

No. 8642. Improvements on Buggy Tops.*(Perfectionnements aux soufflets de voitures.)*

James H. Tackaberry, Tilbury East, Ont., 12th April, 1878, for 5 years.

Claim.—1st. The construction of the frame so as to form a jointless buggy top in position as a top at all times, whether raised or in a reclining position, in combination with quarter circle G, with the spring N attached as set forth; 2nd. The iron railing H, with eye attachment and quarter circle Y, in combination with the notch or shoulder S; 3rd. The plate F in combination with the pinion or bolt M.

No. 8643. Improvements on Sewing Machines.*(Perfectionnements aux machines à coudre.)*

Ruben M. Rose, Brooklyn, N.Y., U. S., 12th April, 1878, for 5 years.

Claim.—The combination of the presser carrier and guide E, the presser and needle guide G, the spring and the tappet, the whole organized as described, to be attached to and detached from a sewing machine, and when attached thereto to be operated by the action of the needle carrier on said tappet.

No. 8644. Improvements in Cabinet Desks.*(Perfectionnements aux pupitres-buffets.)*

Joseph A. Moore, Indianapolis, Ind., U. S., 12th April, 1878, for 15 years.

Claim.—1st. The two wings pivoted or hinged together; 2nd. The two wings pivoted or hinged to a common shaft, upon which the wings rotate in opening and closing; 3rd. The wings constructed with a recess F therein, for the reception of the ends of the writing table when the desk is closed; 4th. The combination with the table B, of the shaft C and brace B₂, forming the support for the said table; 5th. The combination with the wings of a cabinet desk, of the upright shaft C forming the hinge pivot therefor; 6th. In combination with the upright shaft C and the wings A, a projecting arm C provided with pivots c c forming the hinge for the desk; 7th. The combination with the upright shaft C and one of the wings A, of the projecting piece C₄, having pivot c forming the hinge for one of the wings of the desk; 8th. A desk composed of rotating wings, the circular track E attached to either the wings or the base, in combination with said wings; 9th. A cabinet desk so constructed that the top thereof may be used as a standing desk, while the front is used as a sitting desk; 10th. The combination of the table B, provided with downwardly projecting pin b, with the brace B₂ provided with a socket and thumb screw b₁, for the purpose of adjusting the height of the front edge of the table.

No. 8645. Improvements on Thimble Skeins.*(Perfectionnements aux cuillers d'essieux.)*

Simeon V. King, Hamilton, Ont., 12th April, 1878, for 5 years.

Claim.—1st. A thimble skein having its under or bearing side A thicker at the flange A and nipple B, than at the upper side C; 2nd. In combination with a thimble skein, of a shallow upwardly tapering recess E, for a lubricating reservoir.

No. 8646. Table for Washing and Ironing.*(Table pour laver et repasser.)*

George W. Williams, Boston, Mass., U.S., 12th April, 1878, for 5 years.

Claim.—The combination of the hinged top B and the ironing board C, the hinged tub rest E and the brace F, with the hinge I and pivot G.

No. 8647. Improvements in Knitting Machines.*(Perfectionnements aux machines à tricoter.)*

Thomas Newbigging, Adam Kay and Richard I. Creelman, Georgetown, Ont., 12th April, 1878, for 5 years.

Claim.—1st. The combination of a revolving cam having an inflected groove, and the needles G with upwardly bent ends G₁, arranged to fit in said groove, with the stationary disc C provided with radially cut grooves; 2nd. A revolving needle operating cam having an inflected groove to receive the upwardly bent ends of the needles, in which cam the bounding edge follows the sinuosity of the groove at such a distance away that the bent ends of the needles may be inserted into or removed from the groove without disturbing the position of the cam; 3rd. The bracket driving arm H attached to the cam cylinder, cog-wheel or other suitably operating part of the machine, in combination with the needle operating cam and its connections; 4th. A ribbing attachment consisting of the bracket arm H, cam E, needles G and disc C, in combination with a cylinder knitting machine.

No. 8648. Improvements on Sash Pulleys.*(Perfectionnements aux poulies de croisées.)*

Benjamin D. Washburn, Boston, (Assignee of Henry A. Wilbur, Somerville,) Mass., U.S., 12th April, 1878, for 5 years.

Claim.—1st. Securing the plates B B of the pulley casing to the face plate A, by means of a strip G cut from the centre of the face plate and bent over the edges of the casing; 2nd. The strip E cut from the centre of the face plate and attached to a rivet F, connecting the two sides of the casing together; 3rd. Connecting the sides B B of the casing to the face plate A by means of the rivets a a; 4th. The combination with the pulley C, composed of the two metal plates or disks of the interposed block D.

No. 8649. Improvements on Ozone Machines.*(Perfectionnements aux machines à ozone.)*

Amos W. Sangster and Edward M. Jewett, Buffalo, N. Y., U. S., 12th April, 1878, for 5 years.

Claim.—1st. The combination of the dome A, frame J and a float for supporting the phosphorus; 2nd. The combination of the dome A, springs B D E, and vessel C, for the purpose of holding the dome vertically and retaining it at one point; 3rd. The combination of the dome A, vessel C, float G, phosphorus K, and the interposed frame J; 4th. A glass dome A, provided with an inwardly projecting flange F.

No. 8650. Improvement on Stoves, &c.*(Perfectionnement des poêles, etc.)*

James B. Andrews, Jersey, N. J., U. S., 12th April, 1878, for 5 years.

Claim.—The suction blower with vanes having their forward ends bent and rear ends curved, the whole mounted and secured to the shaft.

No. 8651. Improvements in Straw-Carriers.*(Perfectionnements dans les claies à paille.)*

Freedom G. Shepard, Battle Creek, Mich., U. S., 12th April, 1878, for 5 years.

Claim.—1st. A straw-stacker for threshing-machines made in sections hinged together and provided with pins, studs, or their equivalent, near the point of hinging; 2nd. The hinged sections of a straw-stacker, provided with pins or studs b b or their equivalent, arranged on opposite sides of the pivots of the hinges, and in close proximity therewith; 3rd. The straw-stacker formed of hinged sections, and provided with pins, studs, or their equivalents, near the point of hinging, in combination with the rope or cord attached to said carrier at a point beyond the hinge or pivot; 4th. The straw-stacker formed of the hinged sections, and provided with the pins, studs, or their equivalent, and the cord, in combination with the windlass.

No. 8652. Improvements in the Application of Pneumatic, Hydraulic, or Steam Pressure.*(Perfectionnements dans l'application de la pression pneumatique, hydraulique ou de vapeur.)*

John W. Hyatt, Newark, N. J., U. S., 12th April, 1878, for 15 years.

Claim.—The flexible chambers composed of elastic metal plates connected alternately centrally and circumferentially.

No. 8653. Improvements on Bed Bottoms.*(Perfectionnements aux fonds de lits.)*

Norton Adams and Lorenzo D. Mott, Ottawa, Ont., 12th April, 1878, for 5 years.

Claim.—1st. The slot C, cross-slot F₁, slot or opening D, screw B and tightening screw K combined together as a compound bed-slat; 2nd. The compound slot X with tin plates G, washers H, hinges L, cord M, support I and notches J.

No. 8654. Improvements on Ventilators.*(Perfectionnements aux ventilateurs.)*

James E. Ellison, Leeds, Eng., 12th April, 1878, for 5 years.

Claim.—1st. The form of aperture for an air inlet larger in the inside than on the outside, with a tapering connection between; 2nd. The intermediate chamber for the equalizing of the temperature.

No. 8655. Torch for Lighting Gas.*(Flambeau pour allumer le gaz.)*

William W. Batchelder, New York, U.S., 12th April, 1878, for 5 years.

Claim.—1st. A gas torch provided with mechanism operated automatically to withdraw the tape or primer from the magazine and feed and ignite the same by the reaction of a spring operated by means of a cord, wire or chain extending down the interior of the tube of the torch to an operating lever; 2nd. A gas torch having the magazine located upon the same side of the bend as the handle thereof, whereby all injury to the globe or shade is avoided in the use of the instrument, and all danger of the magazine becoming heated and the contents ignited is obviated; 3rd. The combination in a gas torch, of the tubular extension C and tubular section E, riding thereon and operated by means of a spring and a chain, cord or wire extending to a lever near the handle, with the springs H and I and number K, whereby the tape or primer is withdrawn from the magazine and fed forward and ignited; 4th. In combination with the tube A, the longitudinal partition therein dividing the same into two compartments for the passage of the operating wire and the tape or primer, forming a flat guide for the latter; 5th. In combination with the tape or primer, a fastening device for securing the end of the same within the magazine to prevent the tape from being wholly withdrawn therefrom in order to provide for the attachment of a fresh tape or primer; 6th. A portable percussion torch for lightening gas, constructed and arranged to operate as described.

No. 8656. Music Transposing Board.*(Transpositeur musical.)*

Laing Anderson, Corseley, Ont., 18th April, 1878, for 5 years.

Claim.—1st. A musical transposing board with staff lines, having notated letters or characters attached to the ends of wires operated by a key-board; 2nd. In combination with a transposing board having notated characters operated by wires, a plate J and scale L operating slidably; 3rd. The combination with a transposing board having notated characters operated by wires, of a slide J for holding the transposing scale L, and a bell or gong G tuned to operate as set forth.

No. 8657. Improvements on Harrows.*(Perfectionnements aux hersees.)*

John McKenzie, East Missouri, Ont., 18th April, 1878, (Extension of Patent No. 2256,) for 5 years.

No. 8658. Process for Treating the Metal of Old Car Wheels.*(Procédé de traitement du métal des vieilles roues de wagons.)*

George W. Swett, Troy, N. Y., U. S., 24th April, 1878, for 5 years.

Claim.—In melting the metal in a reverberatory furnace by means of a carbonizing flame until a highly heated state of liquidity is obtained, and in sequence the application of a decarbonizing flame to the extent described, and the subsequent addition of speigle Tranklenite, or number one or number two iron, in the proportions named.