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*Official Notices.*

LIBRARY.

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

*United Kingdom.*

- Specifications and drawings of inventions.\*
- Classified abridgment of inventions to 1900.
- Illustrated Official Journal to August, 1904.
- Trade Marks Journal to May, 1904.

*Canada.*

Patent Office Record (containing illustrated abridgments of inventions) to February, 1904.†

*Australian Commonwealth.*

The Official Gazette, containing lists of applications for letters patent, &c.

The Gazettes of the various States, containing lists of trade marks applied for, &c.

\* These are sent out at short intervals, and are usually on the shelves of the office from three to six months after publication.

† These may be seen at the public libraries, Auckland and Christchurch.

*United States.*

The Official Gazette (containing illustrated abridgments of inventions, &c.) to August, 1904.

OFFICIAL PUBLICATIONS.

The following publications may be obtained from the Government Printer, Wellington:—

Printed specifications to the end of the year 1879.

Annual lists of letters patents and letters of registration applied for, and particulars of applications lapsed, and patents lapsed, from 1880 to 1888 inclusive.

Annual reports of the Registrar, containing alphabetical lists of applicants for letters patent and of inventions patented from 1889 to 1903 inclusive.

The Patents Supplement to *Gazette* (containing notifications, applications for letters patent, abridged descriptions and drawings of inventions, &c.), published fortnightly.

LOCAL PATENT OFFICES.

Local patent offices for the reception of applications for letters patent without extra payment have been appointed at the following places: Ashburton, Auckland, Blenheim, Christchurch, Dunedin, Gisborne, Greymouth, Hokitika, Invercargill, Napier, Nelson, New Plymouth, Oamaru, Queenstown, Thames, Timaru, Wanganui, Westport. These are situated in the Supreme Court Buildings and S.M. Courthouses.

FORMS.

Forms of application and specification for letters patent, with sheet of information concerning fees and procedure, are obtainable without payment at the Patent Office, any local patent office or money-order office.

PATENT AGENTS.

A list of registered patent agents may be obtained on application.

*Notice of Acceptance of Complete Specifications.*

Patent Office,

Wellington, 28th September, 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. 17256.—16th November, 1903.—P. AND D. DUNCAN, LIMITED, of Tuam Street, Christchurch, New Zealand, Engineers. Improvements in cultivators.\*

*Claims.*—(1.) In a cultivator in which the tines are carried on a hinged lever or section, a pressure-bar as 4 moved by a lever and rocker-bar and connected to the tine-levers by a spiral bolt and spring as described. (2.) In a cultivator provided with pressure-bars and spiral springs, a bolt to take the spiral spring, having a flat part to fit between the two sides of the tine-lever and a sleeve to slide on the said flat, as and for the purposes described, and illustrated in the drawings.

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

No. 17257.—16th November, 1903.—P. AND D. DUNCAN, LIMITED, of Tuam Street, Christchurch, New Zealand, Engineers. An improved road-wheel for vehicles.\*

*Extract from Specification.*—Our proposed metal felloe is of such a length as will reach from one spoke to the next only. The ends of felloes shall have recesses formed to receive one-half the spoke-ends. Each felloe forms an arched segment across the space from one spoke to the next. The felloes are attached to the spokes by a coach-screw and washer, a suitable recess being formed to sink the head of coach-screw below the outside of felloe.

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

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

No. 17303.—27th November, 1903.—LEONARD BROWNLOW HORROCKS, of Wellington, New Zealand, Settler. Improvements in vending-machines.\*

*Extract from Specification.*—The machine consists of a wheel of any desired diameter, and formed with any desired number of compartments in its peripheral face, each adapted to hold the goods to be delivered. This wheel is mounted on a central spindle within a semicircular trough or frame that encloses its lower half and contained within a suitable framework. The bottom of the trough or frame is provided with an opening of approximately the same size as the mouth of one of the compartments in the wheel, so that as the compartments travel over the opening the article contained in each one will be free to fall through it on to a tray below. This opening is provided with a sliding door on its under-side, by means of which it may be closed in order that the wheel may be revolved, without emptying its compartments, to allow of the whole of the compartments being charged. The wheel is provided with means whereby it will be caused to revolve in a forward direction for a complete revolution, and which when the wheel has been revolved in the reverse direction will be placed in tension to again revolve it in a forward direction. The machine is provided with means whereby the delivery-wheel may be allowed to move through a distance of one of its compartments upon depressing and releasing a hand-lever upon the outside of the machine. The operation of such means depends upon the insertion of a coin within a slot to complete a chain of operating mechanism.

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

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

No. 17322.—2nd December, 1903.—WALTER JAMES STANDEN of Pleasant Point, South Canterbury, New Zealand, Miller. Device for cutting and tailing lambs.\*

*Claims.*—(1.) A device for cutting and tailing lambs consisting of the parts constituted, arranged, and operating substantially as described. (2.) A device for cutting and tailing lambs consisting of a spring U-shaped handle-piece, with turned-in ends having serrated edges and a knife-blade slidably mounted on one of the sides, substantially as described. (3.) A device for cutting and tailing lambs consisting of a spring U-shaped handle-piece, with turned-in ends having serrated edges, a knife blade slidably mounted on one of the sides, and a curved grip attached to the knife-blade to hold same when extended for use, substantially as described.

(Specification, 1s. 9d.; drawing, 1s.)

No. 17324.—2nd December, 1903.—JOHN CHRISTIE and THOMAS REID CHRISTIE, both of Dunedin, New Zealand, Plumbers (nominees of William Borlase, of North-east Valley, Dunedin aforesaid, Mechanical Engineer). Combined wire cutter, twister, and winder for wire-strainers.\*

*Extract from Specification.*—The lever consists of two flat handles 1 and 2, pivoted near one end 3. One of the flat

handles 1 has for its end near the pivot 4 a curved cutting-edge 5 lying close on the other handle 2, which has a U-shaped slot 6 in it, across which slot said cutting-edge 5 works when the handles 1 and 2 are drawn into a closed and coinciding position, so as to cut a wire 7 placed in the slot. The other ends 8 and 9 of the handles are narrowed laterally for an inch or more to provide means for raising the loop of wire off the claw. Square holes 10 and 11 are cut in the handles 1 and 2 near these narrowed pieces, coinciding when the handles are closed, and adapted to fit on and turn the squared end of the axle, and at a short distance behind said square holes are round holes 12 and 13, coinciding when the handles are closed together, and adapted to receive a wire and twist same on the turning of the closed handles round another wire.

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

(Specification, 1s. 9d.; drawing, 1s.)

No. 17335.—3rd December, 1903.—ELIAS HENRY NANKIVELL, of Waikouaiti, New Zealand, Farmer. Means for oiling idle pinions and pulleys on a moving shaft.\*

*Claim.*—Means for oiling an idle-pulley on a moving shaft, consisting of a collar for the shaft, provided with an oilway, and secured to the machinery-frame near the idle-pulley, substantially as described.

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

No. 17374.—12th December, 1903.—JOHN CHRISTIE and THOMAS REID CHRISTIE, both of Dunedin, New Zealand, Plumbers (assignees of William Borlase, of North-east Valley, Dunedin, New Zealand aforesaid, Mechanical Engineers). Improvements in wire-strainers.\*

*Claims.*—(1.) Improvements in wire-strainers, consisting of the improved nose-piece, substantially as and for the purposes set forth. (2.) In a wire-strainer of the class described, a split nose-piece, having two sides connected by a rivet, substantially as and for the purposes set forth.

(Specification, 1s. 9d.; drawing, 1s.)

No. 17380.—17th December, 1903.—UNITED SHOW 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 George Goddu, of Winchester, Middlesex, Massachusetts aforesaid, Inventor). Improvements in or relating to loose nailing-machines.\*

*Extract from Specification.*—An important feature of the present invention consists in providing a nailing-machine with a raceway having a plurality of nail-guiding grooves adapted to deliver different kinds of nails from a multipart hopper, combined with means for automatically shifting the raceway during the regular operation of the machine to bring any one of the plurality of raceway-grooves into alignment with the driver-passage in the nose, so that different kinds of nails may be driven. Another feature of the present invention consists in means under the control of the workman for determining when the shifting of the raceway shall take place, and also for determining the direction in which the raceway shall be shifted. Still another feature of the present invention consists in locking the raceway to prevent it from being accidentally shifted. Preferably the raceway-locking mechanism is arranged to be inoperative during a portion of each operation of the machine, to permit the raceway to be shifted if so desired.

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

(Specification, 17s.; drawings, 6s.)

No. 17388.—17th December, 1903.—THOMAS CHARLES HEMENT, of Hereford Street, Christchurch, Canterbury, New Zealand, Plumber. Improved method or process of an apparatus for manufacturing sheet-metal piping.\*

*Claims.*—(1.) For the purpose indicated, in combination, a mandrel-block having a longitudinal recess, a revolvably mounted mandrel received by said recess, said mandrel having slots or recesses to receive the edges of the sheet metal to be operated upon, and guide-clips fixed upon the mandrel-block and projecting over the mandrel, substantially as specified and illustrated. (2.) In the manufacture of sheet-metal pipes, apparatus wherein the sheet metal is bent at its opposite edges and also bent into circular section whereby when a pipe is formed said edges form interlocking joints, substantially as specified, and illustrated in the drawing.

(3.) For the purpose indicated, the parts constructed, arranged, and operating substantially as and for the purposes specified, and illustrated in the drawing.  
(Specification, 4s.; drawing, 1s.)

No. 18042.—14th June, 1904.—P. AND D. DUNCAN, LIMITED, of Tuam Street, Christchurch, New Zealand, Engineers (assignees of James Keir, of 312, Colombo Street, Sydenham, New Zealand, Engineer). An improvement in dumping and spreading wagons.\*

*Claims.*—(1.) A wagon-body having sloping ends and a wedge-shaped projection in the bottom, as and for the purposes described. (2.) In a wagon with body of the shape shown, doors hinged and operated by rocking-shaft and lever, as and for the purposes described.

(Specification, 1s. 9d.; drawing, 1s.)

No. 18256.—1st August, 1904.—ARTHUR JOHN FISHER, of New Plymouth, Taranaki, New Zealand, Clerk. An improved paint.

*Claim.*—The improved paint, consisting of pumice ground to a powder mixed with linseed-oil, part boiled and part raw, and turpentine and dryers, substantially as and for the purposes set forth.

(Specification, 1s.)

No. 18323.—17th August, 1904.—THOMAS MCLEAN PARK, of 1312, Ashland Block, Chicago, Cook, Illinois, United States of America. Improvements in ore-loading machines.

*Extract from Specification.*—Includes a conveyer-frame W, made, preferably, of two main channel-pieces 17, a cross-section of which appears in Fig. 3, where the conveyer-frame is shown as having side troughs 18 extending outwardly and with upwardly inclined lower portion leading from the lower corners or portions of the channel-pieces of the frame. . . . This conveyer X is of the endless-chain type, and its blades 21, which operate in the troughs, have their shanks extending through the slotted or channelled sides of the conveyer-frame W and connected with the chain, substantially as shown in Fig. 3. The conveyer-frame is so mounted at its central portion upon the transverse shaft 16 that it may be tilted longitudinally in vertical planes, whereby the forward end of the conveyer-frame may be brought sufficiently low to cause the apron end W<sup>1</sup> thereof to scoop into the material to be elevated, whereby said material may be caught by the endless chain of buckets or blades and carried upward through the trough, and over the floored portion thereof, or over the screened surface if such surface is used and screening of the fine material is desired, the said material being finally discharged at the rear or upper end of the conveyer-frame into cars or wagons direct, or into a supplemental conveyer, which in turn delivers to the cars or wagons. As the blades or buckets deliver their load they return through the other or open-bottom trough, being supported upon the bar 20 during this return movement. The apron end W<sup>1</sup> of the conveyer-frame serves as a shovel nose, which is forced into or under the material, and in so doing will gather the same into the receiving end of the conveyer-trough, for in the operation of the machine the shovel nose or apron end of the conveyer-frame, which is shaped substantially as shown, is placed with the shovel-nose portion in close proximity to the pile of material to be gathered; the conveyer started, the machine moved forward with a sort of sweeping action, and the nose urged into or under the material, and the material thus gathered will be fed into the range of action of the flights, and finally carried by the flights along the trough. The conveyer passes round suitable sprocket wheels 22, 22<sup>1</sup> at the ends of the conveyer-frame, said sprockets being mounted on shafts 23, 23<sup>1</sup>, which stand perpendicular to the bottom of said frame. Between the shaft 23<sup>1</sup> and the loose sprocket carried thereby is a clutch a, which may be of any well-known character, operated by means of the fulcrumed lever a<sup>1</sup>. The clutch shown is what is known as the coil clutch, illustrated somewhat in detail in Fig. 17, but forming no essential part of the invention. Any suitable clutch at the point indicated may be employed for connecting the driving-sprocket of the endless conveyer with the power and disconnecting it from the power, to start and stop the travel of the conveyer.

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

(Specification, £1; drawings, 6s.)

No. 18325.—17th August, 1904.—EDGAR GUESS, of 31, Tasman Road, Clapham, Surrey, England, Inventor. Improvements in and connected with electrical cash-checking machines.

*Extract from Specification.*—The present invention relates to improvements in and connected with electrical cash-checking machines, the objects being the prevention of fraud and obtaining a record of the total amount of cash registered as having been received. The invention comprises essentially a switchboard with a series of levers or knobs, each one of which represents a different value equivalent to one or more cash-units, a series of registering-dials in electrical connection with the switchboard so that they record each individual transaction, and in connection with each other so that they show the total amount, and a cash-receiving till consisting of three separate tills—for gold, silver, and copper respectively—each enclosing a revoluble wheel with four divisions and so arranged as to expose to sight the last coin or coins inserted therein. As the connection between the switchboard and the registering-dials is an electrical one, it will be seen that the registering-dials can be located in any place distant from the switchboard so as to be under the direct observation of the manager or other person in authority.

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

(Specification, 19s.; drawings, 9s.)

No. 18327.—17th August, 1904.—LIONEL BUCK, of Eagle Point, Bairnsdale, Tanjil, Victoria, Australia, Agent. An improved mechanism for the transmission of motion and energy.

*Claims.*—(1.) An arrangement of mechanism for the transmission of motion and energy, consisting of, in combination, a supporting frame, a spindle to which is rigidly attached a disc, such spindle carrying also a boss or guide, upon which is attached a disc set at an inclination to such spindle, both discs having tooth-like projections which engage with each other, the inclined disc having attached thereto one or more spindles, and carrying a frame to which are attachable one or more diametrically placed spindles, substantially as described and illustrated. (2.) An arrangement of mechanism for the transmission of motion and energy, consisting of, in combination, a supporting frame, a spindle to which are rigidly attached a pair of discs, such spindle carrying also a boss or guide, upon which is movably attached a disc set at an inclination to such spindle, such discs, where they contact, having tooth-like projections which engage with each other, the inclined disc having attached thereto one or more spindles, and carrying a frame to which are attachable one or more diametrically placed spindles, substantially as described and illustrated. (3.) In the mechanism described in claims 1 and 2, having (instead of teeth-like projections) pins or studs upon either disc engaging with slots or holes, or pins and studs, upon the other disc, substantially as described and illustrated.

(Specification, 6s. 3d.; drawings, 2s.)

No. 18328.—17th August, 1904.—MICHAEL JAMES TEHAN, of Elm Dale Estate, Heathcote, Victoria, Australia, Engineer. Improvements in reapers-and-binders.

*Extract from Specification.*—I employ as the source of power a motor, preferably of the internal-combustion type, using hydrocarbonaceous or similar fuels; but a steam or gas motor can also be employed. This motor is carried upon the frame of the machine, and is attached in such a manner that it can, whenever desired, be detached from this machine and employed for other purposes. The motor is provided with a fly-wheel and shaft, from which power is taken by suitable gearing and mechanism for transmission. The power is transmitted in two independent directions, the first being direct to the travelling arrangements, the other being direct to the mechanism operating the cutting, conveying, packing, binding, and discharging functions of the machine. These two lines of transmission are quite distinct from each other, so that the machine may be made to travel without cutting crop, or to cut and pack sheaves without travelling. Moreover, I provide means by which the rate of one motion may be varied with respect to the rate of the other motion, so that crops of differing density may be equally efficiently reaped and bound. . . . By this means I am enabled to cause my machine to travel either forward or backward at will. As the cutting-table must in any one machine be fixed in a predetermined position with respect to the motor, it follows that my machine may be made to act either as a right-hand or left-hand machine—that is, cutting crop lying either to the right or to the left of the direction of travel for the time being. Thus the operator of such a machine (instead of, as at present, having to travel round the periphery of the crop, continuously in one direction, and having to turn corners at the end of each side of the area operated upon, or to travel in curves) is thereby enabled to travel up and down the crop in straight parallel

paths without turning corners, cutting alternately right hand and left hand. I place the motor upon the framework of the machine entirely outside the line of travel of the canvas, and I take the main travelling-wheel also out of the line of this travel, and out from underneath the canvases. I am enabled to do this the more readily in my machine because this travelling-wheel is no longer in the chain of transmission of power to the operating mechanism. But, as a result of this, the "binder" end of my machine may be made much lower than all the analogous parts in present machines, and in consequence, the crop can be conveyed to the packers and needle at a much lesser height. This circumstance enables me to employ only one canvas for conveying the cut crop through the machine, instead of several canvases as required in the present machines. This reduces the number of rollers for canvas, and effects a great economy of power. Furthermore, by having the main wheel outside of the reaper-and-binder frame, I can employ a much larger wheel, and so reduce the tractive force required. . . . The remaining features of my invention are consequential upon the adoption of the foregoing leading features. I provide two sets of reaping mechanism, comprising knives, knife-bars, fingers, pitmans, and operating-parts, one such set upon each face of the reaping-table. Of these two sets, one only is in use at one time. The other set would then run idle; but I prefer to employ means, in the nature of clutches, by which one set of knives may be thrown in and the other set thrown out of operation whenever required.

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

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

No. 18380.—17th August, 1904.—ARTHUR PERCY RICHMOND, of "Kelvin," Enmore Road, Marrickville, near Sydney, New South Wales, Australia, Commercial Traveller. An apparatus for treating diseases.

*Extract from Specification.*—The apparatus consists of a cell or cylinder in which there is a partial vacuum, and suspended by mechanical means in partial vacuum is a diamagnetic element, which shall form a loose fit with the interior of the cell or cylinder. The bottom and top of the cell or cylinder will be closed by male-thread caps or other equivalent means, and in the upper male-thread cap provision is made for a wire connection, but not such as shall be in absolute contact with the diamagnetic element in the cell. The wire is connected to a flesh-disk that is mounted on a belt or strap that may be made fast round that portion of the body of the patient to which the therapeutic effect of the apparatus is to be applied. In using the apparatus the cell or cylinder is to be placed in contact with or immersed in some cooling or heating medium, the temperature of which shall be below or above the temperature of the body of the patient as required.

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

(Specification, 8s. 9d. ; drawing, 1s.)

No. 18389.—19th August, 1904.—EARL GEORGE DUNCAN McMASTER, of Matawhero Station, Martinborough, Wairarapa, New Zealand, Sheep-farmer. An appliance for use in trimming turnips, mangolds, and the like for cattle-food.

*Claim.*—An appliance for use in trimming turnips, mangolds, and the like for cattle-food, such appliance consisting of a metal rod secured at one end to a handle and turned downwards at right angles at the other end, such turned-down portion being bifurcated or forked, substantially as described.

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

No. 18345.—26th August, 1904.—FRANCIS WILLIAM STOKOE, of Auckland, New Zealand, Signwriter. Improved attachment for ladders.

*Claims.*—The device of jaws or hooks fixed at the end of dwarf ladders for the purpose of engaging the rungs of a standing ladder, and become a strut or platform to suit staging at any required height, removable by releasing the jaws, and may be used separately or in combination with other ladders. The required angle of the strut to be determined by the regulating cords at base of the device, and controlled by a cam-like or fiddle adjustment, as used in connection of the tightening of the ropes to a tent, as substantially set forth in specification and drawings.

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

No. 18346.—15th August, 1904.—JOHN MITCHELL, of Arthur Street, Ponsonby, Auckland, New Zealand, Architect. An improved cock for low pressures.

*Claim.*—In cocks for controlling low-pressure water and [or] other liquids, in combination, a gravity plug-valve having a cylindrical top part and a continuing conical, conoidal, partispherical, partispheroidal, paraboloidal, or other analogous shaped under-part gradually diminishing in sectional area and of similar section in all diametrical vertical planes, a cock-body having a valve-seating corresponding with the under-part of the valve, and an upper cylindrical chamber corresponding with the upper part of the valve, and inlet and outlet ports leading into and from the valve-seating, and a screw top adapted to close the cock-body cylindrical chamber to guide the valve-stem and to determine the highest rising of the valve, as set forth.

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

No. 18361.—22nd August, 1904.—EDWIN CATON MAHONY, of Room 3, Fairfield Block, Granville Street, Vancouver, British Columbia, Canada, Sawmill-manager. Portable wall-sections for house-building.

*Extract from Specification.*—I construct the house-walls in sections of convenient size and weight for portability, each section being made of posts and rails, having on the outer side weatherboard siding on ship-lap with tar-paper between, and on the inner side tongue-and-groove V-joint lining on ship-lap with paper between, so that an ample air-space is locked between the outer and the inner wall to afford protection against the most severe weather. The styles or posts of contiguous sections are joined by bolts in any manner that will afford a strong and weathertight joint, and the lower ends of these posts are stepped into mortised sills extending the length and breadth of the house, on suitable foundations, and provided at their outer side with a water-table and on the inner side with a rest for the flooring-joists. The wall-sections are of sufficient height to afford the necessary head-space in the room within, and their top rails are provided with a stout tongue to receive a corresponding groove in the roof-sill, or, if a double story is desired, a groove in a bonding sill which extends the length and breadth of the house, and on which the ceiling-joists rest and are nailed, thus tying the whole wall-structure strongly together.

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

(Specification, 8s. 6d. ; drawings, 4s.)

No. 18362.—25th August, 1904.—JAMES CHARLES HINTON, of Wickham Street, Arncliffe, New South Wales, Australia, Railway-carriage Builder. Means for controlling the spread of wheels of railway or tramway vehicles.

*Extract from Specification.*—To effect this purpose a special form of divided axle is so constructed as to allow the wheels to run independently of each other. The axles are supported by traversing bearings or axle-boxes having outer and inner guards, and are associated with automatically operated transverse framing and combined locking safety appliances, which alike control both the minimum and maximum spread of the wheels. The general arrangement and disposition of the parts comprising such improvements would necessarily vary according to the type of truck, carriage, or car to which they were to be adapted, the framing being altered or modified as may be required. To assist in the operation of releasing and securing the traversing bearings, specially shaped mid-rails are fixed between a suitable length of grooved rails situated at the junction of the two gauges. The grooves are used to confine the wheel-flanges until each vehicle has passed over.

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

(Specification, 6s. 6d. ; drawings, 3s.)

No. 18366.—25th August, 1904.—HENRY R. WORTHINGTON, a corporation organized and existing under the laws of the State of New Jersey, and having its principal place of business at 114, Liberty Street, City, County, and State of New York, United States of America (assignees of Frederick Ray, of East Orange, United States of America, Mechanical Engineer). Improvements in multistage centrifugal, turbine, and similar pumps.

*Extract from Specification.*—This invention relates to an improved centrifugal, turbine, or like pump of that class, having a plurality of enclosed impellers arranged in series, and known as compound or multistage pumps, and the invention consists in an improved construction by which efficient balancing of the pump-pressures is secured. In accord-

ance with the present invention, the successive impellers are not separated by the usual fixed diaphragms at the hub, but the hubs of the successive impellers are provided with suitable balancing surfaces on the delivery side, so that the delivery pressure acts in opposition to the suction pressure on the hub of each impeller. The delivery pressure of the last impeller of the series is preferably not applied to its hub, but the complete balancing of the shaft carrying the series of impellers may be secured by a pipe connecting the suction of the first impeller with a balancing-chamber at the rear side of the last impeller. Outside vanes on the opposite side walls of the impellers are preferably used to prevent leakage past the running-joints into the balancing-spaces at the hubs.

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

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

No. 18367.—25th August, 1904.—HENRY R. WORTHINGTON, a corporation organized and existing under the laws of the State of New Jersey, and having its principal place of business at 114, Liberty Street, City, County, and State of New York, United States of America (assignees of Frederick Ray, of East Orange, United States of America, Mechanical Engineer). Improvements in centrifugal, turbine, and similar pumps.

*Extract from Specification.*—This invention relates to that class of centrifugal, turbine, or similar pumps in which enclosed impellers are used, the especial objects of the invention being to provide a simple and efficient construction in which friction is lessened by air-chambers on opposite sides of the impeller, and to provide improved means for balancing the impeller and preventing leakage at the hub. The invention is applicable to pumps having either a single impeller or series of impellers—that is, either single-stage or multistage pumps—but certain features of the invention have been devised in connection with the application of the broad invention to multistage pumps, which features form specific parts of the invention.

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

(Specification, 6s. 9d. ; drawing, 1s.)

No. 18369.—25th August, 1904.—JOHN FRANCIS MCNEILL, of corner of Spencer and Bourke Streets, Melbourne, Victoria, Australia, Commercial Traveller. Improvements in or connected with gates.

*Extract from Specification.*—The gate is so mounted that when operated upon from either side the same is thrown out of its perpendicular position, and at the same time the latch end of the gate is raised, thereby releasing itself from the locking-device with which it was engaged. An initial movement having been thus given to the gate, it will, aided by its own weight, swing to its open or closed position as may be desired. It may be explained that the gate always opens and closes in the direction opposite to the pull on the operating rope or chain. In connection with the gate and its operative devices I employ suitable locking-devices, so that the gate is locked automatically when swung to either position.

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

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

No. 18372.—25th August, 1904.—JULIA ALLEN, of Puke-roa, Hunterville, New Zealand, Housewife. An improved hair-curler.

*Claim.*—In hair-curlers of the class described, forming the hinged bar and frame of curved shape, substantially as and for the purposes specified, and as illustrated in the drawings.

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

No. 18376.—20th August, 1904.—JOHN SMITH RAWORTH, of 46, Christchurch Road, Streatham, Surrey, England, Engineer. Improvements in and relating to the control and propulsion of electrically propelled vehicles.

*Claims.*—(1.) In the control and propulsion of vehicles propelled by electric motors having in the field a shunt winding, providing the motors with a series winding that is entirely independent of the armature-circuit in ordinary running and is placed in circuit therewith in emergencies by movement of the speed-lever to a position as far back as is possible, substantially as described. (2.) For controlling the movement of the speed-lever, and therefore the speed of

the vehicle, a slotted plate, the slots in which are so arranged that when it is desired to insert the series winding in circuit with the armatures the speed-lever can be drawn back to a position beyond the ordinary full-field position, substantially as described. (3.) In the control and propulsion of vehicles propelled by electric motors having in the field a shunt winding, the combination and arrangement of parts operating substantially as described, with reference to and shown in the drawings.

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

No. 18379.—30th August, 1904.—WILLIAM STEVENSON, of Grey Street, Devonport, Auckland, New Zealand, Photographer. Improved combined washing-boiler cover, bath-tub, and clothes-carrier.

*Claims.*—(1.) A combined washing-boiler cover, bath-tub, and clothes-carrier, constructed and arranged substantially as specified, and as illustrated in the drawing. (2.) For the purpose indicated, a cover for a washing-boiler in the shape of a truncated cone closed at its upper end, a rim upon said closed end and a handle therein, and handles opposite to each other near the larger end of the cone, substantially as specified and as illustrated.

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

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, 28th September, 1904.

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

No. 17988.—1st June, 1904.—RICHARD FRANCIS MARSH, of East Maitland, New South Wales, Australia, Engineer. An improved washing-machine.

No. 18353.—20th August, 1904.—WILLIAM FAIRWEATHER, Sen., JOHN FAIRWEATHER, and WILLIAM FAIRWEATHER, Jun., all of Walter Street, Blenheim, New Zealand, Engineers, &c. Improvements in or relating to flax-strippers.

No. 18363.—25th August, 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 George Goddu, of Winchester, Middlesex, Massachusetts aforesaid, Inventor). Improvements in or relating to welt-attaching apparatus.

No. 18365.—25th August, 1904.—THOMAS FRENCH, of Leonora, Western Australia, Engineer. Improved ratchet for ore-feeders.

No. 18371.—25th August, 1904.—EMILY SCHULZE, of Franklin Road, Auckland, New Zealand, Married Woman. An improved catamenial appliance.

No. 18380.—30th August, 1904.—WALTER WILLIAM PILKINGTON, of Victoria Street, Wellington, New Zealand, Accountant, and LUKE NELSON NATTRASS, of Lower Hutt, Wellington, New Zealand, Mechanic. An improved churn.

No. 18398.—3rd September, 1904.—ALICE MARY McDONALD, of 1, Watson Street, Wellington, New Zealand, Married Woman. A cabinet for preserving eggs in by vapour.

No. 18408.—6th September, 1904.—WILLIAM QUIN, of care of Box 426, Wellington, New Zealand, Accountant. Combined receipt and cheque form.

No. 18427.—3rd September, 1904.—JAMES GRAY, of Dunedin, New Zealand, Engineer. Improved fertiliser-conductor for fertiliser-drills.

No. 18428.—3rd September, 1904.—CHARLES DANIEL BRENT, of Cromwell, Central Otago, New Zealand, Dredge-man. Improvements in cycles.

No. 18431.—8th September, 1904.—HENRY CLAYLANDS FIELD, of Aramohe, Wellington, New Zealand, Civil Engineer. The manufacture of a fire- and earthquake-resisting building-material by the use of pumice instead of gravel or broken stone in the manufacture of concrete for building purposes.

No. 18432.—8th September, 1904.—RICHARD NEVILLE REID LINDSAY, of Auckland, New Zealand, Engineer. An improved appliance for use in dehorning cattle and for other analogous operations.

No. 18433.—5th September, 1904.—RICHARD COSSLETT, of Bath Street, Ponsonby, Auckland, New Zealand, Architect. Improvements in twist moulding machines.

No. 18434.—9th September, 1904.—MATTHEW RYAN, of Greymouth, Westland, New Zealand, Inventor. A gold-saving apparatus.

No. 18435.—6th September, 1904.—BENJAMIN TREWHELLA and WILLIAM TREWHELLA, trading as "Trehwella Bros.," at Trentham, Victoria, Australia, Engineers and Ironworkers. Improved lever jack specially useful for clearing land.

No. 18436.—6th September, 1904.—BENJAMIN TREWHELLA and WILLIAM TREWHELLA, trading as "Trehwella Bros.," at Trentham, Victoria, Australia, Engineers and Ironworkers. Improved pawl and ratchet mechanism.

No. 18438.—12th September, 1904.—HAROLD MARTIN DENNES and ARCHIE CLARENCE DENNES, both of Auckland, New Zealand, Importers. Means for use in automatically supplying needles to gramophone sound-boxes.

No. 18445.—14th September, 1904.—JOHN CLAUSSEN, of Weraroa, Levin, New Zealand, Cook. Means for indicating the expiration of certain predetermined periods of time, the same being particularly applicable for use in cooking eggs.

No. 18446.—14th September, 1904.—DONALD WILLIAM BODLE, of Manurewa, New Zealand, Farmer. An improved clip for holding papers and the like.

No. 18447.—15th September, 1904.—EDWARD TAYLOR, of Charlotte Street, Brisbane, Queensland, Australia, a member of the firm of Taylor and Colledge, Limited, Wholesale Druggists, &c. Means for operating, controlling, and [or] determining the amount of liquid to be withdrawn from a vessel by a siphon.

No. 18448.—15th September, 1904.—ARTHUR ALBERT BUSHELL, of Aberdeen Street, Perth, Western Australia, Manufacturer. Folding stand for usable attachment with bicycles.

No. 18449.—15th September, 1904.—EDWARD PATMAN COUTLER, of 38, Pitt Street, Sydney, New South Wales, Aerated-water Engineer. Improved method of saving carbonic-acid gas in the manufacture of aerated waters, and appliances for same.

No. 18450.—15th September, 1904.—MIGUEL TORRENTE, of Johannesburg, Transvaal, Metallurgist. Improvements in the separation of finely divided solid matter from the liquid in which it is suspended.

No. 18451.—15th September, 1904.—OSWALD THOMAS MADELEY, of Corindhap, Grenville, Victoria, Australia, Watchmaker. An appliance for gathering delicate fruit without injury thereto.

No. 18452.—12th September, 1904.—JAMES HOLMS, Jun., of Waimakaka, Southland, New Zealand, Farmer. Clasp for spreaders on traces or chains.

No. 18455.—15th September, 1904.—PETER MCILVRIDE, of Wanganui, New Zealand, Coal-merchant. An improved nose-bag.

No. 18457.—14th September, 1904.—ALFRED CLARK, Mineralogist, and JOHN STORER, Chemical Engineer, both of 90, Queen Street, Melbourne, Victoria, Australia. Improvements in apparatus for recovering gold and other metals from slimes, tailings, and alluvial wash.

No. 18458.—17th September, 1904.—JOHN THEOBALD, of Eltham, New Zealand, Carrier. An improved shaft-tug for harness.

No. 18459.—17th September, 1904.—ERNEST MOSS, of River Road, Avonside, New Zealand, Photo. Engraver, and RICHARD BRABAZON MORRIS, of Cambridge Terrace, Christchurch, New Zealand, Clerk. Fastener for lid of basket.

No. 18463.—20th September, 1904.—FRANK CASEY, of 143, Cromwell Street, Collingwood, near Melbourne, Australia, Engineer, and EDWARD WEST HUBBARD, of 34, Queen Street, Melbourne aforesaid, Legal Manager. Improvements in pump or suction dredging machinery.

No. 18465.—20th September, 1904.—ARCHIBALD GEORGE LAND, of 12, Rastrick Street, St. Albans, Christchurch, Canterbury, New Zealand. An improved adjustable seat for vehicles.

No. 18466.—20th September, 1904.—JAMES WILLIAM PERRY, of 270, Hereford Street, Christchurch, Canterbury, New Zealand, Accountant. Improvements in bicycles.

No. 18468.—21st September, 1904.—EDWARD ERNEST HANNAFORD, of 263, George Street, Dunedin, Otago, New Zealand. An improvement relating to locks of doors and the like.

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 13th to the 28th September, 1904, inclusive:—

- No. 16377.—R. Congreve, cycle-lock.  
No. 16410.—G. C. Clark, wire-strainer.  
No. 16413.—A. V. H. Monro and H. G. W. L. Noy, safety-grip block.  
No. 16425.—R. P. Gibbons, water-gauge for steam-boiler.  
No. 16436.—G. W. Remnant, potato-plough.  
No. 16458.—G. S. Stevenson, vehicle draw-bar attachment.  
No. 16471.—J. W. Mulhare, water-purifier for tank.  
No. 16568.—G. Davidson, pitch-chain and sprocket.  
No. 16698.—A. H. Brownley, tap and gauge for liquid-receptacle.  
No. 16651.—J. Lindsay, dust, draught, and rain excluder for doors.  
No. 16866.—A. Lappan, riding-saddle.  
No. 17338.—C. Butler, washing-machine.  
No. 17390.—A. H. McCulloch, preventing escape of volatile from fixed carbon in coal.  
No. 17426.—J. A. Winten, race-starter.  
No. 17464.—de B. de Lisle and E. V. Luttrell, branding-composition.  
No. 17499.—C. Turchi, transmitting telegraphic and telephonic messages over same line wire.  
No. 17662.—G. Sweetser, incandescent electric lamp and switch.  
No. 17715.—A. Mole, sash-hanger.  
No. 17728.—F. J. S. Hutchinson, cleansing-fluid.  
No. 17814.—H. M. Meinung, tidal-water-power generator.  
No. 17815.—F. B. Dennison, separating grain and seed.  
No. 17869.—L. Nelken, electric heel-pad.  
No. 17928.—The Lamp-manufacturing Company, Limited, lamp or lantern. (W. H. I. Welch.)  
No. 17945.—G. J. Cartwright, smoke-consumer and fuel-economizer.  
No. 17947.—J. P. Campbell, valve. (L. A. Merkt.)  
No. 17950.—S. W. Bonsall, wardrobe.  
No. 17957.—W. Wolski, hydraulic boring apparatus.  
No. 17989.—T. Gare, vehicle and pulley wheel.  
No. 17990.—L. Pearce, sash-fastener.  
No. 17992.—E. Bergmann, friction gear.  
No. 18009.—H. Aldenhoven and S. Rosengarten, hydraulic ram.  
No. 18010.—F. Staines, domestic draining-tray.  
No. 18015.—J. T. Hunter, electric-current collector. (K. F. Elers.)  
No. 18018.—United Shoe Machinery Company, pulling-over machine. (A. Bates.)

F. WALDEGRAVE,  
Registrar.

*Letters Patent on which Fees have been paid.*

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

SECOND-TERM FEES.

- NO. 13002.—H. Droullege, ballot-box. 15th September, 1904.  
No. 13160.—H. F. Kirkpatrick-Picard, Treating complex sulphide ores. 20th September, 1904.  
No. 13213.—Marconi's Wireless Telegraph Company, Limited, wireless telegraphy. (G. Marconi.) 22nd September, 1904.

THIRD-TERM FEES.

- No. 10008.—J. M. Ewen, vault and canopy lights. (O. H. Basquin.) 20th September, 1904.  
No. 10010.—J. M. Ewen, electro-glazing for joining glass tiles. (W. H. Winslow.) 20th September, 1904.  
No. 10101.—The Wilfley Ore-concentrator Syndicate, Limited, ore-concentrator. (A. R. Wilfley.) 20th September, 1904.

F. WALDEGRAVE,  
Registrar.

*Subsequent Proprietors, &c., of Letters Patent registered.*

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

WARP-TWISTING-IN Machine Company, a corporation organized under the laws of the State of New York, with offices in 309, Broadway, in the City, County, and State of New York, one of the United States of America, Manufacturers.

- No. 13261.—Warp-twisting-in machine. [Warp-twisting-in Machine Company — A. Goss.] 27th September, 1904.

No. 13782.—Twisting-in machine. [Warp-twisting-in Machine Company.—W. E. Krey and A. Duppler.] 27th September, 1904.

No. 13908.—The Automatic Cinematograph Advertising Syndicate, Limited, of 62, Chancery Lane, in the County of London, England. Kinematograph. [The Automatonograph Company, Limited—L. E. Granichstaedten.] 26th September, 1904.

The Patent Brick Company of New Zealand, Limited, a company incorporated under "The Companies Act, 1882," and its amendments, and having its registered office in the City of Wellington and Colony of New Zealand.

No. 14150.—Manufacture of building blocks or bricks. [Baron Victor Barreto.] 15th September, 1904.

No. 14866.—Slaking lime. [E. J. Parrott.] 15th September, 1904.

No. 17599.—The British Westinghouse Electric and Manufacturing Company, Limited, of Westinghouse Building, Norfolk Street, in the City of Westminster, England, Manufacturers. System of electrical distribution. [W. E. Hughes—The British Westinghouse Electric and Manufacturing Company, Limited—P. M. Lincoln.] 21st September, 1904.

No. 17619.—The British Westinghouse Electric and Manufacturing Company, Limited, of Westinghouse Building, 2, Norfolk Street, Strand, London, England, Manufacturers. Electrical distribution. [W. E. Hughes—The British Westinghouse Electric and Manufacturing Company, Limited—J. S. Peck.] 27th September, 1904.

Nos. 17626, 17627, 17628.—George Westinghouse, of Westinghouse Building, Pittsburg, Pennsylvania, United States of America, Manufacturer. Fluid-pressure turbine. [J. P. Campbell—G. Westinghouse.] 20th September, 1904.

No. 17844.—La Société Anonyme Westinghouse, of 45, Rue de l'Arcade, Paris, France, Manufacturers, and Maurice Leblanc, of Villa Montmorency, Auteuil, Paris, France, Engineer. Cooling-apparatus. [W. E. Hughes—M. Leblanc.] 21st September, 1904.

No. 17872.—The British Westinghouse Electric and Manufacturing Company, Limited, of Westinghouse Building, 2, Norfolk Street, Strand, London, England, Manufacturers. Varying voltage of alternating currents. [W. E. Hughes—The British Westinghouse Electric and Manufacturing Company, Limited—H. R. Stuart.] 21st September, 1904.

No. 17875.—The British Westinghouse Electric and Manufacturing Company, Limited, of Westinghouse Building, Norfolk Street, Strand, in the City of Westminster, England, Manufacturers. Prepayment electrical measuring instruments. [J. P. Campbell—F. Conrad.] 27th September, 1904.

F. WALDEGRAVE,  
Registrar.

*Request for Correction of Clerical Error in Application for Letters Patent.*

NO. 18271.—W. G. Rifenburg.—Muller and amalgamator. (Advertised in Supplement to *New Zealand Gazette*, No. 77, of the 15th September, 1904.)

In claim 7, line 5, after "die" to insert "the said central opening of the die"; and, lines 8 and 9, to strike out "having an inclined inner face, the upper face of the die."

F. WALDEGRAVE,  
Registrar.

*Requests to Correct Clerical Errors allowed.*

THE requests to correct clerical errors in the under-mentioned applications for Letters Patent have been allowed:—

No. 16889.—A. Thompson, animal-cover. (Advertised in Supplement to *New Zealand Gazette*, No. 59, of the 7th July, 1904.)

No. 17461.—S. F. Clare, fitting handle to axe-head. (Advertised in Supplement to *New Zealand Gazette*, No. 49, of the 9th June, 1904.)

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 15th to the 28th September, 1904, inclusive:—

No. 17244.—S. Nicolson, inner tube for cycles.  
No. 17245.—A. J. Cadman, retort. (J. Lyle.)

No. 17246.—A. J. Cadman, smokeless-fuel briquettes. (J. Lyle.)

No. 17250.—J. Harris, incubator.

No. 17251.—L. A. Walsh, fish-hook.

No. 17254.—J. W. Thomas and C. O. McCutcheon, sinking well.

No. 17262.—C. S. Henderson, pivoting swinging mirror.

No. 17271.—T. Wilson and I. Grammer, rail-joint.

No. 17274.—A. Miller and F. W. Barton, rail-joint.

No. 17276.—R. Holland, pin for shoes of traction-engine.

No. 17277.—J. C. Williams, washing-tablet.

No. 17282.—F. Newson, game.

No. 17289.—H. M. Sargent and A. Littleproud, printing name on glass panel of vehicle.

No. 17290.—W. R. Walker, working knee-pad.

No. 17291.—T. W. May, water-closet cistern.

No. 17292.—L. J. Barnes, broom-handle connection.

No. 17295.—B. Moss, candle adjustment.

No. 17296.—W. Stokes, jun., graphophone reproducer.

No. 17298.—J. Petford, water-tank and cooling-chamber.

No. 17299.—A. McLeod, marking-stamp.

No. 17300.—J. Arnaboldi, brake for tram-car.

No. 17301.—New Zealand Mitre Machine Company, Limited, rests of mitre-cutter. (R. Dunne.)

No. 17305.—A. L. Hewton, sash raiser and lock. (J. O. Hewton.)

No. 17306.—J. W. Hardy and T. I. Wright, cistern supply and discharge.

No. 17311.—B. R. Garrett, trolley-arm rollers.

No. 17312.—J. Robertson, driving mechanism of ditch-plough elevator.

No. 17325.—R. L. Christie, plough-scoop.

F. WALDEGRAVE,  
Registrar.

*Application for Letters Patent void.*

APPLICATION for Letters Patent, with which complete specification has been lodged, void, owing to non-acceptance of such complete specification, from the 15th to the 28th September, 1904, inclusive:—

No. 16550.—W. G. Meddings, incubator.

F. WALDEGRAVE,  
Registrar.

*Applications for Letters Patent lapsed.*

LIST of applications lapsed owing to Letters Patent not being sealed, from the 15th to the 28th September, 1904, inclusive:—

No. 15978.—F. W. Barton, trap.

No. 16102.—W. A. J. Dutch and C. H. Barton, ball valve for water-cistern.

No. 16113.—C. C. Neal, cow's tail holder.

No. 16136.—A. L. Heighton, boot-heel.

No. 16151.—A. W. Elder, rood scoop and grader.

F. WALDEGRAVE,  
Registrar.

*Letters Patent void.*

LETTERS Patent void through non-payment of renewal fees from the 15th to the 28th September, 1904, inclusive:—

*THROUGH NON-PAYMENT OF SECOND-TERM FEES.*

No. 12702.—G. A. Coles, military boot or shoe.

No. 12706.—T. M. Bryant, easy chair.

No. 12707.—T. F. Tierney, rotary churn.

No. 12709.—J. C. Pelton and L. E. Mosher, building construction.

No. 12710.—A. J. Webb, information-conveying label.

No. 12711.—R. P. Grant, water-race cleaner.

No. 12713.—W. E. Gladstone and W. Taylor, gold-saving appliance.

No. 12714.—J. B. Leatherbarrow and T. B. Margetts, harvester.

No. 12715.—H. Marshall, head-rest for barber's chair.

No. 12717.—H. Rose and W. Hockin, gravity wheel.

No. 12718.—E. Maxwell, maintaining uniform tension on wire ropes.

No. 12720.—J. Y. Buchanan, electric cable.

No. 12721.—R. K. Gray, electric cable.

No. 12723.—The Intractable Ore Treatment Company, Limited, treating ores. (T. N. Beavan—E. Petersson.)

No. 12724.—A. W. Maconochie, connecting together provision-tins.

No. 12734.—H. S. Durand and R. K. McLellan, stuffing-boxes.

No. 12735.—H. S. Durand, stuffing-boxes.  
No. 12746.—A. M. McNeill, staple-extractor.

THROUGH NON-PAYMENT OF THIRD-TERM FEES.

No. 9617.—T. Hawke, rotary subsoiler skeith attachment to plough.

No. 9626.—T. C. Thomson, banjo.

F. WALDEGRAVE,  
Registrar.

*Design registered.*

A DESIGN has been registered in the following name on the date mentioned:—

No. 218.—Thomas Wilson, jun., of Islington, in the Colony of New Zealand. Class 3. 12th September, 1904.

F. WALDEGRAVE,  
Registrar.

*Applications for Registration of Trade Marks.*

Patent Office,  
Wellington, 28th September, 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: 4821.

Date: 18th July, 1904.

TRADE MARK.

The words

**THE NIGGER.**

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

NAME.

A. TYREE AND Co., LIMITED, of Lichfield Street, Christchurch, New Zealand, Leather, Grindery, and Machinery Merchants.

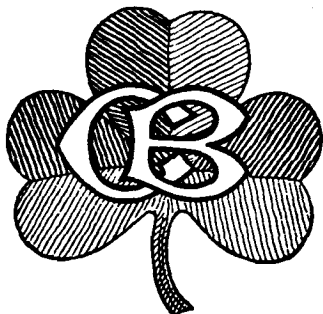
No. of class: 50.

Description of goods: A polish for boots, shoes, and leather generally.

No. of application: 4882.

Date: 23rd August, 1904.

TRADE MARK.



NAME.

GEORGE BONNINGTON, of High Street, Christchurch, New Zealand, Chemist.

No. of class: 3.

Description of goods: Chemical substances prepared for use in medicine and pharmacy, such as medicated articles, patent medicines.

No. of application: 4883.

Date: 25th August, 1904.

TRADE MARK.



The applicants claim that the said trade mark has been in use by George Annear Creeth and his predecessors in business in respect of the articles mentioned from 1886.

NAME.

GEORGE ANNEAR CREETH AND Co., of Auckland, New Zealand, Importers, successor to W. J. Beale and Co.

No. of class: 6.

Description of goods: Sewing-machines.

No. of application: 4898.

Date: 1st September, 1904.

TRADE MARK.



The essential particulars of this trade mark are the devices and the words "Harvest Queen"; and any right to the exclusive use of the added matter is disclaimed.

NAME.

BATES, SISE, AND Co., of 7, Bond Street, Dunedin, New Zealand, Merchants.

No. of class: 42.

Description of goods: Cornflour.



No. of application : 4907.

Date : 10th September, 1904.

TRADE MARK.



The essential particular of this trade mark is the compound word "Meadow-Gold"; and any right to the exclusive use of the words "Creamery Butter" is disclaimed.

NAME.

THE NEW ZEALAND DAIRY ASSOCIATION, LIMITED, of Auckland, New Zealand.

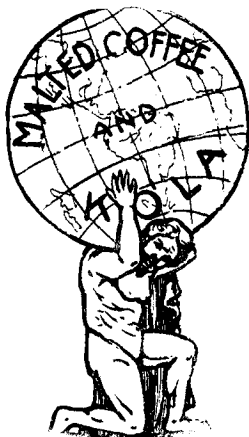
No. of class : 42.

Description of goods : Butter.

No. of application : 4908.

Date : 12th September, 1904.

TRADE MARK.



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

NAME.

WALTER BAXENDALE GIESEN, Land Agent, and WILLIAM ARTHUR LIZARD, Solicitor, both of Wanganui, in the Colony of New Zealand.

No. of class : 42.

Description of goods : Malted coffee and kola.

B

No. of application : 4909.

Date : 12th September, 1904.

TRADE MARK.

The word

MARAVILLA.

NAME.

A. S. PATERSON AND Co. (trading under the style of "The South British Packing Company"), of Wellington, New Zealand, Merchants.

No. of class : 42.

Description of goods : Tea.

No. of application : 4912.

Date : 13th September, 1904.

TRADE MARK.

The word

"TOMTOM."

NAME.

HENRY GEORGE BLACKIE, of 28, Shortland Street, Auckland, New Zealand.

No. of class : 42.

Description of goods : Tea and coffee.

No. of application: 4915.  
Date: 15th September, 1904.

TRADE MARK.



The essential particulars of this trade mark are the combination of devices and the words "Civil Service"; and any right to the exclusive use of the added matter is disclaimed.

NAME.

DUDGEON AND ARNELL PROPRIETARY, LIMITED, of 524-534, Lonsdale Street, in the City of Melbourne, in the County of Bourke, in the State of Victoria, in the Commonwealth of Australia, Tobacco-manufacturers.

No. of class: 45.  
Description of goods: Tobacco, cigars, and snuff.

No. of application: 4916.  
Date: 15th September, 1904.

TRADE MARK.

The words

**HERB EXTRACT.**

The applicants claim that the said trade mark has been in use by them and their predecessor in business in respect of the article mentioned from before 1890.

NAME.

P. BOCK AND Co., of Custom Street West, Auckland, New Zealand, Manufacturing Chemists.

No. of class: 3.  
Description of goods: Toothache remedy.

No. of application: 4918  
Date: 15th September, 1904.

TRADE MARK.



NAME.

ADOLPH LEIBNER, of Fink's Buildings, 6A, Elizabeth Street, Melbourne, in the State of Victoria, Commonwealth of Australia, Importer.

No. of class: 42.  
Description of goods: Cocoa chocolate, and confectionery.

No. of application: 4919.  
Date: 16th September, 1904.

TRADE MARK.

The word

**"CHAMPION."**

NAME.

SMITH AND SMITH, LIMITED, of Dunedin, Otago, New Zealand.

No. of class: 3.  
Description of goods: Egg-preservative.

No. of application: 4920.  
Date: 16th September, 1904.

TRADE MARK.

The word

**FOSFOGRIT.**

NAME.

KEMPTHORNE, PROSSER, AND Co's. NEW ZEALAND DRUG COMPANY, LIMITED, of Dunedin, Christchurch, Wellington, and Auckland, New Zealand.

No. of class: 2.  
Description of goods: Medicines for poultry.

No. of application: 4921.  
Date: 16th September, 1904.

TRADE MARK.

The word

**FOSFOGRIT.**

NAME.

KEMPTHORNE, PROSSER, AND Co's. NEW ZEALAND DRUG COMPANY, LIMITED, of Dunedin, Christchurch, Wellington, and Auckland, New Zealand.

No. of class: 42.  
Description of goods: Foods and grits for poultry.

No. of application: 4922.  
Date: 16th September, 1904.

TRADE MARK.

The word

**SULFARILLA.**

NAME.

KEMPTHORNE, PROSSER, AND Co's. NEW ZEALAND DRUG COMPANY, LIMITED, of Dunedin, Christchurch, Wellington, and Auckland, New Zealand.

No. of class: 3.  
Description of goods: Patent medicines, in the form of tablets or pills, or any other form.

No. of application: 4923.  
Date: 16th September, 1904.

## TRADE MARK.

The word

**ENSIGN.**

## NAME.

HENRY ORVIN CARTER, of Belleknowes, Dunedin, New Zealand, Manufacturer.

2570

No. of class: 42.

Description of goods: Substances used as food or as ingredients in food.

No. of application: 4924.  
Date: 19th September, 1904.

## TRADE MARK.

The word

**"REX."**

## NAME.

L. CASELBERG AND Co., of Johnston Street, Wellington, New Zealand, Merchants.

No. of class: 45.  
Description of goods: Tobacco, cigars, and cigarettes.

No. of application: 4925.  
Date: 20th September, 1904.

## TRADE MARK.

The word

**MULYPTOL**

## NAME.

AUSTRALIAN EUCALYPTUS CHEMICAL COMPANY, of 19, Mansion House Chambers, 11, Queen Victoria Street, London, England, Manufacturing Chemists.

No. of class: 3.  
Description of goods: Eucalyptus oil or oils.

No. of application: 4929  
Date: 22nd September, 1904.

## TRADE MARK.

The word

**REGAL.**

## NAME.

THE REGAL SHOE COMPANY, of 105, Summer Street, Boston, Massachusetts, a corporation established under the laws of Massachusetts, United States of America.

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

No. of application: 4930.  
Date: 22nd September, 1904.

## TRADE MARK.

**WHILE I LIVE I'LL GROW**

## NAME.

W. DIMOCK AND Co., LIMITED, of Waterloo Quay, Wellington, New Zealand, Ham and Bacon Curers.

No. of class: 42.  
Description of goods: Substances used as food or as ingredients in food.

F. WALDEGRAVE,  
Registrar.

*Trade Marks registered.*

LIST of Trade Marks registered from the 14th to the 28th September, 1904, inclusive:—  
No. 3747; 4809.—J. King. Class 47. (*Gazette* No. 59, of the 7th July, 1904.)  
No. 3748; 4713.—I. and R. Morley. Class 38. (*Gazette* No. 59, of the 7th July, 1904.)  
No. 3750; 4789.—D. Benjamin and Co. Class 45. (*Gazette* No. 59, of the 7th July, 1904.)  
No. 3751; 4792.—Bycroft and Co. Class 22. (*Gazette* No. 59, of the 7th July, 1904.)  
No. 3752; 4784.—T. McKie. Class 38. (*Gazette* No. 59, of the 7th July, 1904.)  
No. 3753; 4762.—Sargood, Son, and Ewen. Class 12. (*Gazette* No. 54, of the 23rd June, 1904.)  
No. 3754; 4746.—J. Hall and Co., Limited. Class 42. (*Gazette* No. 59, of the 7th July, 1904.)  
No. 3755; 4803.—Warnock Bros. Class 47. (*Gazette* No. 59, of the 7th July, 1904.)  
No. 3756; 4804.—Warnock Bros. Class 47. (*Gazette* No. 59, of the 7th July, 1904.)  
No. 3757; 4789.—F. W. Whitcher. Class 40. (*Gazette* No. 59, of the 7th July, 1904.)  
No. 3758; 4026.—The Preservaline Manufacturing Company. Class 2. (*Gazette* No. 2, of the 8th January, 1903.)  
No. 3759; 4805.—A. Coxon. Class 47. (*Gazette* No. 62, of the 21st July, 1904.)  
No. 3760; 4806.—A. Coxon. Class 48. (*Gazette* No. 62, of the 21st July, 1904.)  
No. 3761; 4617.—F. Wolf and Sohn. Class 48. (*Gazette* No. 28, of the 31st March, 1904.)  
No. 3762; 4618.—F. Wolf and Sohn. Class 48. (*Gazette* No. 28, of the 31st March, 1904.)  
No. 3763; 4620.—F. Wolf and Sohn. Class 48. (*Gazette* No. 28, of the 31st March, 1904.)  
No. 3764; 4786.—Neill and Co., Limited. Class 47. (*Gazette* No. 59, of the 7th July, 1904.)  
No. 3765; 4787.—Neill and Co., Limited. Class 50. (*Gazette* No. 59, of the 7th July, 1904.)  
No. 3766; 4754.—R. Whiley, jun., and F. Whiley. Class 3. (*Gazette* No. 62, of the 21st July, 1904.)  
No. 3767; 4765.—Lonsdale Bros. and Co. Class 14. (*Gazette* No. 62, of the 21st July, 1904.)  
No. 3768; 4774.—Lonsdale Bros. and Co. Class 10. (*Gazette* No. 62, of the 21st July, 1904.)  
No. 3769; 4798.—W. N. Bates. Class 50. (*Gazette* No. 62, of the 21st July, 1904.)  
No. 3770; 4806.—J. Nathan and Co. Class 42. (*Gazette* No. 62, of the 21st July, 1904.)  
No. 3771; 4794.—J. R. Patterson. Class 42. (*Gazette* No. 62, of the 21st July, 1904.)  
No. 3772; 4810.—Marshall's Chemical Company, Limited. Class 42. (*Gazette* No. 62, of the 21st July, 1904.)

F. WALDEGRAVE,  
Registrar.

*Trade Mark Renewal Fee paid.*

**F**EE paid for the renewal of the undermentioned Trade Mark for fourteen years from the date first mentioned:—

No. 108/128.—2nd September, 1904.—C. B. and E. B. Young, of Adelaide, South Australia. 20th September, 1904.

F. WALDEGRAVE,  
Registrar.

*Subsequent Proprietors of Trade Marks registered.*

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

**N**OS. 87/925, 1604/1327, 3717/2906, 3718/2907, 4151/3551.  
—James Buchanan and Co., Limited, of the Black Swan Distillery, 26, Holborn, England, Whisky Distillers and Blenders. [J. Buchanan, trading as "J. Buchanan and Co." 13th September, 1904.

No. 87/1037.—Valvoline Oil Company, a corporation of the State of New Jersey, carrying on business in the City and State of New York, in the United States of America. [Leonard and Ellis.] 27th September, 1904.

Nos. 2654/2093, 2655/2113, 2656/2114, 2657/2115, 2659/2094, 2922/2315, 3198/2519, 3503/2694, 3593/2774, 3594/2775, 3596/2777, 3597/2778, 3598/2779, 3599/2780, 3600/2781, 3601/2782.—British-American Tobacco Company, Limited, whose registered office is situate at Cecil Chambers, 86, Strand, London, England, Tobacco-manufacturers. [Salmon and Gluckstein, Limited.] 26th September, 1904.

F. WALDEGRAVE,  
Registrar.

*Requests for Correction of Clerical Error in Applications for Trade Marks.*

**N**O. 4635.—J. M. MacLulich. (Advertised in Supplement to the *New Zealand Gazette*, No. 28, of the 31st March, 1904.)

To alter the name of the applicant from "MacLulich" to "MacLulich."

No. 4470.—R. Mathews and Co., Limited. (Advertised in Supplement to the *New Zealand Gazette*, No. 54, of the 23rd June, 1904.)

To strike out the words "Wines and" from the statement of goods.

No. 4622.—F. Wolff and Sohn. (Advertised in Supplement to *New Zealand Gazette*, No. 28, of the 31st March, 1904.)

To alter the word "Kalisto" in the mark to "Kallisto."

F. WALDEGRAVE,  
Registrar.

*Applications for Trade Marks withdrawn.*

**N**O. 4749.—J. Barr. (Advertised in Supplement to *New Zealand Gazette*, No. 74, of the 1st September, 1904.)

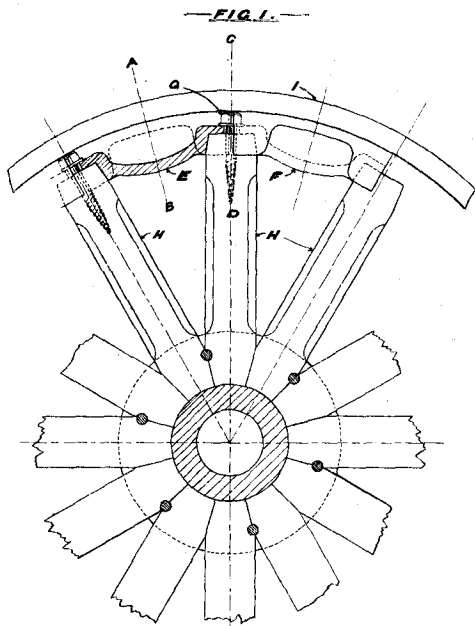
No. 4811.—W. Sorenson. (Advertised in Supplement to *New Zealand Gazette*, No. 62, of the 21st July, 1904.)

F. WALDEGRAVE,  
Registrar.

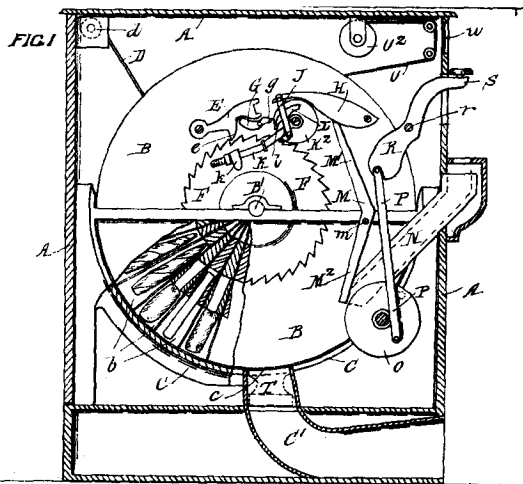
By Authority: JOHN MACKAY, Government Printer, Wellington.

# ILLUSTRATIONS OF INVENTIONS.

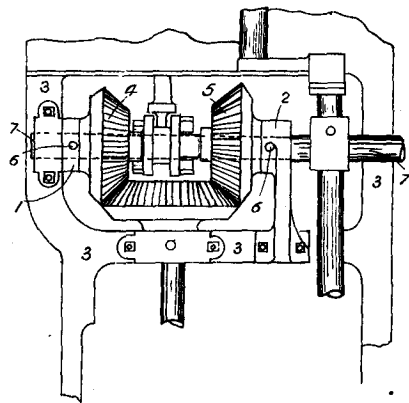
[These illustrations refer to the complete specifications accepted, and advertised in this *Gazette*.]



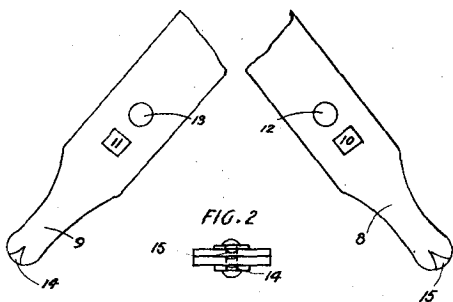
17257  
P. and D. Duncan, Limited. Wheel.



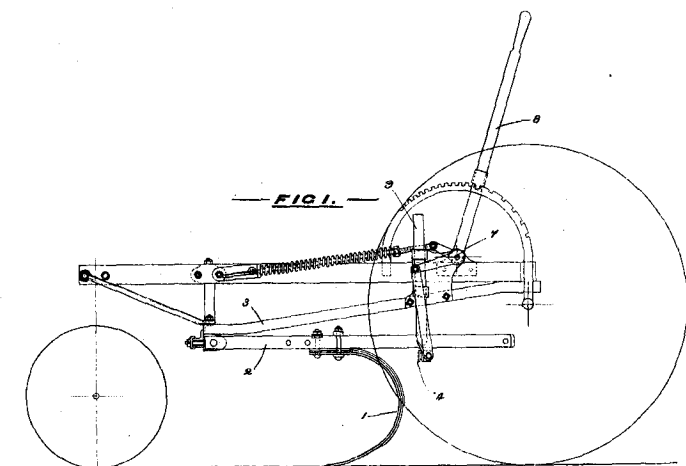
17303  
Horrocks. Vending-machine.



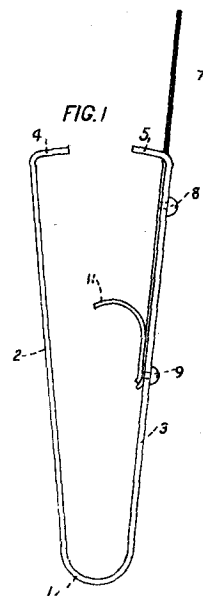
17335  
Naukivell. Pinion-oiler.



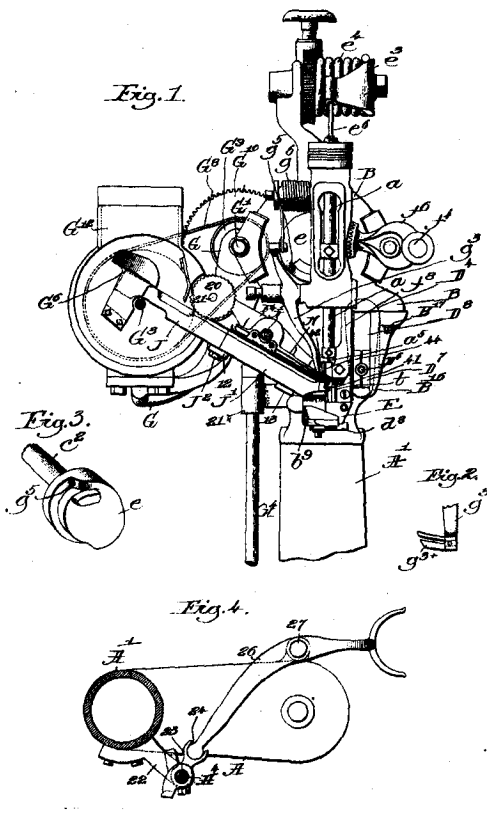
17324  
J. and T. R. Christie. Wire-strainer. (Borlase.)



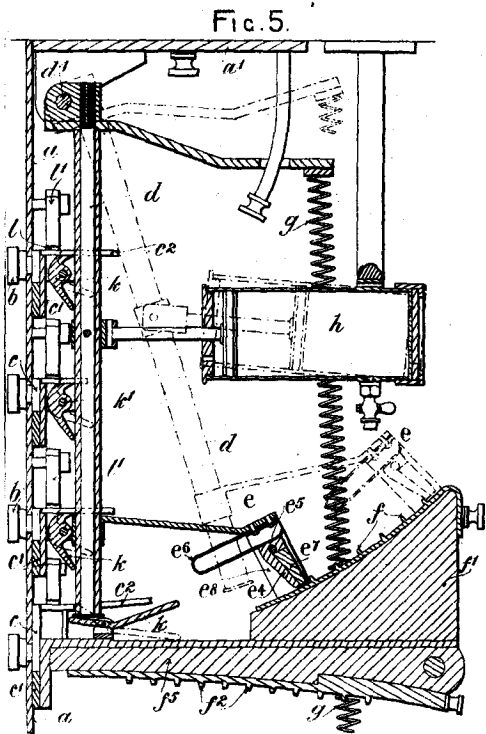
17256  
P. and D. Duncan, Limited. Cultivator.



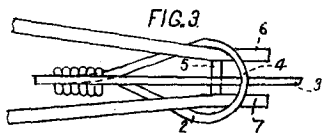
17322  
Stauden. Lamb Cutter and Tailer.



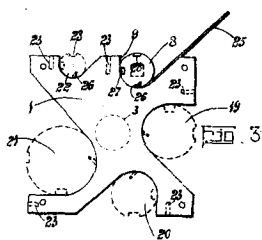
17380  
United Shoe Machinery Company. Loose Nailers. (Goddin.)



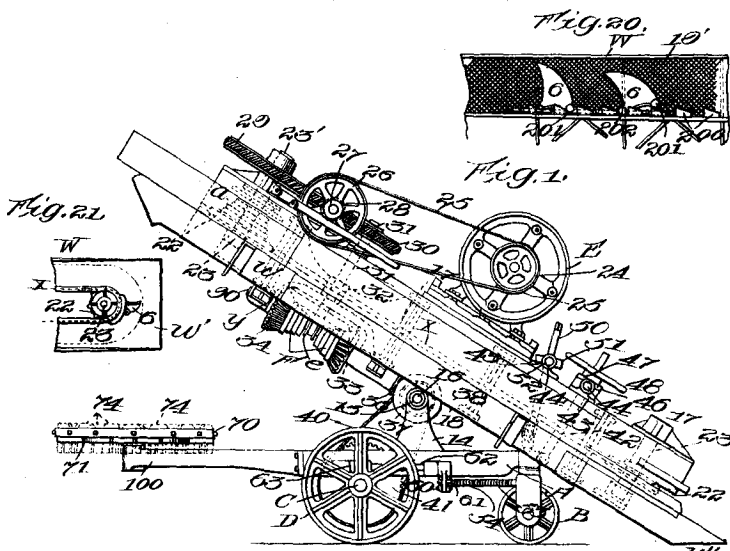
18326  
Guess. Cash-check.



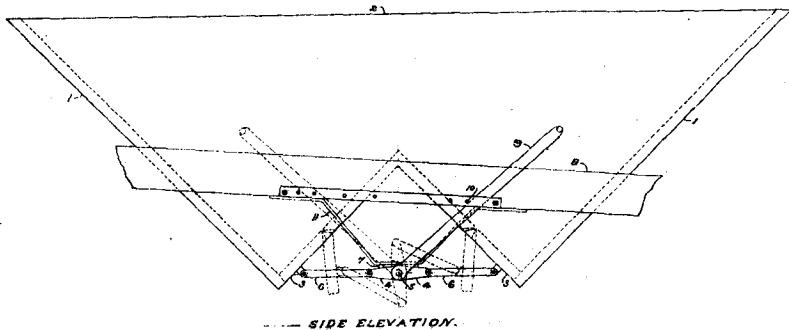
17374  
J. and T. R. Christie. Wire-strainer. (Borlase.)



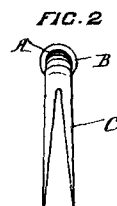
17388  
Hement. Pipe-manufacturer.



18323  
Park. Ore-loader.

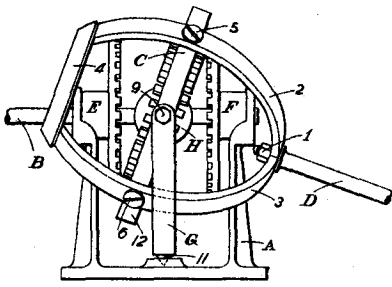


18042  
P. and D. Duncan, Limited. Dumping and Spreading Wagon. (Keir.)

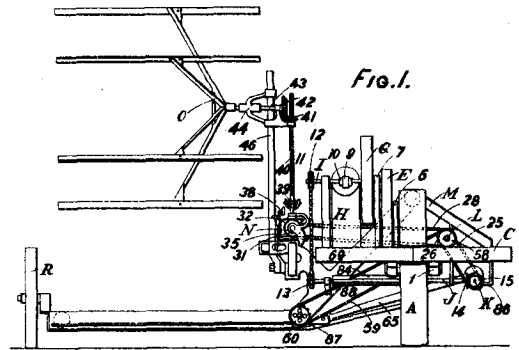


18339  
McMaster. Turnip-trimmer.

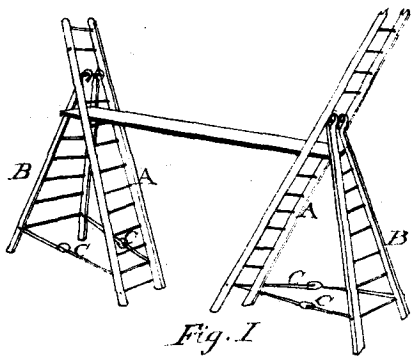
FIG. 1.



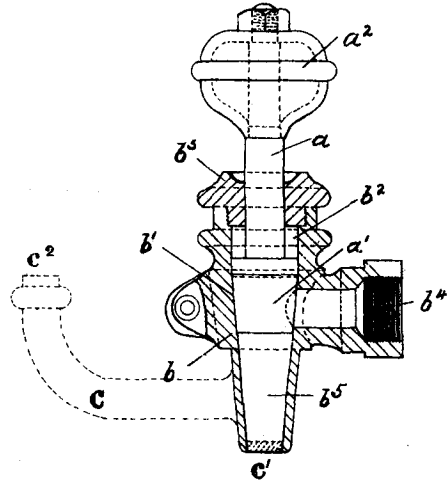
18327  
Buck. Power-transmitter.



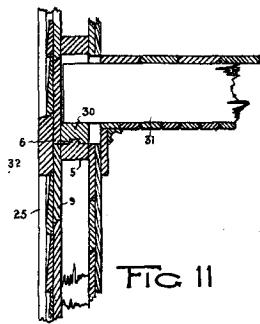
18328  
Tehan. Reaper and Binder.



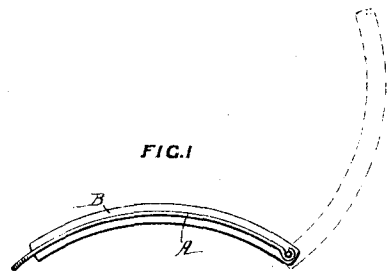
18345  
Stokol. Ladder.



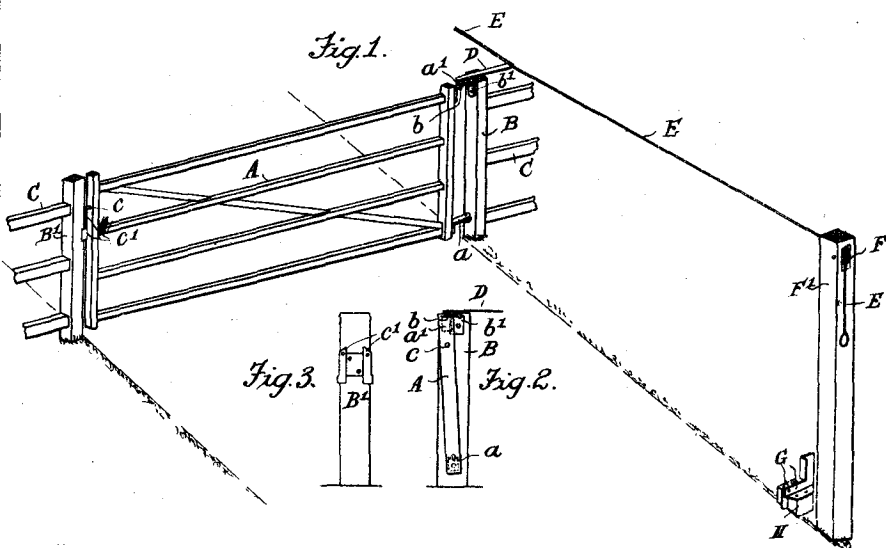
18346  
Mitchell. Cock.



18361  
Mahony. Wall-sections.

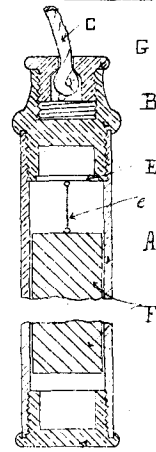


18372  
Allen. Hair-curler.

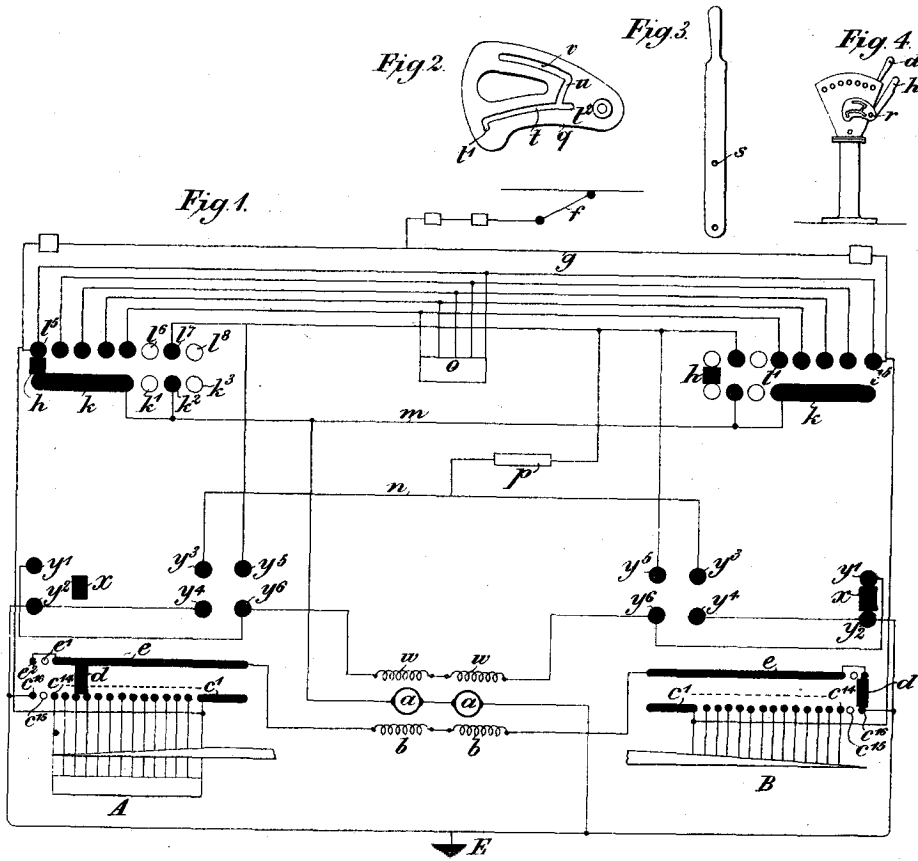


18369  
McNeill. Gate.

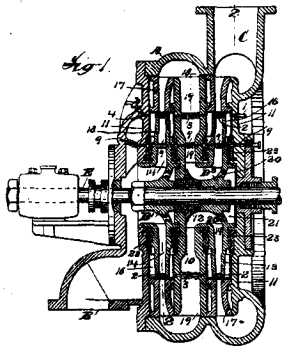
FIG. 2.



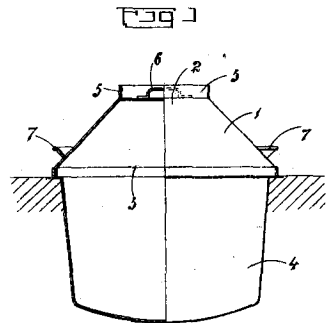
18330  
Richmond. Disease-treating Apparatus.



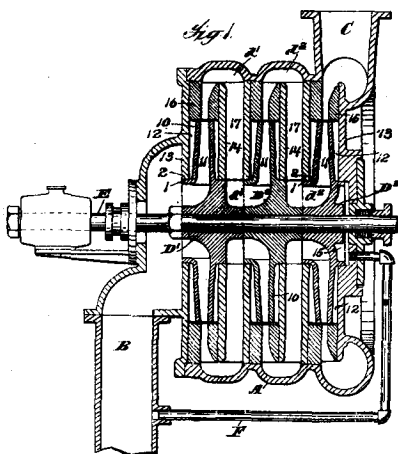
18376  
Raworth. Electrically-propelled Vehicle.



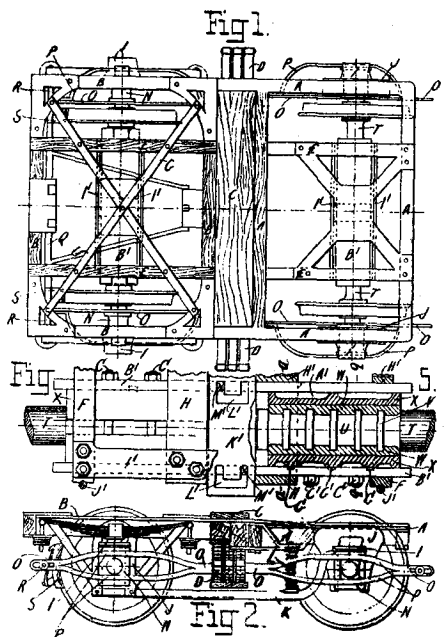
18367  
Henry R. Worthington. Centrifugal Turbine-pump. (Ray.)



18379  
Stevenson. Boiler-cover, Tub, and Clothes-carrier.



18366  
Henry R. Worthington. Centrifugal Turbine-pump. (Ray.)



18362  
Hinton. Spread of Wheels-controller.