

**No. 6688. Water-Proof Prunella.***(Prunelle imperméable.)*

Edward D. Westgate and James G. Davie, Montreal, Que., 19th October, 1876, for 5 years.

*Claim.*—1st. The art of preparing or rendering prunella water-proof by treating it in a solution of alum and a solution of stearate of soda; 2nd. The art of preparing or rendering prunella water-proof by treating it with a solution of alum and a solution of soap.

**No. 6689. Manufacture of White Bricks, &c.***(Fabrication des briques blanches.)*

Thomas M. Clark, Ottawa, Ont., 19th October, 1876, for 15 years.

*Claim.*—A composition of matter composed of from one-fourth to one-third, or thereabouts, of shell marl, and from three-fourths to two-thirds of aluminous clay or thereabouts, the proportions varying according to the quantity, more or less, of oxide of iron contained in the clay.

**No. 6690. Art of, and Machine for, Making Screw Stocks.***(Art de faire les filières à coussinets et machine pour cet objet.)*

Samuel Vanstone and John W. Hoard, Providence, R. I. U. S., 19th October, 1876, for 5 years.

*Claim.*—1st. A machine for making a thread or groove on a continuous wire shaping rollers provided with grooves adapted to impart to the wire a form somewhat elliptical in cross section, and also longitudinal groove or their equivalent; 2nd. The shaping rollers provided with grooves having diagonal scores therein; 3rd. The combination with a pair of geared roller shafts of a hub upon one of the shafts made adjustable thereon relatively to its gear.

**No. 6691. Art of Making Screw Stocks.***(Art de faire les filières à coussinets.)*

Samuel Vanstone and John W. Hoard, Providence, R. I. U. S., 19th October, 1876, for 5 years.

*Claim.*—1st. Rolling the metal to a somewhat oval form grooved or flattened on two opposite sides, and then passing the same between rolls each having a semi-cylindrical groove, that is obliquely scored or chased, said scores being such as to produce the spiral thread or threads; 2nd. A continuous wire or rod having throughout its length screw threads rolled thereon and projecting above the cylindrical body of the wire and adapted to be cut up into pieces of proper lengths for screws or threaded nails; 3rd. A continuous rod or wire for screws or nails rolled with raised threads thereon alternating with cylindrical or unthreaded portions; 4th. A screw or screw blank having crescent shaped eccentric threads projecting from a cylindrical stock.

**No. 6692. Improvements on Hubs.***(Perfectionnements aux moyeux.)*

Levi N. Bewley, Corning, and Arthur R. Coleman, Canisteo, N. Y., U. S., 21st October, 1876, for 5 years.

*Claim.*—1st. The cap E<sub>1</sub> having screw threaded necks *f f*<sub>1</sub> in combination with the wooden hub C having screw threaded band D and the axle box B having screw threaded end C; 2nd. The caps E E<sub>1</sub> having screw threaded necks *e e f f*<sub>1</sub>, the wooden hub C having screw threaded bands D D<sub>1</sub> and the axle box B having screw threaded ends *c c*.

**No. 6693. Improvements in Stoves.***(Perfectionnements dans les poêles.)*

John W. Elliot, Toronto, Ont., 21st October, 1876, for 5 years.

*Claim.*—1st. The combined heating and cooking chamber F provided with detachable covers J and perforated bottom, in combination with the coal feeder C, fire chamber B and exterior enclosing flue H; 2nd. The flue H passing around the exterior of the chamber F, in combination with the fire chamber B and pipes E; 3rd. The spider G in combination with feeder C, chamber F and fire pot; 4th. The hot air pipe K in combination with the combined heating and cooking chamber F, provided with the regulating inlet damper K<sub>1</sub>.

**No. 6694. Device for Preventing Backlash of Machinery.***(Appareil pour empêcher les contre-coups des machines.)*

John A. Hafner, Philadelphia, Pa., U. S., 21st October, 1876, for 5 years.

*Claim.*—1st. The spring A composed of two or more plates or leaves of varying thickness from the inner to the outer one, and having the loop *b* and hook *a*; 2nd. The hub B having central flange *d* and a notch *e* for the hook *a* of the spring A when constructed larger on one side of said flange than on the other.

**No. 6695. Process of Preserving Lobsters.***(Procédé de conservation des homards.)*

Joseph C. Ayer, Amherst, N. S., 21st October, 1876, for 5 years.

*Claim.*—Cooking the carcase in the shell, washing the shell with diluted acetic acid, drying the shell, coating or smearing it with oleaginous matter, freezing the carcase in the shell, the lobster to be kept in such frozen state until used.

**No. 6696. Improvements on Step Ladders.***(Perfectionnements aux échelles à queue.)*

Charles H. Warren, Toronto, Ont., 21st October, 1876, for 5 years.

*Claim.*—The bracket A with projecting box *a* having a corrugated crown piece *c* in combination with the supporting legs C.

**No. 6697. Improvements on Saw-horses.***(Perfectionnements aux chevaux de bois.)*

Charles H. Warren, Toronto, Ont., 21st October, 1876, for 5 years.

*Claim.*—The legs A pivoted upon the rung B, with or without the washers C, in combination with a brace plate D or its equivalent.

**No. 6698. Improvements on Steam Radiators.***(Perfectionnements aux radiateurs de vapeur.)*

William B. Snow, Brooklyn, N. Y., U. S., 21st October, 1876, for 5 years.

*Claim.*—The hollow sections A A united at or near their opposite ends, alternately and respectively, by means of cylindrical or approximately straight screw nipples B and tapering screw nipple C of a less diameter than the interior of the sockets which receive the nipples B.

**No. 6699. Improvements on Clothes Horses.***(Perfectionnements aux sècheirs à linge.)*

Charles H. Warren, Toronto, Ont., 21st October, 1876, for 5 years.

*Claim.*—1st. The graduated hinged end bars B connected by the cross rails C; 2nd. The hinged stop pieces D in combination with the cross rail F.

**No. 6700. Metallic Packing for Stuffing Boxes.***(Garniture métallique pour les boîtes d'étoupes.)*

Robert Bloomfield, Montreal, Que., 21st October, 1876 for 5 years.

*Claim.*—1st. The combination of the gland neck *e*, rings *g* and ring *k*; 2nd. The ring having recesses *k* and flats *l*; 3rd. The rings *g* and gland neck *e* having perforations *m*, in combination with space *f* and junk ring *h*.

**No. 6701. Machine for Generating and Carburetting Gas.***(Machine à produire et à carburer le gaz.)*

Charles A. White, Hartford, Ct., U. S., 21st October, 1876, for 5 years.

*Claim.*—1st. The combination of the gasometer B, with the fixed perforated distributing cone C; 2nd. The combination with the gasometer B, of the perforated cone C and perforated diaphragm D; 3rd. The combination with the tank or reservoir A of the gasometer B provided with trap screw *d*, cone C and diaphragm D, the compound carburetter E and pipe F.

**No. 6702. Machine for Shaving and Nicking Wood Screws.***(Machine à planer et fendre les vis à bois.)*

Charles D. Rogers, Providence, R. I. U. S., 21st October, 1876, for 5 years.

*Claim.*—1st. The plate Y operated in combination with the teeth *n* by mechanism; 2nd. In combination with the chuck shaft of a shaving and nicking machine, the gearing consisting of wheel T, cog D<sup>2</sup> and plate C<sub>1</sub>, arranged and operated from the main shaft.

**No. 6703. Improvements of Steam Actuated Car Brakes.***(Perfectionnements des freins à vapeur de wagons.)*

John F. Degnon, St. Louis, Mo., and Charles D. Leet, Springfield, Mass., U. S., (Assignees of Horace H. Taylor and Albert McCarnish), 21st October, 1876, for 5 years.

*Claim.*—1st. The combination with the cylinder of a steam or air actuated car brake of supply pipes at each end of said cylinder, and automatically operating valves, whereby decrease of pressure within the main supply pipe operates to automatically supply air from one side of the piston to the opposite side of the same, thereby equalizing the pressure upon the piston, and allowing it to return to its normal position, at a slight expense of power; 2nd. The combination of the wing valve *g* with the hollow piston I and spiral spring L, and leather packing ring *h* and slide valve *d*.

**No. 6704. Improvements on Step Ladders.***(Perfectionnements aux échelles à queue.)*

Obadiah Sherwood, Jr., Sutton Flat, Que., 21st October, 1876, for 5 years.

*Claim.*—1st. The combination with a step ladder A, having the supporting frame B, of a sliding extension ladder section D provided with a pawl engagement E for its support; 2nd. The combination with a step ladder A, having the supporting frame B and extension section D, of the extension prop composed of two sections I G slidingly adjustable; 3rd. The combination with a step ladder A, having the supporting frame B, of the ladder section D having a pawl stop E<sub>1</sub> and extension prop composed of sections I G having a pawl and ratchet engagement J K.

**No. 6705. Scroll Saw.***(Scie à scier.)*

Miller Boughner, Port Dover, Ont., 21st October, 1876, for 5 years.

*Claim.*—1st. The manner of constructing the eccentric N and its method of working against the friction wheel O and lever P, so that at each revolution of N the lever P and its connections Q R E and C the saw have as many down strokes communicated to them as there are sides to the eccentric N; 2nd. The combination with the eccentric N of the springs S and coils T by which the saw is sustained and lifted after each down stroke and its working secured.

**No. 6706. Hydraulic Elevator.***(Elevateur hydraulique.)*

Timothy Stebins, Boston, Mass., U. S., 21st October, 1876, for 5 years.

*Claim.*—1st. The hollow cylinders A and E, in combination with the hollow piston D and cross head C; 2nd. The hollow cylinders A and E and hollow piston D, in combination with the piston F and cross head C; 3rd. The hollow cylinders A and E and hollow piston D, in combination with the piston F, hollow rod S, piston G, rod I and cross head C.

**No. 6707. Improvements on Lamps.***(Perfectionnements aux lampes.)*

Charles T. Spencer, Rochester, N. Y., U. S., 25th October, 1876, for 5 years.

*Claim.*—1st. The combination with the rod A and horizontal oil reservoir, provided at each end with a burner, of the adjustable collar and its thumb nut for holding the reservoir in any desired position; 2nd. In combination with the horizontal reservoir the annular filling cup and cap, the latter adapted to slide upon the supporting rod for the purpose of removal in order to allow the lamp to be filled; 3rd. In combination with the horizontal reservoir the partitions located between the burners and perforated at the bottom dividing the reservoir into three compartments, the central of which