

No. 9005. Inking Roller Composition for Printers. (*Composé pour les rouleaux d'encre d'imprimerie.*)

Andrew Van Bibber, Cincinnati, Ohio, U. S., 11th July, 1878, for 5 years.

Claim.—A compounded glue, as a merchantable commodity convertible into printers' inking roller composition, by the admixture of saccharine matter.

No. 9006. Improvements on Bottle Stoppers. (*Perfectionnements aux bouchons des bouteilles.*)

John M. Lewin, Lockport, N.Y., U. S., 11th July, 1878, for 5 years.

Claim.—1st. A fastening composed essentially of the circular ring F, having on its periphery the aperture f and handle H, and the bail D secured to the bottle, &c., within the recesses b, 2nd. The combination with the cover B, having the concave rise E, ribs E' and projection G of the cam ring F, provided with the aperture f and handle H, and the bail D secured to the bottle in the manner stated.

No. 9007. Combined Cane and Camp Stool. (*Bâton et siège de camp combinés.*)

Water L. French, Brockton, Mass., (Assignee of David B. Reynolds, New York.) U. S. 11th July, 1878, for 5 years.

Claim.—1st. A cane provided with a head, and having its body made in three sections of about equal lengths coupled together end to end, and adapted to be readily disconnected and coupled to the cane head to form a tripod; 2nd. In combination with the body of a cane made in three sections of equal length, coupled together end to end and adapted to be readily disconnected, a cane-head provided with means for coupling said section thereto to form a tripod, and also provided with three or more sockets to receive radial arms to support a flexible seat; 3rd. The combination of the sections A, A' and A'' adapted to be coupled together end to end to form a cane and to the cane-head D to form a tripod, three or more arms CC adapted to be set in sockets in the head D, in inclined radial position, and provided with shoulders s, i, near their outer ends, and a flexible seat B provided with the metal sockets G G adapted to engage with said shoulders s, i; 4th. A cane body made in three sections of equal lengths coupled together end to end, and adapted to be readily disconnected and coupled to the cane head to form a tripod, in combination with the chamber b, formed in one of said sections and adapted to receive the flexible seat and its supporting arms, one or both; 5th. As a means of coupling two or more sections of a cane body together or to the cane head, the cylindrical socket or bushing d provided with the lips e, e, in combination with the shank f, provided with the shoulders g, g, adapted to engage with the inner sides of the lips e, e.

No. 9008. Improvements on Sleigh Shoes. (*Perfectionnements aux patins des traîneaux.*)

Benjamin F. Sweet, Fond-du-Lac, Wis., U. S., 11th July, 1878, for 5 years.

Claim.—A sleigh shoe, the underside of which for a portion of its length from the rear forward, is provided with a groove diminishing in depth as it approaches the longitudinal center of the shoe.

No. 9009. Draught Attachment for Ploughs. (*Avant-Train de charrues.*)

Milo Harris, Jamestown, N.Y., U. S., 11th July, 1878, for 15 years.

Claim.—1st. The truck E the perforated and laterally adjustable standard A and vertically adjustable pole B; 2nd. The combination of truck E, standard A, pole B, brace D and plough beam C.

No. 9010. Improvements on Fences. (*Perfectionnements aux clôtures.*)

James Garrett, Pembroke, N.Y., U. S., 11th July, 1878, for 5 years.

Claim.—1st. The combination of one or more uprights A, A, braced by the wires E and kept F with (or without) the blocks a, a, the seat or shoe B, wire links C and panels D; 2nd. The method of bracing and holding a fence by the wires E, being attached at or near the lower ends of posts F F which are driven into the ground transversely to the uprights A, the other ends of the wires being connected to the fence posts in any suitable manner.

No. 9011. Process for the Manufacture of Hydraulic Cement. (*Procédé de fabrication du ciment hydraulique.*)

Cleveland F. Dunderdale, Kingston, N. Y., U. S., 11th July, 1878, for 5 years.

Claim.—1st. The combination of a refractory clay rich in alumina, and a fusible clay rich in silicic acid, with lime or its carbonate; 2nd. The artificial admixture of a marl (calcareous clay) with a silicate of alumina and a marl rich in silicate, with one rich in alumina with lime or the carbonate thereof; 3rd. The artificial admixture of infusorial silica and a silicate of alumina, with lime or the carbonate thereof.

No. 9012. Improvements on Railway Switches. (*Perfectionnements aux aiguilles de railroads.*)

James Briody, Detroit, Mich., U. S., 11th July, 1878, for 5 years.

Claim.—In combination with the main line and switch of a railway, the guard rails D and bearing rails E.

No. 9013. Improvements on Horse Collars. (*Perfectionnements aux colliers de cheval.*)

John N. Schmitz, Kilbuck, Wis., U. S., 11th July, 1878, for 10 years.

Claim.—1st. The combination of a leather bow E, plates F F and hames A A, said plates and hames being attached as set forth; 2nd. In hame A, provided cross-perforations arranged in series, a vertical slot in its inner face and protecting plates G G; 3rd. The combination of the leather strips F, bars K K, casings L L, and thongs K K; 4th. In the construction of horse collars, the wooden blank R, having notch m cut from its inner side near the lower end and adapted to be closed, when said blank is steamed and bent in the manner shown.

No. 9014. Improvements in Waggon Springs. (*Perfectionnements dans les ressorts des wagons.*)

Alexander W. McKown, Kimbrow, Pa., U. S., 11th July, 1878, for 5 years.

Claim.—1st. The combination of shackle or bracket x, projecting inward from the axle or bolster, a yielding packing under its forward end, and a link hung between the axle or bolster and such packing; 2nd. In combination with an auxiliary waggon spring and with a device for connecting and disconnecting the same, a bearing y, constructed with a notch and stop; 3rd. The bearing y, adapted for application to an auxiliary spring, and constructed with a yoke revolving guide x, notch G, and a portion at the rear of the notch, to serve as a stop or detent; 4th. In combination with the auxiliary springs and the described bearing thereon, connecting device arranged to be swung down, and provided with a fork or yoke at their lower ends adapted to straddle such bearings and to engage therewith; 5th. The combination with the yoke bar and its arm or handle H, a jointed part or its equivalent, for operating the same and passing through a slot in an upright part of the seat or body.

No. 9015. Improvement in Sandbands and Caps. (*Perfectionnement dans les moyens des roues.*)

Edward H. Miller, Hollowell, Ont., 11th July, 1878, for 5 years.

Claim.—The cap D, in combination with the sand band C, of their respective forms shown in the drawings.

No. 9016. Improvement on Hoop Machines. (*Perfectionnement aux machines à cercles.*)

Russell H. Nogar, Carleton, Mich., U. S., 11th July, 1878, for 5 years.

Claim.—1st. The vertically rotating hoop cutters provided with driving cutting spurs for the purpose of finishing three sides of a series of hoops; 2nd. In combination with a hoop machine designed to cut hoops in series from the face of a log, rotating planers for the purpose of bevelling the ends of said hoops; 3rd. In combination with the frame carrying the vertically rotating hoop cutters, the pressure bar and guide plate K; 4th. The combination of vertically rotating hoop cutters by means of which the f of the log is divided into hoops, finished upon three of their sides with a circular saw by means of which the fourth or remaining side is finished; 5th. In combination with the bed plate D, the frame E adjustably secured thereto, and the vertical outer bar t, 6th. In combination with the frame E, the frame I, pivoted thereto and provided with a vertically rotating planer head; 7th. In combination with the hinged or swinging frame I, the spring arm h and bevelled sides s, i, of the carriage, for the purpose of controlling the action of the planer knives J; 8th. A hoop cutting machine wherein the four sides of the hoops are finished with one handling, and cut from the side of a log in series; 9th. A hoop cutting machine whereby a series of finished hoops, with their ends bevelled, are cut from the face of a log.

No. 9017. Improvements on Flat Brushes. (*Perfectionnements aux pinceaux plats.*)

John L. Whiting, Boston, Mass., U. S., 11th July, 1878, for 5 years.

Claim.—1st. A flat brush in which the head is provided with an interior groove or recess d, 2nd. In a flat brush, the combination with the head a, having the internal groove or recess d, of the clinched nails or rivets f, f, f, for the purpose of securing the ferrule and bristle to the head; 3rd. The combination with a grooved or channelled brush-head a d, of the detachable clinching or riveting plate e.

No. 9018. Machine for Registering the Sale of Retail Liquors. (*Machine pour contrôler la vente en détail des liqueurs.*)

William L. Thompson, Montreal, Que., 15th July, 1878, for 5 years.

Claim.—1st. In a dial for registration, divided into one hundred parts and numbered as described, the combination of the pointers or index hands M N O; 2nd. The cog wheels A B C, connected respectively with the index hands M N and O, and moved by the pawl K and the compound levers D and E and the ratchets F, and the spring V connected therewith and attached to the ratchets F, the spring and hammer W furnished with the bell B, the set screws G G and pivoted to the stud U combined with the dial Q; 3rd. In combination with the cog-wheels A B and C, the manual L pivoted to the dial Q, and connected with the spring V, the pawl K and springs V; 4th. In combination with the dial Q, the index hands M N O, the cog wheels A B C, the pawl K and the compound levers D E, and the ratchets F, the springs V V, and the spring and hammer attached thereto W furnished with the bell B.

No. 9019. Inhaler. (*Inhalateur.*)

Clifton D. Hunter and Ernest S. Woods, Marlborough, Mass., U. S., 15th July, 1878, (Extension of Patent No. 2531,) for 5 years.

No. 9020. Improvements on Gates. (*Perfectionnements aux barrières.*)

Lorenzo Dickerson, Trenton, Mich., U. S., 15th July, 1878, for 5 years.

Claim.—In combination with post A and gate B, the spring C, pull cord D, hinge E and latch F.

No. 9021. Spring Bed Bottom. (*Fond de lit à ressorts.*)

Charles Miller, Walkerton, O., 15th July, 1878, for 5 years.

Claim.—1st. A bed bottom composed of the longitudinal slats G, bearing in transverse slots E E supported near their ends upon S-shaped springs F, bearing on slats C C; 2nd. The S-shaped springs F.