

Claim.—The runner *b*, with its hooks *c*, keys *d*, sheathing of wood *e*, guides *f*, and hooked ends *g*, also the shape of runner with its point *h*, support *i*, and iron sheathing *j*, as well as the hoop *k*, to give it more solidity,

No. 5979. Clothes Wringer. (*Essoreuse à linge.*)

James Hayward and John B. Abbott, Gananoque, Ont., 24th April, 1876, for 5 years.

Claim.—The combination of the rigid bar *F*, having a convex lower side and rigid bar *D*, having a concave upper side, and interposed straight flat spring steel bar *E*, for imparting a yielding pressure to the wringing rollers by the adjustment of a set screw *G*, or its equivalent.

No. 5980. Improvements on a Ship Pump.

(*Perfectionnements à une pompe de navire.*)

John Brokenshire, Kingston, Ont., 24th April, 1876, for 5 years.

Claim.—1st. The chamber and elbow combined; 2nd. The cover plate or lid in said chamber; 3rd. The mud port and plate in combination with the pump valves and all its working parts.

No. 5981. Dried Fruit Loosener.

(*Appareil à désagréger les fruits secs.*)

James V. Hiddelson, Chicago, Ill., U. S., (Assignee of Henry J. White), 24th April, 1876, for 5 years.

Claim.—A fruit loosener composed of the stock *A*, with a cross piece or handle at one end and the central guide point *C*, and spiral springs *D*, at the other.

No. 5982. Improvements on Clothes Measures.

(*Perfectionnements aux mesures d'habits.*)

Philip Kribs, Guelph, Ont., 24th April, 1876, for 5 years.

Claim.—1st. A measure or rule *A*, having raised ribs *B*, at the ends and intermediately; 2nd. A measure or rule bent at one edge to form a flange longitudinally; 3rd. A measure or rule *A*, having teeth at its ends; 4th. A measure or rule *A*, having teeth; 5th. The provision to the measure of the stamping plate.

No. 5983. Improvements on Mocassins.)

(*Perfectionnements aux mocassins.*)

Magloire Langevin, Ottawa, Ont., 24th April, 1876, for 5 years.

Claim.—1st. The combination with a mocasson *A*, with or without heel *a*, also with or without an instep strap and buckle *B*, the top *C*, crimped and seamed in front; the flies *D*, and gussets *e*, on its sides; and the straps and buckles *E*, buckling in rear, to form a shanty shoe pack *A*, for use during working time in shanties; 2nd. The combination with a mocasson *A*, the top *C*, crimped and seamed in front, or the top shank in one piece, the flies *D*, and gussets *e*, at its sides, and the straps and buckles *E*, buckling in front to form a shanty shoe pack when not at work; 3rd. The combination with a mocasson *A*, having its front outer with a fly *D*, or seamless, the fly *D*, and gussets *e*, seamed to the top *C*, in front or in rear, to close up its opening, and the straps and buckles *E*, buckling either in front or in rear, to produce an improved mocasson for use in or near country places.

No. 5984. Improvements on Carriage Tops.

(*Perfectionnements aux soufflets de voitures.*)

Elihu P. Stedman, Ravenna, Ohio, U. S., 24th April, 1876, for 5 years.

Claim.—1st. The rigid frame *S*, extending around horizontally on all sides of the top, in combination with the bows *c*, *e*; 2nd. The combination of the cover *b*, and the horizontal frame *S*, with its buttons on which to fasten curtains and quarters; 3rd. The combination of the prop *i*, bows *c*, *e*, bow *a*, seat *g*, cover *b*, and frame *S*.

No. 5985. Composition of Matter for Curing Flat and Contracted Footed Horses.

(*Composé pour guérir les pieds plats et contractés des chevaux.*)

Jacob Zielinski, Kleinburgh, Ont., 24th April, 1876, for 5 years.

Claim.—Mixture composed of the following ingredient, viz., oil of amber gum, campher spirits of turpentine for *A*, mixture, and spirits of tar fish oil and oil of thyme for *B*, mixture.

No. 5986. Machine for Fastening Lock Gates.

(*Machine à assujétir les portes d'écluses.*)

Ebenezer V. Bodwell, St. Catharines, and John E. Scott, Dumville, Ont., 24th April, 1876, for 5 years.

Claim.—1st. The combination of the chain *D*, *E*, driving block *F*, casting *f*, lock *G*, lock bolts *H*; 2nd. The combination with the bars *A*, *B*, *C*, and *D*, and the toe posts of the lock gate.

No. 5987. Improvements on Tuyeres.

(*Perfectionnements aux tuyères.*)

Johnston Spooner, Westbrook, Ont., 24th April, 1876, for 5 years.

Claim.—The air chamber *A*, receiving the blast through the side pipe *B*, and provided with a door *D*, for the removal of ashes, &c., in combination with a tuyere *C*, having vertical coinciding passages or holes *a*, *a*, *a*.

No. 5988. Improvements on Paper Barrels.

(*Perfectionnements aux barils en papier.*)

Nice Keely, Leverington, Pa., U. S., 24th April, 1876, for 15 years.

Claim.—1st. A paper body cask or similar vessels provided with moulded screw threads; 2nd. A cask barrel or other vessel constructed of a paper body or shell provided with bands *a*, and the ribs or threads, corresponding grooved or threaded head *B* and wire *d*; 3rd. A paper body cask or similar vessel provided with band or bands *a*, covered with metallic hoops *b*.

No. 5989. Middlings Purifier.

(*Epurateur des gruaux.*)

Henry M. Charlesworth, Egmondville, Ont., 24th April, 1876, for 5 years.

Claim.—1st. The combination of the reel *A*, the chute *B*, divided into two distinct departments, one *D*, for fine middlings and another *E*, for coarse middlings, the inclined slants *C*, and valves *T*, with the suction fan *F*, suction spout *G*, and blast room *H*, 2nd. The combination of the feed hopper *J*, the upper sieves *J*, and the lower sieves *K*, which can be raised or lowered according to quantity and grade of middlings, 3rd. The combination of the carrying boards *L*, and *R*, the side spouts *M*, and *N*, the draw slides *O* the hopper *Q*, the discharging spouts *S*, and the valves *U*, *U*, and *V*.

No. 5990. Improvements in Harvesters.

(*Perfectionnements aux moissonneuses.*)

Christopher C. Bradley, Syracuse, N. Y., 24th April, 1876, for 5 years.

Claim.—1st. A hollow spherical cutter bar head to contain lubricating material, 2nd. In combination with the cutter bar head *A*, the adjustable socket clasps *E*, and *F*, forming an adjustable and self-oiling pitman connection; 3rd. The combination of the socket clasps *E*, and *F*, bolt and lock nut *G*, and rubber *K*, the whole forming an adjustable and elastic socket joint, 4th. In combination with a pivotal connection for the driving crank, the adjustable self-oiling ball and socket connection.

No. 5991. Improvements on Chain Pumps.

(*Perfectionnements aux chapelets.*)

Oren Baldwin (Assignee of John G. Henderson), Keokuk, Iowa, U. S., 24th April, 1876, for 5 years.

Claim.—1st. The elastic sucker *L*, with the opening *J*, in combination with the lower disk *A*, arranged so that the opening will be closed when the pump is in operation, and open when it is stationary; 2nd. The general combination of the pump tube, the chain and the rubber sucker *L*, having the leak tube *J*, and lower disk *A*, arranged to close the leak tube when the pump is in operation.

No. 5992. Water Wheel. (*Roue hydraulique.*)

John H. Staples, Boston, Mass., U. S., 24th April, 1876, for 5 years.

Claim.—The combination of the gate *D*, the gate ways or flumes *L*, *L*, *L*, provided with water packed joints between the divisions of the flume, and the wheel; with the wheel *B*, divided into horizontal sections *B*, *B*, *B*.

No. 5993. Type Distributing.

(*Machine à distribuer les caractères.*)

Samuel W. Green (Assignee of William A. Lorenz), New York, U. S., 24th April, 1876, for 5 years.

Claim.—1st. In combination with a galley, a follower for pushing in the column of type to be distributed, mounted upon a rod, on which it slides in the direction of the motion of the type column, and around which it can be vibrated so as to permit the addition of more type to the column without stopping the machine; 2nd. The combination of the revolving cam for operating the slide which feeds in the type from the line to the carrier with the bell crank, and the diverging jaws on the slide; 3rd. The cap *G*, in combination with the feeding in slide and moving therewith for the purpose of preventing the type from rising in the carrier; 4th. The combination of an adjustable spring with the feeding in slide for the purpose of giving its first impulse; 5th. An adjustable friction pulley, over which the cord operating the line follower passes in combination with the line follower, for the purpose of regulating the force with which the weight drives the line follower; 6th. An adjustable nose piece *E*, in combination with the feeding in slide *D*; 7th. A corner piece opposite the carrier which is receiving a type, having a recess cut therein, for the purpose of holding the type from being withdrawn in combination with the type-driver and carrier; 8th. The nose piece *E*, and the corner piece *I*, constructed with rounded corners; 9th. The roller on the cut-off lever *G*, in combination with the line opening finger; 10th. The combination of the carrier, hinged clutch and spring; 11th. In combination with the type carrier, the ejector with three prongs of which two are of full width; 12th. The combination of the vibrating spring-clutch of the carriers, with the opening projecting stud *O*, on the follower *M*, which moves the line of carriers, so arranged as to open the clutch for the reception of the type, and to hold it open until the type has been admitted; 13th. In combination with the feeder-slides, the adjustable and reversible section of the cam *K*, for the purpose of varying the movement of the following apparatus, as different kinds of type are used; 14th. The case *V*, for receiving the type from the distributor, the combination of a spring slug with a free slug.

No. 5994. Diamond Millstone Dressing Machine. (*Machine à diamant pour piquer les meules.*)

Thomas Mathewson, Tallendale-mills, Ont., 24th April, 1876, for 5 years.

Claim.—1st. A diamond millstone dressing machine provided with circular base or surface plates *A*, *A*, for the purpose of extending the bearing surface of the machine over a large portion of the area of the stone being operated upon; 2nd. The T-shaped traversing carriage *B*, provided with a projecting rib *b*, fitting into the groove within bed *A*, 2, and secured thereto by the pins *C*, *C*, in combination with the rack *I*, worm pinion *H*, catch *K*, pawl *h*, arm *J*, and rod *k*, provided with springs *k*, *k*, catch finger *L*, and operated by the action of the head *D*; 3rd. The quadrant plate *N* shaped for fitting the spindle of the stone in combination with the radial arm *Q*, holding the bed *A*; 4th. The quadrant *O*, attached to the clamp *P*, in combination with the radial arm *Q*, holding the bed *A*.

No. 5995. Construction of Railway and other Wheels. (*Fabrication des roues de railroutes et autres.*)

Alfred Krupp, Essen, Prussia, 24th April, 1876, for 5 years.

Claim.—1st. Constructing railway and other wheels from a bar of iron or steel or other weldable material, coiled round a mandrel and welded together; 2nd. Giving to the bar of metal a tongue and groove or other analogous shape in order to prevent lateral slip and to better unite the coil together.