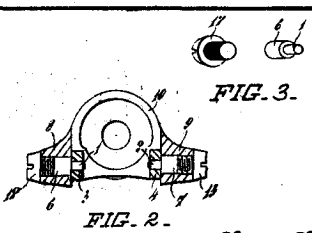
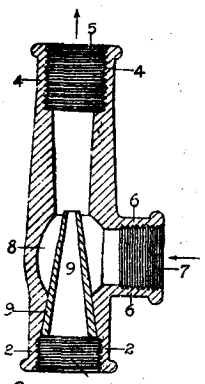


FIG. 3.

FIG. 2.

30737.

Shearing machine joint. Craig C J & H A.



Shower bath. Penninghaus 30742.

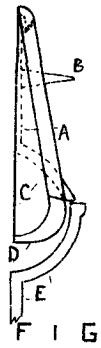


FIG 2

Range fire door. Mc Cormack. 30633.

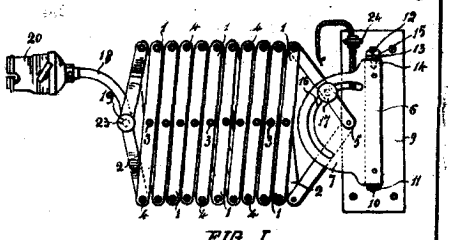
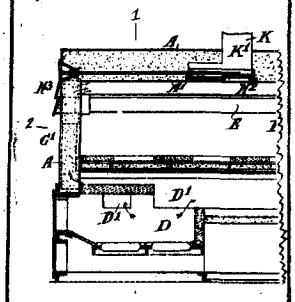
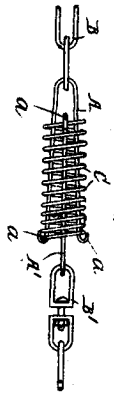


FIG. 1.

Electric light bracket. Schwartz & Hedderspoon. 30738.



Oven. Leitch 30710.



Trap. Wallace 29104.

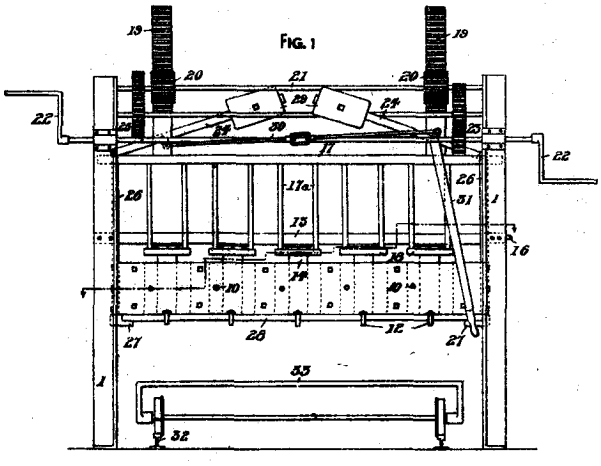


FIG. 1

Moulding apparatus. Raby 30692.

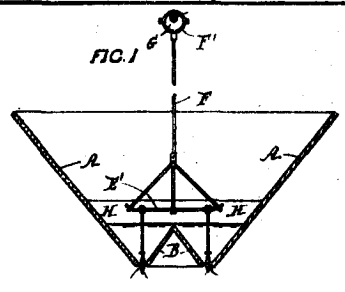


FIG. 1

Manure mixer. Clark. 29467.

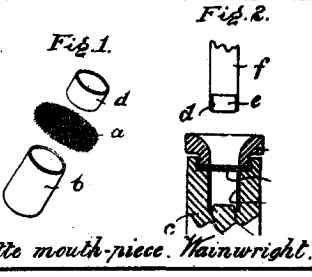
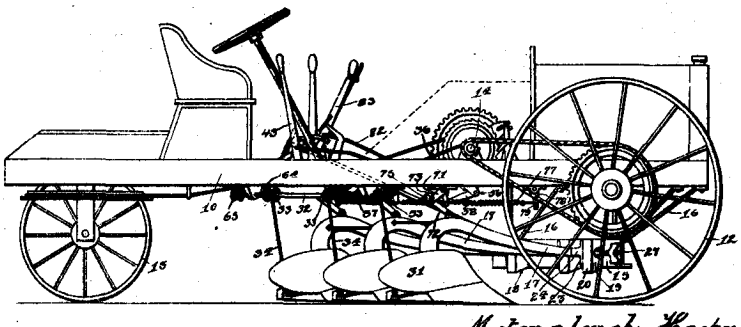


Fig. 1.

Fig. 2.

Cigarette mouth-piece. Wainwright. 30730.



Motor plough. Hackney. 30739.

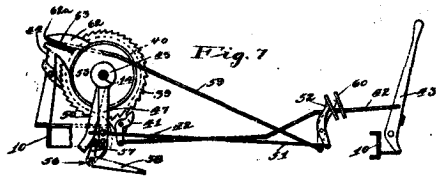
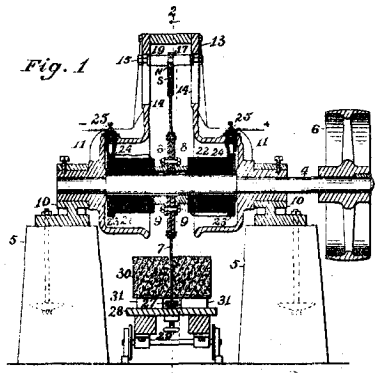
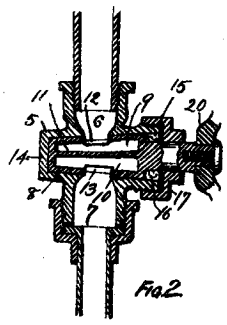


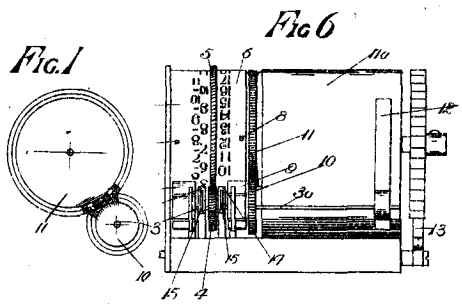
Fig. 7



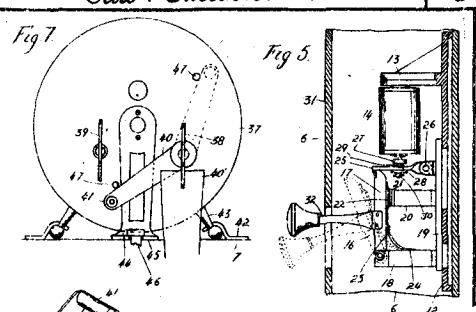
Saw. Smith. 30121.

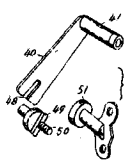


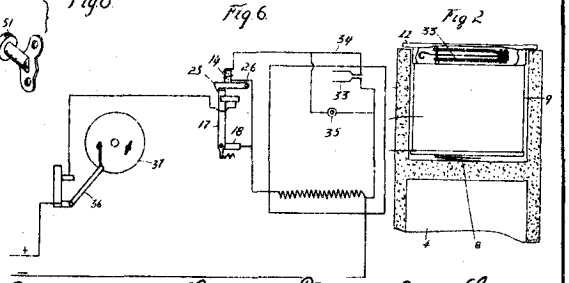
Tap. Gordon. 30683



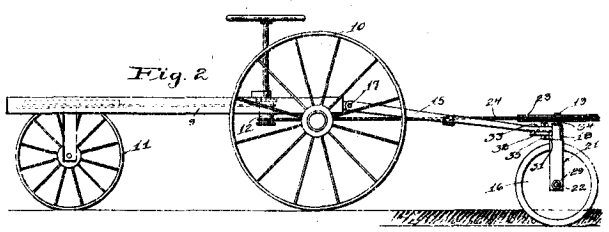
Stamp recording machine. Wright. 30547.



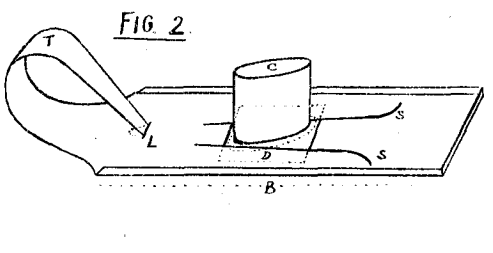




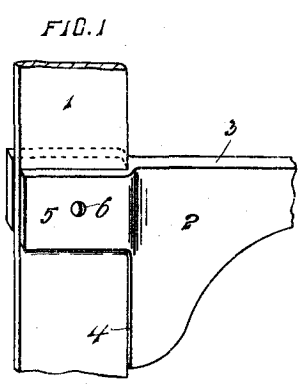
Electric stove. Copeman Electric Stove Coy (Copeman) 30493.



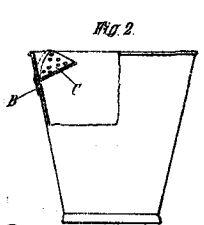
Vehicle steering device. Huckney. 30740.



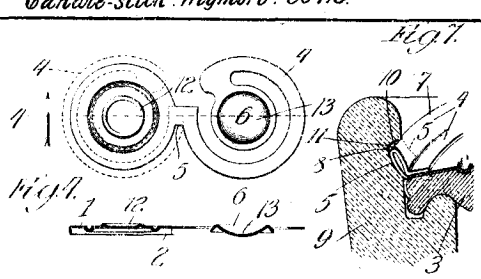
Candle-stick. Wigmore. 30713.



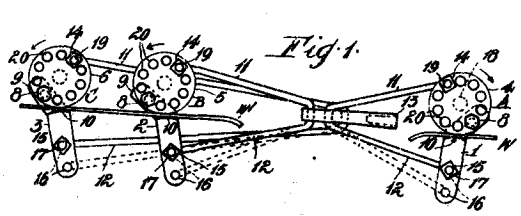
Bracket. Davies. 30624.



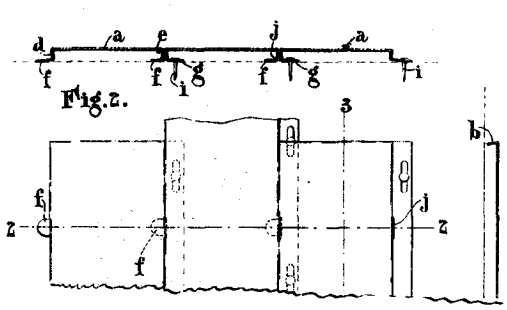
Pail etc attachment. Burgess 30491.



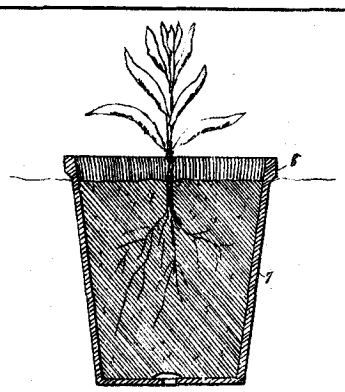
Stopper. Canfield (Brown). 30702.



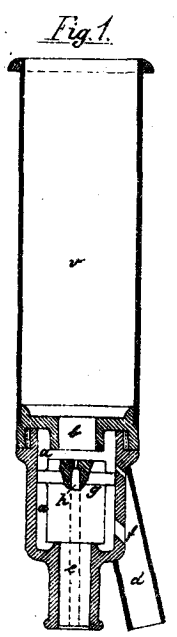
Wire strainer. Ireland & Kuschert. 30500.



Wall-plate. Storey, Mc Calla, & Griffiths. 30708.



Flower pot. Wolf. 30399.



Milking machine. Sabroe. 30716

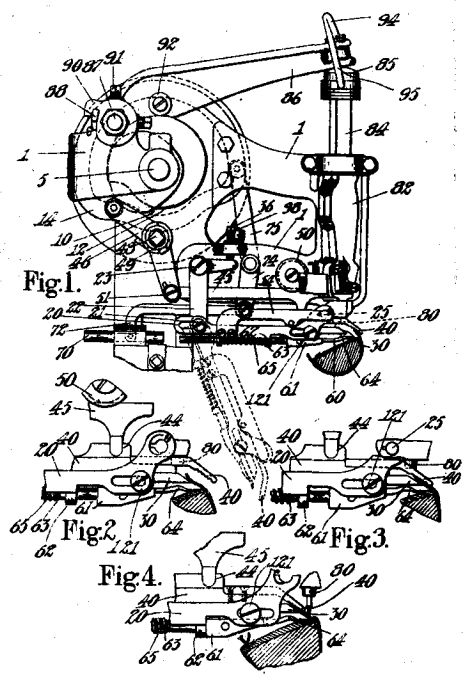


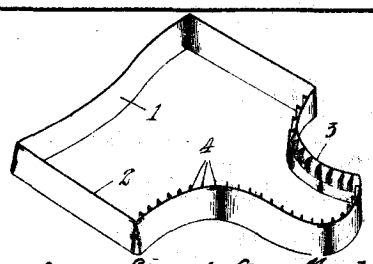
Fig. 1.

Fig. 2.

Fig. 3.

Fig. 4.

Boot machine. United Shoe Machinery Co.v (Ashton) 29388.



Boot manufacture. United Shoe Machinery Co.v (Land.) 29449.

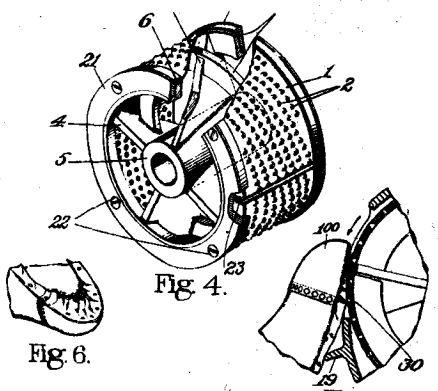


Fig. 4.

Fig. 6.

Fig. 7.

Boot-sole trimming machine. United Shoe Machinery Co.y (Mc Feely), 29415.

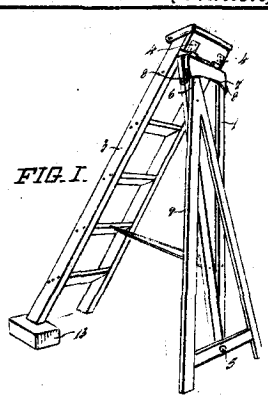
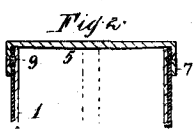
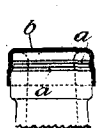


FIG. I.

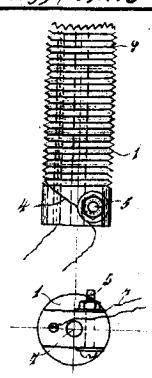
Ladder. Yeoman. 29340.



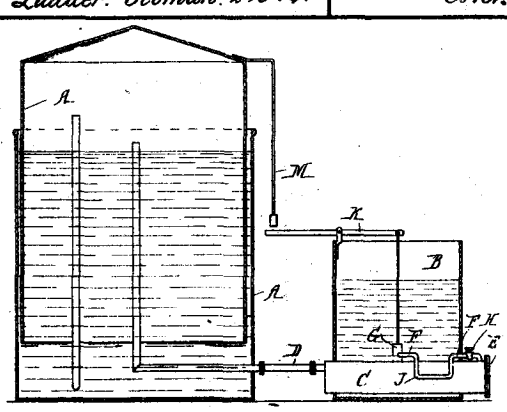
Butter receptacle. Cruickshank. 29385



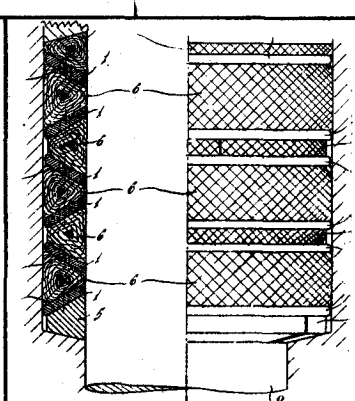
Bottle closure. Lassen 30131.



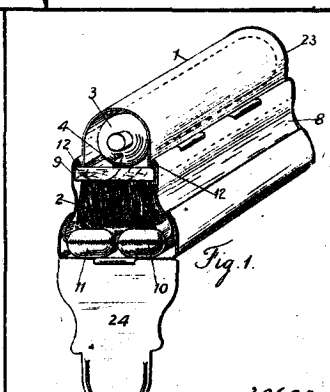
Electric heater. Hainsworth. 29327.



Acetylene generator. Smith. 30099.

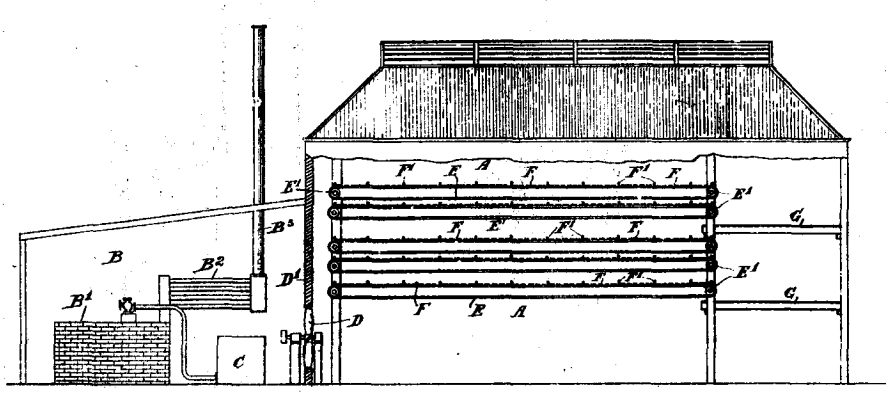


Packing ring. Gillies. 30086.

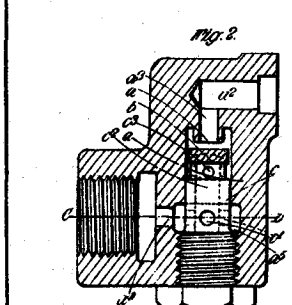


30695.

Boot etc polisher. Swanson.



Hop dryer. Shoobridge. 30542.



Train-lighting valve. Haigh. 30724.