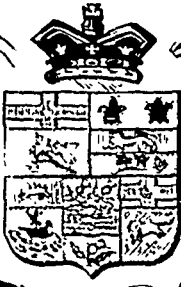
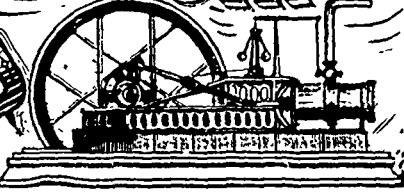


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CONTENTS.

INVENTIONS PATENTED	73
INDEX OF INVENTIONS	LXXXV
INDEX OF PATENTIES	LXXXVI
ILLUSTRATIONS	85

INVENTIONS PATENTED.

No. 7294. Improvements on Planing Machines. (*Perfectionnements aux machines à raboter.*)

William C. Brookers and Charles H. Barum, Spring Lake, Mich., U. S., 31st March, 1877, for 5 years.

Claim.—The pressure bar A, having the projecting fingers B dovetailed into its under surface.

No. 7295. Improvements on Potato-diggers. (*Perfectionnements aux arrache-potates.*)

John R. Hopper, Rochester, N. Y., U. S., 31st March, 1877, for 5 years.

Claim.—1st. In combination with the shovel blade B, the close carrier belt H and open riddle belt H', the two latter being constructed and arranged to revolve upon axis at right angles or transversely to the travel of the machine; 2nd. In combination with the axes r and n and the pivoted primary and auxiliary frames connected together the governing jaw or yoke k operating conjointly; 3rd. The auxiliary frame A', carrying the shovel blade B and chain belts H and H', when suitably hooked to the rear end of the main frame and having its front end vertically adjustable by means of the hand lever L; 4th. In combination with the carrier wheels W, the track clearers C hinged from the frame A; 5th. In combination with the fixed primary and adjustable auxiliary frames A and A', the swinging draft rods D' attached to the shanks D near the shovel blade B; 6th. In combination with the hanger shanks D of the shovel blade B, the revolving vine cutters e operating conjointly; 7th. The revolving vine reel or reels J, in combination with the shovel blade B and close chain belt H, operating conjointly to assist in the passage of the vines and other material over said blade B and belt H; 8th. The tubular shaft g constituting an oil reservoir in combination with the hollow journal arm e fixed to the shank D. 9th. In combination with the elements enumerated in the foregoing clause, the vertical oil tube t, which also acts as a key to secure the journal in position independently of the nut u.

No. 7296. Improvements on Life-boats. (*Perfectionnements aux bateaux de sauvetage.*)

John H. Hatton, Fort Covington, N. Y., U. S., 31st March, 1877, for 5 years.

Claim.—In combination with the hull of a boat, the false or supplementary keel supported longitudinally under the bottom or true keel, by means of adjustable rods or slides, secured at either end to the supplementary keel and adapted to slide in guides attached to, or formed on, the prow and stern of the boat.

No. 7297. Improvement in Baby Cradles. (*Perfectionnement dans les berceaux.*)

Abner Woodward, Shelburne Falls, Mass., U. S., 31st March, 1877, for 5 years.

Claim.—The combination of the portable body A made of any elastic material and elliptical form, suspended, by means of suitable rings and spring hooks F E, to the hinged extremities M M of the bent supports F F, to the bottom of which are attached wheels in such a manner that, by raising one of these extremities, by means of a strap or handle, the weight of the cradle is thrown upon the wheels for the greater convenience of moving it from place to place.

No. 7298. Improvements on Steam Engines. (*Perfectionnements aux machines à vapeur.*)

James Storer and John Rear, Uxbridge, Ont., 31st March, 1877, for 5 years.

Claim.—1st. The combination of the cylinder a shell c having valve g and wedges l. 2nd. The combination of cylinder a shells c having valves g and openings k, wedges l h having connection m.

No. 7299. Improvements on Refrigerators. (*Perfectionnements aux réfrigérateurs.*)

William W. Wickes, (Assignee of John J. Bate), Brooklyn, N. Y., U. S., 5th April, 1877, (re-issue of Patent No. 4255), for 3 years 2 months and 21 days.

Claim.—1st. The combination within a closed car chamber or house, &c., of an ice box or chamber, mechanical means for inducing an air blast or current through the ice inlet openings connected with the ice box and arranged in different parts of the chamber, so that the air in the chamber after passing through the ice box will be distributed and drawn to all portions of the room, to be returned again through the ice box. 2nd. The combination within a closed car chamber or house, &c., of an ice box or chamber, mechanical means for inducing an air blast or current through the ice inlet openings connected with the ice box and arranged in different parts of the chamber, outlet openings also connected with the ice box and arranged in different parts of the chamber opposite to said inlet openings, so that the air in the chamber, after passing through the ice box, will be distributed to all portions of the room. 3rd. In combination with a closed refrigerating chamber, an ice box open above and below and provided with an inlet conduit tube pipe for drawing the air to be cooled from a point or points in the cooling chamber at a distance from the ice box. 4th. The combination within a closed car chamber or house, &c., of an ice box or chamber, mechanical means for inducing an air blast or current through the ice outlet openings connected with the ice box and arranged in different parts of the chamber so that the air in the chamber, after passing through the ice box, will be distributed and drawn to all portions of the room to be returned again through the ice box. 5th. The combination within a closed chamber, of the ice box and fan blower or other draught producing apparatus, the ice box being provided with an inlet pipe and outlet opening or with an inlet opening and an outlet pipe as may be preferred.

No. 7300. Improvements on Twine Waxing Machines. (*Perfectionnements aux machines à cirer le fil.*)

Raymond and William C. Blakeston, Quebec, Que., 5th April, 1877, for 5 years.

Claim.—1st. The combination of the wax box A (higher at one end than at the other), the grating C arranged at an angle and provided with elastic wingers D and a warm water vessel B. 2nd. The combination of the wax box A, inclined guide F, grating C provided with elastic wingers D and a warm water vessel B.

No. 7301. Improvements on Hand Stamps for Ornamental Designs or Letters. (*Perfectionnements aux estampes à main pour dessins et lettres d'ornement.*)

Hugh Silver, Lauvéay, Ont., 5th April 1877, for 5 years.

Claim.—1st. A hand stamp, the surface A of which is curvilinear and having a stereotype design B of any flexible composition, cemented thereto and provided with a suitable handle for giving it a rocking motion. 2nd. A hand stamp constructed with a curved face A and bearing blocks C, corresponding in height to any stereotype design cemented thereto, and having on the back transverse slats D and a longitudinal handle E secured thereto. 3rd. A hand stamp constructed of plates F F separated by blocks I and provided with an opening G, forming a handle H and clamp J, and having a curvilinear edge and grooved plates K engaging therewith, with stereotyped letters of any flexible composition cemented thereon, whereby lettered plates can be interchangeably adjusted and held firmly in position.

No. 7302. Improvements on Gas Regulators. (*Perfectionnements aux régulateurs à gaz.*)

George Taylor, New-York, U. S., 5th April, 1877, for 5 years.

Claim.—1st. In combination with the flexible diaphragm G and valve seat C the valve and balance cup D to receive the necessary amount of loading. 2nd. The double diaphragm G composed of one layer of leather and one layer of parchment paper, and arranged in relation to the stem P and valve and balance cup D. 3rd. The combination, in a gas regulator, of the flexible diaphragm G, stem P, valve seat C, bar H, guide pin I and valve and balance cup D.