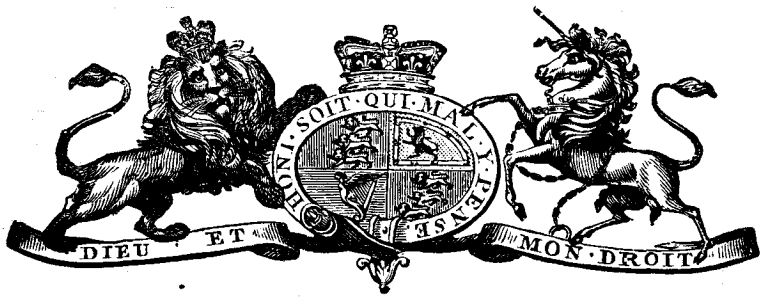


SUPPLEMENT

TO THE

NEW ZEALAND GAZETTE

OF

THURSDAY, FEBRUARY 7, 1907.

Published by Authority.

WELLINGTON, THURSDAY, FEBRUARY 7, 1907.

CONTENTS.

International and Intercolonial Arrangements for the Mutual Protection of Inventions.

International Convention.

THE following countries now belong to the Convention:—

Belgium.	Mexico.
Brazil.	New Zealand.
Ceylon.	Norway.
Cuba.	Portugal, with the Azores and Madeira.
Denmark.	Servia.
Dominican Republic.	Spain.
France, with Algeria and Colonies.	Sweden.
Germany.	Switzerland.
Great Britain.	Tunis.
Italy.	United States of America.
Japan.	

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, with text (in English), of such Additional Act, 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.

Patents Supplement to Gazette.

PERSONS interested in Patents, Designs, and Trade Marks will find valuable information about such matters in the Patents Supplement to the *Gazette*, issued fortnightly. Each number contains a list of applications for patents during the current fortnight, claims and drawings of complete specifications that have been accepted, lists of trade marks and designs registered, latest official information, &c.

Single copy: Price, 6d. } Postage included.
Annual subscription: 10s. }

Obtainable from the Government Printer, Wellington.

Patent Publications in New Zealand.

THE following publications relating to Patents for inventions, &c., are open to inspection in the colony:—

WELLINGTON.—PATENT OFFICE LIBRARY.

United Kingdom.

The full text of the specifications and complete drawings of inventions patented from the year 1617 up to the 25th October, 1906.
Classified illustrated abridgments of inventions from 1855 to 1904.
Illustrated Official Journal, containing lists of recent applications, abridgments of inventions for which patents have been lately granted, patents void, &c., to December, 1906.
Index of Applicants.
Subject-matter Index.
Commissioner of Patents Journal, &c.(a).
Trade Marks Journal to October, 1906.

Canada.

Patent Office Record (containing illustrated abridgments of inventions, &c.) to 31st May, 1906.

Australia.

The full text of the specifications and complete drawings in respect of applications accepted from the 11th January to the 20th February, 1906, inclusive.
The Official Journal of Patents of the Australian Commonwealth (containing lists of applications for letters patent, abridgments of complete specifications accepted, &c.).
The Australian Official Journal of Trade Marks (containing lists of applications for registration of trade marks, &c.).
Specifications, drawings, abridgments, and indexes of Victoria, New South Wales, Queensland, and South Australia(b).

United States.

The Official Gazette of the United States Patent Office (containing illustrated abridgments of specifications, &c.) to the 6th November, 1906.

Mexico.

The Official Gazette of the Patent and Trade Mark Office.

General.

La Propriété Industrielle (the official organ of the International Bureau of the Union for the Protection of Industrial Property).
Patent laws of the world.
Patent and Trade Mark Review.
Text-books and handbooks on patents and trade marks.

AUCKLAND.—PUBLIC LIBRARY.

United Kingdom.

Classified abridgments of inventions from 1855 to 1904.
Illustrated Official Journal from 1897 to date.

Canada.

Patent Office Record (containing illustrated abridgments of inventions, &c.) from 1897 to date.

Australia.

The Official Journal of Patents from 1905 to date.

United States.

The Official Gazette of the United States Patent Office (containing illustrated abridgments of specifications, &c.) from 1885 to 1887 and 1890 to 1895.

(a) Discontinued.
(b) In arrear. Not now being printed.

CHRISTCHURCH.—PUBLIC LIBRARY.

United Kingdom.

Classified abridgments of inventions from 1855 to 1904.
Illustrated Official Journal from October, 1905, to date.

Canada.

Patent Office Record (containing illustrated abridgments of inventions, &c.) from 1897 to date.

Australia.

The Official Journal of Patents from 1905 to date.

DUNEDIN.—TOWN HALL.

United Kingdom.

Classified abridgments of inventions from 1855 to 1904.
Illustrated Official Journal from October, 1905, to date.

Australia.

The Official Journal of Patents from 1905 to date.

Books and Documents open to Inspection at Patent Office, Wellington.

THE following documents and books are open to public inspection at the Patent Office:—

PATENTS.

(Fee for each search or inspection, not exceeding one hour, 1s.)

1. The files relating to all applications for letters patent in respect of which complete specifications have been accepted.
2. Classified copies of specifications and drawings, with index and key(a).
3. Register of Applications for Letters Patent.
4. Register of Patents.
5. Register of Subsequent Proprietors of Letters Patent(b).
6. Index of Patentees(c).
7. Index of Proprietors of Letters Patent granted prior to 1890(d).
8. Index of Specifications(e).

DESIGNS.

(Search fee, 1s. each quarter of an hour.)

1. Register of Designs, with Index of Names of Proprietors.
2. Classified Representations of Designs in respect of which Copyright has expired.
3. Index of Designs.

TRADE MARKS.

(Search fee, 1s. each quarter of an hour.)

1. The files relating to all applications for registration of trade marks.
2. Register of Applications for Registration of Trade Marks.
3. Register of Trade Marks.
4. Index of Applicants for Registration of Trade Marks(f).
5. Index of Trade Marks.
6. Classified Representations of Trade Marks, with indexes.

MISCELLANEOUS.

Register of Patent Agents.

FORMS AND PUBLICATIONS.

The following forms, &c., may be had on application at the Patent Office, Wellington, or at any of the local Patent Offices named below:—
Application for letters patent.
Provisional specification.
Complete specification and copy thereof.
Application for registration of design.
Application for registration of trade mark.
Applications for extension of time.
Requests by subsequent proprietor to enter name on Register of Patents and Trade Marks.
Printed sheets of information as to fees and procedure to obtain letters patent and to register a trade mark(g).
Pamphlet containing Act and Regulations (price 1s.).

(a) Key is in card index.
(b) This Register contains only names of subsequent proprietors of letters patent granted prior to 1st January, 1890; since that date they appear in Register of Patents.
(c) Includes all names of applicants, &c., and consists of four volumes to 4th November, 1903, and card index since that date. A separate card index is kept for current quarter.
(d) The names of proprietors of subsequent letters patent appear in the Index of Patentees.
(e) Contains classified abridgments of specifications from 1861, with extracts from drawings from July, 1904.
(f) Names of applicants for registration and proprietors of trade marks are indexed at the beginning of the Registers up to 31st December, 1889; in separate volume up to 5th September, 1904; and since the latter date in card index.
(g) May also be obtained at any local Patent Office or money-order office.

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

Annual reports of the Registrar, containing alphabetical lists of applicants for letters patent and of inventions patented from 1889 to 1905 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 supplying forms and for receiving applications for transmission to the Patent Office *without extra charge* have been established at the following places:—

Auckland Gisborne Napier Nelson Blenheim Christchurch Dunedin	Supreme Court Offices.
Thames Wanganui Greymouth Timaru Oamaru Ashburton New Plymouth Westport Hokitika Invercargill Queenstown	District Court Offices.

PATENT AGENTS.

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

Patent Office Agent appointed.

Department of Justice,
Wellington, 6th February, 1907.

HIS Excellency the Governor has been pleased to appoint

ANDREW JAMES THOMPSON

to be Patent Office Agent at Queenstown, as from the 1st January, 1907.

J. McGOWAN.

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 cases where the applicant is not the inventor the name of the latter appears in italics after the title.)

No. 22332.—23rd January.—F. G. Philpott, Lindenow, Vic.
Washboard.*

No. 22333.—23rd January.—R. B. Topp, St. Omer, N.Z.
Liquid gauge for oil-engine.

No. 22334.—23rd January.—T. Whitehorn, Coburg, Vic.
Packing predetermined quantities in bags.

No. 22335.—23rd January.—J. W. Dalton, Sandwich, U.S.A.
Breeches buoys.*

No. 22336.—23rd January.—W. E. Hughes, Wellington, N.Z.
Wave-motor.* (*F. Starr.*)

No. 22337.—23rd January.—A. S. Francis, London, Eng.
Gas-lamp for inverted incandescent burner.*

No. 22338.—23rd January.—J. Hines, London, Eng., and T. Coleman, Derby, Eng.
Distributing liquids on roads.*

No. 22339.—23rd January.—R. Brown, Westminster, Eng.
Switches for electric traction.*
(Date applied for under section 106, 24th January, 1906.)

No. 22340.—23rd January.—W. George, Invercargill, N.Z.
Milking-pail.*

No. 22341.—23rd January.—The Chemical Industrial Syndicate (Limited), London, Eng.
Manufacture of matches and igniting-surface therefor.* (*L. Stange.*)

No. 22342.—23rd January.—British-American Tobacco Company, Limited, London, Eng.
Mouthpiece cigarette machine.* (*F. Malocsay.*)

No. 22343.—23rd January.—H. J. West and Co., Limited, Surrey, Eng.
Chilling and carbonating beer.* (*L. Chew.*)

No. 22344.—23rd January.—W. C. Bradshaw, Christchurch, N.Z.
Plaster.

No. 22345.—23rd January.—G. W. Berry, Moonee Ponds, Vic.
Soldering ends of cans.

No. 22346.—23rd January.—M. Robertson, Fitzroy, Vic.
Manufacturing coated articles—*e.g.*, chocolate confections.*

No. 22347.—23rd January.—H. R. Lees, Daylesford, Vic.
Potato-harvester.*

No. 22348.—23rd January.—F. S. Buckingham, N. Carlton, Vic.
Animal-trap.

No. 22349.—23rd January.—J. Gascard and R. Shimmen, Ballan, Vic.
Grading and cleaning potatoes, &c.

No. 22350.—23rd January.—J. Higgison, jun., Greytown N., N.Z.
Retaining in position teat-cup mouthpieces.

No. 22351.—24th January.—F. Raven, Korumburra, Vic.
Milking-machine and connections.

No. 22352.—24th January.—W. F. Cropley (of firm of J. Cropley and Sons), Sydney, N.S.W.
Boot or shoe.*

No. 22353.—24th January.—C. C. Bullock, Sydney, N.S.W.
Capture of rabbits, &c.*

No. 22354.—24th January.—J. Aivaz, St. Petersburg, Russia.
Dividing-table for punching-press.* (*J. Aivaz and T. Poljakoffkoutnnoff.*)

No. 22355.—24th January.—J. E. Williams, Greymouth, N.Z.
Game.*

No. 22356.—25th January.—A. H. Byron and R. R. Richmond, Wellington, N.Z.
Calculating-protractor for scales for setting out drawings.

No. 22357.—25th January.—A. H. Byron and R. R. Richmond, Wellington, N.Z.
Shafting of steam-vessel.

No. 22358.—25th January.—J. Reid, Hamilton, N.Z.
Binder-apron.

No. 22359.—23rd January.—A. Ashcroft and C. Richardson, Auckland, N.Z.
Electrically distilling and purifying gum.

No. 22360.—24th January.—H. J. Edwards, Dunedin, N.Z.
Revolving-grate. (*J. F. G. Edwards.*)

No. 22361.—23rd January.—R. S. Shepherd, Auckland, N.Z.
Bedstead-foot.

No. 22362.—28th January.—W. Evans and D. Y. Cunningham, Timaru, N.Z.
Weatherboard joint.*

No. 22363.—28th January.—W. R. Comings, Surrey, Eng.
Box-making machine.*

No. 22364.—29th January.—T. E. Raleigh, Corop, Vic.
Drafting-gates for animals.

No. 22365.—29th January.—W. E. Adams, Sydney, N.S.W.
Construction of walls.*

No. 22366.—29th January.—W. J. Dibdin and H. C. Woltereck, London, Eng.
Illuminating and heating gas.*

No. 22367.—29th January.—G. Kelly, Napier, N.Z.
Book-marker.

No. 22368.—29th January.—T. Williams, Elmore, Vic.
Animal-trap.

No. 22369.—30th January.—H. Corbett, S. Yarra, Vic.
Siphon. (*F. J. Corbett.*)

No. 22370.—31st January.—C. Martin, Eltham, N.Z.
Vehicle-seat.

No. 22371.—31st January.—F. P. Vize and H. J. Broderick, Echuca, Vic.
Brush.

No. 22372.—31st January.—J. Molas and J. A. Smeeton, London, Eng.
Turbine.*

No. 22373.—31st January.—J. C. Preston, Sydney, N.S.W.
Elastic-fluid motor.*

No. 22374.—31st January.—J. C. Preston, Sydney, N.S.W.
Sheep-shears.*

No. 22375.—31st January.—G. Gibbins, Footscray, Vic.
Plough.*

No. 22376.—31st January.—T. B. Brock, Kapunda, S. Aust. Filling bags with grain.
No. 22377.—31st January.—J. T. Meredith, Geraldine, N.Z. Construction of motor or cycle tire.
No. 22378.—31st January.—W. Knowles, Christchurch, N.Z. Boot or shoe.
No. 22379.—31st January.—J. W. Jensen, Palmerston N., N.Z. Cow's-tail holder.*
No. 22380.—29th January.—A. H. Rogers, Wanganui, N.Z. Cooling beer.
No. 22381.—30th January.—J. Graham, Gisborne, N.Z. Increasing speed of grindstone.
No. 22382.—1st February.—R. M. Maunder, Ashhurst, N.Z. Washing-board.
No. 22383.—1st February.—R. M., J. B., and A. Maunder, Ashhurst, N.Z. Operating window-blinds and curtain-poles.
No. 22384.—4th February.—T. Hawes, Wellington, N.Z. Indicator.
No. 22385.—5th February.—T. J. Lovett, Chicago, U.S.A. Magnetic separator.*
No. 22386.—5th February.—A. Parsons, Leeds, J. A. Morton, Leicester, and J. C. and B. Wright, Leeds, Eng. Lasting-machine for boots and shoes.*
No. 22387.—5th February.—J. H. Smith, Kawana, N.Z. Non-refillable bottle.
No. 22388.—5th February.—A. G. Jackson, Brisbane, Q. Electric clock mechanism.*
No. 22389.—5th February.—A. G. Jackson, Brisbane, Q. Mechanism for totalisator, &c.
No. 22390.—2nd February.—T. R. Christie, Dunedin, N.Z. Yard-gully and level inlet for drainage purposes.*
No. 22391.—5th February.—H. Mote, Sydney, N.S.W. Extension step-ladder.*
No. 22392.—2nd February.—C. G. Lehmann, Lockhart, N.S.W. Harvesting-machine.
No. 22393.—2nd February.—W. R. Gover, Burwood, N.S.W. Spinal corselet.*
No. 22394.—4th February.—F. W. Hellberg, Sydney, N.S.W. Hammock and tent.

Complete Specifications filed after Provisionals.

LIST of complete specifications filed after provisional specifications, from the 20th January to the 2nd February, inclusive:—

No. 21028.—T. C. Fowler, bicycle-frame.
No. 21047.—A. E. and H. G. Bradley, lead calme.
No. 21079.—F. W. Medhurst, portable telephone and telegraph.
No. 21085.—G. J. Browne and E. Toms, machine for making sheet-metal piping.
No. 21088.—J. Hamilton, sliding fence.
No. 21099.—W. H. Stichling, A. W. Wilson, R. S. Overend, J. E. Paterson, and E. Masters, butter-box.
No. 21127.—H. Daniels, potato digger and grader.
No. 21230.—A. J. J. Bolton, composition for the manufacture of butter-boxes.
No. 21595.—W. H. Bonney, bullock-bow key.
No. 21866.—C. E. Bettany, frying-pan cover.
No. 21878.—J. M. Craigie, boot.

Notice of Acceptance of Complete Specifications.

Patent Office,
Wellington, 6th February, 1907.

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. 20612.—23rd January, 1906.—JOHN FOSTER STEPHENSON, of Haines Street, Glenferrie, Victoria, Australia, Engineer. A combination bedstead and mattress.*

Claims.—A combination bedstead and mattress composed of corner blocks as A, having female dovetails or sockets as C, boxes as D, having male dovetails or teeth as E to fit in the said sockets, and provided with vertical bolts as H, wooden longitudinal members as G arranged so that their ends bolt into the boxes D, said wooden members G having secured thereon or therein metal plates as J, substantially as and for the purposes set forth. (2.) In a combination bedstead and mattress, in combination, metal straps or plates as J, longitudinal wooden members as G, and means, such as screws or the like, for securing the parts to one another, substantially as and for the purposes set forth. (3.) The combination and arrangement of the several parts described, and as illustrated in Figs. 1 and 2 of the drawings, forming a complete combination bedstead and mattress.

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

No. 20617.—23rd January, 1906.—SAMUEL BRADLEY CORRIGAN, of Manaia, New Zealand, Auctioneer. Improved solution for curing potato-blight.*

Extract from Specification.—Consists of carbide of calcium, one pound; kerosene or petroleum, one pint; and water, one gallon.

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

(Specification, 1s. 3d.)

No. 20662.—31st January, 1906.—PATRICK ALFRED KENNA, of 14, O'Connell Street, Sydney, New South Wales, Australia, Accountant. Improvements in tobacco-pipes.

Claims.—(1.) In tobacco-pipes of the class described, the combination with the tube projecting from the pipe-stem into the condensing-chamber, of a baffle plate removably attached to the inner end of the tube, substantially as and for the purpose specified. (2.) In tobacco-pipes of the class described, a disc or plate of non-absorbent material fitted on to the end of the pipe-stem within the condensing-chamber, substantially as and for the purpose specified.

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

No. 20776.—23rd February, 1906.—HARVEY VIVIAN GAZZARD, care of Commercial Hotel, Gympie, Queensland, Australia, Grazier. Improvements in flooring and ceiling cramps.*

Extract from Specification.—The invention consists of a metal casting formed on one side with a boss fitted with a spindle for carrying a toothed wheel, gearing with a similar toothed wheel fixed to a hollow spindle in the boss of the casting, which is threaded for receiving a screw fixed to the bracket of a sliding bar, to the opposite end of said bar is an adjustable bracket or stop-piece which tightens against the joist on the travel of the sliding bar operated by the toothed gearing and screw. In the top of the casting is a slide provided with a plunger operated by a lever pivotally connected to a slide-block, adapted to slide upon a bar fixed to the casting; on the top of a slide is a toothed rack which engages with a spring pawl for preventing any recoil of the plunger and holding same in fixed position for exerting a second purchase or whilst nailing the board to the joist.

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

(Specification, 5s.; drawing, 2s.)

No. 20798.—1st March, 1906.—JAMES HUGHES, of Waitohi Flat, Temuka, New Zealand, Mill-proprietor. Improved apparatus for attaching the spout to the "chaffey" of a threshing-mill.*

Claim.—The improved apparatus for attaching the spout to the chaffey of a threshing-mill, comprising the combination with flanges upon the chaffey and the spout, of a clamp or ring made in two parts hinged together placed adjacent to the flanges, and a metal ring formed with an annular groove on its inner periphery adapted to enclose the flanges, and formed in one with or attached to the hinged ring, substantially as specified.

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

No. 20821.—8th March, 1906.—GEORGE FELL HUTCHINSON, of Kapuni, New Zealand, Farmer. An improved acetylene-generator.*

Extract from Specification.—The special features of novelty comprised in the improved construction relate to means employed whereby a number of generating-chambers may be

automatically brought into action in turn in order to generate the gas as each one becomes exhausted, and also to means whereby the generating operation may be stopped when a gasometer comprised in the apparatus becomes fully charged with gas, and restarted when the gas is about exhausted therefrom. Other improvements in the details of construction are embodied, and will be more particularly indicated in the claims.

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

(Specification, 7s. 3d.; drawing, 2s.)

No. 20843.—14th March, 1906.—ALBERT ERNEST WOODHOUSE, of Amuri, Wellington Street, Kew, Victoria, Australia, Electrical Engineer. Improved conduit for electric conductors.*

Extract from Specification.—This invention of improved conduit for electric conductors has been designed for wiring houses and buildings and for protecting electric conductors. The conduit is preferably made up in four parts, all of which are usually constructed of thin metal—viz. (*a*) the troughing, which is of a tapering section, wider at the top open part than at the bottom; (*b*) clip pieces which are secured to the wall or ceiling and engage or grip the outer sides of the troughing in order to hold it in position; (*c*) removable covers for the troughing and which have inwardly splayed marginal rims for being sprung over the top parts of the sides of the troughing; and (*d*) joint caps which are made of the same section as the covers and designed to be sprung over the top of same at the joints thereof in order to form the cover-strips: and by thus assembling the several parts forming the conduit an electric bond is secured. By providing the conduit with removable covers the wires can be readily laid and inspected. Further, when so desired the troughing may have insulated material run or moulded into it, having one or more grooves therein in order to receive bare conductors, and the end parts of the troughing may either be butt- or lap-jointed. Furthermore, the said clips and joint-caps may be constructed of a suitable section to be applied to the troughing and covers of conduits of a sectional form—other than those referred to herein.

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

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

No. 20936.—2nd April, 1905.—HILARY QUERTIER, of Oraki House, Rattray Street, Dunedin, Otago, New Zealand, Engineer. Improvements in rail-cleaners for tramways and the like.*

Extract from Specification.—This invention provides means for use upon motors, tram-cars, and the like for removing the dust and dirt from tramway rails and from the grooves therein, and collecting the dirt and dust so removed in order that it may be readily taken away. According hereto a rail-plough, comprised of scrapers for removing the dirt from the rail and its groove, and hoppers to which the scrapers are connected to a rod by a spring attachment, the said rod being provided with a lever for adjusting the height of the ploughs from the rail. The plough is double-acting, and has two scrapers and a double hopper, one scraper coming into operation when the vehicle travels in one direction, and the other scraper coming into use when the travel is in the opposite direction. The ploughs are pivoted upon a central axle revolved by a sprocket and tooth wheels and chain from an axle of the vehicle. The ploughs yield when an immovable obstacle is met with, and return again into their operative position. Brushes secured upon axles mounted in a frame, or upon arms pivoted upon the central axle, are revolved by chains and sprocket wheels driven by the central axle. A rod connected to the frame or arm has notches adapted to engage a catch for raising or lowering the brushes, and a spring is provided for keeping the notches normally engaged with the catch. A chain carrying buckets passes around a tumbler or a sprocket wheel secured upon the central axle, and around other tumblers or sprocket wheels mounted on a shaft having bearings above a bin. The buckets are double, and convey the dirt from the ploughs to the bin, independently of the direction in which the vehicle is travelling. The bottom of the bin is hinged, or provided with a door operable by a handle when it is desired to remove the dirt therefrom. The wearing part of the plough is readily removable from the hopper for the purposes of renewal when worn. In a modification of my invention I provide two chains of buckets, bins, and ploughs, one set removing the dirt when the vehicle is travelling in one direction, and the other set when the travel is reversed. In this case the buckets and ploughs are single, and the chains of buckets are driven by a sprocket wheel secured to an axle of the vehicle, and by a chain passing around upper tumblers of the bucket-chains. The brushes are arranged and driven as described in my specification No. 20581, "Improvements in rail-cleaners for tramways and the like," of 16th January, 1906.

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

(Specification, 7s. 3d.; drawing, 2s.)

No. 21166.—17th May, 1906.—FREDERIC HENRY TREVELLIAN, of National Chambers, Grey Street, Wellington, New Zealand, Cash-register Expert. An improved cash-register.*

Extract from Specification.—This invention relates to the class of apparatus known as cash-registers wherein a sliding till or drawer divided into compartments is used for containing coins and the like. The object of my invention is to provide apparatus whereon a salesman can make out an invoice or docket, and record a duplicate copy thereof upon a continuous strip of paper, which copy cannot be tampered with and is withdrawn into the apparatus beyond the reach of the salesman by the action of opening the till-drawer. The total of each invoice is entered by the salesman upon a separate strip of paper, which is withdrawn into the apparatus simultaneously with the strip containing the copy of the invoice, but to a distance sufficient only to withdraw one row of figures.

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

(Specification, 16s.; drawing, 3s.)

No. 21515.—16th November, 1905.—WILLIAM EDWIN HEYS, of Bushey Hall Road, Bushey, Hertford, England, Technologist, and ROBERT MACPHERSON, of 9 Exeter Road, Brondesbury, Middlesex, England, Engineer. A new or improved detergent for use with hard and salt waters.

[NOTE.—This is an application under section 106 of the Act, the date given being the official date of the application in Great Britain.]

Claims.—(1.) A detergent for use with hard or salt water, produced from "Cocoa-nut Olein," and a suitable vegetable proteid treated under heat with a sufficiency of lye, substantially as set forth. (2.) A detergent for use with hard or salt water, produced from "Cocoa-nut Olein," a suitable vegetable proteid, and farina or other filling, treated under heat with a sufficiency of lye, substantially as set forth.

(Specification, 5s.)

No. 21615.—10th August, 1906.—ALFRED ADCROFT, of 7 Hall Street, Newtown, Wellington, New Zealand, Gasfitter. An improvement in or relating to gas-burners.*

Claim.—My improvement in gas-burners consists of a pin or a baffle inserted in the mixing-chamber, substantially as described, and as shown on drawings.

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

No. 21716.—29th August, 1906.—WILLIAM BALDWIN, of 21 Falmouth Chambers, 117 Pitt Street, Sydney, New South Wales, Australia, but presently of Durban, Natal, Merchant. Improved method of fastening and joining roofing or lining manufactured from fibrous material rendered waterproof.

Claims.—(1.) An improved method of forming joints in roofing or lining material by the application of heat, as described. (2.) An improved method of fastening and joining roofing and lining material by nailing the underlap and securing the laps to each other by the application of heat, as described, and illustrated in the drawings. (3.) Fastening roofing material at the joints or elsewhere to the wood lining or battens by means of heat, as described.

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

No. 21820.—25th September, 1905.—ALEXANDER ANNAN ADAMS, Merchant, THOMAS SEARS, Gentleman, and WILLIAM FULTON FAIR, Engineer, all of 36 Camomile Street, London, England. An improved dasher for butter-making churns.

[NOTE.—This is an application under section 106 of the Act, the date given being the official date of the application in France.]

Claims.—An improved dasher for butter-making churns, consisting of two inverted and concentric cups, one preferably longer than the other, and adapted to be removably attached to the usual vertical churn-spindle, one or both of which cups is or are formed with apertures at such an angle to the radius as to force the milk or cream from within the inner cup, and if desired also from without the outer cup, into the space between said cups, one or both said cups having grooves of preferably segmental sectional shape leading from one aperture to near the next in such a manner as to increase the scooping action as the dasher rotates.

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

No. 22049.—13th November, 1906.—FRANCIS THEODORE BOYS, of Napier, Hawke's Bay, New Zealand, Merchant. Improvements in fencing-standards.

Claims.—(1.) In a fencing-standard having slots through a flange thereof, recesses formed in the middle part of the slots, plugs adapted to fit recesses, and pins for retaining the plugs in the recesses, substantially as set forth. (2.) In combination with a fencing-standard having slots in a flange thereof, of recesses formed in the middle part of the slots, and a tapered plug of circular section adapted to fit the recesses, substantially as set forth.

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

No. 22063.—15th November, 1906.—GEORGE BRENNAN, of 118 Palace Street, Petersham, near Sydney, New South Wales, Australia, Engineer. Improvements in folding-bedsteads.

Claims.—(1.) A folding-bedstead comprising two members—a head and a foot—pivotally attached to a longitudinal member and adapted to be folded to it, and mechanism for hinging the mattress-frame thereto, substantially as described. (2.) A folding-bedstead comprising two members—a head and a foot—and a longitudinal member to which they are pivotally attached at one end and adapted to be folded to it, mechanism for hinging the mattress-frame to the head and foot members, substantially as described. (3.) A folding-bedstead comprising two members—a head and a foot—each pivotally attached at one end to a longitudinal member and adapted to fold to it, mechanism for hinging the mattress-frame to the head and foot members, consisting of bars or rods the ends of which are journalled to the mattress-frame and the bedstead-frame, substantially as described. (4.) In a folding-bedstead, the combination with two members—a head and a foot—provided with extension feet and a longitudinal member, of hinged bars or rods forming a carrier or hinge for the mattress-frame, substantially as described. (5.) In a folding-bedstead, the combination with a longitudinal member and pivotally attached head and foot members provided with foot extensions and brackets, of a mattress-frame hinged to the head and foot members, substantially as described. (6.) A folding-bedstead comprising two members—a head and a foot—pivoted or linked together at a point between their extremities to a longitudinal member and adapted to be folded to it, and mechanism for hinging the mattress-frame to the longitudinal member, substantially as described. (7.) A folding-bedstead comprising two members—a head and a foot—pivoted or linked together at a point between their extremities to a longitudinal member for the purposes indicated, and mechanism for hinging the mattress-frame to the longitudinal member consisting of arms pivotally attached to the mattress-frame and journalled upon the longitudinal members, substantially as described. (8.) The combination with a head and of a foot member, each journalled at a point between their extremities to a longitudinal member, of hinged arms, extension feet, and supporting-brackets, substantially as described.

(Specification, 7s.; drawing, 3s.)

No. 22095.—21st November, 1906.—WILLIAM BELL, of Redan Street, and HARRY BRYCE BELL, of Cowles Road, both of Mosman, near Sydney, New South Wales, Australia, Photo-engravers. An improved manufacture of half-tone printing-blocks.

Extract from Specification.—This invention mainly consists in forming the printed surface of a block in relief by subjecting it to a yielding pressure, obtained by using a plastic sheet, such as lead, leather, or guttapercha, in a pressure-press, the back of the block having previously been prepared and weakened on certain predetermined parts corresponding to the high lights and half-tones on the printed surface to permit of the buckling or depressing of these weakened parts, or by subjecting to pressure a comparatively thin shell of metal—upon which a print has been developed and burnt in—superposed upon a mould or die the surface of which is formed with depressions corresponding to the high lights and half-tones of the superposed plate, into which depressions the overlying portions of the thin plate are forced.

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

(Specification, 11s.)

No. 22227.—20th December, 1906.—DAVID HOUSTON, of The Terrace, St. George, Queensland, Australia, Hotel-manager. An improved acetylene-gas generator.

Extract from Specification.—This invention has been devised with the object of providing an acetylene-gas generator which, while being simple and cheap to manufacture, is very efficient and is quite safe. To this end, on the side of the generating-chamber, which may be of any suitable shape, and near its upper end, is formed a lip or chute, which leads to an opening in said chamber somewhat below the level of the contained water. Through this opening the calcium-carbide is fed from carriers or boxes arranged to work by preference automatically. About the inside of this opening flanges or other means are provided to prevent the escape of the rising gas. Surrounding the protruding gas-outlet is formed a cup or the like whereby the main outlet-pipe leading to or from the gasometer is loosely jointed by water-seals, and thus a further safety device is formed.

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

(Specification, 8s. 6d.; drawing, 1s.)

No. 22246.—27th December, 1906.—JAMES HANSLOW, of Cambridge, Tasmania, Australia, Farmer. Wire gripper and strainer.

Claims.—(1.) In a wire gripper and strainer, the combination of a bent bar A with a male screw-thread B passing through an iron plate C furnished with bars DD terminating in hooks, another plate E affixed to bar A at end of male screw-thread B, such plate being furnished with recesses FF, studs GG, and outer plate I, together with a key having a hook J and shoulders KK, substantially as described and illustrated in the specification and drawings. (2.) In a wire gripper and strainer, the combination of a bent bar A furnished with a male screw-thread B passing through an iron plate C furnished with a female screw-thread for the reception of male screw-thread B, such plate being also furnished with bars DD terminating in hooks, another plate E affixed to bar A at end of male screw-thread B, such plate being furnished with recesses FF, studs GG, and outer plate I, substantially as described and illustrated. (3.) The general arrangement, construction, and combination of parts composing my wire gripper and strainer, substantially as described and illustrated.

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

No. 22249.—27th December, 1906.—CHARLES BUTTERS, of 28 Bishopsgate Street Within, London, England, Metallurgist. Process and apparatus for filtering slimes.

Claims.—(1.) The improved process of filtering slimes which consists in filling a vat therewith, drawing off the liquid contained therein through a filtering-surface carried in said vat, creating and maintaining a maximum vacuum in the filtering media until a cake of slimes is formed upon its surface, diminishing the vacuum, discharging the non-adhering slimes from the vat, filling the vat with a reagent and increasing the vacuum until same is drawn through the caked material,

and then, with or without a subsequent similar treatment with water, discharging said caked material from the filter by fluid-pressure behind same, substantially as described. (2.) The improvement in the process of filtering slimes which consists in discharging the caked material from the filter by first saturating the fibrous medium with moisture and then applying an air-pressure behind the filtering-surface, substantially as described. (3.) The improvement in the process of filtering slimes which consists in regenerating the filtering media by subjecting the filter-leaves to the action of dilute hydrochloric acid, substantially as and for the purposes set forth. (4.) Apparatus for filtering slimes consisting of a fibrous medium enclosed within filtering-cloths sewn together through the said fibrous medium and carried in a suitable frame, substantially as described. (5.) Apparatus for filtering slimes consisting of filtering media carried by a stationary frame perforated at points within the filtering media and flexibly connected to a vacuum pump, substantially as described. (6.) Apparatus for filtering slimes consisting in so forming the top rail of the filter-frame that the liquid dropping therefrom when the vat is emptying will fall clear of the soft caked material carried by filtering media, substantially as described. (7.) The improved construction and arrangement of apparatus for filtering slimes, substantially as described, and as illustrated in the drawings.

(Specification, 9s. 6d. ; drawing, 2s.)

No. 22251.—27th December, 1906. — THOMAS STRONG HUMBLE, of Vulcan Foundry, Little Malop Street, Geelong, Victoria, Australia, Engineer and Ironfounder (assignee of Thomas Strong Humble aforesaid, and Ernest Schultz, of Vulcan Foundry aforesaid, Engineer). Improvements in and relating to the combustion-chambers of internal-combustion engines.

Extract from Specification.—One of the main improvements in connection with this invention is the introduction of a predetermined comparatively minute quantity of water into the centre of the ordinary charge, by means of which the total pressure of combustion is increased, and consequently the efficiency of the engine is raised. This addition to the charge causes a more complete combustion and a consequent diminution of solid residue, and thus avoids the necessity of "scavenging," and consequent loss of energy and time. Furthermore, the ignition-tube is so constructed and arranged that once ignition is started and the engine begins to work, ignition of the subsequent charges will continue automatically without the necessity of extraneous heat, and also the timing of the explosion or complete ignition of the charges which have been thoroughly mixed, and in the case of liquid fuel vaporised, may be simply and accurately adjusted. The inlet valve is also so arranged that at the beginning of the intake an adjustable amount of air only is admitted, and then at the required moment the charge proper enters.

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

(Specification, 7s. 3d. ; drawing, 1s.)

No. 22252.—27th December, 1906.—JOHN WILLIAM MANLEY, of Segary Villa, Hadley Road, New Barnet, England, Electrical Engineer, and the ELECTRIC SAFETY APPLIANCES COMPANY, LIMITED, of Eldon Street House, Eldon Street, London, England, Manufacturers. A new or improved method of winding the coils of electric measuring or indicating apparatus, and the application thereof to instruments for detecting and obviating leakage from conductors of electricity.

Claims.—(1.) In an electrical measuring or indicating apparatus, the method of winding the coils, substantially as and for the purpose set forth. (2.) In an instrument for detecting and obviating leakage from conductors of electricity, causing the excess of current in one conductor over that in another to deflect a magnet, and causing the deflection of that magnet to close a circuit through an electric bell or other indicating-device, whereby a warning is given. (3.) In an instrument for detecting and obviating leakage from conductors of electricity, causing the excess of current in one conductor over that in another to deflect a magnet, and causing the deflection of that magnet to close a circuit through a cut-out whereby the main circuit may be opened. (4.) The new or improved instrument, substantially as set forth with reference to Fig. 1, and either with or without the accessories set forth with reference to Figs. 2 and 3.

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

No. 22254.—28th December, 1906.—WILLIAM PLATT, of Highbank, near Rakaia, Canterbury, New Zealand, Farm Labourer. An attachment to the blade of a knife for the purpose of facilitating potato and vegetable peeling.

Claim.—An attachment to the blade of a knife for the purpose indicated, such attachment consisting of a length of wire twisted at its ends into spirals, between which the blade of the knife is adapted to be passed so as to be gripped thereby, and to hold the length of wire in a position parallel with the edge of the knife, substantially as specified.

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

No. 22262.—2nd January, 1907.—JAMES THOMAS HUNTER, of Queen's Chambers, Wellington, New Zealand, Patent Agent (nominee of the Edison Ore-milling Syndicate, Limited, of Fitzalan House, Arundel Street, Strand, London, England—the assignees of William Simpkin, of Fitzalan House aforesaid, and James Bain Ballantine, of "Glenthorne," St. Margaret's Road, St. Margaret's, Twickenham, Middlesex, England). Improved magnetic separator.

Claims.—(1.) A magnetic separator having a rotating drum made of non-magnetic material, one pole of the magnet being arranged outside said drum, and one pole being arranged inside said drum. (2.) A magnetic separator, as claimed in claim 1, in which the poles of the magnets gradually decrease in cross-section towards their separating edges. (3.) A magnetic separator, as claimed in claim 1, in which the pole-pieces are formed with curved inner and outer surfaces, the underside of the outside pole-piece being concentric with and of a little longer radius than the outer surface of the drum, and the outer side of the inner pole-piece being concentric with and of a little shorter radius than the inside of the drum. (4.) The improved magnetic separator substantially as shown and described.

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

No. 22266.—3rd January, 1907.—SYDNEY ASTON MERSEY ROSE, of 637-641 Church Street, Richmond, Melbourne, Victoria, Electrical Engineer, and HERBERT BYNG CROWLE, of 115 Argyle Street, St. Kilda, Melbourne aforesaid, Traveller. Improvements relating to automatic electrical targets for rifle practice.

Claims.—(1.) In apparatus for use in connection with electrical targets for rifle practice, a series of various resistances adapted to be placed in the main-line circuit, in combination with a solenoid actuating a contact arranged to complete a local circuit through an indicator, substantially as and for the purposes specified, and as illustrated in drawings. (2.) In apparatus for use in connection with automatic electrical targets for rifle practice, a contact rack or bar having contact pieces (as *j*) at intervals, together with raised inclined surfaces or projections between them, substantially as and for the purposes specified, and as illustrated in the drawings. (3.) In apparatus for use in connection with automatic electrical targets for rifle practice, a contact rack or bar having raised inclined surfaces or projections between the contacts, in combination with a contact-making lever or arm actuated by a solenoid, substantially as and for the purposes specified, and as illustrated in the drawings. (4.) In apparatus for use in connection with automatic electrical targets for rifle practice, an auxiliary contact lever (as *i*1) mounted upon the outer end of a radial contact-making arm or lever (as *i*), substantially as and for the purposes specified, and as illustrated in the drawings. (5.) In apparatus for use in connection with automatic electrical targets for rifle practice, an auxiliary contact-making lever or arm (as *i*1) provided with a pawl engaging with a ratchet wheel, in combination with a rotary fan (as *i*4), substantially as and for the purposes specified, and as illustrated in the drawings. (6.) In apparatus for use in connection with automatic electrical targets for rifle practice, a trip-lever contact having an upwardly projecting weighted arm in combination with a resetting-magnet in electrical communication with contacts in an indicator, the circuit through the resetting-magnet being completed by the fall of either of the shutters in said indicator, substantially as and for the purposes specified, and as illustrated in the drawings.

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

No. 22280. — 8th January, 1907. — ANDREW GEORGE BRANDRAM, of Daventry Cottage, Festing Grove, Southsea, Hants, England. Improvements in joints for sewer and like pipes.

Claims.—(1.) For making a pipe-joint, the employment of a flat metal band coated with heated bitumen designed to encircle the peripheries of the pipes at their point of junction, the ends of said band being drawn tightly together so as to exert a considerable degree of compression upon the bitumen, and then secured by a suitable fastening. (2.) Joints for sewer or other pipes formed in the manner described with reference to the drawings.

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

No. 22281.—8th January, 1907.—GEORGE WESTINGHOUSE, of Westinghouse Building, Pittsburg, Pennsylvania, United States of America, Manufacturer. Improvements in draft gear for vehicles.

Claims.—(1.) A draft gear for vehicles, comprising a helical spring secured at an intermediate point to the car-frame, and a draw-bar connected to the free ends of said spring, substantially as described with reference to Figs. 1 to 3 and 11 to 13 of the drawings. (2.) A device for attaching a draft gear comprising a helical spring and a draw-bar connected thereto to the car-frame, comprising a flaring casing connected to the car-frame having a split end for clamping the spring, substantially as described with reference to Figs. 1 to 3 or 11 to 13 of the drawings. (3.) A draft gear comprising a helical spring attached at one end to the car-frame and at the other end to a draw-bar, substantially as described with reference to Figs. 9 and 10 of the drawings. (4.) A draft gear having a tubular draw-bar and a coupler-head attached thereto provided with a passage communicating with that in the draw-bar and leading to a gasket-opening in the coupler-head. (5.) An automatic coupler for vehicles having a projecting portion and a wide gathering hood formed in two longitudinal parts secured together, substantially as described with reference to Figs. 3 and 4 of the drawings. (6.) An automatic coupler-head for vehicles of the kind described, having an opening containing a gasket arranged substantially at right angles to the inclined face of the locking-rib, and a fluid-pressure conduit communicating with said opening, substantially as described with reference to Figs. 5 and 6 of the drawings. (7.) In a draft gear provided with an automatic coupler-head, means for normally deflecting said coupler-head to one side of the centre line of the car, substantially as described with reference to Fig. 3 or to Figs. 11 to 13 of the drawings. (8.) A draft gear comprising an automatic coupler-head subjected to a lateral or swinging movement, and an operative device mounted on said coupler-head, and a manually actuated mechanism at the side of the car, and a flexible connection between said mechanism and the operative device on the coupler-head, substantially as described with reference to Figs. 14 to 19 of the drawings. (9.) In a draft gear, an automatic coupler having spring-actuated latch mechanism, an additional spring and manually operated means for causing said spring to act upon the latch mechanism to assist in holding the same in locked position, substantially as described with reference to Figs. 14 to 19 of the drawings. (10.) The several improved forms of draft gear for railway cars constructed substantially as described, and shown in the drawings.

(Specification, 14s. 9d.; drawing, 3s.)

No. 22283.—9th January, 1907.—THOMAS WHITTLE, of Traralgon, Victoria, Australia, Saddler, and GEORGE GARIBALDI TURRI, of Collins Street, Melbourne, Victoria aforesaid, Patent Attorney, &c. (assignees of Thomas Whittle aforesaid, and William Cumming, of Malvern, near Melbourne, Victoria, aforesaid, Electrical Engineer). Improvements in and connected with ships'-progress indicators.

Extract from Specification.—The object of this invention is to provide improvements in indicators for exhibiting—approximately—at any moment the progress and the position of a steamship or conveyance upon its course or approximate course. It is customary to publish once a day on some passenger-vessels a statement of distance travelled, and mark the position reached on a geographical map; but a new map is used each voyage, and neither passengers nor officers can obtain the information brought up to any particular moment when the same may be looked for. By this invention, however, a single geographical map is used for a plurality of voyages, both outward and inward. The map may be set up in a glass frame, picture-fashion, in any convenient part of the vessel—as in a saloon or cabin, or on deck—the interior mechanism or required parts of it being made accessible in any suitable way. Passengers may by this invention time the vessel's speed and obtain useful geographical information without subjecting the officers to interrogations which are often unseasonably resorted to under present conditions. The map has a track or route, and an indicator or the like movable along it. The track indicates approximately, or as nearly as may be desired, the route to be travelled. When cheapness is an object the indicator is set by hand or by simple mechanism from time to time at convenient intervals. It may when under glass be drawn into position, for example, by a magnet, or when attached to a chain as described the chain may be adjusted by any convenient means. This invention provides, however, for the actuation of the indicator by connections to the engines of the vessel, or to a wheel turned by a log drawn through the water. Means are provided for advancing, stopping, or retracting the indicator at any moment independently of the engines, to suit circumstances; and means are also provided for causing the movement of the indicator by the engines to take place in the reverse direction when the vessel is making a return journey. Advertisements will be combined with the map or chart when desired, in any suitable manner. A sample advertisement will be found upon the drawings.

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

(Specification, 15s.; drawing, 2s.)

No. 22284.—9th January, 1907.—HENRI PATAUD, of 15 Rue de la Federation, Paris, France, Civil Engineer. Improvements in wheel-fellies.

Claims.—(1.) An arrangement for removable fellies or dismountable fellies which permits at will of providing two circular edges or flanges in combination with a flat felly or of removing these edges, the said arrangement consisting essentially in a second felly of U section and with flanged edges which is always engaged by the spokes of the wheel, and which, being open and elastic, is arranged concentrically at the interior of the flat felly at the position of dismounting, and, on the other hand, exactly fits this flat felly and projects at its outer edges when it is expanded so as to lock and maintain the tire in place. (2.) In an arrangement for removable fellies or dismountable fellies according to claim 1, the provision for opening and locking the second open felly *f* (with U profile), of two elements or pieces *g* and *h* of the same profile, connected together by a rigid joint *i*, while the other two extremities have a shape convenient for attaching to the two ends of the said felly *f*.

(Specification, 10s. 9d.; drawing, 1s.)

No. 22285.—9th January, 1907.—ERNEST SMITH BALDWIN and HENRIE HAMPTON RAYWARD, carrying on business as "Baldwin and Rayward," Patent Agents, Wellington, New Zealand (nominees of William Hubbard, of Woodland Street, Dulwich Hill, New South Wales, Australia). An improved means for locking a nut on a bolt.

Claim.—An improved means for locking a nut on a bolt, consisting of a pair of corresponding channels cut through the thread of the bolt and of the nut respectively, forming together a longitudinal aperture to receive a locking-wire, the free end of which is either wound into the thread of the bolt when the latter projects beyond the nut, or into grooves provided therefor in the faces of the nut, substantially as set forth, and as illustrated in the drawings.

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

No. 22292.—7th January, 1907.—CHARLES EDWIN DRAPER USHER, of Kelly's Building, Commissioner Street, Jeppestown, Johannesburg, Transvaal, Assayer. Improvements in slimes-treatment.

Claims.—(1.) In the wet treatment of metalliferous slimes, the process which consists in maintaining the slimes uniformly suspended in liquid, passing upwardly through such mass solvent, or wash-water, as the case may be, at such a rate as not to materially disturb the homogeneity of the slimes, and collecting the clear liquid above the slimes. (2.) Apparatus for the wet treatment of metalliferous slimes, consisting of a vat, means for maintaining the slimes therein in a substantially uniform state of suspension, and means for passing

solvent or wash, as the case may be, from the bottom of the vat upwardly through the contained slimes. (3.) In apparatus as specified in the preceding claim, means for continuously drawing off clear liquid from above the slimes; and, if desired, means for returning the liquid for further percolation through the slimes. (4.) In apparatus as specified in claims 2 or 3, perforated arms arranged at the bottom of the vat, means for slowly revolving the same, and means for supplying solvent or wash thereto. (5.) Apparatus for the wet treatment of metalliferous slimes, substantially as described, consisting of a vat, a discharge-door for the same, means for maintaining the slimes therein in a substantially uniform state of suspension, perforated arms arranged at the bottom of the vat, means for slowly revolving the same, means for supplying solvent or wash to one or more of such arms, agitating-vanes secured to the arms, means for continuously drawing off clear liquid from above the slimes, and means for ejecting wash or flushing-water from the whole of the arms simultaneously.

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

No. 22297.—7th January, 1907.—WALTER GEORGE WINDHAM, Lieutenant (retired) and King's Messenger, of 87 West Clapham Common, London, S.W., England. Improvements in or relating to detachable bodies for self-propelled vehicles.

Claims.—(1.) In a self-propelled vehicle having a detachable body portion, the combination with the chassis and the door of the detachable portion of a lock or catch operating automatically for the purpose described. (2.) In a self-propelled vehicle having a detachable body portion, a locking-lever such as G to automatically engage with a recess in the chassis when the door of the body is open, and disengage therefrom when the door is closed, substantially as described. (3.) In a self-propelled vehicle having a detachable body portion, a locking-device comprising a lever G pivotally supported in a flared opening K and controlled by a spring J, substantially as and for the purpose described. (4.) In a self-propelled vehicle, the combination with the detachable body portion of runners D^3 co-operating with rollers C^1 on the chassis, with or without recesses such as D^2 in the runners, substantially as described. (5.) In a self-propelled vehicle having a detachable body portion, the combination with the detachable portion and the chassis of engaging members (such, for example, as the bar or tongue A^6 and its recess A^7) for holding down the rear portion of the body. (6.) In a self-propelled vehicle having a detachable body portion, the combination with the side plates C of the chassis, having tapered recesses such as A^7, of a tapered tongue or bar such as A^6 attached to the body portion and engaging with the recesses, substantially as and for the purpose described. (7.) In a self-propelled vehicle, the complete detachable body and co-operating parts, substantially as described or illustrated in Figs. 1, 2, 3, and 4 of the drawings.

(Specification, 8s. 6d.; drawing, 1s.)

No. 22298.—7th January, 1907.—BABCOCK AND WILCOX, LIMITED, of Oriel House, 30 Farringdon Street, London, England, Steam-boiler Manufacturers (assignees of Alfred Edward Parker, of Oriel House aforesaid, Engineer with the said company). Improvements in chain-links of chain-grate stokers.

Claims.—(1.) In a travelling grate, transverse grate-bars made up of links each having a projection upon its side or sides made flush with the fire surface of said link. (2.) In a travelling grate, grate-bars made up of links each having a projection on either or both sides extending laterally midway between the ends of said link. (3.) In a travelling grate, grate-bars made up of links having their ends depressed below the fire surface of the grate, and projections midway between the ends of each link extending laterally flush with the fire surface of the grate, said projections substantially fitting into and intermeshing with depressions between the abutting ends of the adjacent links. (4.) A travelling grate composed of transverse bars made up of a series of links, each having projecting snugs or extensions that intermesh with correspondingly formed links of an adjacent bar, and forming a fire surface in continuity sufficient to prevent sifting of a pulverulent fuel. (5.) A travelling grate composed of bars made up of a series of links each having an incline at its respective ends and a central projecting snug of triangular shape on either or both sides thereof.

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

No. 22309.—14th January, 1907.—BENSON BIDWELL, of 133 South Clinton Street, Chicago, Cook County, Illinois, United States of America, Manufacturer. Apparatus for cooling electric motors.

Claim.—In a machine of the class described, the combination of a dynamo electric machine and an airtight casing enclosing the same with a refrigerating apparatus comprising a compressor and condenser, and pipes connecting said electric machine with said compressor and condenser, substantially as described.

(Specification, 2s. 9d.; 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*.

J. C. LEWIS,
Deputy Registrar.

Provisional Specifications accepted.

Patent Office,
Wellington, 6th February, 1907.

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

No. 21777.—T. Keats, plough.
No. 21945.—C. M. Cruickshank, earth-closet.
No. 22079.—E. Shadgett, treatment of bananas for preparation of food.
No. 22105.—A. F. Golding and E. Campbell, speed-pulley. (A. M. Campbell.)
No. 22193.—S. A. Bradley, fruit-case.
No. 22194.—S. A. Bradley, punnet.
No. 22195.—T. Sutherland, cooking-vessel.
No. 22223.—H. S. Marks, door-holder.
No. 22229.—H. J. Best, sole-sewing-machine attachment.
No. 22241.—T. J. Heskett, apparatus for extracting zinc from its sulphide.
No. 22247.—J. Mackie and A. G. Huggins, milk-weighing can.
No. 22255.—C. F. Primmer, disc of centrifugal milk-separator.
No. 22259.—F. W. Smith, milk-sampler.
No. 22260.—J. Taucher, clothes-peg.
No. 22271.—W. Wilson and T. P. Burke, egg-carrier.
No. 22276.—H. Mander and W. E. Chamberlain, tiring-furnace.
No. 22277.—J. D. Jackson, water-heater.
No. 22282.—A. Cowell and J. Phillips, fencing-dropper.
No. 22287.—G. Hutchinson, fencing-standard.
No. 22288.—United Shoe Machinery Company, shoe-sewing machine. (J. B. Hadaway.)
No. 22289.—D. Murchison, turnip-seed sower.
No. 22290.—F. Sheaf, swath-turner.
No. 22291.—A. H. Byron and R. R. Richmond, pipe-joint.
No. 22293.—C. E. Woledge, water-boiling and tea-making apparatus.
No. 22295.—T. W. McDonald, soldering-machine.
No. 22299.—C. J. Johnson, trolly-retriever.
No. 22314.—H. H. Johnson and E. Moin, gas-lamp lighter and extinguisher.
No. 22317.—T. O'Neil, wire-distributor, &c.
No. 22318.—A. H. Byron and R. R. Richmond, billiard-toy.
No. 22321.—F. J. Arthur, tire-inflation device.
No. 22322.—J. Smart, cover for trap or drain.
No. 22325.—J. H. Pollock, apparatus for controlling race-horses.
No. 22326.—B. F. H. Dawson, candle-protector.
No. 22327.—B. W. White, spoon.
No. 22344.—W. C. Bradshaw, plaster.
No. 22345.—G. W. Berry, can-soldering machine.
No. 22349.—J. Gascard and R. Shimmen, potato-grader.
No. 22350.—J. Higgison, jun., means for retaining mouth-piece of teat-cup.
No. 22351.—F. Raven, milking-machine.
No. 22364.—T. E. Raleigh, drafting-gate.
No. 22367.—G. Kelly, book-marker.

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 22nd January, 1907, to the 3rd February, 1907, inclusive:—

No. 19643.—G. Stevenson, wrench.
No. 19861.—Monitor Shipping Corporation, Limited, vessel. (W. Petersen.)
No. 20104.—G. Scott, injection of air into cow's udder.
No. 20128.—E. S. Huntley, slimes-filter.
No. 20131.—G. V. Hemsley, fire-alarm.
No. 20132.—A. G. R. Williams, safety-lamp.
No. 20178.—H. I. M. Ross, ventilating system.
No. 20182.—J. G. ter-Hofsteede, legging-fastening.
No. 20197.—F. Marsh, gold-treatment.
No. 20198.—F. Marsh, amalgamating-machine.
No. 20200.—W. Morton and J. Hercus, window-sash.
No. 20204.—A. Worsfold, vehicle-seat.
No. 20207.—A. B. Wallace and H. J. Jones, piano attachment.
No. 20229.—A. L. J. Tait, treating fibre.
No. 20234.—F. Hurd, draught-preventer.
No. 20236.—B. L. Donne, tent. (T. D. McCall.)
No. 20239.—A. Ridd, pneumatic teat-cup.
No. 20246.—H. J. Walles, submarine boat.
No. 20249.—A. R. Donisthorpe, crimping fibrous material.
No. 20256.—A. McDonald, sediment-strainer.
No. 20266.—J. McCarthy, easy and folding chair.
No. 20272.—L. Atkinson, railway- or tramway-switch operator.
No. 20282.—J. G. Oates, sporting telegraph.
No. 20307.—P. Mullins, playing-cards.
No. 20335.—J. R. Park, shackle. (W. Beamish.)
No. 20400.—E. Wrigley, bar shears.
No. 20436.—H. P. Barry, lining for tube mills and other grinders and crushers.
No. 20540.—J. D. Bywater, mountings of discs in disc ploughs.
No. 20565.—A. Bradfield, jun., lifting-jack attachment.
No. 20844.—R. K. Catt, mask or face-protector.
No. 20911.—J. D. McLaurin, preventing fraud in hemp and other trades.
No. 20981.—J. McNally, fencing-dropper.
No. 21016.—C. J. Walker, boot-welting.
No. 21061.—J. S. Raworth, controller for electrically propelled vehicles.
No. 21062.—P. C. Lawless, internal-combustion engine.
No. 21100.—S. J. E. Jorgensen, loading cargo.
No. 21155.—A. Arton, wireless telegraphy receiving-apparatus.
No. 21174.—J. B. Carroll, acetylene-burner.
No. 21187.—H. Irwin, bird-alarm.
No. 21197.—A. James, extraction of gold from ores.
No. 21240.—I. W. Cadle and A. C. Cadle, method of hermetically sealing receptacles for preserves, &c. (W. W. Cadle.)
No. 21298.—W. Jamieson, wood-clamping machine.
No. 21333.—A. J. Fortescue, sectional wheel-tires.
No. 21359.—E. A. Gieseler, gravity filter.
No. 21366.—J. F. Clarke, method of filling bottles with liquid.
No. 21400.—R. Newman, detachable cake-tin.
No. 21498.—J. Bates, hot-water cistern.
No. 21635.—J. R. Parks, ore-treatment.
No. 21645.—G. Euston and H. S. Williams, step-ladder.
No. 21660.—A. H. and D. J. Byron, band-cutter, sheaf-carrier, and feeder for threshing-machine.
No. 21671.—E. C. Powell, C. MacArthur, and F. Smith, rotary engine.
No. 21715.—E. T. J. A. Munro and D. J. Chandler, tool for branding animals.
No. 21719.—P. Price, S. Hill, A. Taylor, A. and W. P. McElhone, and H. S. Bracy, trading as the "Acme Manufacturing Company," nail-making machine.
No. 21738.—C. R. Rogers, winnowing and seed-grading apparatus.
No. 21744.—J. C. Drewet, trolly-head.
No. 21761.—H. W. Pennington, marking-board.
No. 21763.—J. C. Fountain and J. E. Wilkinson, exhaust-condenser.
No. 21787.—Aktieselskabet Burmeister & Wains Maskin- og Skibsbyggeri, centrifugal drum or apparatus. (B. A. O. Prollius.)
No. 21832.—W. Middleton and H. N. G. Cobbe, grinding-pan.
No. 21857.—P. de Boklevsky, centrifugal amalgamator.
No. 21858.—P. McKay, G. Eather, A. Gericke, and J. Hogan, drill-chuck.
No. 21859.—M. W. W. Mackie, dynamo electric machine and electric motor.
No. 21862.—F. Jennings, ledger.
No. 21929.—A. J. Reid, railway, &c., brake.
No. 21930.—F. Blanckensee, G. McMullen, and F. Mosey, gravity-fed arc lamp.
No. 21949.—E. A. Barnes, means for perforating cheques, &c.

Letters Patent on which Fees have been paid.

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

SECOND-TERM FEES.

NO. 15546.—T. Roberts, ventilating-window. 21st January, 1907.
No. 15894.—G. Hutchinson, milking-machine. 23rd January, 1907.
No. 15908.—The British Westinghouse Electric and Manufacturing Company, Limited, electric railway signalling system. (W. E. Hughes—G. Gibbs.) 21st January, 1907.
No. 15909.—A. B. Gill, electrically lighting railway-trains. 21st January, 1907.
No. 15920.—T. Morris, rabbit-trap, &c., peg. 26th January, 1907.
No. 15933.—J. Holms, jun., coupling-link. 30th January, 1907.
No. 16015.—D. Clark, thinning plants. 4th February, 1907.
No. 16077.—F. E. Elmore, generating electric currents. 23rd January, 1907.
No. 16133.—Sir W. G. Armstrong, Whitworth and Co., Limited, buffer. (R. Wright.) 23rd January, 1907.
No. 16169.—Cooper-Hewitt Electric Company, transforming electrical energy. (J. T. Hunter—P. C. Hewitt.) 21st January, 1907.
No. 16183.—M. Campbell, dressmakers' chart. (M. E. McLeod.) 26th January, 1907.
No. 16230.—Cooper-Hewitt Electric Company, vapour path for electric current. (W. E. Hughes — P. C. Hewitt.) 21st January, 1907.
No. 16537.—G. Westinghouse, electric-motor-controlling system. (W. E. Hughes — G. Westinghouse.) 21st January, 1907.

THIRD-TERM FEES.

No. 12335.—W. S. and C. I. Corby and T. J. Mayer, making dough for bread. 23rd January, 1907.
No. 12452.—F. E. Elmore, separating ores. 4th February, 1907.
No. 12562.—S. G. Brown, telegraphic apparatus. 21st January, 1907.
No. 12632.—E. R. Hill, electro-pneumatic controlling apparatus. 21st January, 1907.

Subsequent Proprietors of Letters Patent registered.

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

NO. 20104.—Jacob Schayer Schwartz, of Christchurch, New Zealand. Injecting sterilised air into cow's udder. [G. Scott.] 4th February, 1907.
No. 20540.—The Cockshutt Plow Company, Limited, having a place of business at Brantford, Canada. Mountings of discs in disc ploughs. [J. D. Bywater.] 31st January, 1907.
No. 20586.—The Grondal Kjellin Company, Limited, of 20 Abchurch Lane, London, E.C., England, Metallurgists. Treatment of ores. [E. Phillips—P. Gredt.] 4th February, 1907.
The British Westinghouse Electric and Manufacturing Company, Limited, of Westinghouse Building, Norfolk Street, Strand, in the City of Westminster, England, Manufacturers.
No. 20867.—Securing vanes of turbine. [J. H. Wagenhorst.]
No. 20868.—Securing vanes of turbine. [E. E. Arnold.]
No. 20869.—Securing vanes of turbine. [E. E. Arnold.]
No. 20881.—Securing vanes of turbine. [C. E. Sweet.]
31st January, 1907.

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 24th January to the 6th February, 1907, inclusive:—

No. 20904.—G. T. Bennett, construction of wooden towers.
No. 20906.—T. Walters, utilising waste heat of stoves.
No. 20907.—T. Walters, automatic damper for stove.
No. 20910.—G. W. Westropp and J. G. Harper, harness.
No. 20913.—R. Walker, mitre-box.

No. 20916.—A. A. Holdsworth, overall garment.
No. 20917.—J. U. Taylor, bicycle-pump.
No. 20918.—E. H. Smith, wire-strainer.
No. 20919.—A. Reid, coulter of plough.
No. 20920.—A. McLean, motor-car wheel.
No. 20921.—F. W. Smith, method of drawing off liquids.
No. 20923.—J. T., W. S., and C. J. H. Payne, and A. W. Smith, railway-vehicle coupling.
No. 20924.—K. Matthews, manufacture of tobacco.
No. 20925.—R. O. Samuel and F. C. Carter, butter-cutter.
No. 20928.—E. L. Lundstrom, sheaf-band cutter.
No. 20931.—C. Perkins, jewel-pin catch.
No. 20938.—T. W. Watson, gas-regulator.
No. 20940.—A. Mackay, safety strap for ladder.
No. 20945.—A. Potter, tobacco-cutter.
No. 20947.—W. E. Chamberlain, water-supply.
No. 20948.—R. Buck and D. H. K. McGuinness, tire removing and replacing tool.
No. 20950.—J. M. Youngson, swingletree.
No. 20953.—H. E. McDonald, method of attaching graders' certificates to bales of flax.
No. 20959.—J. Wilson, door, &c., fastener.
No. 20962.—F. H. Cooper, trolly-head.
No. 20963.—W. Bennet, dress-fastener.
No. 20964.—M. A. Browne, cinder-sieve.
No. 20965.—W. Clarke and K. te Huki, braces.
No. 20966.—W. H. Kinvig, nail.
No. 20967.—J. Rattray and G. Eason, poison-ejector.

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 24th January to the 6th February, 1907, inclusive:—

No. 20270.—W. W. Gundrie, fencing-dropper.

Applications for Letters Patent lapsed.

LIST of Letters Patent lapsed, owing to Letters Patent not being sealed, from the 24th January to the 6th February, 1907, inclusive:—

No. 19808.—C. M. Graham, register grate.
No. 19817.—H. Brown, rain-water collector.
No. 19823.—C. J. Waugh, valve (steam or water).
No. 19835.—F. Edwards, method of injecting air into cow's udder.
No. 19837.—L. Healy, swingletree.
No. 19840.—H. Quertier, trolly-pole.

Letters Patent void.

LIST of Letters Patent void through non-payment of renewal fees, and through expiry of term of fourteen years, from the 24th January to the 6th February, 1907, inclusive:—

THROUGH NON-PAYMENT OF SECOND-TERM FEES.

No. 15551.—J. M. Phillipps, windmill.
No. 15552.—W. F. Slack, ventilator.
No. 15558.—W. Swinnerton, stand for ironing-board.
No. 15560.—M. W. Lane, propeller-hood.
No. 15561.—T. C. Hatton, carriage-spring.
No. 15568.—F. W. Hayes, punkah for chair.
No. 15570.—A. H. Brownley, advertising parcel-grip.
No. 15576.—International Fuel Company, artificial fuel briquets. (W. A. Köneman.)
No. 15577.—W. A. Köneman, pulverising-apparatus.
No. 15578.—The Flameless Gaslight Company, Limited, incandescent burner. (W. Hooker.)
No. 15579.—The British Westinghouse Electric and Manufacturing Company, Limited, electric tram-car brake. (J. T. Hunter—G. A. Trube and W. Chapman.)
No. 15581.—H. Bland, elastic-fluid compression.
No. 15582.—F. T. H. M. J. Marcard, reciprocating motor.
No. 15583.—W. Mayne, engine valve-gear.
No. 15588.—J. Robertson, ditch-plough.
No. 15592.—W. J. Dalton, telescopic tap.
No. 15595.—F. A. B. Stuart, bird-trap.
No. 15600.—I. Trolley, harvester.
No. 15602.—W. E. Coleman, electric fan.
No. 15609.—G. H. Airey, loading vessels.
No. 15610.—J. L. McMillan, rotary engine.
No. 15613.—T. Mutton and H. E. Hupton, advertising-stand.

THROUGH NON-PAYMENT OF THIRD-TERM FEES.

No. 12119.—Fraser and Chalmers, Limited, pump. (J. Stumpf.)
No. 12122.—A. P. Schmucker, L. D. Sweet, and G. E. Ross-Lewin, rock-drill.
No. 12129.—C. H. Izard, gold-extraction. (J. B. de Alzugaray.)

THROUGH EXPIRY OF TERM.

No. 6012.—V. F. L. Smidth, sand cement.
No. 6019.—Dunlop Rubber Company of Australasia, Limited, rubber tire. (The Pneumatic Tire and Booth's Cycle Agency, Limited—C. Kingston.)
No. 6029.—S. Morrell, sash-fastener.

Designs registered.

DESIGNS have been registered in the following names on the dates mentioned:—

No. 313.—James Edward Williams, of Greymouth, in the Colony of New Zealand, Tailor. Class 3. 21st January, 1907.

No. 314.—John White and Frederick Marsh, trading as "White and Marsh," of 30A Taranaki Street, Wellington, in the Colony of New Zealand, Brush and Broom Manufacturers. Class 3. 23rd January, 1907.

Design expired.

THE copyright in the following design has expired:—

No. 145.—Louis Schatz and Co., of Wellington, New Zealand. Class 2. (Brooch.)

Applications for Registration of Trade Marks.

Patent Office,
Wellington, 6th February, 1907.

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: 5696.
Date: 28th December, 1905.

TRADE MARK.

The word

"RONEO."

NAME.

RONEO LIMITED, of 64 Great Eastern Street, London, E.C., England.

No. of class: 39.

Description of goods: Duplicating-machines, ink, paper, and such other supplies for duplicating-machines as are included in Class 39.

No. of application: 6027.
Date: 26th June, 1906.

TRADE MARK.

NAME.

STAVANGER PRESERVING COMPANY, of Stavanger, Norway.

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

No. of application: 6373.
Date: 6th December, 1906.

TRADE MARK.

The word

"ORIENT."

NAME.

T. H. GREEN AND Co., of 162–164 Tuam Street, Christchurch, in the Colony of New Zealand, Bacon-curers and General Merchants.

No. of class: 47.
Description of goods: Candles and common soap.

No. of application: 6374.
Date: 7th December, 1906.

TRADE MARK.

The essential particulars of this trade mark are the device and the word "Peacock"; and applicants disclaim any right to the exclusive use of the words "Trade mark registered" and "brand."

NAME.

THE STANDARD PAINT COMPANY, of 100 William Street, New York, United States of America, Manufacturers.

No. of class: 39.

Description of goods: Insulating or building papers such as are used in the construction of buildings, including the roofs thereof; paper for wrapping up merchandise, lining packing-cases, and the like.

No. of application: 6414.
Date: 10th January, 1907.

TRADE MARK.

The essential particulars of this trade mark are the devices, the words "Amur Khan," and the distinctive label; and applicants disclaim any right to the exclusive use of the added matter.

NAME.

D. BENJAMIN AND Co., of Dowling Street, Dunedin, in the Colony of New Zealand, Merchants.

No. of class: 48.

Description of goods: Hair-washes, and preparations for the hair.

No. of application: 6418.
Date: 11th January, 1907.

TRADE MARK.

The word

"SEDDONINE."

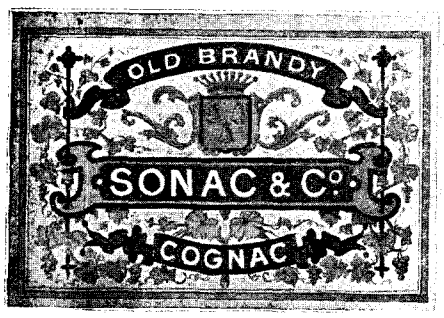
NAME.

WILLIAM SEDDON, of 27 Fort Street, Auckland, in the Colony of New Zealand, Manufacturer.

No. of class: 3.
Description of goods: Medicine.

No. of application: 6422.
Date: 14th January, 1907.

TRADE MARK.



The essential particular of this trade mark is as follows—the combination of devices; and applicants disclaim any right to the exclusive use of the added matter, except in so far as it consists of their trading name.

NAME.

J. G. MONNET ET CIE, of Cognac, France, Brandy-shippers, trading as "Société des Proprietaires vinicoles de Cognac" and as "Sonac and Co."

No. of class: 43.
Description of goods: Brandy.

No. of application: 6433.
Date: 19th January, 1907.

TRADE MARK.

The word

"ACME."

NAME.

NEIL ROSS, of Berwick, in the Colony of New Zealand, Farmer.

No. of class: 6.
Description of goods: Cask and barrel tilters.

No. of application: 6434.
Date: 19th January, 1907.

TRADE MARK.

The essential particulars of this trade mark are the word "Leader" and the combination of devices; and applicants disclaim any right to the exclusive use of the added matter, except their name and address.

NAME.

H. BROWN AND CO., of Thames Street, Oamaru, in the Colony of New Zealand, Cycle-manufacturers.

No. of class: 22.
Description of goods: Bicycles, motor-bicycles, and motor cars.

No. of application: 6435.
Date: 21st January, 1907.

TRADE MARK.

The essential particulars of this trade mark are the distinctive label, including the device of a hand and arm holding a dolly, and a lantern throwing rays of light as depicted, and the word "Lantern"; and applicants disclaim any right to the exclusive use of the added matter, with the exception of the name "Hudson's" and the addresses.

NAME.

ROBERT WILLIAM HUDSON, trading as "R. S. Hudson," at Bank Hall, Liverpool, in the County of Lancaster, and West Bromwich, in the County of Stafford, both in England, Chemical-manufacturer.

No. of class: 47.
Description of goods: Soap.

No. of application: 6436.
Date: 21st January, 1907.

TRADE MARK.

(The mark as shown in preceding notice, No. 6435.)

The essential particulars of this trade mark are the distinctive label, including the device of a hand and arm holding a dolly, and a lantern throwing rays of light as depicted, and the word "Lantern"; and applicants disclaim any right to the exclusive use of the added matter, with the exception of the name "Hudson's" and the addresses.

NAME.

ROBERT WILLIAM HUDSON, trading as "R. S. Hudson," at Bank Hall, Liverpool, in the County of Lancaster, and West Bromwich, in the County of Stafford, both in England, Chemical-manufacturer.

No. of class: 48.
Description of goods: Perfumed soap.

No. of application: 6437.
Date: 23rd January, 1907.

TRADE MARK.

NAME.

KESSLER AND CO., LIMITED, of Vicar Lane, Bradford, in England, Merchants and Manufacturers.

No. of class: 24.
Description of goods: Cotton piece-goods.

No. of application: 6440.
Date: 24th January, 1907.

TRADE MARK.

The word

"TARVIA."

NAME.

BARRETT MANUFACTURING COMPANY, of New York, United States of America, Distillers of Coal-tar, Manufacturers of Roofing-materials.

No. of class: 50.
Description of goods: Dressing for macadamised or other roadways.

No. of application: 6441.
Date: 24th January, 1907.

TRADE MARK.

The word

HISTOGÉNOL

NAME.

ABEL NALINE, of 82 Rue de Paris, Saint Denis, France, Chemist.

No. of class: 3.
Description of goods: Pharmaceutical products.

No. of application: 6442.
Date: 25th January, 1907.

TRADE MARK

The word

"GOVERNOR."

NAME.

J. B. CLARKSON, LIMITED, of Church Street, Palmerston North, in the Colony of New Zealand, Cycle, Motor, and General Importers.

No. of class: 13.
Description of goods: Metal goods used in connection with bicycles and bicycle accessories, and motors of every description.

No. of application: 6443.
Date: 25th January, 1907.

TRADE MARK.

The word

"GOVERNOR."

NAME.

J. B. CLARKSON, LIMITED, of Church Street, Palmerston North, in the Colony of New Zealand, Cycle, Motor, and General Importers.

No. of class: 22.
Description of goods: Bicycles, motor-bicycles, motor-cars, and motor-carriages of every description.

No. of application: 6444.
Date: 25th January, 1907.

TRADE MARK.

The word

"GOVERNOR."

NAME.

J. B. CLARKSON, LIMITED, of Church Street, Palmerston North, in the Colony of New Zealand, Cycle, Motor, and General Importers.

No. of class: 37.
Description of goods: Leather goods used in connection with bicyles, motor-cars, and motor-carriages of every description.

No. of application: 6445.
Date: 25th January, 1907.

TRADE MARK.

The word

"GOVERNOR."

NAME.

J. B. CLARKSON, LIMITED, of Church Street, Palmerston North, in the Colony of New Zealand, Cycle, Motor, and General Importers.

No. of class: 40.

Description of goods: Rubber tires and all rubber goods used in connection with bicycles, motor-cars, and motor-carriages of every description.

No. of application: 6446.
Date: 28th January, 1907.

TRADE MARK.

The word

"CUEROL."

NAME.

HENRY ALEXANDER CHRISTENSEN, of Taihape, in the Colony of New Zealand, Commercial Traveller.

No. of class: 3.

Description of goods: Herbal ointment.

No. of application: 6447.
Date: 28th January, 1907.

TRADE MARK.

NAME.

R. S. TONKINSON AND Co., of Princes Street, Dunedin, in the Colony of New Zealand, Cycle and Motor-engine Manufacturers.

No. of class: 6.

Description of goods: Oil and gas engines.

No. of application: 6450.
Date: 29th January, 1907.

TRADE MARK.

The word

"CUROSIK."

NAME.

ROBERT STEELE POLSON, care of Customhouse Quay, Wellington, in the Colony of New Zealand.

No. of class: 3.

Description of goods: Wafer cure for seasickness.

No. of application: 6453.
Date: 2nd February, 1907.

TRADE MARK.

The word

"ORB."

NAME.

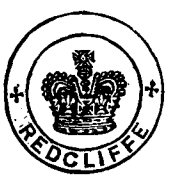
JOHN LYSAGHT, LIMITED, of St. Vincent Ironworks, Bristol, in England, Iron-manufacturers and Galvanisers.

No. of class: 13.

Description of goods: Wire netting, ridge-capping, guttering, downpipe, cisterns, tanks, hollowware, agricultural feeding requisites, and other goods included in this class.

No. of application: 6455.
Date: 2nd February, 1907.

TRADE MARK.



The applicants claim that the said trade mark has been used by them and their predecessors in business in respect of the article mentioned for upwards of three years before 2nd day of September, 1889.

NAME.

JOHN LYSAGHT, LIMITED, of St. Vincent Ironworks, Bristol, in England, Iron-manufacturers and Galvanisers.

No. of class: 13.

Description of goods: Wire netting.

J. C. LEWIS,
Deputy Registrar.

Trade Marks registered.

LIST of Trade Marks registered from the 29th January to the 5th February, 1907, inclusive:—

No. 4904/5922.—G. S. Robertson. Class 1. (*Gazette* No. 35, of the 3rd May, 1906.)

No. 4905/6046.—A. R. Hislop. Class 50. (*Gazette* No. 64, of the 26th July, 1906.)

No. 4906/6146.—Block Light Company. Class 50. (*Gazette* No. 96, of the 15th November, 1906.)

No. 4907/6331.—T. McKenzie. Class 47. (*Gazette* No. 96, of the 15th November, 1906.)

No. 4908/6299.—La Maria Cristina Cigar and Cigarette Factory, Limited. Class 45. (*Gazette* No. 96, of the 15th November, 1906.)

No. 4909/6300.—La Maria Cristina Cigar and Cigarette Factory, Limited. Class 45. (*Gazette* No. 96, of the 15th November, 1906.)

No. 4910/6301.—H. E. Partridge. Class 45. (*Gazette* No. 96, of the 15th November, 1906.)

No. 4911/6302.—H. E. Partridge. Class 13. (*Gazette* No. 96, of the 15th November, 1906.)

No. 4912/6303.—H. E. Partridge. Class 49. (*Gazette* No. 96, of the 15th November, 1906.)

No. 4913/6304.—H. E. Partridge. Class 50. (*Gazette* No. 96, of the 15th November, 1906.)

No. 4914/5706.—W. Hunt and Sons. Class 12. (*Gazette* No. 74, of the 23rd August, 1906.)

No. 4915/5707.—W. Hunt and Sons. Class 13. (*Gazette* No. 74, of the 23rd August, 1906.)

No. 4916/5951.—R. H. Wall. Class 13. (*Gazette* No. 68, of the 9th August, 1906.)

No. 4917/5952.—R. H. Wall. Class 38. (*Gazette* No. 68, of the 9th August, 1906.)

No. 4918/6007.—H. and B. Andrew. Class 2. (*Gazette* No. 74, of the 23rd August, 1906.)

No. 4919/6029.—The Oliver Typewriter Company. Class 6. (*Gazette* No. 59, of the 12th July, 1906.)

No. 4920/6030.—Revere Rubber Company. Class 50. (*Gazette* No. 74, of the 23rd August, 1906.)

No. 4921/6031.—J. E. Norman. Class 39. (*Gazette* No. 59, of the 12th July, 1906.)

No. 4922/6032.—J. Taylor. Class 38. (*Gazette* No. 59, of the 12th July, 1906.)

No. 4923/6041.—The Welsbach Light Company of Australasia, Limited. Class 18. (*Gazette* No. 59, of the 12th July, 1906.)

No. 4924/6045.—Perry and Co., Limited. Class 39. (*Gazette* No. 64, of the 26th July, 1906.)

No. 4925/6051.—C. E. Fulford. Class 3. (*Gazette* No. 93, of the 1st November, 1906.)

No. 4926/6053.—C. E. Fulford. Class 48. (*Gazette* No. 81, of the 20th September, 1906.)

No. 4927/6058.—International Harvester Company of America. Class 7. (*Gazette* No. 64, of the 26th July, 1906.)

No. 4928/6059.—The Hedworth Barium Company, Limited. Class 1. (*Gazette* No. 68, of the 9th August, 1906.)

No. 4929/6060.—The Hedworth Barium Company, Limited. Class 2. (*Gazette* No. 68, of the 9th August, 1906.)

No. 4930/6061.—The Hedworth Barium Company, Limited. Class 3. (*Gazette* No. 68, of the 9th August, 1906.)

No. 4931/6062.—H. and H. E. Law. Class 3. (*Gazette* No. 64, of the 26th July, 1906.)

No. 4932/6063.—Marshall's Chemical Company, Limited. Class 2. (*Gazette* No. 64, of the 26th July, 1906.)

No. 4933/6066.—The Breathlets Company. Class 42. (*Gazette* No. 64, of the 26th July, 1906.)

No. 4934/6068.—Blakey's Boot-protectors, Limited. Class 50. (*Gazette* No. 81, of the 20th September, 1906.)

No. 4935/6078.—J. G. Turney and Son, Limited. Class 43. (*Gazette* No. 74, of the 23rd August, 1906.)

No. 4936/6083.—Spray, Bird, and Co. Class 50. (*Gazette* No. 68, of the 9th August, 1906.)

No. 4937/6084.—Fiddes, Todd, and Corry, Limited. Class 27. (*Gazette* No. 68, of the 9th August, 1906.)

No. 4938/6097.—J. Ullrich. Class 39. (*Gazette* No. 77, of the 6th September, 1906.)

No. 4939/6098.—J. Ullrich. Class 39. (*Gazette* No. 77, of the 6th September, 1906.)

No. 4940/6102.—L. Friedenreich. Class 42. (*Gazette* No. 68, of the 9th August, 1906.)

No. 4941/6106.—J. Dickinson and Co., Limited. Class 39. (*Gazette* No. 74, of the 23rd August, 1906.)

No. 4942/6107.—J. Dickinson and Co., Limited. Class 39. (*Gazette* No. 74, of the 23rd August, 1906.)

No. 4943/6108.—McLeod and Son. Class 50. (*Gazette* No. 74, of the 23rd August, 1906.)

No. 4944/6124.—Coignet et Cie. Class 42. (*Gazette* No. 74, of the 23rd August, 1906.)

No. 4945/6161.—The Gourock Ropework Company, Limited. Class 50. (*Gazette* No. 81, of the 20th September, 1906.)

No. 4946/6162.—J. Dickinson and Co., Limited. Class 39. (*Gazette* No. 88, of the 18th October, 1906.)

No. 4947/6187.—Chassaing et Cie. Class 42. (*Gazette* No. 84, of the 4th October, 1906.)

No. 4948/6248.—The Cudahy Packing Company. Class 47. (*Gazette* No. 88, of the 18th October, 1906.)

No. 4949/6249.—The Cudahy Packing Company. Class 50. (*Gazette* No. 88, of the 18th October, 1906.)

No. 4950/6260.—M., S., and R. M. Simmons. Class 45. (*Gazette* No. 88, of the 18th October, 1906.)

No. 4951/6262.—J. H. Maclin and Son. Class 45. (*Gazette* No. 88, of the 18th October, 1906.)

No. 4952/6263.—J. H. Maclin and Son. Class 45. (*Gazette* No. 88, of the 18th October, 1906.)

No. 4953/6264.—Ware-Kramer Tobacco Company. Class 45. (*Gazette* No. 88, of the 18th October, 1906.)

No. 4954/6276.—A. Usher and Co. Class 43. (*Gazette* No. 88, of the 18th October, 1906.)

No. 4955/6323.—J. Avery. Class 45. (*Gazette* No. 96, of the 15th November, 1906.)

No. 4956/5742.—A. Bayer. Class 3. (*Gazette* No. 10, of the 8th February, 1906.)

No. 4957/6332.—W. Simpson. Class 45. (*Gazette* No. 96, of the 15th November, 1906.)

No. 4958/6345.—R. H. Froude. Class 14. (*Gazette* No. 99, of the 29th November, 1906.)

Trade Mark Renewal Fees paid.

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

No. 705/567.—13th February, 1907.—W. Chrystall, of Christchurch, New Zealand. 24th January, 1907.

Nos. 710/584 and 711/585.—21st February, 1907.—J. Robertson and Son, Limited, of Dundee, Scotland. 23rd January, 1907.

No. 719/556.—28th February, 1907.—R. Hobbs, of Auckland, New Zealand. 29th January, 1907.

Nos. 722/628, 723/629, 724/630, 725/631, and 726/632.—6th March, 1907.—A. Thomson, of Dunedin, New Zealand. 23rd January, 1907.

Nos. 758/586 and 759/587.—10th April, 1907.—Udolpho Wolfe Co., of New York, U.S.A. 24th January, 1907.

Nos. 794/802, 795/803, and 796/823.—19th May, 1907.—British-American Tobacco Company, Limited, of London, England. 23rd January, 1907.

Trade Marks removed from the Register.

TRADE Marks removed from the Register, owing to the non-payment of the renewal fees, from the 24th January to the 6th February, 1907, inclusive:—

No. 599/465.—25th October, 1892.—A. H. Tompkins, of Halcombe, New Zealand. Class 42.

No. 600/474.—26th October, 1892.—W. W. Corpe, of Makino, New Zealand. Class 42.

No. 604/517.—29th October, 1892.—National Bank of New Zealand, Limited, of London and New Zealand. Class 42.

No. 611/509.—29th October, 1892.—D. Louis, of Sydney, New South Wales. Class 45.

No. 612/547.—29th October, 1892.—J. Tyrrell, of Queenstown, New Zealand. Class 6.

No. 613/519.—31st October, 1892.—W. Moriarty, of Carterton, New Zealand. Class 42.

No. 617/511.—1st November, 1892.—W. Mitchell, of Melbourne, Victoria. Class 42.

Subsequent Proprietor of Trade Mark registered.

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

NO. 796/823.—British-American Tobacco Company, Limited, whose registered office is situate at Cecil Chambers, 86 Strand, London, England, Tobacco-manufacturers. [S. Mitchell and Son.] 25th January, 1907.

Application for Trade Mark withdrawn.

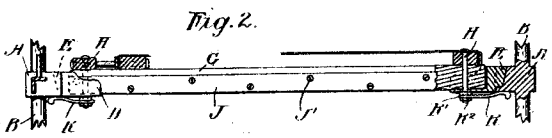
THE following application for Trade Mark has been withdrawn:—

No. 6358.—H. A. and B. C. Christensen. (Advertised in Supplement to *New Zealand Gazette*, No. 105, of the 13th December, 1906.)

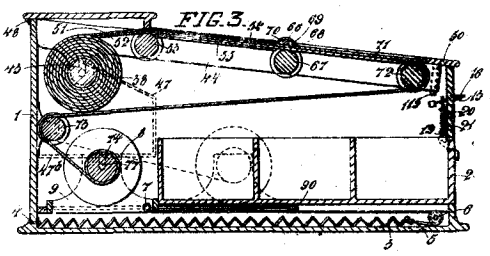
By Authority: JOHN MACKAY, Government Printer, Wellington.

ILLUSTRATIONS OF INVENTIONS.

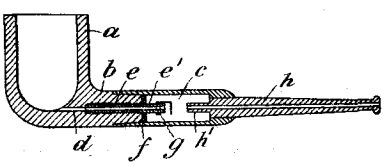
[These illustrations refer to the complete specifications accepted, and advertised in this *Gazette*.]



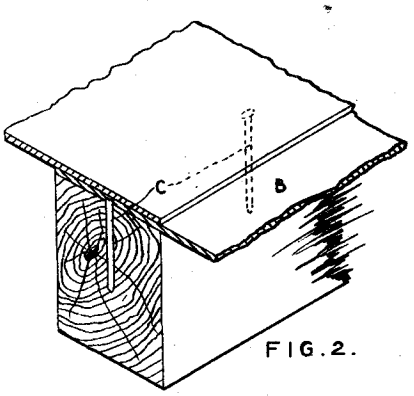
20612
Stephenson. Bedstead and Mattress.



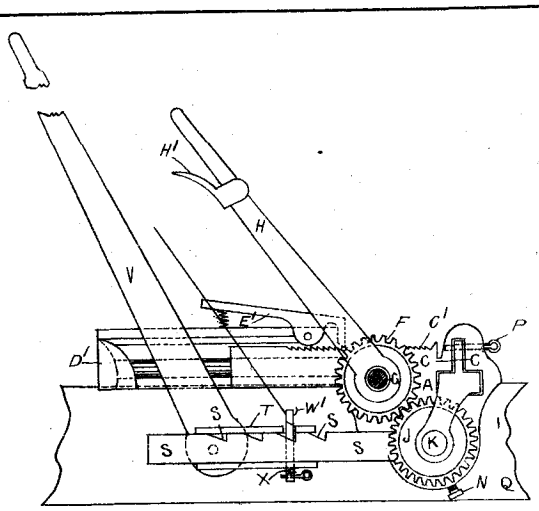
21166
Trevellian. Cash-register.



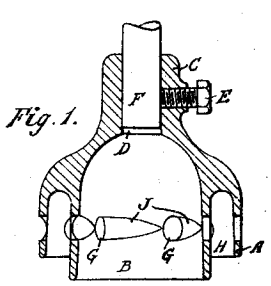
20662
Kenna. Pipe.

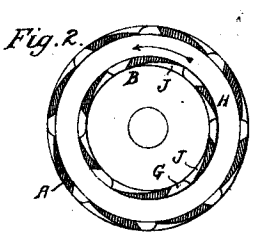


21716
Baldwin. Roofing.

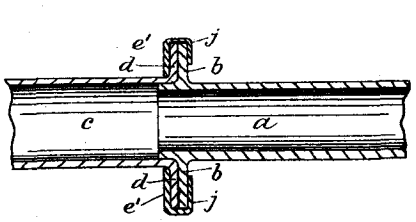


20776
Gazzard. Cramp.

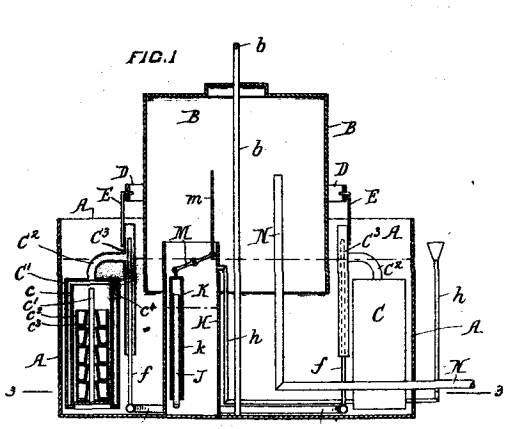




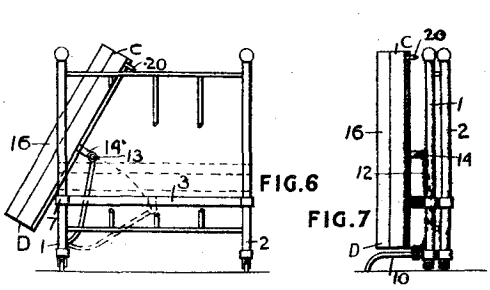
21820
Adams, Sears, and Fair. Churn.



20798
Hughes. Spout-joint.



20821
Hutchinson. Acetylene-generator.



22063
Brennan. Folding-bedstead.

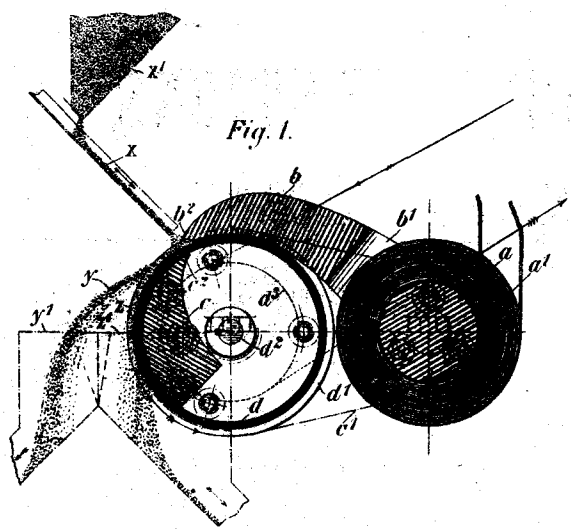
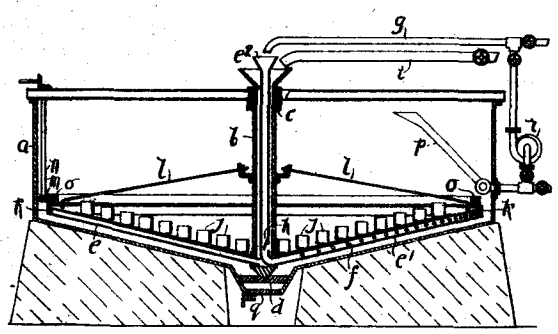


Fig. 1.

22262
Hunter. Magnetic Separator. (Edison Ore-milling Syndicate, Ltd.—Simpkin and Ballantine.)



22292
Usher. Slimes-treatment.

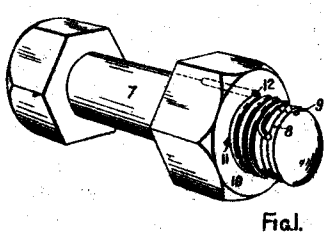


Fig.1.

22285
Baldwin and Rayward. Lock-nut. (Hubbard.)

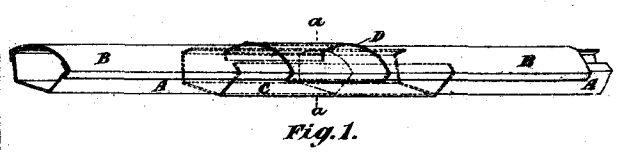


Fig. 1.

20843
Woodhouse. Conduit.

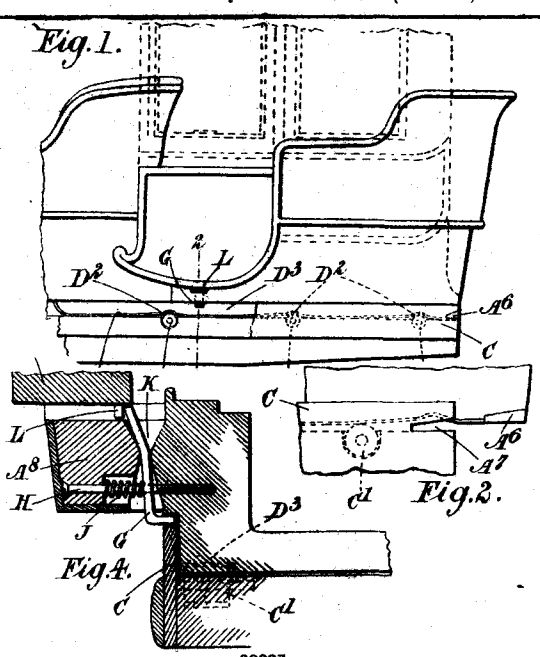
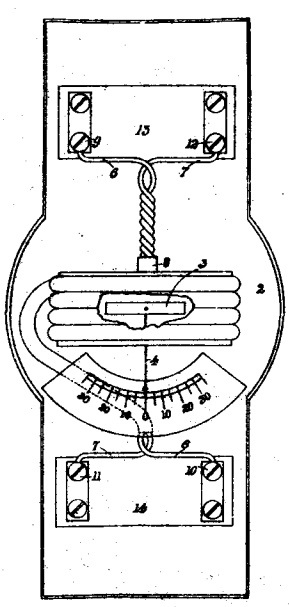


Fig. 1.

Fig. 2.

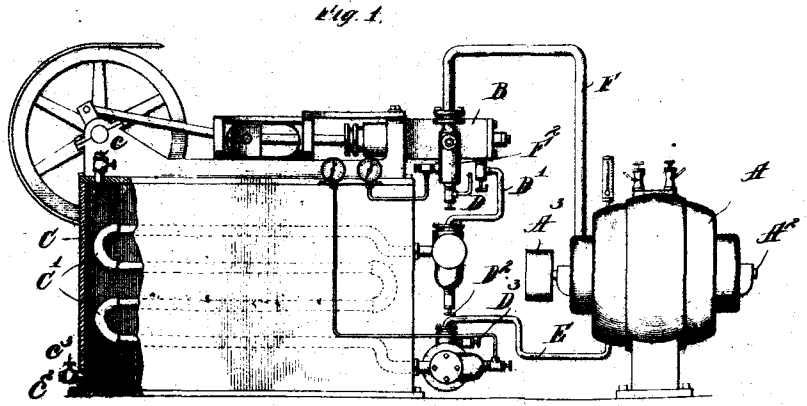
Fig. 4.

22297
Windham. Vehicle.

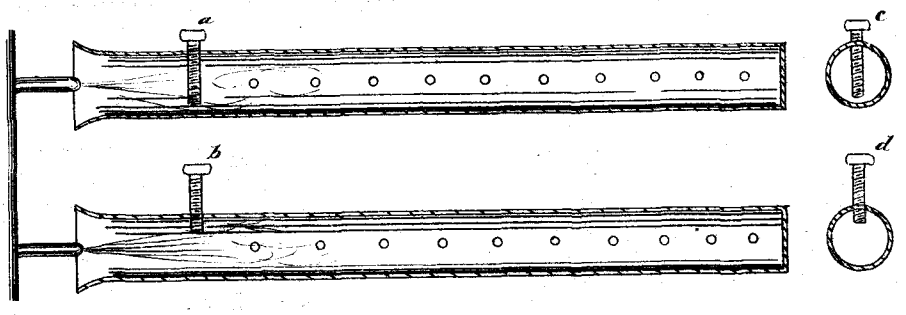


22252
J. W. Manley and The Electric Safety Appliances Company, Limited.
Electric Measurer.

Fig. 1.



22309
Bidwell. Electric Motor cooler.



21615
Adcroft. Gas-burner.

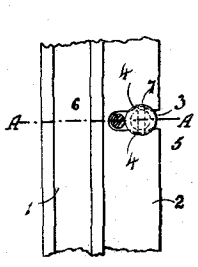


FIG. 1

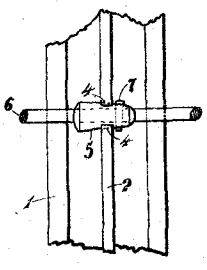


FIG. 2

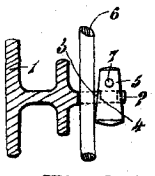


FIG. 3

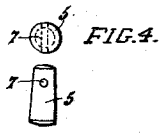


FIG. 4.

FIG. 5

22049
Boys. Fencing-standard.

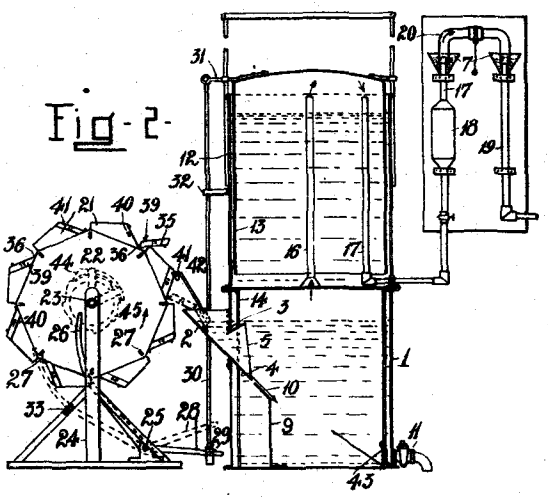


Fig-2-

22227
Houston. Acetylene-generator.

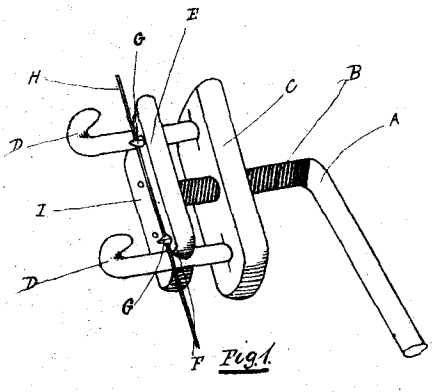


Fig.1.

22246
Hanslow. Wire-strainer.

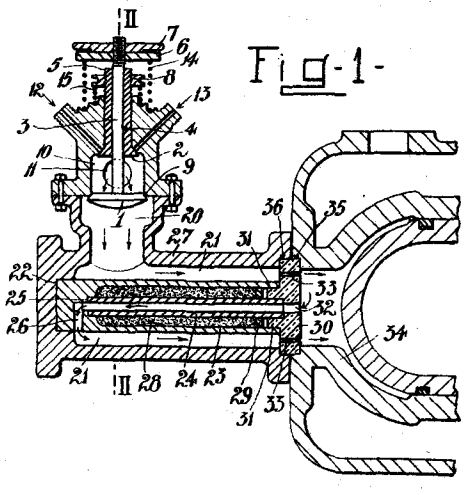


Fig-1-

22251
Humble. Gas-engine. (Schultz.)

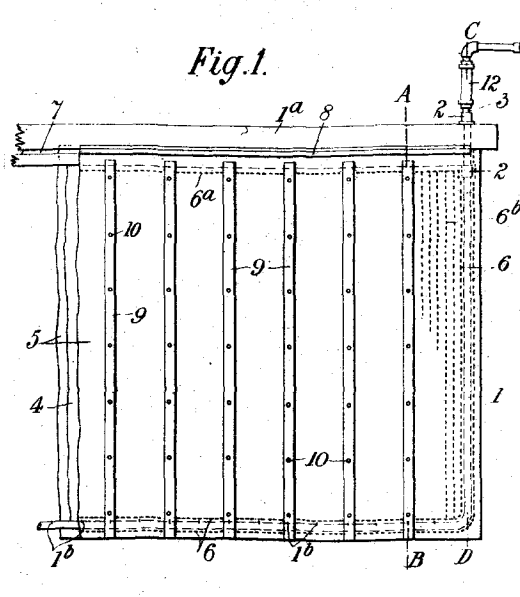


Fig.1.

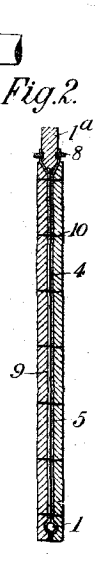


Fig.2.

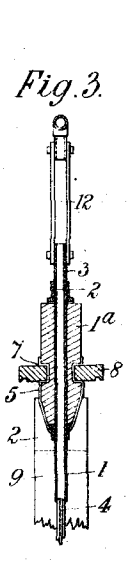


Fig.3.

22249
Butters. Slimes-filter.

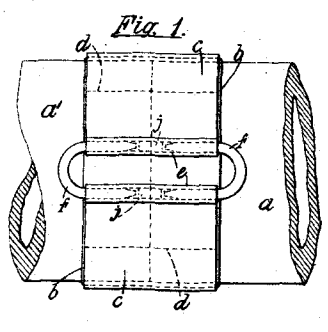
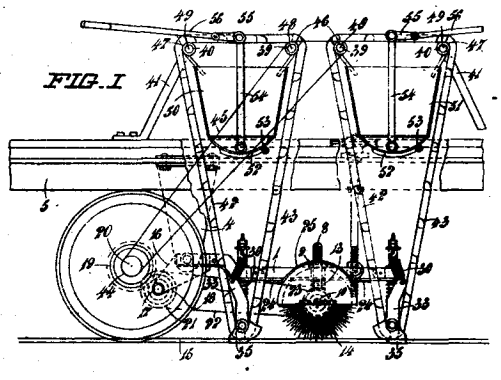
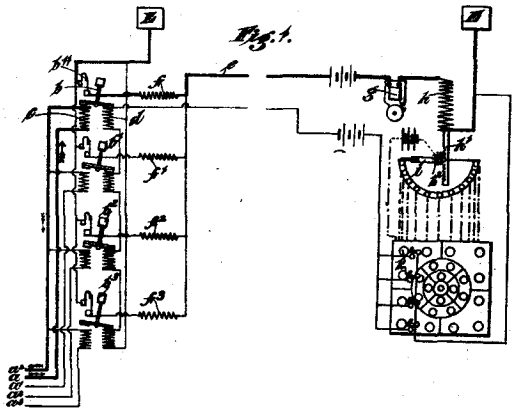


Fig. 1.

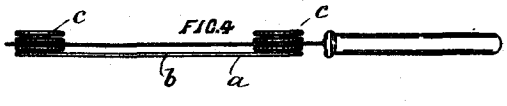
22280
Brandram. Pipe-joint.



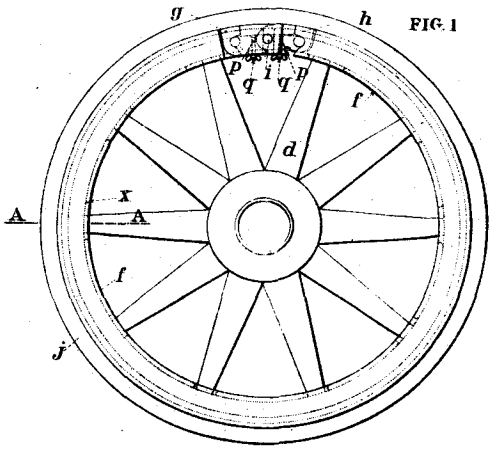
20986
Quertier. Rail-cleaner.



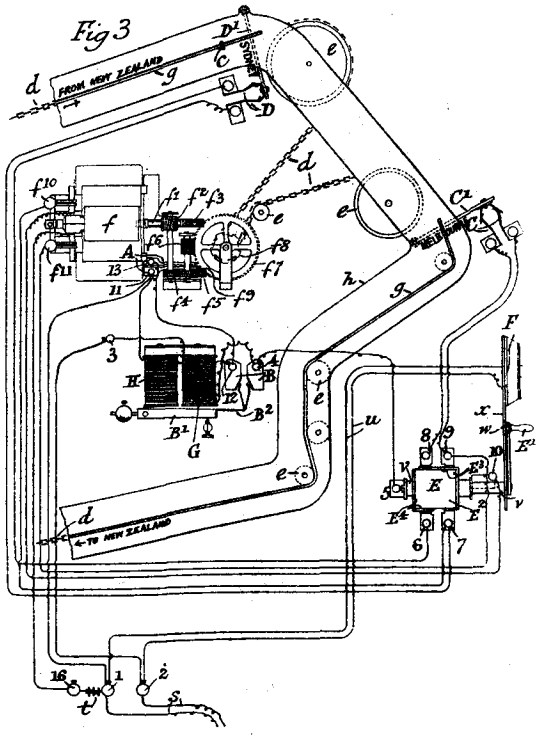
22266
Rose and Crowle. Electric Target.



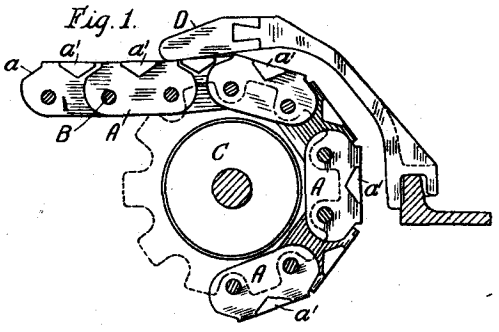
22254
Platt. Potato-peeler.



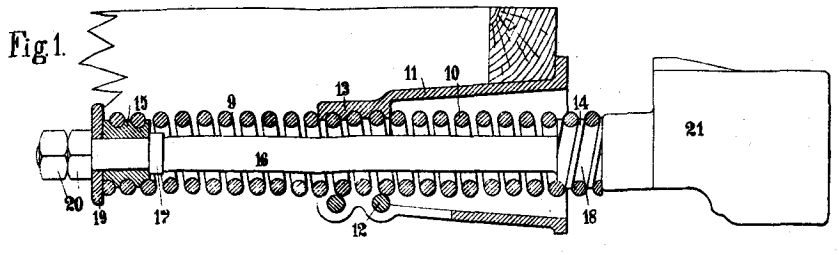
22284
Pataud. Wheel.



22283
Whittle and Turri. Progress-indicator. (Cumming.)



22298
Babcock and Wilcox, Ltd. Links for chain-grate stokers. (Parker.)



22281
Westinghouse. Draft-gear.