

No. 6622. Improvements on Lathes.*(Perfectionnements aux tours.)*

Joseph Beaudry, Montreal, Que., 2nd October, 1876, for 5 years.

Claim.—1st. The expansible support or rest consisting of the disk *d* having the sliding arms *e* mounted thereon, and the disk *e* provided with studs which enter slots in the arms; 2nd. In combination with the rotary frame, provided with the rotary centres or arbors *c* having ratchet wheels *n* attached, one or more dogs *u* attached to the main frame, and operating to turn the blanks and present their different faces to the cutters automatically; 3rd. The knives or cutters provided with lips *p*; 4th. In combination with the main frame *A* and the rotating frame *e*, the frame *H* provided with the adjustable bar *r* and adjustable pointer *u*.

No. 6623. Portable Fence. *(Clôture portative.)*

Charles D. Swanson and John Mennie, Dawnie, Ont., 2nd October, 1876, for 5 years.

Claim.—1st. The block *a* with the gain *g* to receive one half of the bottom corner of hurdle *d*; 2nd. The wire brace *b* passing from the one end of the block *a* to the other end thereof, up and over the wedges *c*; 3rd. The wedges *c* forming the force to draw the wire braces *b* taut and forming the block.

No. 6624. One-Stave Bucket Machine.*(Machine à seau d'une douille.)*

Israel Hogeland, Indianapolis, Ind., U. S., 2nd October, 1876, for 5 years.

Claim.—1st. The combination of the saws *L*, *L*, *L*, mandril *P*, feed-roller *F*, guides *E*, *K*, *K*; 2nd. The feed rollers *F* formed cone-shaped and provided with a rubber tube, and arranged to operate in boxes *H*, *H*, the rear box being elevated so as to allow the lower edge of the cone feed wheel *F* to lay parallel with the table; 3rd. The combination of the pressure bar *D* and roller *O* arranged and adapted to be operated in connection with the stave *A* and small roller *S*.

No. 6625. Automatic Damper.*(Registre automatique de cheminée.)*

Samuel F. Gold, Englewood, N. J., U. S., 2nd October, 1876, for 5 years.

Claim.—1st. The combination of the tank *C*, receiver *E* and pipe and lever *D*, arranged relatively to each other; 2nd. The combination of the tank *C*, pipe and lever *D*, receiver *E*, and damper *B*; 3rd. The combination of the tank *C*, pipe and lever *D*, receiver *E*, damper *B* and smoke pipe *A*; 4th. The receiver *E* constructed in parts *C* having openings between them.

No. 6626. Pail and Tub Ear.*(Oreille de seau et de cuvette.)*

William Warren, Hull, Que., 2nd October, 1876, for 5 years.

Claim.—1st. The improved pail or tub ear made of wire and turned into the form of an edge as at *B*; 2nd. The wire ear of a tub or pail bent to the form of an eye in combination with upwardly oblique turned ends as at *E* and *C*, to enter the sides of the pail; also the ear and the manner of affixing it to the pail or tub.

No. 6627. Improvements in Pails and Tubs.*(Perfectionnements aux seaux et cuvettes.)*

James S. McMurray, Toronto, Ont., 2nd October, 1876, for 5 years.

Claim.—1st. The bail ear *D* provided with the downwardly projecting continuation *D* in combination with the hoop *B* and cleated staple *E*; 2nd. The bail ear *D* extended upwardly and outwardly from the pail; 3rd. The rectangular washer *F* provided with the corner spikes *f* and raised central portion; 4th. The handle *e* provided with the corrugations *e* *e* *e*.

No. 6628. Wood Pavement. *(Pavage en bois.)*

John Mather, Ottawa, Ont., 2nd October, 1876, for 5 years.

Claim.—A wood pavement composed of a flooring *A*, strips *B* nailed thereto and to block *C*, the blocks and strips alternating and constructed to be laid in sections, whereby each section can be removed independently from the roadway when desired.

No. 6629. Improvement on Gates.*(Perfectionnement des barrières.)*

Jacob Kesseler, London, Ont., 2nd October, 1876, for 5 years.

Claim.—The blocks *C*, *C*, bar *D*, slot *a*, bolt *d*, pins *f* *g* *h* and sockets *e*, *e*, in combination with gate post *A* and gate *B*.

No. 6630. Machine for Opening and Closing Blinds and Shutters.*(Machine à ouvrir et fermer les persiennes et contrevents.)*

William Jones, Oshawa, Ont., 2nd October, 1876, for 5 years.

Claim.—The combination of cog-wheels *A*, *A*, shaft *E*, handle *II*, with socket plate *F*, *F*, catch plate and pin *G*, *G* and spring *H*, *H*.

No. 6631. Process of Purifying and Deodorizing Petroleum.*(Procédé pour épurer et désinfecter le pétrole.)*

David M. Lamb, London, Ont., 2nd October, 1876, for 5 years.

Claim.—The process of treating petroleum and other oils with chlorine gas, by generating said gas within the vessel containing the oil to be deodorized and purified, by adding to the oil the salts of sodium (common salt preferable) and sulphurous acid, in about the proportions stated, with or without the addition of black oxide of manganese.

No. 6632. Art of giving Color to Photographs.*(Art de donner la couleur aux cartes photographiques.)*

Clara C. S. Franks, Toronto, Ont., 7th October, 1876, for 5 years.

Claim.—The process of painting or otherwise coloring the surface of transparent plate of glass *B*, mica or equivalent, in combination with a photographed picture stuck to a plate of glass *A*, mica or equivalent, which picture has been first rendered semi-transparent by oil or by any of the ordinary means in present use; and the attaching of the two plates *A* and *B* together, so as to give the best known effect to a photograph picture *A*.

No. 6633. Manufacture of Soap.*(Fabrication du savon.)*

Andrew J. Stewart, St. John, N. B., 7th October, 1876, (extension of Patent, No. 1175), for 5 years.

Claim.—The combination of dissolved borax, spirits of ammonia, naphtha and spirits of turpentine with ordinary soap.

No. 6634. Car Brake. *(Frein de wagon.)*

Enoch Farnsworth, Paunxutawuey, Pa., U. S., 9th October, 1876, for 5 years.

Claim.—1st. The combination with a car truck *l* of the motional frame *4* shaft *5*, friction wheels *3* having spools *7* and intermediate band wheel *6* and band *20* having connection with the car axle *8*; 2nd. The combination with the frame *4* and its adjuncts, of the connecting rods *9*, lever *10* and lever *11* operated to give combined motional effect to the frame, whereby the brakes are operated; 3rd. The arrangement and combination with the frame *4* and its adjuncts, of the chain *14*, lever *15* and rod *17* and *18* to operate the brakes; 4th, in combination with the frame *4* and its adjuncts of one car, the frame *4* and its adjuncts of another car, the chain *19* and rod *21*, whereby connection is formed throughout a train for braking the wheels simultaneously.

No. 6635. Weft Stop Mechanism.*(Mécanisme des touches de trame.)*

Frederick O. Tucker, Hartford, Ct., U. S., 11th October, 1876, for 5 years.

Claim.—1st. In combination with the lay, the lever *b* and operating mechanism comb *c*, locking piece *h* and dagger *g*; 2nd. The combination of the dog *d*, lever *b* and comb *c* with the cam *f*.

No. 6636. Whip Socket. *(Porte-jouet.)*

John J. Shairer, Saline, Michigan, U. S., 11th October, 1876, for 5 years.

Claim.—The bent lever *B* provided with ears *b* *b* and pivots *c* *c* made solid therewith, which turn in perforations *a* *a* of tube *A*.

No. 6637. Improvements in Harness.*(Perfectionnements dans les harnais.)*

John W. Boulden, Durham, Ont., 11th October, 1876, for 5 years.

Claim.—1st. The side pads *A* attached to the sliding plates *B*, in combination with the trees *F* and turret rings *D*; 2nd. Making a joint *G* in the centre of the bridge of a back band.

No. 6638. Milk Cooler. *(Rafraîchissoir à lait.)*

Michel Beaugard, Ely, Que., 11th October, 1876, for 5 years.

Claim.—The vat *A* and rests *B*, *B*, and the combination of the same with the ordinary milk pans *D*, *D*.

No. 6639. Process of Manufacturing Meal from Pumpkins.*(Procédé de fabrication de la farine de citrouille.)*

Theodore F. Guy, Port Dover, Ont., 11th October, 1876, for 5 years.

Claim.—The process of grinding into meal pumpkins previously dried for that purpose, so as to produce an article which can be supplied to the public in a compact and portable form at all seasons.

No. 6640. Improvements on Spittoons.*(Perfectionnements aux crachoirs.)*

Pierre C. Ste. Marie, Montreal, Que., 11th October, 1876, for 5 years.

Claim.—1st. The peculiar funnel-shaped lid *C* having the ring *F*, in combination with the cup *B* of the spittoon *A*; 2nd. In combination with a spittoon *A*, a set of three casters pivoted triangularly to the bottom of the spittoon *A* to make a self-travelling spittoon *A*.

No. 6641. Improvements on Grinding Mills.*(Perfectionnements aux moulins à blé.)*

Lewis B. McDonald, Wytheville, Va., U. S., 11th October, 1876, for 15 years.

Claim.—1st. The vertical runner having the ribbed cone, provided with a spiral eccentric horn, in combination with the fixed stone having a hollow eye, and the ribbed annulus secured therein; 2nd. The conical ribbed crusher *H* having a threaded boss, and screwed upon the end of the runner-shaft whereby it is adapted to be adjusted in the cavity of the runner; 3rd. The runner *A* provided with the ribbed cone *H*, in combination with a fixed stone having a ribbed annulus to work in contact with the cone; 4th. The stone *B* having notched plate or ears, the lateral guides *g*, the shaft *B*, arm *c* and screw rod *d* passing through said arm, and fixed in the frame of the machine.