

together by the application of the filling N which unites the bottom with one of said corner pieces; 4th. The metallic corner piece E & F G G for application to a sectional collar; 5th. The wooden rib H located at the upper inner end of a metallic corner piece E and serving as a means of attachment for the haling of the collar; 6th. The gasket L fitted in a groove on the under side of lid K and adapted to form an air tight joint when said lid is secured to the body.

No. 6590. Improvement in Steam Traps.

(*Perfectionnement des trappes de vapeur.*)

John J. Royle, Manchester, Eng., 28th September, 1876, for 5 years.

Claim.—1st. Discharging air and water of condensation from vessels containing steam, the employment of an open bottomed condensing chamber for actuating a plug cock or valve; 2nd. The method of working the air valve of steam traps.

No. 6591. Navigator's Protractor.

(*Rapporteur de marine.*)

Joseph D. Leach and Sewall Leach, Penobscot, Me., U. S., 28th September, 1876, for 5 years.

Claim.—The card a subdivided and marked as a compass card, the rotary holder c and rule b, the holder c being so pivoted to the centre of card a as f as that one edge of rule b shall bisect pivot f, and the rule and holder being so constructed and arranged as to allow a linear adjustment of the holder and card relatively to the rule as well as a rotary adjustment of the card relatively thereto.

No. 6592. Ballot Box. (*Urne de scrutin.*)

Willoughby H. Nicolls, Barton, Ont., 28th September, 1876, for 5 years.

Claim.—The wheels A and B, the box frame C, the metal frame D, the ball E so enclosed as no other ball can work the machine, the tumbler F, the plunger H, the keeper I, the trap J, the bell L and bell lift M, the main lock N and the locks O O that secure the wheels.

No. 6593. Improvements in Fallow Cultivators. (*Perfectionnements aux cultivateurs de jachères.*)

John Richardson, Ancaster, Ont., 28th September, 1876, for 5 years.

Claim.—1st. In combination with a cultivator the movable and adjustable lower frame D for attaching the teeth thereto; 2nd. Adjusting the lower frame D by means of rock P and nuts R in front and bar O with pin e in the rear; 3rd. The ratchet wheel M and pawl N with chain Q for raising and lowering the lower frame D; 4th. The draught bar G bolted to the tongue and passing through the link H attached to hook I, and also through the bar J arranged for a light draught; 5th. The form and construction of the teeth S and with or without cutters e.

No. 6594. Navigator's Bearing Indicator.

(*Compass de repère pour les navigateurs.*)

Joseph D. Leach, Penobscot, Me., U. S., 28th September, 1876, for 5 years.

Claim.—1st. The bed d provided with the ears e e or their equivalents, the lubber mark c, revolving card h, locking screw f, standard j with its pointer m and locking screw l and the pivoted sighting tube n.

No. 6595. Sub-Aqueous Drilling Apparatus.

(*Appareil de forage sous-marin.*)

Ebenezer E. Gilbert, Montreal, Que., 28th September, 1876, for 5 years.

Claim.—1st. The boat, scow, other vessel or raft a in combination with the post whereby the vessel a may be either held in position on the water or raised above. 2nd. The vessel a, post c and drilling machine g whereby the post c serving as a guard against the action of the current or waves to the tools for boring, clearing and churning; 3rd. The combination of the post c and drilling machine g sliding thereon; 4th. The combination of the post c, drilling, clearing or loading tool k and guide i.

No. 6596. Device for Elevating and Weighing on Board of Vessels.

(*Appareil à élever et peser à bord des vaisseaux.*)

George Milson, Buffalo, N. Y., U. S., 28th September, 1876, for 5 years.

Claim.—1st. The combination in a steam or sailing vessel of the shovels J J with the drums K K, said drums working on a loose shaft h and the heads and clutches formed into a series of V-shaped friction rings; 2nd. The combination with a cargo carrying vessel of the stationary elevator or elevators constructed to telescope down and up; 3rd. A grain carrying vessel and in combination therewith the telescopic elevators and the portable telescopic weighing hoppers, spouts, &c.

No. 6597. Improvements on Atomizers.

(*Perfectionnements aux pulvérisateurs.*)

Thomas J. Holmes, Boston, Mass., U. S., 28th September 1876, for 5 years.

Claim.—The arrangement of the air valve l on the opposite side of the central portion d to that in which the discharge orifice is located; the hollow screw shank b in combination with the central portion d, bulb support e and valve support r, all cast in the same piece, and the central portion d provided with a screw thread for the reception of the upper end of the liquid tube m, in combination with the hollow screw shank b.

List of Patents issued up to 19th Oct., 1876, but not yet Officially published in the Patent Office Record.

No. 6598. E. F. Goodman, Clinton, Iowa, U. S. A., "Goodman's Movable Copy Book," 28th September, 1876.

No. 6599. J. Varney, Montreal, Que., "Varney's Improved Doid Machine," 28th September, 1876.

No. 6600. A. W. Gifford, Worcester, Mass., U. S. A., "Machine for making Metal Screws," 28th September, 1876.

No. 6601. C. H. Thompson, St. Petersburg, Pa., U. S. A., "Safety Valve," 28th September, 1876.

No. 6602. W. Porter, Ottawa, Ont., "Wood Pavement," 28th September, 1876.

No. 6603. G. H. Stansbury, Milwaukee, U. S. A., A. S. Hubbell and H. S. Hubbell, Buffalo, U. S. A., "Stove Grate," 28th September, 1876.

No. 6604. Chas. Dion, Chambly Basin, Que., and Jas. Haylin, Montreal, Que., "Tempering Furnace," 28th September, 1876.

No. 6605. C. C. Bradley, Syracuse, N. Y., U. S. A., "Harvester," 28th September, 1876.

No. 6606. C. M. Warren, Brookline, Mass., U. S. A., "Anchor Roof," 28th September, 1876.

No. 6607. J. S. Gishorse, Buckingham, Eng., "Apparatus for Transmitting Signals," 28th September, 1876.

No. 6608. J. R. Cross, New York, U. S. A., "Process of Transferring the Grain Marks of Wood," 28th September, 1876.

No. 6609. R. Menary, Orangeville, Ont., "Sleigh Brake," 2nd October, 1876.

No. 6610. O. G. Howes, W. R. Norris, J. Hall and O. W. Sheldon, Fort Anne, N. Y., U. S. A., "Diagonal Door Planing Machine," 2nd October, 1876.

No. 6611. Geo. Campbell and J. Oakley, Toronto, Ont., "Safety Sleigh," 2nd October, 1876.

No. 6612. F. Behr, Frankfurt, U. S. A., and E. W. Lippert, Cincinnati, U. S. A., "Self-Closing Valve," 2nd October, 1876.

No. 6613. D. A. Sutherland, Lynn, Mass., U. S. A., "Grooved Stay," 2nd October, 1876.

No. 6614. J. Filion, St. Eustache, Que., "Le Chariot Epierreur," 2nd October, 1876.

No. 6615. R. S. Koll, Pittsburgh, Pa., U. S. A., "Circulating Device for Steam Boiler," 2nd October, 1876.

No. 6616. J. R. Reynolds Essex Centre, Vt., U. S. A., "The Lightning Corn Dropper," 2nd October, 1876.

No. 6617. D. Aikman, Montreal, Que., "Curing Treat Fuel," 2nd October, 1876.

No. 6618. J. Briggs, Toronto, Ont., "Flue Ventilator for Apartments," 2nd October, 1876.

No. 6619. S. Martin, Hart, Ont., "Potato Digger," 2nd October, 1876.

No. 6620. J. M. Ayer, Chicago, Ill., U. S. A., "Rubber Refrigerator Car," 2nd October, 1876.

No. 6621. R. Barter, Toronto, Ont., "Steam Exhaust and Mill Stone Curbs," 2nd October, 1876.

No. 6622. J. Beaudry, Montreal, Que., "Polygonal Lathe," 2nd October, 1876.

No. 6623. C. D. Swanson and J. Menzie, Downie, Ont., "Portable Fence," 2nd October, 1876.

No. 6624. J. Hegeland, Indianapolis, Ind., "One-Stroke Bucket Machine," 2nd October, 1876.

No. 6625. S. F. Gold, Englewood, New Jersey, U. S. A., "Automatic Dampers," 2nd October, 1876.

No. 6626. W. Warren, Hull, Que., "Pail and Tub's Ears," 2nd October, 1876.

No. 6627. J. S. McMurray, Toronto, Ont., "Pails and Tubs," 2nd October, 1876.

No. 6628. John Mather, Ottawa, Ont., "Wood Pavements," 2nd October, 1876.

No. 6629. Jacob Kessler, London, Ont., "Gates," 2nd October, 1876.

No. 6630. Wm. Jones, Oshawa, Ont., "Self-Locking Blind Hinge," 2nd October, 1876.