

The Canadian Patent Office

RECORD

Vol. IV.—No. 3.

MARCH, 1876.

Price in Canada \$2.00 per An-
United States - \$2.80

CONTENTS.

INVENTIONS PATENTED.....	27
INDEX OF INVENTIONS.....	XXXV
INDEX OF PATENTEES.....	XXXV
ILLUSTRATIONS.....	35

INVENTIONS PATENTED.

No. 5593. Process and Apparatus for Manufacturing Illuminating Gas.

(*Procédé et appareil de fabrication du gaz d'éclairage.*)

Thomas W. Lion, Breunsville, Va., U. S., 20th January, 1876, for 5 years.

Claim.—1st. Subjecting highly heated hydro-carbon vapour to the action of electricity, 2nd. Subjecting heated hydro-carbon vapour to the action of electricity to produce a fixed gas, and then subjecting said gas to the action of electricity, 3rd. Subjecting heated hydro-carbon vapour to the action of electricity and then passing the resultant gas through a carbureter; 4th. The mixing chamber i, containing the insulated electric battery e, and laminated charcoal or its equivalent, and supplied with superheated steam and carbon vapour inlet; 5th. The cylindrical retort A, divided into the two chambers b and c, and provided with the central fire chamber d, containing the superheating coils; 6th. The cylindrical retort A, divided into the chamber b and c, in combination with the chamber i, communicating with the two chambers of the retort, and containing the electric battery and charcoal; 7th. The combination of the battery e, charged with salt, the gauge basket z, and hydro-carbon vapour chamber; 8th. The combination of the retort, containing two separate chambers, the mixing chamber i communicating with the chambers of the retort and containing the electric battery and the chamber i, communicating with the mixing chamber and containing a thermo battery; 9th. The combination of the retort A, provided with chamber i, perforated plate k, and hood m.

No. 5594. Mop and Brush Holder.

(*Manche de brosse et de balai.*)

John O. Montignani, Albany, N. Y., U. S., 20th January, 1876, for 5 years.

Claim.—The detachable metallic clamping jaws C, G, each constructed with a socket e, and notches or serrations in combination with a handle A, having the elastic arms a, a, and carrying the sliding ring P.

No. 5595. Washing Machine. (*Machine à laver.*)

Russell S. Morse, Wilton, Me., U. S., 20th January, 1876, for 5 years.

Claim.—1st. The combination of the tub A, series of perforated radial rubbers C, spindle B, series of tangential rubbers d, perforated disc a, standards e, and perforated cross bar F; 2nd. The combination of the adjustable dasher supporter G, with the dasher D, the tub A, its spindle B, and series of perforated rubbers C.

No. 5596. Improvements on Mowing Machine Frames.

(*Perfectionnements aux bâtis de moissonneuses*)

Newton Cossitt, Brockville, Ont., 20th January, 1876, for 5 years.

Claim.—The provision at the front end of a cast iron frame A, of a mowing machine, of a journal box constructed of fixed section B and a movable C, to admit of taking up the wear of the bearing and shaft.

No. 5597. Improvements on Bridges.

(*Perfectionnements aux ponts.*)

John B. Winters, London, Ont., 20th January, 1876, for 5 years.

Claim.—1st. The combination of bolt G, shoe I, and the plate M, with the chord braces J, and cap B. 2nd. The combination of plate W, braces a, rod z, and plate M, with the chord A. 3rd. The cap F, plate C, and rod G, combined with the chord A; 4th. The plate C, having flanges D, and ribs E, com-

bined with the cap and the chord; 5th. The plate M, having socket N, rib Q, and notched flanges P, S, in combination with the chord and braces J and a; 6th. The plate W, having flanges X, and notched flange Y, combined with the cap B, braces a, and rod z. 7th. The shoe I, having notch K, and grooves L, combined with parts H, and rod G; 8th. The arrangement of the chords A, with intervening spaces b.

No. 5598. Improvements in the Manufacture of Pipes.

(*Perfectionnements dans la fabrication des tuyaux.*)

George M. Fuller, Holyoke, Mass., U. S., 20th January, 1876, for 5 years.

Claim.—Tempering asphaltum while hot with clay, saw dust, or other suitable substance, to reduce it to a plastic state and applying such plastic, in a hot state, to a fabric or perforated material while being wound upon a roller, under frictional pressure from other rollers.

No. 5599. Recording Apparatus for Billiard Games. (*Compteur de billard.*)

Samuel Bretzfeld and Friedman Sternheimer, New-York, U. S., 20th January, 1876, for 5 years.

Claim.—The rod J, with stops g, g, and a, tube E with slots y, and I, sleeve m, spiral spring n in combination with the buttons K, the standards L, b, b, frame A, and dials P, and R.

No. 5600. Mechanism for Ornamenting Buttons. (*Machine à orner les boutons.*)

Robert H. Isbell, New-Milford, Ct., U. S., 20th January 1876, for 5 years.

Claim.—1st. The carriage B, provided with threads and constructed for the reception of the buttons, in combination with the spattering brush E. 2nd. The combination with the spattering brush E and carriage B, of the check bar I. 3rd. The combination with the check bar I, the spattering brush E, and the carriage carrying the threads c, of the trough m; 4th. The combination with the carriage B, carrying the threads c, of the button board C. 5th. The combination with the carriage B, carrying the system of threads c, and the button board C, of the lifting device. 6th. The combination with the carriage B, and the brush E, of the pulleys g, m, g, g, h, and the band n.

No. 5601. Improvements on Calendars.

(*Perfectionnements aux calendriers.*)

David J. Miller, Santa-Fé, Mexico, U. S., 20th January, 1876, for 5 years.

Claim.—The combination with the reciprocally transferable dating pegs, of adjustable supplementary date indicators a.

No. 5602. Hand Rest for Pianos.

(*Appui-main pour les pianos.*)

Wilhelm Bohrer, Montreal, Que., 20th January, 1876, for 5 years.

Claim.—1st. The combination of a bar arranged parallel to the front of a piano and supported therefrom and around bar arranged above it and offering a yielding resistance to downward pressure; 2nd. A hand rest arranged to afford the necessary support to the wrist of the player and at the same time allowing lateral forward or backward, and diagonal motion to be made simultaneously; 3rd. In combination with the bar c, the stand G, arranged so as to be moveable forward or backward or to the right or left. 4th. The combination with the stand G, of the rests I, mounted upon spindles H, so as to be capable of horizontal rotary motion; 5th. In combination with the bar A, having notched upper surface A', the stands G, carrying rests I, and having rings F, running upon the bar c.

No. 5603. Improvements on Axles.

(*Perfectionnements aux essieux.*)

Adolphe Payette, Montreal, Que., 20th January, 1876, for 5 years.

Claim.—1st. In combination with any axle box D, the axle having a portion of its substance cut away; 2nd. The combination of the axle A, rounded end B, with portion cut away, chamber G, and channel H.