

No. 33,838. Bee Hive. (*Ruche*.)

Jackson B. Wilcox, Manistee, Mich., U.S., 1st March, 1890; 5 years.

Claim.—1st. In a bee hive, the combination, with a hive having a removable lid and bottom, of a series of comb frames detachably supported in the said hive, a spacing device consisting of a body bar and downwardly projecting spaced arms adapted to be introduced between the several comb frames, and a transversely extending fastener rigidly securing the body bar to the body of the hive, whereby the hive may be inverted and its bottom removed without disarranging the frames, substantially as described. 2nd. In a bee hive, the combination, with a body provided with a removable lid and bottom and a recess in the inner face of each of its opposed ends or sides, of a series of comb frames, spacing devices extending transversely over the several frames and entering the said frame recesses, comprising a body bar contacting with the upper surface of the said frames, and arms downwardly projected from the said body bar between the several frames, and a lock introduced through the hive bearing upon the said spacing devices, substantially as and for the purpose specified. 3rd. In a bee hive, the combination, with a body provided with removable lid and bottom and a recess in the inner face of each of its sides, and a series of comb frames entered in the said recesses, of a spacing device extending transversely across the several comb frames comprising a body bar contacting with the upper face of the said comb frames at or near their ends, and arms projected from the under face of the said body bar between the sides or ends of the body of the hive and the opposed comb frames, and also between the intermediate comb frames, and a set or thumb screw passing through the hive and bearing upon the said body bar, all combined for operation substantially as shown and described. 4th. In a bee hive, the combination, with the hive, of a series of comb frames supported therein, spacing devices contacting with, and bearing upon the said comb frames, comprising a body bar and arms perpendicularly projected downward between the several comb frames, and a set or thumb screw passing through the hive bearing upon the body bar, substantially as described, whereby the hive may be inverted when desired and the comb frames be rigidly held within the said hive yet rendered capable of being removed on occasion, substantially as and for the purpose specified.

No. 33,839. Household Furniture. (*Meuble*.)

Martin J. Walsh, Parsons, Penn., U.S., 1st March, 1890; 5 years.

Claim.—1st. As an improved article of manufacture, a piece of furniture consisting of a box-like body having a chair seat pivoted therein, which seat is provided with suitable front hinged legs, arms hinged to the side pieces of the body, and a desk supported by and secured to the arms when the latter are sustained in a horizontal position, substantially as and for the purpose specified. 2nd. As an improved article of manufacture, a piece of furniture comprising a body portion having a wide base, a chair seat hinged at one end between the side pieces of the body and provided with hinged legs, arms hinged to the side pieces of the body at or near the top having bifurcated outer ends, a brace bar hinged in the bifurcated extremities of the arms adapted to rest in sockets secured to the side pieces of the body, a writing desk table provided with battens upon the under surface adapted to fit in the bifurcated ends of the arms when the latter are in a horizontal position, and buttons pivoted upon the said battens, substantially as shown and described, whereby the article of furniture may be employed as a writing desk and seat, or as a seat, or as a kneeling or prayer bench, as set forth. 3rd. The combination, with a body comprising vertical side pieces, a top piece and a base of greater width than the side pieces, said base provided with a series of apertures or sockets, and blocks containing cavities attached to each of the side pieces of the body, legs hinged to the under portion of the said seat adapted to enter the sockets at the body, arms bifurcated at their outer ends hinged to the front of the base capable of entering the cavities of the side blocks, and a writing table provided with battens upon the under surface capable of entering the space between the members of the arms, and buttons pivoted to the said battens, substantially as shown and described, whereby the table is secured to the said arms over the chair, as and for the purpose specified.

No. 33,840. Nut Lock. (*Arrête-écrou*.)

Isaac S. Humbert, Staunton, Va., U.S., 1st March, 1890; 5 years.

Claim.—1st. The combination, with the bolt having an integral thread, and the nut having a transverse groove in its threaded portion, the bottom of said groove being curved, substantially as and tapered key C having a wedge shaped and longitudinally curved adapt it to cut the bolt-thread and hardened or steel body and soft tip and described. 2nd. The tapered curved nut locking key C, whose convex side is beveled and thus forms a sharp edge adapted to make an indentation in the thread of a bolt, and whose body and tip are made of hard and soft metal respectively, as and for the purpose set forth.

No. 33,841. Hay Press. (*Presse à foin*.)

Henry C. Hall, Augusta, Ga., U.S., 1st March, 1890; 5 years.

Claim.—The combination, with the press box having slotted ends, and the ratchet bars secured thereto, of the heel block, the follower bar having longitudinally sliding bolts provided with cross pieces at their outer ends, springs to force the said bolts in an inward directing pins to engage the cross pieces of the bolts, and upwardly extending sides of the projecting outer ends of the follower bar, and the operating levers having eyes to engage the said hooks, and beveled ends to engage the ratchet bars, substantially as set forth.

No. 33,842. Thill Coupling.*(Armon de limonière.)*

Zora B. Custer and Charles W. Woolever, Dansville, N.Y., U.S., 1st March, 1890; 5 years.

Claim.—1st. In a thill-coupler, the combination, with an elastic washer therein, of a hood provided with spiro-radial serrations in its roof, adapted to engage or bear upon said elastic washer and be locked in any position to which it may be turned thereon, as and for the purpose described. 2nd. In a thill-coupler, the combination, with a round elastic washer, of one or more hollowed and grooved metal caps having thereon spiro-radial serrations adapted to engage with an elastic washer when pressed thereon, for the purposes set forth. 3rd. In a thill-coupler, the combination of the body A having a cup shaped socket b, shaft-iron B having ball d and trunnions c, metal hood E and cap C, both provided with spiro-radial serrations, and the cap adapted to fit over the ball d and trunnions c, substantially as and for the purposes described.

No. 33,843. Shoe Upper. (*Oreille de soulier*.)

Robert W. Smith, Frankfort, Ky., U.S., 1st March, 1890; 5 years.

Claim.—1st. The combination, in a shoe upper, of a quarter and a bottom fly secured together by a seam of stitches extending part way down the front, the quarter having a flap extending across the lower end of the said front seam, the said flap being joined to the lower end of the fly by a transverse seam, substantially as shown and described. 2nd. The combination, in a shoe upper, of a quarter and a bottom fly secured together by a seam of stitches extending down the front so far as the shorter of the two extends, one of the said portions being provided with a flap extending across the said front seam, and joined to the other by a transverse line of stitches, substantially as described.

No. 33,844. Tailor's Heating Stove.*(Poêle de tailleur.)*

George Hay, Pictou, N.S., 1st March, 1890; 5 years.

Claim.—A tailor's heating stove, consisting of the fire chamber D, surrounded by the walls of the stove, an ash-pit E below the fire-chamber, an oven M above the fire chamber flues o, from opposite sides of the fire chamber, and connecting with flues N at opposite sides of the oven and outlet in the top of the stove and dampers to regulate the draft, substantially as set forth.

No. 33,845. Churn. (*Baratte*.)

Thomas Clarke, Wolfville, N.S., 1st March, 1890; 5 years.

Claim.—The combination of the body A, having an annular rim B, the cover C provided with a cup N, and having a bracket D, cog segment E, cog pinion J provided with a shank K, bolt H, pinching screw I, and the dash L having a socket into which said shank fits, as set forth.

No. 33,846. Veneer Cutting Machine.*(Machine à bois de placage.)*

Edwin F. Smith, Syracuse, N.Y., U.S., 1st March, 1890; 5 years.

Claim.—In a veneer cutting machine, the combination of a rectilinearly reciprocating knife, having a straight cutting edge obliquely to the line of travel, and a block holder having the plane of the block seat at an acute angle to the cutting edge of the knife, whereby the knife is caused to cut the block endwise of the grain, and at an acute angle uniformly throughout the depth of the block, substantially as set forth and shown.

No. 33,847. Boat. (*Bateau*.)

Alfred Evans, Toronto, Ont., 1st March, 1890; 5 years.

Claim.—A boat, composed of the sections A, B, and C, and an angle plate D fastened to the edge of each of the sections, which are jointed together by the bolts E and packing F, substantially as and for the purpose specified.

No. 33,848. Internal Combustion Thermo-Motor. (*Thermo-moteur à combustion interne*.)

James Hargreaves, Farnworth, Eng., 3rd March, 1890; 5 years.

Claim.—1st. In an internal combustion motor or cylinder 2, jacket 3, regenerator 4 and cover 5, disposed substantially as set forth and shown, in combination with means for supplying air and fuel to the cylinder and for discharging the products of combustion. 2nd. In an internal combustion motor, a cylinder 2, having a refractory lining 9 held in position by rings 10, as shown and described. 3rd. In an internal combustion motor, a cylinder 2, provided with a piston 13 and fitted with a scraper ring 17, as shown and described. 4th. In an internal combustion motor, the combination of the parts 20, 22, 23 and 26, as shown and for the purpose set forth. 5th. In an internal combustion motor, the combination of a jacket 3, way 42, valve chest 43, valve 44 and actuating gear, as shown and for the purpose set forth. 6th. In an internal combustion motor, a regenerator box having closely and loosely packed spaces, for the purpose set forth.

No. 33,849. Therapeutic Magnet.*(Aimant thérapeutique.)*

Thomas H. Hicks, Detroit, Mich., U.S., 3rd March, 1890; 5 years.

Claim.—1st. In a therapeutic magnet, the combination, with a magnet, of a series of metallic contacts or poles in the magnetic