

The Canadian Patent Office

RECORD




Vol. VI.—No. 7.

JULY, 1878.

{ Price in Canada \$2.00 per An.
United States - \$2.50 "

CONTENTS.

INVENTIONS PATENTED.....	95
INDEX OF INVENTIONS.....	CVII
INDEX OF PATENTEE'S.....	CVIII
ILLUSTRATIONS.....	107

INVENTIONS PATENTED.

No. 8817. Improvements on Printer's Quoins.

(*Perfectionnements aux coins d'imprimeries.*)

Henry A. Hempel and Joseph A. Diggins, Buffalo, N. Y., U. S., 22nd May, 1878, for 5 years.

Claim.—1st. A pair of quoins having their contiguous faces made inclined and provided with parallel rack-bars adapted to be moved simultaneously, in opposite directions, by a pinion inserted between the rack-bars. 2nd. A pair of quoins D D having their contiguous faces, each provided with an inclined rib or feather e and a corresponding groove f, arranged at the head of each quoin. 3rd. A pair of quoins D D having their contiguous faces each provided with an inclined central rib or feather e, a corresponding groove f, arranged at the head of each quoin and rack-bars h h, arranged on both sides of the inclined feather.

No. 8818. Improvements on Grinding Mills.

(*Perfectionnements aux moulins à blé.*)

Darius C. Newell, New York, U.S., 22nd May, 1878, for 15 years.

Claim.—The combination of the rollers-gearing to revolve at different speeds, and furnished with teeth or detents on interlocking angular ridges.

No. 8819. Improvements on Hinges.

(*Perfectionnements aux pentures.*)

Lemuel Patterson, Parker, Pa., U.S., 22nd May, 1878, for 5 years.

Claim.—1st. A hinge having a tapering socket, the pintle D made tapering from the head to the point; 2nd. The pintle D made tapering.

No. 8820. Improvements on Vehicle Springs.

(*Perfectionnements aux ressorts des voitures.*)

William McCord, Sing-Sing, N.Y., and William R. McCord, Jr., New York, U.S., 22nd May, 1878, for 5 years.

Claim.—1st. The combination with the supporting bar or axle A of two jointed beams D D, the vertical standards C C, to which said beams are pivoted, a yoke connected at its ends to the outer ends of the beams and springs E connected with the beams, so as to exert pressure on said beams between the pivotal points and jointed ends of the same; 2nd. The combination with the supporting bar A, the scale beams D D, the spring E E and yoke B, of a bell crank e, connecting the yoke and the scale beams.

No. 8821. Improvements on Bottle Stoppers.

(*Perfectionnements aux bouchons des bouteilles.*)

John M. Lewin, 1 oekport, N.Y., U.S., 22nd May, 1878, for 5 years.

Claim.—1st. In a machine for bottling effervescent or sparkling liquids, a plunger provided with means for retaining the stopper, 2nd. A plunger provided with means for retaining the stopper, in combination with such stopper; 3rd. A plunger having its lower extremity bifurcated, 4th. A stopper provided with means for attachment to the plunger of a bottling machine; 5th. A stopper provided with means for attachment to the plunger, and arranged to close the charging cylinder of a bottling machine, 6th. A stopper for bottles adapted to contain sparkling liquids, said stopper being provided with means for attachment to the plunger B and arranged to close the charging cylinder C, while passing through the same, and provided with means for holding it to the charged bottle; 7th. The combination with the disc D, having the overlapping packing E and the lugs G, with the cross-bar H of the open ring K, having the spring Q; 8th. The packing E, having the offset E' and flange E'', 9th. The combination with the disc D, having the lugs G with the cross-bar H, of the open ring K, with the spring Q, said ring being attached to the bail L, 10th. The open ring K having the spring Q; 11th. The open ring K having the lugs a, adapted to be clutched over the bail L; 12th. The detachable stopper, con-

sisting essentially of the disc D, with the overlapping or projecting packing E and the lugs G, having the cross-bar H and notches R, open ring K, with the spring Q, handle O and stop lug P, and the bail L, pivoted to the neck of the bottle A.

No. 8822. Improvements on Electric Telegraphs.

(*Perfectionnements aux télégraphes électriques.*)

John Muirhead, and Herbert A. Taylor, London, Eng., 22nd May, 1878, for 5 years.

Claim.—1st. The accumulator having also power of conduction or artificial line. 2nd. The combination of the accumulator having also power of conduction or artificial line with an electric telegraph cable or line, for the purpose of duplex working; 3rd. The construction of the accumulator having also power of conduction or artificial line by combining the following parts: 1, the conducting straps or strips of metal foil by which the current passes through the instrument; 2 the metal foil having an earth connection through which it charges and discharges itself; 3, the separating sheets of dielectric or insulating material; 4th. The construction of the accumulator having also power of conduction or artificial line by combining the following parts: 1, the conducting strip or strips of paper prepared with plumbago, or other conducting material, by which the current passes through the instrument; 2, the metal foil having an earth connection through which it charges and discharges itself; 3, the separating sheets of dielectric or insulating material.

No. 8823. Improvements on Brackets.

(*Perfectionnements aux consoles.*)

Robert B. Sanderson, Bridgewater, Pa., U.S., 22nd May, 1878, for 5 years.

Claim.—Hanging shelves constructed of slotted hangers, with top hooks and adjustable bracket-shelves secured to the hangers.

No. 8824. Improvements on Bag-holders.

(*Perfectionnements aux accroche-sacs.*)

Miller B. Hudson, John W. Hawley and James Wade, Canandaigua, N. Y., U.S., 22nd May, 1878, for 5 years.

Claim.—1st. The platform A, constructed with the side sockets h h and journals I I, the whole being formed in a single piece, 2nd. The attachment consisting of the spring arms D D and sliding bar or block C, connected together to form one device, in combination with the pivoted cam G, resting between the arms for the purpose of expanding them at any adjustment.

No. 8825. Improvements on Low Water Signals.

(*Perfectionnements aux signaux de niveau d'eau.*)

Thomas Bingham and Thomas J. McTighe, Pittsburgh, Pa., U. S., 22nd May, 1878, for 5 years.

Claim.—1st. The combination of the following elements to wit: a longitudinally reciprocating valve a, a float B and a duplicate system of independent levers g independently connecting the valve and float together, 2nd. The combination of the valve a, the cross-bar d, carrying the same and the combined pivot bearings and slotted guides c, depending from the cap C and constructed as shown, so as to form fulcrum for the levers, 3rd. The combination with the foot B, of the cross bar d, carrying the valve a, the independent levers g and the links f, respectively and independently pivoted to the cross-bar d and levers g.

No. 8826. Improvements on Window Frames and Sashes.

(*Perfectionnements aux châssis et aux croisées des fenêtres.*)

Daniel E. Cooke and George C. Schultz, Branford, Ont., 22nd May, 1878, for 5 years.

Claim.—1st. The combination of V-grooved slides D, with the sides L, of sash K, made to fit grooves, 2nd. The combination of screws E, with washers G, attached to them at the back of slide D, 3rd. The combination of spiral springs F with nuts H, on screws E, 4th. The application of screws S and nut T, to work spiral spring V, also V slide Q, having recesses R; 5th. The combination of india-rubber packing M N O, with sash K.