

No. 9357. Improvements on Stove Grates.*(Perfectionnements aux grilles des poêles.)*

Samuel Smyth, Pittston, Pa., U. S., 19th November, 1878, for 5 years.

Claim.—The prismatic grate-bar having surfaces that support the fuel and composed of cross pieces projecting above the body of the bar sufficiently to allow the air to enter laterally from either side, and which cross pieces also project at the angle of the bars.

No. 9358. Improvements on Venetian Blinds.*(Perfectionnements aux jalousies.)*

Samuel Brillinger, Markham, Ont., 19th November, 1878, for 5 years.

Claim.—1st. The combination of the spring catch A and the metal disc or semi-circle B. 2nd. The combination with the indentations of the metal disc or semi-circle B.

No. 9359. Improvements on Wheel Hubs.*(Perfectionnements aux moyeux des roues.)*

George Bartlett, Gananoque, Ont., 19th November, 1878, for 5 years.

Claim.—The flanged inner half A of the hub cast in one piece with the threaded axle box D, in combination with the spokes C, the loose collar G, the nuts F E, the ring block H of wood and the flanged hollow outer half B of the hub secured to the spokes and the inner half.

No. 9360. Cement.*(Ciment.)*

Ebenezer Willis, Ayer, Mass., U. S., 19th November, 1878, for 5 years.

Claim.—Particles of iron in combination with plaster clay, or some like substance, to hold them temporarily in position, and some mild acid to cause oxidation of the particles of iron, by means of which oxidation the cement shall become hardened and solidified without the action of fire or heat.

No. 9361. Improvements on Shovel Handles.*(Perfectionnements aux manches des pelles.)*

Henry M Myers, Beaver Falls, Pa., U. S., 19th November, 1878, for 10 years.

Claim.—A socket and handle straps combined for securing the wooden handle B to the blade A of a scarp, shovel or spade, said socket and straps being formed of two pieces of sheet or plate metal.

No. 9362. Machine for Elongating and Straightening Horse-Shoe Nail Blanks.*(Machine à élargir et redresser les ébauches de clou à cheval.)*

Randolph Hersey, Montreal, Que., 19th November, 1878, for 5 years.

Claim.—1st. The combination of the rolls C' and D', straightener C and straighteners I H; 2nd. The combination of the straighteners I H, bar N having rounded end P; 3rd. The combination of the die I having recess L, bar F' having head H, rock shaft and arm C' E and elastic cushions S; 4th. The combination of the die I and head H with the elastic cushions S whereby the pressing action of the said die and head are controlled by the yielding of the said cushion; 5th. The combination of the rolls A B C' and D', with the tube G having door A and spring catch C; 6th. The combination of the straightener C pivoted on I and screw T.

No. 9363. Improvements on Ironing Boards.*(Perfectionnements aux planches à repasser.)*

Antoinette M. S. Goldschmidt, Hamilton, Ont., 19th November, 1878, for 5 years.

Claim.—The combination of the boards 1 2 and 3 hinged together, whereby either of the three boards, sized for different garments, can be adjusted to a horizontal position, when two are in position, clamping the projecting edge of a table.

No. 9364. Fluting and Plaiting Machine.*(Machine à tuyauter et plisser.)*

Antoinette M. S. Goldschmidt, Hamilton, Ont., 19th November, 1878, for 5 years.

Claim.—1st. The combination of the frame A and the rotating grooved cylinders F H removable therefrom by endwise movement; 2nd. The combination of the removable grooved cylinders F H, frame A, sliding journal block G, spring M and pressure screw J.

No. 9365. Fishing and Wharf Lamp.*(Lampe de pêche et de quai.)*

Leonidas L. Wilson and Levi S. Keagle, Centre Point, Iowa, U. S., 22nd November, 1878, for 5 years.

Claim.—1st. The cage H formed of wires F or a wire gauge covering and heads I, in combination with the perforated tube D for containing the asbestos wick or filling G; 2nd. A burner composed of a cage formed of parallel wires filled with asbestos and provided with a supply tube and extinguisher; 3rd. The combination in a wharf lamp, of the wire gauze safety attachment e and the feeding tube D; 4th. The reservoir A, perforated tube D having the stop cock E, the wire cage H, the extinguisher K and the asbestos filling G, in combination as described.

No. 9366. Improvements on Clothes Dryers.*(Perfectionnements aux séchoirs à linge.)*

John H D Everett, Hawkesbury, Ont., 22nd November, 1878, for 5 years.

Claim.—1st. The combination of upper standard A, lower standard G and sliding bar D, having circular holder F and circular collar I; 2nd. The combination of upper standard A having swivelled rubber head A', ratchet bar B and clasp B'; 3rd. The combination of the lower standard C having triple fluted swivel stop C' and clasp C' furnished with a ratchet pawl C'; 4th. The combination of the circular holder F having arms G and supports K, circular collar I and clasp H, with pin and chain M and handle L.

No. 9367. Vessel for Measuring Liquids.*(Vaisseau pour mesurer les liquides.)*

William F. Sherman, Lowell, Mass., U. S., 22nd November, 1878, for 5 years.

Claim.—1st. The vessel A in combination with the reservoir B and wall a. 2nd. The reservoir B combined with a vessel A to receive the overflow.

No. 9368. Self-Weighing Machine.*(Appareil de pesage automatique.)*

Thomas Ford, Plattsville, Ont., 22nd November, 1878, for 5 years.

Claim.—1st. The combination of the receiving hopper A, having a hinged bottom B, provided with a counterbalanced arm or level C, and a weighing hopper E hung on a scale beam F, whereby the hinged bottom is opened and closed automatically; 2nd. The combination of a hinged bottom weighing hopper E, trunnion between jaws on a scale beam F and a weighted lever K, adjusted to hold the hinged bottom B securely while receiving the grain, and be released by the gravity of the grain causing the hopper to fall and the bottom to drop, to discharge the contents of the hopper; 3rd. The combination of a weighing cylinder E, having a hinged bottom H provided with a spring detent J and a lever K engaging therewith; 4th. The weighing cylinder E provided with a spring I, curving under the hinged bottom H, to close the same when the cylinder is emptied; 5th. The combination with the lever K of a registering device operated by the pawl N and ratchet O.

No. 9369. Improvements on Fanning Mills.*(Perfectionnements aux tarares-cribleurs.)*

John Dickieson, North-Bedeque, P. E. I., 22nd November, 1878, for 5 years.

Claim.—1st. The fan-wheel constructed of a pentagonal or polygonal hub F of plate or cast iron, having flanges G to which the spokes are bolted, and flanges H for retaining the spokes laterally; 2nd. The fan-wheel having triangular fans N, 3rd. The shoe D having projecting eyes K as bearings in lieu of grooves, for changing the inclination of the screens and for fastening the same by a rod M.

No. 9370. Improvements on Liquor Registers.*(Perfectionnements aux registres à liqueurs.)*

Samuel H. Moffett, Harrisonburg, Otis Dean, Richmond, and Fontaine D. Johnson, Culpeper, Va., U. S. A., 22nd November, 1878, for 5 years.

Claim.—1st. The shaft G with flange e and pawl and ratchet p. s. striker D with lug d and springs a b, the bell or gong C and the registering mechanism with pointers and dials, all enclosed within a box; 2nd. The combination of the box A having lugs b, the lid B having hooks at d and the spring-latch A'; 3rd. The combination of the lock box B', plate C' and the slide f' provided with the projecting lip e.

No. 9371. Improvement on Fanning Mills.*(Perfectionnement aux tarares-cribleurs.)*

Arthur J. Hartwell, Brockport, N. Y., U. S. A., 22nd November, 1878, for 5 years.

Claim.—1st. In a fanning mill having double fans, the combination with the fans B B' and their cases C, of the hinged valves m m' and the upper and lower edges of said fan cases and the double hinged valves n n' at the centre next the screws, and arranged to be adjusted to different positions to modify and regulate the blasts; 2nd. The combination with a set of screens for separating grass-seed, of screens 3 and 7, covered with a coat of paint for the purpose of separating plantain and other similar seeds of a furry nature; 3rd. The hinged screen-door H covering the discharge end of the mill, leaving the dead space u and throat v between it and the end of the shoe, for the discharge of chaff into a receptacle below.

No. 9372. Machine for the Manufacture of Hoops.*(Machine pour la fabrication des cercles.)*

David H. Burrell, James H. Ives, Rodney S. Whitman, Walter W. Whitman and David H. Burrell, Little Falls, N. Y., (Assignees of John B. Dougherty and James Naylor, Jr., Rochester, N. Y.,) U. S. A., 22nd November, 1878, for 5 years.

Claim.—1st. The machine for compressing and compacting the fibres of wooden hoops and giving form to their exterior surface, consisting essentially in the pair of compressing rolls operating upon the material passing between them; 2nd. The compressing rolls, in combination with the rotary cutters for removing the corners from the hoops; 3rd. The rolls H H' operating as feed-rollers, in combination with the rotary cutters I I' for removing the corners from the hoop; 4th. The compressing and forming rolls, in combination with the crimping roll; 5th. The combination of the compressing rolls, the rotary corner cutters and the crimping roll; 6th. The arrangement of the rotary cutters I I', so that each arbor with its cutters dress both the inside and outside of the hoop simultaneously; 7th. A wooden hoop having compacted fibres and finished compressed form imparted to it.

No. 9373. Combined Clover Thresher, Huller, Separator and Cleaner.*(Batteur, épilateur, séparateur et nettoyeur de trèfle, combinés.)*

John C. Birdsall, South Bend, Ind., U. S. A., 22nd November, 1878, for 5 years.

Claim.—1st. The combination of the screen I and the bottom board I' shorter than the screen, both delivering upon the riddle K of the shoe, the shoe, the fan and the adjustable deflector; 2nd. The combination with the fan and the riddle K of the screen I and bottom I', the said screen projecting beyond the bottom and having its movement independent of the riddle, and delivering directly upon it; 3rd. The combination with the wind-board, of the vertical rack and pinion in the shaft carrying the index arm; 4th. The combination with the wind-board N, rack-bar N' and pinion N"; 5th. The combination with the wind-board N, adjustable at its heel, of the rack-bar N', pinion and actuating index arm N';