

# The Canadian Patent Office

## RECORD

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### CONTENTS.

INVENTIONS PATENTED.....	19
INDEX OF INVENTIONS.....	XXIII
INDEX OF PATENTEEES.....	XXIII
ILLUSTRATIONS.....	23

### INVENTIONS PATENTED.

**No. 5529. Pegging Machine.** (*Machine à cheviller.*)  
Everett P. Richardson, Lawrence, Mass., U. S., 23rd December, 1875, for 5 years.

*Claim.*—1st. The combination of a driver and nail tube or foot and a carrier placed between the driver-stock and foot, the carrier having diametric passages or ways to alternately receive the nails and successively present them in line with the driver and the nail tube foot; 2nd. The rotary reciprocating nail carrier and the cutting and driving mechanism; 3rd. The two pairs of cutters for alternately heading and pointing the nails; 4th. The process of forming and presenting the nails to be driven, consisting in severing the wire to form heads, and next to form two points, and turning the successive nails in opposite directions from horizontal to vertical position, so as to bring each nail into position to be driven with its point downward; 5th. The nail tube foot having its position determined by the position of the surface against which it presses in combination with the driver bar c, regulated as to its throw by the foot; 6th. The process of forming nails from a metallic strip, consisting in cutting the strip alternately, diagonally and then at right angles to its length to form two points and two heads simultaneously.

**No. 5530. Improvements in Dumb-stoves.**

(*Perfectionnements aux poêles-sourds.*)

George W. Kennedy, Hatley, Que., 23rd December, 1875, for 5 years.

*Claim.*—A stove heater so arranged as to give a direct draft through the pipe A, or by means of the damper c, to become a dumb-stove with upright pillars b, b, through which the smoke passes when the damper is closed.

**No. 5531. Improvements in Seed, Corn and Bean, Planters.**

(*Perfectionnements aux semoirs à graines, maïs et fèves.*)

Francis B. H. Saxton and William A. Boyd, Strathroy, Ont., 23rd December 1875, for 5 years.

*Claim.*—1st. The arrangement of box B, F, slides C, D, and pitman H, in combination with the traction wheel I; 2nd. In combination with a seed and corn-planter, the shear L, M, and roller N.

**No. 5532. Climatic and Fire-proof Paint.**

(*Peinture résistante à la température et au feu.*)

John C. Smith, Dunkirk, N. Y., U. S., 23rd December, 1875, for 5 years.

*Claim.*—A compound of quick-lime, Paris white, oxide of zinc, chloride of sodium, common table salt, sulphate of zinc, carbonate of potash, sulphate of iron, borax, tungstate of soda, gelatine, muriatic acid, crude petroleum, coal-tar and water.

**No. 5533. Railway Carriage-coupling.**

(*Attelage de wagons de railroute.*)

Warren Dorr, Gardner, Me., U. S., 23rd December, 1875, for 5 years.

*Claim.*—1st. The link B, and the slotted hook A, applied to connect and operate with a chambered draw-bar; 2nd. A railway carriage draw-bar provided with a hook A, or projection d, and a link B; 3rd. The railway carriage draw-bar provided not only with a hook A, or projection d, and a link B, but a backstop f; 4th. A railway carriage coupling composed of a hook A, and two links B, L, applied, arranged and connected for use with a draw-bar.

**No. 5534. Improvements on Cattle Stalls.**

(*Perfectionnements aux stables à bétail.*)

Isaac R. Marsh and Ira Bell, Brasher Falls, N. Y., U. S., 23rd December, 1875, for 5 years.

*Claim.*—1st. The longitudinally moving slide F, having the inwardly projecting pins b, in combination with the movable stanchions B, for closing and locking the same simultaneously; 2nd. Providing the toggles or stops G, with lateral projecting caps P, for their convenient manipulation; 3rd. The inclined arrangement of the stanchions A, B; 4th. The elevated manger E; 5th. The friction rollers m, in combination with the slide F; 6th. The sections I, II, and the gutter L, so arranged relatively to each other as to admit of changing the area of the stall-floor; 7th. Providing the section I, with cushion K.

**No. 5535. Process for Obtaining Salts of Ammonia.**

(*Procédé pour préparer le sel ammoniac.*)

Robert O. Patterson and Francis W. Brothers, Cheltenham, Eng., 23rd December, 1875, for 5 years.

*Claim.*—The manufacture of solid carbonate or carbonates of ammonia by heating gas or other liquor containing ammonia combined or not with carbonic acid condensing the aqueous vapours contained therein and depositing in suitable receivers the salt or salts thereby disengaged.

**No. 5536. Station Indicators.**

(*Indicateurs des stations.*)

Alexander Ramsay, Montreal, Que., 23rd December, 1875, for 5 years.

*Claim.*—A station indicator A, roller C, cone points F, spring E, wires I, and station-cards J.

**No. 5537. Fruit Honey.**

(*Miel de fruit.*)

Lewis Hurd, Kewanee, Ill., U. S., 23rd December, 1875, for 5 years.

*Claim.*—The edible liquid compound made by adding sugar and lemon to expressed fruit juice, in about the proportions set forth and at a temperature of about 100° Fahrenheit.

**No. 5538. Fanning Mill and Grain and Seed Separator.**

(*Tarare-séparateur des grains et graines.*)

Roderick Lean and Lewis Barthel, (Assignees of J. G. Schurtz), Stratford, Ont., 30th December, 1875, for 10 years.

*Claim.*—1st. The peculiarities of the shoe a; 2nd. The great length of the screens b, and their combination; 3rd. The construction of the frame G; 4th. The chambers or troughs at the end of the shoe.

**No. 5539. Automatic Gate.**

(*Barrière automate.*)

Lysander Flagg, Central Falls, R. I., U. S., (Assignee of J. S. Winsor), 30th December, 1875, for 5 years.

*Claim.*—1st. The vertically swinging gate bars a, a, pivoted to the posts or standards A, A, in combination with the chain-wheels C, C, and pulleys f, f, and the endless chain cord or wire rope arranged to operate the same simultaneously; 2nd. The combination with the gate bars a, a, interlocking in the centre and balanced at their ends with the standards A, A, and operating mechanism; 3rd. The combination with two or more gates of suitable mechanism arranged to open and close the gates simultaneously or successively.

**No. 5540. Compound for the Removal and Prevention of Scale in Steam-Boilers.**

(*Composé pour enlever et prévenir les incrustations dans les chaudières à vapeur.*)

L. Ell Hurd, Cleveland, Ohio, U. S., 3rd January, 1876, for 5 years.

*Claim.*—A compound for removal and prevention of scale in steam boilers composed of soda, chestnut, oak bark, charcoal, muriate of ammonia, linseed oil cake, burnt alum, sassafras bark, potato starch.

**No. 5541. Bottle Stopper.**

(*Bouchon de bouteille.*)

Arthur Christin, Chicago, Ill., U. S., 3rd January, 1876, for 10 years.

*Claim.*—The tapered-stopper B, provided with the sockets b, in combination with a bottle whose diameter is less than the length of said stopper, and s provided with a collar a.