

tion, with the T-shaped collar, *c*, c^2 , either packed or unpacked and the flanged ends of the pipes or tubes of the cap like gland or divided flanges 1, 1², for fixing the parts of the joint, substantially as hereinbefore stated.

No. 37,171. Wire-made Rack for Wardrobes. (*Chevalet en fil de fer pour garde-robes.*)

William Hackly Church and Thomas Graham, both of Fenelon Falls, Ontario, Canada, 15th August, 1891: 5 years.

Claim.—1st. A wire-made rack for wardrobes, etc., consisting of a continuous length of wire bent to form a succession of hooks B, and a succession of eyes C, each hook composed of the wire doubled at the point, and the hooks connected by the wire crossed singly to constitute an eye or loop C, and doubled to make the succeeding hook the eyes or loops alternating the hooks above their points, as set forth. 2nd. A wire-made rack, consisting of a row of hooks B, and a row of eyes or loops C, the hooks having the wire doubled and the eyes or loops, a single wire crossed intermediately above the points of the hooks, as set forth.

No. 37,172. Pea Harvester. (*Machine à récolter les pois.*)

George Wettlaufer, Stratford, Ontario, Canada, 19th August, 1891: 5 years.

Claim.—1st. A series of bars, each bar independently clamped upon the cutter bar, of a mower, the said bar extending over the cutter bar and having a finger pivoted on it, substantially as and for the purpose specified. 2nd. A series of bars, each bar independently clamped upon the cutter bar, of a mower, the said bar extending over the cutter bar and formed to butt against and engage with the end of one of the guards, in combination with a finger pivoted on the end of the bar and having a tail extending below its pivot to rest upon a spiral spring.

No. 37,173. Price Tag for Blocked Goods. (*Etiquette pour marchandises.*)

Frederick Olin Clarke, Listowel, Ontario, Canada, 19th August, 1891: 5 years.

Claim.—A tag or ticket fitted into a recess formed in a blocking board, in combination with a spring attached to the said tag or ticket in such a manner that the tension of the said spring shall hold the tag or ticket in the recess, substantially as and for the purpose specified.

No. 37,174. Bin for Flour. (*Coffre à fleur.*)

Ephraim Alpaugh, Galt, Ontario, Canada, 19th August, 1891: 5 years.

Claim.—1st. In a bin for flour, meal, etc., the combination, with the receiver formed in sections as described, and having within it a hopper a base A, a adjustably fixed thereto of the sieve provided with a band secured beneath said hopper, as and for the purpose set forth. 2nd. The combination, with the bin composed of several sections, a hopper G, a base A, and a drawer F, of the pulverizer provided with spikes or pins, as specified. 3rd. The combination, with a bin composed of several sections, a hopper G, a base A, a drawer F, and a pulverizer B, of the shakerod g, as and for the purpose specified.

No. 37,175. Hay Rack. (*Râtelier à foin.*)

William John Verney, Tottenham, Ontario, Canada, 20th August, 1891: 5 years.

Claim.—1st. In a rack for the purpose hereinbefore set forth, the two or more stringers secured close together at the front and diverging to fit between the bolster-stakes of the vehicle at the rear, substantially as shown and described. 2nd. In a rack, the two or more stringers secured close together at the front and diverging to fit between the bolster stakes of the vehicle, as specified, and having a jack-stringer or stringers on each side thereof at the front end, on which are secured the short cross pieces to form a support and permit of turning in a small circle, substantially as shown and described. 3rd. In combination, the two or more rearwardly diverging stringers, the jack-stringers on each side of said stringers at the front, the short cross-pieces secured on said jack-stringers, and long stringers, the cross-pieces at intervals secured on said stringers, the vertical posts supported by said cross-pieces, and the inner and outer rails supported by said posts and connected at their ends by end rails over and under said inner and outer rails respectively, as shown and described. 4th. In combination, with a rack as hereinbefore next claimed, the front and rear standards jointed thereto as to be laid down as specified, substantially as shown and described. 5th. In combination, the rearwardly divergent stringers, the cross-pieces at intervals secured thereon, the rails supported on posts on the said cross-pieces, and the sides jointed to said cross-pieces and adapted to recline or be secured vertically, substantially as shown and described.

No. 37,176. Pea Harvester. (*Machine à récolter les pois.*)

William Burden, Little Britain, Ontario, Canada, 20th August, 1891: 5 years.

Claim.—1st. The combination of the long guards B, and the method of attachment of the same to the cut-bar F, F, by means of rod C, C, through the iron rods A, A, A, substantially as and for the purpose hereinbefore set forth. 2nd. The combination of the rods L, M, N, O, and the method of the attachment of the same to said rod C, C, which in a complete shape compose the different members of the swather, substantially as and for the purpose hereinbefore set forth.

No. 37,177. Tool for Cutting Threads, etc. (*Outil pour couper les filets, etc.*)

Albert W. Bartholomew, Boston, Massachusetts, U. S. A., 20th August, 1891: 5 years.

Claim.—1st. A stock A, having an opening *a*, in combination with the rectangular frame B, mounted in said stock A, the tool carriers D, D', arranged on opposite sides of the opening *a*, and the right and left hand screw rod C, mounted in stock A, and handle A', to move the tool carriers toward and away from the opening *a*, in the stock, substantially as and for the purposes set forth. 2nd. A stock A, having a central opening *a*, the rectangular frame B, tool carriers D, D', mounted within said frame B, and on opposite sides of the opening *a*, the right and left hand screw rod C, and handle A', for moving the carriers toward and away from the opening *a*, in combination with a chuck G, the stock and chuck being connected together so that one can be rotated on the other, the opening *a*, in the stock A, being located in relation to the jaws of the chuck, substantially as shown and for the purpose set forth. 3rd. In a device, substantially as described, the stock A, having an opening *a*, and a recess *a'*, portions of the side walls of which are parallel, in combination with rectangular frame B, having parallel sides, and mounted in the recess *a'*, and the right and left hand screw rod C, mounted in the stock A, and connected to the frame B, to which the carrier D', is secured and to the carrier D, the carriers being on opposite sides of the opening *a*, in the stock A, all substantially as and for the purpose set forth. 4th. In a device, substantially as such as described, the carriers D, D', having a recess to receive the cutting tool one side of said recess being of dovetail form, in combination with cutting tools F, having one edge of corresponding dovetail form and screws *f*, *f*, for retaining said cutters in place, substantially as shown and described.

No. 37,178. Lathe for Turning Wood. (*Tour à bois.*)

George H. Ober, Chagrin Falls, Ohio, U. S. A., 20th August, 1891: 5 years.

Claim.—1st. In combination, in a lathe for cutting various forms, the cutters, the centers for holding the material to be operated on, a supporting plate N, for said centers a frame for holding said plate, and an adjustable pivotal connection between the frame and the plate, substantially as described. 2nd. In combination, the cutters, the centers for holding the material, a supporting-plate therefore, a swinging frame M, movable toward and from the cutters, and carrying the plate N, and an adjustable pivotal connection between said plate N, and swinging frame, substantially as described. 3rd. In combination, the cutters, the spindles, and centers, the slotted plate N, the slotted frame M, and the adjustable pivotal connection comprising the clamp o, the sleeve P, and clamp-plate Q. 4th. In combination, with a lathe for turning various forms, the rocking frame M, arranged to swing in fixed bearings, and having a slot in the face plate thereof, the slotted carrier N, the spindle-stocks S, T, with driving mechanism, the clamp-pivot O, and the clamping-plate with a sleeve arranged in the slots of said frame, and carrier in the manner and for the purpose set forth. 5th. The combination, with a rocking frame having an adjustable clamp-pivot secured in the face plate thereof, and the carrier N, having an adjustable clamping-plate, of a sleeve P, arranged in vibratile connection with said clamp-pivot to guide said carrier upon said frame, in the manner as and for the purpose set forth. 6th. In a lathe for turning various forms, the combination of a rocking frame M, having a slot in the face-plate thereof, a carrier N, with a slot, a clamp with a pivot O, and a clamp with a sleeve P, engaging for adjustable vibratile connection of said rocking frame, and carrier constructed and arranged substantially as set forth. 7th. In a lathe for turning irregular forms, the carrier N, bisected or slotted and plate Q, with a sleeve within said bisection, in combination with the slotted rocking frame M, and the clamp-pivot O, constructed and arranged, substantially as and for the purpose set forth. 8th. In combination, with the spindle stocks S, T, of the carrier N, the grooved shaft X, with movable gearing Z, journaled in adjustable brackets for engagement with the gearing of the stock T, constructed and arranged, substantially as and for the purpose set forth. 9th. In a lathe for turning irregular forms, the combination of revolving cutter-heads, a rocking frame M, a carrier N, having loose connection with and longitudinal adjustment upon said frame, the spindle stocks S, T, with brackets and gearings, and the shaft X, with gearings for simultaneous rotation of the spindles of said stocks, constructed and arranged, substantially as and for the purpose set forth. 10th. In a lathe for turning various forms, the combination of the rocking frame M, carrier N, clamp-pivot O, and sleeve P, with plate Q, the clamp of said pivot and said plate having adjustable connection with said frame, and carrier and the sleeve vibratile motion upon said pivot constructed and arranged, substantially as and for the purpose set forth. 11th. In a lathe for turning irregular forms, the combination of the rocking frame, a clamp-pivot arranged in the slot of said frame, the carrier of the spindle-stocks, and a clamping plate with a sleeve in the slot of said carrier for vibratile connection with said pivot, substantially as shown and described. 12th. In combination, the cutters, the support N, the stocks S, and T, on the support N, the said stock T, carrying a spindle T', and being adjustable on said support N, and means for actuating the said spindle consisting of the pinion Z', thereon, the shaft X, and the pinion Z, adjustable longitudinally on said shaft, and adapted to mesh with the pinion Z', substantially as described. 13th. In a lathe for turning various forms in a single piece of wood, the carrier N, having an adjustable pivoted connection with the clamp pivot O, arranged in connection with the rocking frame, in combination with the rotary cutters having irregular cutting edges extending over the entire length of the article to be shaped, and driving mechanism arranged to operate conjointly therewith, substantially as and for the purpose described. 14th. In combination, in a lathe for turning various forms, the centers for holding the material to be operated upon, the pattern-disks and their bearings, a supporting plate for said centers