

# The Canadian Patent Office

## RECORD

Vol. VI.—No. 3.

MAY, 1878.

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

### CONTENTS.

INVENTIONS PATENTED.....	67
INDEX OF INVENTIONS.....	LXXIII
INDEX OF PATENTEES.....	LXXIV
ILLUSTRATIONS.....	73

### INVENTIONS PATENTED.

#### No. 8607. Seal Bolt for Car Doors. (*Fermeture scellée pour les portes de wagons.*)

William Burtis, New York, U.S., 30th March, 1878, for 5 years.  
*Claim.*—1st. The novel combination of the sliding door C with staple m, staples n n on side post D, bolt J, case or box H, and spring bolt v; 2nd. In a railroad freight car, the internal fastening, consisting of the tongues n n and m, and bolt J, in combination with the spring-locking bolt v, arranged in a close box H, acting as a guide for the bolt J, and provided with an opening z opposite the spring bolt v and seal covering the same, whether said box H is fastened to the roof of the car, or at or near the bottom of the car; 3rd. Passing the bolt J which fastens and unfastens the sliding door of a freight car, through the roof of said car.

#### No. 8608. Improvements on Railway Gates. (*Perfectionnements aux barrières des railoutes.*)

Stephen A. Jenks, Lincoln, (Assignee of Albert R. Sherman, Natick), R. I., U.S., 30th March, 1878, for 5 years.

*Claim.*—1st. The combination of two actuating pistons and cylinders and suitable intermediate mechanism with a pivoted gate; 2nd. The combination of two cylinders I and J, two pistons and rods G and H, two rack bars E and F and gear D, with a pivoted gate; 3rd. The combination of two pipes K and L, two pistons and their cylinder I and J, and suitable intermediate mechanism, with a pivoted gate; 4th. The combination of the piston rod H, rack-bar F and pivoted check hook r, with the pinion D; 5th. The combination of a stop with a piston rod carrying a rack-bar, and the latter provided at its upper and lower end with a lug; 6th. The combination of two force pumps M and N, two pipes K and L, two cylinders I and J and their respective pistons, with a pivoted gate and intermediate mechanism; 7th. The combination of two force pumps M and N, two pipes K and L, two cylinders I and J and their respective pistons, and piston rods G and H, two rack-bars E and F and gear D with a pivoted gate; 8th. The combination of the crank K, rock shaft g, gear Q, rack-bars P and S and piston rods O and R, and their respective pistons or equivalent devices, pump cylinders M and N, and pipes K and L, with cylinders I and J and their pistons, and piston rods G and H, and the gate A and intermediate mechanism; 9th. The combination with a tank W of two or more sets of force pumps provided with mechanism for operating the same simultaneously.

#### No. 8609. Improvements on Cow Stanchions. (*Perfectionnements aux étançons à vaches.*)

Stephen B. Ferguson, Hallowell, Ont., 30th March, 1878, for 5 years.  
*Claim.*—The attachment of the stanchion E F G G, to the frame L L L by means of the eye hinges H H, in combination with the head blocks I I and with the backward inclination of the posts L L L.

#### No. 8610. Improvements in Stove Pipe Dampers. (*Perfectionnements dans les clés des tuyaux de poêles.*)

Samuel Selden, Matthew Griswold, Erie, Pa., and Jotham S. Crump, Westfield, N. Y., U.S., 30th March, 1878, for 5 years.

*Claim.*—1st. The damper C and spindle B, provided with the spur b, and notch or socket e, for keying the damper to the spindle and preventing relative rotation; 2nd. The spindle B provided with the lug or spur b, in combination with clamping sleeves c<sup>2</sup> and G, and spring g.

#### No. 8611. Improvements on Saws. (*Perfectionnements aux scies.*)

Eben M. Boynton and Alfred Boynton, New York, U.S., 30th March, 1878, for 5 years.

*Claim.*—1st. A saw provided with teeth A A, each having two points a a dressed to cut in line and two outer cutting edges b b, inclined slightly outward from the points; 2nd. The saw provided with teeth A, each having two points a a dressed to cut in line, a notch or gullet d between said points, and two outer cutting edges b b inclining slightly outward from said points; 3rd. The clearer teeth C bevelled on both sides, on each of their clearing edges.

#### No. 8612. Improvements on Ice Creepers. (*Perfectionnements aux crampons à glace.*)

Wilbur F. Dial and Lucius H. Packard, Montreal, Que., 30th March, 1878, for 5 years.

*Claim.*—1st. The plate B having eye C, and creeper D having eye F, in combination with the pin G and elastic cushion I; 2nd. The eye C and eye F, in combination with the pin I, and cushion I.

#### No. 8613. Process for Manufacturing Paper Pulp. (*Procédé de fabrication de la pâte à papier.*)

Louis C. Bourgeois, (Assignee of Francois Genin), Montreal, Que., 30th March, 1878, for 5 years.

*Claim.*—1st. Digesting straw or similar material in a heated solution of quicklime and salsoda, and after which washing it and treating it to three successive bleachings, and intermediately washing the second, and third bleaching being effected by a weaker agent than the first, after which treating the pulp thus bleached with alumina.

#### No. 8614. Improvements on Medical Compositions. (*Perfectionnements aux composés médicaux.*)

David Manbeck, Des Moines, Iowa, U.S., 30th March, 1878, for 5 years.

*Claim.*—1st. A medical compound for vaporizing or fumigating purposes made of mullein and tar; 2nd. A cigar or cigarette of which the filling is mullein and vegetable tar, prepared in the manner set forth.

#### No. 8615. Machine for Dressing Flour. (*Machine à bluter la farine.*)

George T. Smith, Minneapolis, Min., U.S., 30th March, 1878 (Extension of Patent No. 2257), for 5 years.

#### No. 8616. Machine for Dressing Flour. (*Machine à bluter la farine.*)

George T. Smith, Minneapolis, Min., U.S., 30th March, 1878 (Extension of Patent No. 2257), for 5 years.

#### No. 8617. Machine for Dressing Flour. (*Machine à bluter la farine.*)

George T. Smith, Minneapolis, Min., U.S., 30th March, 1878 (Extension of Patent No. 2258), for 5 years.

#### No. 8618. Machine for Dressing Flour. (*Machine à bluter la farine.*)

George T. Smith, Minneapolis, Min., U.S., 30th March, 1878 (Extension of Patent No. 2258), for 5 years.

#### No. 8619. Process of Making Flour from Middlings. (*Procédé pour extraire la farine des gruaux.*)

George T. Smith, Minneapolis, Min., U.S., 30th March, 1878 (Extension of Patent No. 2409), for 5 years.

#### No. 8620. Process of Making Flour from Middlings. (*Procédé pour extraire la farine des gruaux.*)

George T. Smith, Minneapolis, Min., U.S., 30th March, 1878 (Extension of Patent No. 2409), for 5 years.