

# The Canadian Patent Office

## RECORD

Vol. X.—No. 9.

SEPTEMBER, 1882.

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

### CONTENTS.

INVENTIONS PATENTED.....	261
ILLUSTRATIONS.....	277
INDEX OF INVENTIONS.....	1
INDEX OF PATENTEES.....	11

### INVENTIONS PATENTED.

#### No. 15,231. Improvements in Fruit Presses.

(*Perfectionnements aux pressoirs.*)

Félicie F. N. Marais, New-York, N. Y., U. S., 31st July, 1882; for 5 years.

*Claim.*—1st. A hand press consisting of a suspended perforated cylinder, a plunger fitted in and guided by the same and provided with a cross handle, whereby it can be moved vertically and rotated. 2nd. The combination of the platform, perforated cylinder, plunger, handle, threaded stem, and cross bar having an opening receiving said stem. 3rd. The combination, with the platform, perforated cylinder and plunger, of a canvas bag surrounding the cylinder and rings *n* in the bag, adapted to hooks *i* on the platform.

#### No. 15,232. Apparatus for the Purification of Gas.

(*Appareil de lavage du gaz.*)

Thomas N. Kirkham, David Hulett, Samuel Chandler, jr., and Josiah Chandler, London, Eng., 1st August, 1882; (Extension of Patent No. 7770.)

#### No. 15,233. Apparatus for the Purification of Gas.

(*Appareil de lavage du gaz.*)

Thomas N. Kirkham, David Hulett, Samuel Chandler, jr., and Josiah Chandler, London, Eng., 2nd August, 1882; (Extension of Patent No. 7770.)

#### No. 15,234. Improvements in Saw Frames.

(*Perfectionnements dans les montures des scies.*)

Comas J. Shurlay and Jerome C. Dietrich, Galt, Ont., (Assignees of Edward M. Madden, Middleton, N. Y., U. S.,) 2nd August, 1882; Extension of Patent No. 9119.)

#### No. 15,235. Improvements in Saw Frames.

(*Perfectionnements aux montures des scies.*)

Comas J. Shurlay and Jerome C. Dietrich, Galt, Ont., (Assignees of Edward M. Madden, Middleton, N. Y., U. S.,) 3rd August, 1882; (Extension of Patent No. 9119.)

#### No. 15,236. Spark Arrester.

(*Arrête-flammèche.*)

David June, (Co-inventor with Robert Brayton and Onatus F. French,) Fremont, Ohio, U. S., 3rd August, 1882; (Extension of Patent No. 7735.)

#### No. 15,237. Improvements on Ice Houses.

(*Perfectionnements aux glaciers.*)

Joseph E. Baril, Montreal, Que., 4th August, 1882; (Extension of Patent No. 7740.)

#### No. 15,238. Improvements on Cultivator Teeth.

(*Perfectionnements aux dents des cultivateurs.*)

Gottlieb Bettschen, Wilmot, Ont., 4th August, 1882; for 5 years.

*Claim.*—1st. The particular shape of the steel blade A and B with the slit C therein. 2nd. The shape of the shank embracing the curved coultter F, the brace G and the flanges H, and its combination with the steel blade A B and C.

#### No. 15,239. Compound to be used in Place of Butter and Lard for Cooking Purposes.

(*Composé pour remplacer le beurre et le saindoux pour faire la cuisine.*)

Samuel H. Cochran, Everett, Mass., U. S., 4th August, 1882; for 5 years.

*Claim.*—1st. The method or process of purifying, flavoring and deodorizing beef suet, oil, and the fat or oil of swine by mixing therewith slippery elm bark. 2nd. The method or process of purifying, flavoring and deodorizing cotton seed oil and its equivalent oils, by mixing therewith slippery elm bark. 3rd. The compound composed of beef suet oil, cotton seed oil and its equivalent, deodorized and purified, and beef stearine. 4th. The compound composed of swine's fat or oil, or cotton seed oil deodorized and purified, with slippery elm bark and beef stearine. 5th. The combination of beef suet oil or swine's fat with cotton seed oil and its equivalents and beef stearine.

#### No. 15,240. Improvements in the Preparation of Yeast.

(*Perfectionnements dans la préparation de la levûre.*)

Samuel Levy, Denver, Col., U. S., 4th August, 1882; for 5 years.

*Claim.*—The process of preparing compressed yeast, by mixing starch with a mash of rye, corn and malt, in a fermenting tub, adding from time to time to the mixture, as the fermentation grows weak, a warm mixture of rye and malt, skimming the yeast from the surface as it rises, setting it in water and then drying it, making the process continuous.

#### No. 15,241. Improvements in Bretzel Machines.

(*Perfectionnements aux machines à craquenelles.*)

William Lampert, Henry Huber, Crestline, Theo. H. Butler, George W. Earhart and William M. Crawford, Columbus, Ohio, U. S., 7th August, 1882; for 5 years.

*Claim.*—1st. Two cylinders disposed one above the other, and having removable cutters, or dies of a proper form with projections and openings. 2nd. In a machine for making bretzels and the like, one of its cylinders or dies provided with a cone for discharging to one side scraps of dough resulting from the formation of the bretzel. 3rd. The combination, with cylinder C<sub>1</sub>, of the cone G with its smaller end disposed at the open side or end of said cylinder. 4th. The combination of the cylinder C<sub>1</sub> and cone G with the inclined chute G<sub>1</sub>. 5th. A cylinder having two inner cylinders, one arranged within the other, the inner one acting as a weight to expel the dough and the other one to guide and withdraw the studs. 6th. The combination of the cylinder C, perforated cylinders I<sub>1</sub>, headed studs H and cylinder I. 7th. The combination of the inner cylinders I<sub>1</sub> and die carrying C, with a series of heated studs to each die, or mould, through which they are projected and withdrawn automatically. 8th. The chute L and rollers M M<sub>1</sub> combined with the die cylinders C C<sub>1</sub> and connecting gear.

#### No. 15,242. Improvement on Harvesters.

(*Perfectionnement des moissonneuses.*)

Simon P. Graham, London, Ont., 7th August, 1882, for 5 years.

*Claim.*—1st. The combination of the oscillating shears F and shears G, with or without channels or concaves on their faces, pivot F<sub>1</sub>, shear bar F<sub>2</sub> and slide bar E<sub>2</sub>. 2nd. The combination of the cog wheel B, lugs B<sub>1</sub>, spokes B<sub>2</sub>, shoulder C and rim of wheel A<sub>1</sub>. 3rd. The combination of the cog pinion C, cam C<sub>2</sub>, stud pin D, lever D<sub>1</sub>, bracket D<sub>2</sub>, segment arm E and side frame A. 4th. The combination of the frame A<sub>1</sub>, stud pin D, segment arm E, segment E<sub>1</sub>, grooved and friction rollers L and shear bar F<sub>2</sub>. 5th. The frame A provided with stud pin A<sub>2</sub> and bracket A<sub>3</sub>, constructed of wrought angle iron. 6th. The combination of the shear bar F<sub>2</sub>, segment arm E and stud pin H<sub>1</sub>, for the purpose of admitting of the tilting of the shear bar F<sub>2</sub> without alter-