

**No. 6243. Improvements on Machines for Burnishing the Edges of Shoe Soles.**

(*Perfectionnements aux machines à polir la tranche des semelles des chaussures.*)

John W. Dodge, Malden, and Charles S. Fildell, Boston, Mass., U. S., 26th June, 1870, for 5 years.

*Claim.*—1st. The combination of the sleeve A, shaft B, and handle J; 2nd. The combination of sleeve A, rods K, and L, and frame M; 3rd. The combination of sleeve A, rods K, L, and I, and frame M. 4th. The combination of sleeve A, shaft B, tang F, and rod G.

**No. 6244. Process and Apparatus for Obtaining and Purifying Paraffine.**

(*Procédé et appareil de production et purification de la paraffine.*)

Francis X. Byerley, Cleveland, Ohio, U. S., 26th June, 1870, for 5 years.

*Claim.*—1st. The crystallizing tank F, provided with a perforated bottom in combination with straining cylinders E, provided with removable bottoms; 2nd. Crystallizing the substance in cylinders by heat or cold, and straining off the waste by means of a pump, then purifying such crystallized substance in a receiver having a filtering bottom with the proper solvents; 3rd. The shaft G, knife H, divided nut I, tongue L, jointed lever M, spring N, wormscrew O, and right angle lever P, weight and cord Q, and pulley Y.

**No. 6245. Improvements on Stoves for Heating Barrels.**

(*Perfectionnements aux poêles de tonnellerics.*)

Henry H. Hale and Edwin A. Shaw, Buffalo, N. Y., U. S., 26th June, 1870, for 5 years.

*Claim.*—1st. The fuel receptacle A and draft cylinder B, provided with annular shield or hood C. 2nd. The combination with the fuel receptacle A, provided with inclined ears E, of the detachable draft cylinder B, and hook C.

**No. 6246. Improvements on Bags.**

(*Perfectionnements aux sacs.*)

Henry Redden, New-York, U. S., 26th June, 1870, for 5 years.

*Claim.*—1st. The funnel-shaped collar B, having its ends screwed into the mouth of the bag A, a little distance within its edge to adapt it to be folded and rolled up within said mouth; 2nd. The combination of the straps C, with the mouth of the bag A, and with the funnel-shaped collar B.

**No. 6247. Improvements on Wrenches.**

(*Perfectionnements aux clés à écrous.*)

Edward H. Knight, Philadelphia, Pa., U. S., 26th June, 1870, for 5 years.

*Claim.*—1st. A wrench in which its jaw (or jaws), is controlled during engagement with the nut or other article and it is permitted to yield to allow the jaws to ride freely over the corners or angles of said article, and then to take hold automatically of an other face of the latter without removal of the wrench; 2nd. A wrench in which one of its jaws C is connected to a sliding bar A, which is controlled by a lever J, when the jaws engage with the nut or other article, and it is permitted to yield on the return movement of the wrench so that the jaws C, D, will ride freely over the corners or angles of said article; 3rd. The sliding bar A, carrying the jaw C, and the controlling lever J, operating thereon; 4th. The sliding bar A, with stop B, the wrench handle with stop a, and the inwardly depressing spring H; 5th. The jaw C, secured to the sliding bar A, and the jaw D, rendered adjustable relatively to the jaw C; 6th. The jaw C, and D, in combination with the sliding bar A, spring H, and the controlling lever J; 7th. The handle B, made of hollow parts or sections, and receiving one end of the sliding bar of a wrench; 8th. The strap F, with slotted plate d, in combination with the screw E, of the jaw of a wrench.

**No. 6248. Improvements on Machines for Welding Iron.**

(*Perfectionnements aux machines à souder le fer.*)

John B. Wills, Keeseville, N. Y., U. S., 26th June, 1870, for 5 years.

*Claim.*—1st. The combination of the dies r, u, t, v, arranged to operate on flat sided bars or rods. 2nd. The combination of the dies r, z, and compound die t, u, made in one piece, arranged to operate on flat sided bars or rods; 3rd. The combination of the dies r, r, and u, arranged to act upon round bars or rods.

**No. 6249. Improvements on Car-couplers.**

(*Perfectionnements aux attelages de wagons.*)

George Jones, Montreal, Que., 26th June, 1870 (Extension of Patent No. 429), for 5 years.

*Claim.*—1st. The novel combination of the hunter head a, recesses b, and c, link d, recess e, ball f, vertical passage g, pin h, and projections i; 2nd. The novel combination of the pin h, ball f, link d, and recesses c, and e; 3rd. The ball f.

**No. 6250. Apparatus for Making Cylindrical Vessels.** (*Appareil à faire les vaisseaux cylindriques.*)

John Kisor, Nevada, Ohio, U. S., 26th June, 1870, for 5 years.

*Claim.*—1st. In combination with the cylinder A, having clamps a, b, b, c, and band D, the plate d, cylinders or rollers E, E, and frames C, F, F. 2nd. In combination with the cylinder or block A, the rollers or cylinders E, E, having the annular flanges g, g, and grooves h, h, pivoted frames F, F, and frame C, or other support for the latter.

**No. 6251. Improvements on Burglar-alarms.**

(*Perfectionnements aux alarme-voleurs.*)

Albert B. Schulenberg Windsor, Ont. (Assignee of John Woolner), 26th June, 1870, for 5 years.

*Claim.*—The strips a, and b, provided at their ends with emery and containing between them a charge of fulminate placed in the space between

the emery and retained in position by loops d, d', and band c, and also in eyelet holes e, e', for affixing the strips so prepared acting in combination or in any other manner.

**No. 6252. Method and Apparatus for Preserving Meat.**

(*Méthode et appareil de conservation de la viande.*)

Kennerd Knott, London, Eng., 26th June, 1870, for 5 years.

*Claim.*—1st. The circulating apparatus composed of the fan blowers B, the freezing box C, having a space B, above it the pipe coil or coils D, contained within it and the perforated air distributing pipes F in combination with a packing chamber A, whereby a circulation of the same body of cold air is maintained in the chamber without contact with the refrigerating agent; 2nd. The freezing box C provided with distributing air chest E, and a coil, or coils D, extending through the refrigerating agent connecting with the air chest; 3rd. The combination of the slotted bearers e, and screws g, for securing the same with the flanged columns f, having a series of perforations.

**No. 6253. Improvements on Apparatus for Pulverizing Ores, &c.**

(*Perfectionnements aux appareils à broyer les minerais, &c.*)

Robert M. Fryer, New York, U. S., 26th June, 1870, for 5 years.

*Claim.*—1st. The combination of a chamber A, arranged to rotate, revolve or oscillate on or about a horizontal axis, and a weight or arm L, so contained within said chamber that by the rotation revolution or oscillation of the said chamber the said weight or arm, and the material placed therein to be operated upon, may be caused by gravitation to have a reciprocating motion falling from one end of the said chamber to the opposite end; 2nd. The combination of a series of chambers A, and contained weights or arms E, with a central shaft S, around which said chambers are arranged for operation; 3rd. The combination of a series of crushing or pulverizing chambers A, and contained weights or arms E, with a centrally arranged amalgamating chamber I.

**No. 6254. Improvements in Tessellated Floors.** (*Perfectionnement des parquets tessellés.*)

Samuel P. Grocock, New York U. S. 26th June, 1870, for 5 years.

*Claim.*—The composite piece or section A, for quarrying flooring formed of wooden blocks b, arranged in a suitable design or pattern and the asphalt backing B, having a tongue and groove connection.

**No. 6255. Improvements on Packing Boxes.**

(*Perfectionnements aux boîtes.*)

Harrison N. Hart, Sandwich, N. H., U. S., 26th June, 1870, for 5 years.

*Claim.*—A packing box for lamp chimneys having a series of triangular compartments E, F, constructed and arranged in alternate order between the dividing walls C, B, and D.

**No. 6256. Machine for Lifting Weights.**

(*Machine à lever les fardeaux.*)

Lafayette A. Melburn, Napanee, Ont., 26th June, 1870, for 5 years.

*Claim.*—The combination of the frame A, fulcrum rod B, head C, friction loops D, and F, lug E, link G, and lever H.

**No. 6257. Improvements on Carriages.**

(*Perfectionnement aux voitures.*)

Simon P. Graham, London, Ont., 30th June, 1870 (Extension of Patent No. 1041), for 5 years.

*Claim.*—The manner of construction and making out of sheet iron the bracket body A, in connection with the wooden frame B, sill and body loop C, and seat D, in connection with the corner iron I, and corner iron and handle combined K, flange casing M and fillet under the top part of seat N, the iron bracket F and the manner of making reach G, in connection with the fifth wheel H and inverted V shaped iron L, and the construction of the spindle seat in connection with the hollow spindles with the iron rail M, bent frame for bottom of seat O.

**No. 6258. Improvements on Carriages.**

(*Perfectionnements aux voitures.*)

Simon P. Graham, London, Ont., 30th June, 1870 (Extension of Patent No. 1041), for 5 years.

**No. 6259. Apparatus for the Extraction of Gold from Auriferous gravel.**

(*Appareil pour l'extraction de l'or du gravier aurifère.*)

Philip Cadell, Victoria, B. C., 7th July, 1870 (Extension of Patent No. 3489), for 5 years.

**No. 6260. Improvements on Fire Hydrants.**

(*Perfectionnements aux bornes-fontaines.*)

Joseph P. Gallagher, St. Louis, Mo., U. S., and Jones M. Chapman, Sherbrooke, Que., 7th July, 1870, for 5 years.

*Claim.*—1st. The vertical shaft N, having cam Nt, at lower end, in combination with cam yoke O, and valve stem I, and handle N2, for operating slide valve H, working in chamber G. 2nd. The valve I, composed of leather discs i, and secured by screw collars i2, independently of the conical part i, in combination with a screwed shank l, working up into the hollow handle D, with sleeve nut m, at its flanged or lower end and held firmly in its place by cap E, to prevent the vertical movement of the hollow handle D, and sleeve nut m, for operating valve I; 3rd. One or more delivery pipes arranged with suitable valves to shut off the delivery pipes separately and allow one or more engines to connect and work or detach without interfering or stopping each other while working in combination with valve chamber A, and escape passage f, b, which drains all the water from the delivery pipes and prevents all danger of freezing.