

No. 7192. Improvements on Car Wheels.

(Perfectionnements aux roues de wagons.)

John K Sax, Pittston, Pa., U. S., 10th March, 1877, for 5 years.

Claim.—1st. A car wheel produced by introducing the metal from below near the periphery of the mould in several streams flowing spirally from the centre and issuing upwards; 2nd. The mode of casting car wheels, that is by introducing the metal from below near the periphery of the mould in several streams flowing spirally from the centre and issuing upwards nearly parallel to the periphery. 3rd. The mode of casting car wheels by introducing the entire body of metal at the periphery in a series of streams at regular intervals, each at such an angle as will impart a rotary motion to the entire body of metal until the mould is filled; 4th. The regularly curved sprue rods C constructed to form curved channels leading spirally from the centre sprue to the rim of the mould. 5th. The pattern block E adapted to form below the sprue D an enlarged central receiving basin communicating with the sprue channels c. 6th. The combination of the central hollow core having an enlarged bottom portion with a mould having the basin b below the core and the sprue holes C radiating spirally from the basin to the lowest part of the rim. 7th. A chill provided with a vertical re-anchoring flange a permanently attached to and forming part of the chill and extending upwards to enclose the cope; 8th. The combination of the flanged chill and the cope I, enclosed by the flange.

No. 7193. Improvements on Screw Fastenings.

(Perfectionnements dans le passage des vis.)

John McCarthy, Syracuse, N. Y., U. S., 10th March 1877 for 5 years.

Claim.—The screw s fitted loosely in the body B, and a movable catch or sectional nut h in channel c transverse in said body and held engaged with the threads of the screw by a spring.

No. 7194. Improvements on Hat Machines.

(Perfectionnements aux machines à chapeaux.)

Ambrose Hill, Yonkers N. Y. U. S. 10th March 1877, for 5 years.

Claim.—1st. The combination of the hinged frame B spring C shaft F pulley G fly wheel H turning wheel I, connecting rod D, treadle L, with each other and with the frame A, for taring hat brims. 2nd. The combination of the adjustable bar K, adjustable rest bar L, and detachable rest M with each other and with the frame A for supporting hat brims while being lured.

No. 7195. Improvements on Gang Plough Frames.

(Perfectionnements aux bâtis de charrues a soes multiples.)

David W Vary Strathroy Ont., 10th March, 1877, for 5 years.

Claim.—Two or more holes D in gang plough frame A, in connection with movable centre pin C for the purpose of equalizing the draft of the plough, so that the plough will accommodate itself to hard or soft soil.

No. 7196. Improvements on Work Tables.

(Perfectionnements aux tables a ourrages.)

Mary F Scott, South Bend, Ind., U. S., 10th March 1877, for 5 years.

Claim.—1st. The construction of the rotating top, comprising the two ovalagonal boards a and the cylinder or socket B in combination with the triangular drawers C C C C C C C; 2nd. The combination with the rotating top and triangular drawers of the spiral springs (or rubber bands) E E E E E E E; 3rd. The combination of the complete rotating top with the stem A and feet H.

No. 7197. Improvements on Boot and Shoe Tips.

(Perfectionnements aux caucres de chaussures.)

William Green, Montreal, Que. 12th March 1877 for 5 years.

Claim.—1st. The tip B made of sole leather, trimmed and compressed to shape to prevent the wearing out of the vamps in the toe part of the shoe or boot in combination with the turn shoe or the turn boot. 2nd. The peculiar manner of securing the tip B made from the tip blank C, to turn shoes or to turn boots by sewing the tip blank in the same manner as and simultaneously with the vamps to the sole a hile the shoe or boot is being made.

No. 7198. Improvements on Fanning Mills.

(Perfectionnements aux tararis.)

William McKenzie Morrisburgh Ont. 13th March, 1877, for 5 years.

Claim.—1st. The combination of the parts A and B by the pivot d or its equivalent and hanging the combined shoe at the outer end by one set of hangings and hanging the parts separately at the inner ends. 2nd. The combination of the shaker C with the shoe A B, so that the same shaker at the same time shall make A and B shake equally, or either more or less than the other.

No. 7199. Improvements on Washing Machines.

(Perfectionnements aux machines a laver.)

Garret Seger and William Stanton Humberstone, Ont., 13th March 1877 for 5 years.

Claim.—The combination of the ribbed roller B and the washboard I.

No. 7200. Improvement on Horse Car Pole Attachments.

(Perfectionnements dans l'ajustage des timons de cultures de courtoisys.)

Samuel A Otis Boston Mass. U. S., 13th March 1877 for 5 years.

Claim.—1st. The combination of the pin B hook D and lifting chain or strap H with the draw bar A. 2nd. The combination of the pin B, start M, screw U, and hook D.

No. 7201. Art of Drying Fish.

(Art de secher le poisson.)

Norman Durkee, Yarmouth, N. S., 13th March, 1877, for 5 years.

Claim.—1st. The combination of railways with a fish store, so as to allow flakes to be rolled or slid upon them. 2nd. The construction of the flake or flakes with rollers attached to the sides to roll upon the rails so that the flak may be pushed easily over them out of, or into, the fish store when spread full of fish.

No. 7202. Improvements in the Process of Preserving Meat.

(Perfectionnements dans les procedes de conservation de viande.)

John Harvey, London, Eng. 13th March 1877 for 5 years.

Claim.—Subjecting the substances to the action of sulphurous acid gas obtained from the combustion of bisulphide of carbon.

No. 7203. Improvements in Sap Spouts.

(Perfectionnements aux tuyaux de sucerres.)

Hubert R. Ives, (Assignee of Noah P. Leach), Montreal, Que., 13th March, 1877, for 5 years.

Claim.—1st. In many screwed sap spout, the combination therewith of a recessed or cut away portion, having aperture therein and being formed immediately in rear of a projecting ridge fitting the lower part of the bit hole. 2nd. In combination with the trough of any sap spout, the projections H H formed on its sides.

No. 7204. Improvement on Fences.

(Perfectionnement des clôtures.)

Cyrus L. Topliff, Brooklyn, N. Y., U. S., 13th March, 1877, for 5 years.

Claim.—1st. A barbed sheet metal plate having two rows of barbs formed by serrating its edges and turning them up at right angles to the body of the plate and parallel to each other.

No. 7205. Improvements on Wash-boards.

(Perfectionnements aux planches a savonner.)

George Groom, Hamilton, Ont., 13th March, 1877, for 5 years.

Claim.—A wash board having two rubbing corrugated sides B, one side corrugated finer than the other.

No. 7206. Improvements in Plane Guides.

(Perfectionnements aux guide-sabots.)

Andrew J. Teamer, Evansville, Ind., U. S., 13th March, 1877, for 5 years.

Claim.—1st. The combination of the hinging and clamping bolts d with the plane A and plate F having ears e, e, and with the guide B and plates D having projection b. 2nd. The plate e having slots g with enlarged openings i, in combination with the guide B and its set screw a. 3rd. The combination of the guide B and the plates D, having a graduated segmental projection b, with the plane A and the plate F having ears e e.

No. 7207. Improvements on Stove-pipe Elbow Blanks.

(Perfectionnements aux ebauches de coudes de tuyaux de poels.)

Green Choate, East Saginaw, Mich., U. S., 13th March, 1877, for 5 years.

Claim.—A blank for a four piece elbow cut on three similar, but oppositely arranged, reversed curves from a rectangular sheet of metal and punched for receiving rivets.

No. 7208. Improvements on Match Splints.

(Perfectionnements aux ebois d'allumettes.)

George Hargreaves, Detroit, Mich., U. S., 13th March, 1877, for 5 years.

Claim.—1st. A match splint having a reduced blunt end adapted to receive the dip, 2nd. A match splint provided with a reduced blunt piece or block at its dipping end, and with a tapering part which connects said block to the main body of said splint. 3rd. A match splint having a tip a, which is similar in cross section to the main part of said splint and an intermediate tapering part a'. 4th. A match splint having a curved tapering portion extending from the body of said splint to a diminished blunt dip end.

No. 7209. Improvements on Spring Bed Bottoms.

(Perfectionnements aux fonds de lits a ressorts.)

Porter Williams, London, Ont., 13th March, 1877, for 5 years.

Claim.—Rods FF coil springs G G caps H H and nuts I I contained in arbors E L in the blocks C. D, in combination with the bed bottom constructed of longitudinal slats A A and cross pieces B B.

No. 7210. Improvements on Inhalers.

(Perfectionnements aux inhalateurs.)

Jeremiah S. Letts, Ripon, Wis., U. S., 13th March, 1877, for 5 years.

Claim.—The bottle C connected with the bottle B by means of the tube S, so arranged that one end shall be above the liquid in the bottle C and the other end below the surface of the liquid in the bottle B in combination with a bottle A, valve O and tube X connecting the bottles A and B arranged to contain cotton or other porous substance, said bottles A B and C being fitted with stoppers perforated to receive the tubes S and X, the mouth piece e and the vent i, and supplied with rubber and metal caps.