

located in the cut away portion, the bearing 18x at its angle, the foot provided with the lug 19, the locking lever 20, terminating at its lower end in the bent handle 22 and at its upper end in the head 21, having the lug 23, the spring 24, encircling the lugs, the shank 10, toothed as at 11, and provided with the head 9, toothed as at 9x, and lug 12, the collar 5, having the lug 6, the coiled spring 13, and the band or collar encircling the shank, stock, and locking mechanism, substantially as specified. 2nd. In a wrench, the combination, with the stock 1, terminating at its upper end in the stationary head 2, at its lower end in the reduced threaded shank, and provided between its head and shank with the irregular recess 14, terminating at its lower end in the bearing 15, and at its upper end in the cut away portion 16, of the L-shaped locking pawl 17, having the transversely toothed head 18, located in the cut away portion, the bearing 18x at its angle, the foot provided with the lug 19, the locking lever 20, terminating at its lower end in the bent handle 22, and at its upper end in the head 21, having the lug 23, the spring 24, encircling the lugs, the shank 10, toothed as at 11, and provided with the head 9, and lug 12, the collar 5, having the lug 6, the coiled spring 13, interposed between the lower end of the shank and lug, the encircling band encircling the stock and shank, and the locking mechanism, the handle 7, mounted on the shank of the stock below the collar, and the binding nut 8, threaded on the lower end of said shank, substantially as specified. 3rd. In a wrench, the combination, with the stock 1 terminating at its upper end in the head 2, of the L-shaped locking pawl 17, having the transversely toothed head 18, the bearing 18x at its angle, the locking lever 20, terminating at its lower end in the bent handle 22 and at its upper end in the head 21, the spring 24, the shank 10, toothed as at 11, and provided with the head 9, the collar 5, the coiled spring 13, and the band or collar encircling the shank, stock, and locking mechanism, substantially as specified.

No. 34,823. Safety Package.

(*Vaisseau de sûreté.*)

John Q. A. Whittemore and Charles Whittemore, Boston, Mass., (assignees of Sigourney Wales, Terre Haute, Ind.,) U.S., 6th August, 1890; 5 years.

Claim.—1st. A safety package for containing liquid or semi-liquid substances, comprising a hollow vessel or receptacle made of glass or other easily fractured material, having formed upon its exterior at or near its lower end projecting lugs or threads, and an outer casing of sufficient length to enclose said inner receptacle, and made of less fragile material, as wood or metal, and having its lower end open, and provided with a female inclined groove or thread to engage said thread or lug on the inner receptacle, and its upper end closed and arranged to bear upon and press the receptacle closing stopple or cap to its seat. 2nd. In combination, with a receptacle provided with a male thread or lug at or near its base end, and a recess or recesses in its bottom, an enclosing and protecting casing closed at one end and open at the other, and provided near said open end with a female screw thread or inclined groove to engage said male thread or lug on the receptacle, and constructed and arranged to extend below the bottom of the receptacle, and press at its closed end upon the receptacle closing stopple or packing, substantially as described.

No. 34,824. Riveting Machine.

(*Machine à river.*)

Reinhold A. Carl and Robert C. Allen, Hearne, Texas, U.S., 6th August, 1890; 5 years.

Claim.—1st. A riveting machine, consisting essentially of an upright frame having a vertically movable driving rod therein, a vertically separable rivet burr set loosely mounted upon the lower end of the driving rod, and an upright mounted in the frame beneath the driving rod and set, said upright having a spring actuated sleeve extending above the upper end thereof, substantially as described. 2nd. A riveting machine, consisting essentially of an upright frame having a vertically movable driving rod therein, a vertically separable rivet burr set loosely mounted upon the lower end of the driving rod, a vertically separable rivet burr holder supported beneath the burr set and in alignment with the burr set and driving rod, and an upright mounted in the frame beneath the driving rod, burr set and burr holder, said upright having a spring actuated sleeve extending above the upper end thereof to form a pocket for the rivet, substantially as described. 3rd. A riveting machine, consisting essentially of a frame, a vertically movable driving rod mounted in the frame, a spring actuated vertically separable burr set mounted upon the lower end of the rod, a clamp fixed to the front portion of the frame and adapted to enclose said burr set, a separable burr holder beneath the driving rod and burr set, supported by spring arms attached to an arm vertically movable upon the driving rod, and an upright mounted in the frame to vertically align with the driving rod, burr set and burr holder, said upright having a spring actuated sleeve mounted thereon and projecting above the same to form a pocket for the rivet, substantially as described. 4th. The combination, with the driving rod F, having means as shown, for actuating the same, of the vertically separable burr set b, having the perforations b^2 , and the annular rib b^3 , therein, said burr set being supported by the spring members a^2 , and arm a, from the driving rod, substantially as described. 5th. The combination, with the driving rod F, having the separable burr set b, mounted thereon, as shown, of the separable burr holder f, having the spring members f^1 , attached thereto, said members being supported by the arm g, which is vertically movable upon the driving rod, substantially as described. 6th. The combination, with the driving rod F, and burr set b, mounted thereon as shown, of the driving rod F, and burr set b, and having means as rod d, and spring d^1 , for guiding and supporting the same, substantially as set forth.

No. 34,825. Tobacco Moistener.

(*Humecteur de tabac.*)

Phillip Hamm and Joseph N. Kirschner, Fostoria, Ohio, U.S., 6th August, 1890; 5 years.

Claim.—1st. The herein described apparatus for moistening tobacco, consisting of a cover provided with two concentric flanges upon its under side, the inner flange being of greater width than the outer flange, and a receptacle adapted to contain a moistening substance located upon the upper side of the cover, and in communication with the contents of the package upon which the cover is placed, as and for the purpose set forth. 2nd. A tobacco moistening apparatus, consisting of a cover comprising a stationary portion, and a movable portion, and provided with two concentric flanges upon its under side, the inner flange being of greater width than the outer flange, and a receptacle adapted to contain a moistening substance located upon the upper side of the stationary portion of the cover, and in communication with the contents of the package upon which the cover is placed, as and for the purpose set forth. 3rd. A tobacco moistening apparatus, consisting of a cover comprising a stationary portion, and a hinged portion, and provided with two concentric flanges upon its under side, the inner flange being of greater width than the outer flange, and a receptacle adapted to contain a moistening substance located upon the upper side of the stationary portion of the cover, and in communication with the contents of the package upon which the cover is placed, as and for the purpose set forth.

No. 34,826. Bobbin. (*Bobine.*)

Joshua H. Wilson and Herbert W. Wilson, Cornholme, Eng. (assignees of Samuel D. Keene, Providence, R.I., U.S.), 6th August, 1890; 5 years.

Claim.—1st. The bobbin or tube hereinbefore described, provided with driver-slots, and having the exterior lower portion covered with a sheet metal ring provided with a series of cuts, the adjacent sides of which are bent rearwardly laterally into the driver-slots, substantially as specified. 2nd. The combination, with a driver-slotted bobbin, of a sheet-metal ring secured thereto, having cuts therein at intervals, the sides of which are bent rearwardly laterally into the driver slots to form spring sides, substantially as shown and described and for the purpose hereinbefore set forth. 3rd. The driver-slotted bobbin a, hereinbefore described, having the lower portion covered with an exterior sheet-metal ring b, whose bottom edge is turned or bent into the under face of the bobbin, as at e, and having the driver-slots c, faced with yielding surfaces f, forming a part of said ring, substantially as shown and set forth. 4th. The combination, with a mounted spindle and driver s, of the driver-slotted bobbin a, hereinbefore described, having secured thereto at its lower end the sheet-metal ring b, provided with wings f, which are bent rearwardly laterally into the driver-slots to form metallic spring sides adapted to engage the dog d of said driver, substantially as specified. 5th. A bobbin of the class hereinbefore described, provided with driver-slots c, having the interior surface of the lower portion of the bobbin provided with a thin metal ring cut adjacent to the driver slots, and having the cut portions of the ring bent laterally into the said driver-slots, for the purpose specified. 6th. A driver-slotted bobbin, of the class hereinbefore described, having the lower portion thereof provided with a cut thin metal ring secured to the interior surface of the bobbin, and a similar ring secured to the exterior surface, and having the metal of the rings adjacent to the cuts bent laterally into and lining the sides of the driver-slots.

No. 34,827. Multiform Tool.

(*Outil multiforme.*)

Richard E. Woodruff and Samuel W. McConochie, Hamilton, Ont., 6th August, 1890; 5 years.

Claim.—1st. The combination, with the stock A, having slot G, point E and the projection V¹, the blade B, having the recesses V, the slot U, the point E, the set-screw C, and the blade L, having recess M, and slots K and N, substantially as and for the purpose hereinbefore set forth. 2nd. The combination, with the stock and blade B, provided with the lines D, the gauge F, the set screw I, and the adjustable point or cutter H, substantially as and for the purpose hereinbefore set forth. 3rd. The combination, with the stock and blade, having slots G and U, the set-screw C, the recess V, the projection V¹ and the level J, substantially as and for the purpose hereinbefore set forth.

No. 34,828. Toilet Paper Roll.

(*Rouleau à papier de garde-robe.*)

Seth Wheeler, Albany, N.Y., U.S., 6th August, 1890; 5 years.

Claim.—A roll of paper, the web forming, which has straight parallel edges and oblique lines of weakness transversely dividing it into diamond-shaped sheets, substantially as described.

No. 34,829. Stump Extractor.

(*Arrache-souche.*)

John Manson, North Bloomfield, Cal., U.S., 7th August, 1890; 5 years.

Claim.—1st. In a stump extractor, the combination, with a horizontal slotted link, the sides of which are each provided with two separate series of perforations, those near the outer edges being spaced farther apart than those near the centre, for the purpose set forth, a grappling chain connected to one end of said link, of a fastening chain, a clevis connected at its outer end thereto, and having longitudinal horizontal arms embracing said link, a bifurcated lever embracing said link, to which lever the inner end of the clevis is pivoted, the operating edge of said lever at points equi-distant from said pivot, having two inner and two outer notches, and two pins removably seated in certain of the holes in the same series at each side of the link, the pins being moved as the lever is operated, substantially as described. 2nd. In a stump extractor, the combination, with a horizontal slotted link, the sides of which are each provided with two separate series of perforations, those near the outer edges