said divided face plate, as set forth. 4th. In a screw-cutting device, the combination, with a face plate, of a holder pivoted thereon and adapted to support the screw-cutting die, a slotted, segmental arm formed on the said holder, a screw screwing in the said face plate and passing through the slot in the said arm, and a set screw arranged in a post in the said face plate and adapted to engage the holder opposite the segmental arm, substantially as shown and described. 5th. In a screw-cutting device, the combination, with a pivoted holder, of a die fitted to slide in the said holder and provided with a transverse slot, a pin held in the said holder and passing through the said slot, and a set-screw screwing in the said holder against the outer end of the said die, substantially as shown and described. 6th. In a screw-cutting device, the combination, with a spindle and a head held thereon, of a divided face plate fitted to slide on the said head, die-holders pivoted on the said divided face plate and supporting the screw-cutting dies, levers engaging the said divided face plate and fulcrumed on the said spindle, and a cone-shaped collar fitted to slide loosely on the said spindle and adapted to engage the said levers, substantially as shown and described. 7th. In a screw-cutting device, the combination, with a spindle and a head held thereon, of a divided face plate fitted to slide on the said head, die-holders pivoted on the said divided face plate, and supporting the screw-cutting dies, levers engaging the said divided face plate and fulcrumed on the said spindle, a cone-shaped collar fitted to slide loosely on the said spindle and adapted to engage the said levers, and springs for moving the parts of the said divided face plate from each other, substantially as shown and described.

No. 35,135. Duplex Safety Envelope.

(Envelope de sûreté duplexe.)

Albert K. Minton, Denver, Colorado, U.S.A., 3rd October, 1890; 5 years.

Claim.—1st. A duplex safety envelope, having a contents receiving pocket, a sealing and enclosing flap therefor, a second pocket for receiving and guarding such flap, and a flap for such second pocket for sealing over both pockets and such first flap, substantially as described. 2nd. A duplex safety envelope, having outer sides or faces 1, 2, a central dividing wall or partition between such faces or sides, and flaps 3, 4, substantially as described.

No. 35,136. Nut Wrench. *(Clé à écrou.)*

George E. Clow, Pittsfield, Massachusetts, U.S.A., 3rd October, 1890; 5 years.

Claim.—1st. In a nut wrench, such as hereinbefore shown and described, a friction spring attached to the end of the shank within the handle, provided with an adjusting screw in said spring, which bears against the interior surface of said handle, as set forth. 2nd. The combination, in a nut wrench, having hollow handle 8, jaw 5, collar 6, depending lug 7, threaded portion 3 and shank 2, of the friction spring 10, set screw 11, head 12, substantially as hereinbefore shown and described, and as and for the purposes set forth.

No. 35,137. Horse Collar Pad.

(Coussinet pour colliers de cheval.)

Daniel Dean Buckles, Jamestown, Ohio, U.S.A., 3rd October, 1890: 5 years.

Claim.—1st. The combination of the metallic plate, and the lining or pad applied thereto, both of them being cut away at their centres, in combination with the arch which extends across the opening in the plate, and which is provided with the loop D, substantially as shown and described.

No. 35,138. Drying Kiln. *(Touraille.)*

Warren Spear Mayo and George Robertson, both of Ottawa, Ontario, Canada, 3rd October, 1890; 5 years.

Claim.—1st. In a kiln, for drying lumber, endless toothed conveyer-chains, having an upward inclination from their receiving to their delivery ends, in combination, with rails closely under-lying said chains, and carried upward around the delivery end of the chains, whereby the boards or strips under treatment are inverted in passing from the upper to the lower side of the chains, their constant separation maintained, and their easy delivery over the rails effected. 2nd. In a kiln for drying lumber, a pair of endless toothed chains arranged side by side, in combination with rails closely underlying said chains, and carried upward closely around the delivery ends of the chains, whereby the separation of the boards or strips is maintained during their movement along the top of the chains, their inversion effected during their delivery to the underlying rails, and their movement along the rails secured, while their separation is maintained.

No. 35,139. Wheel for Carriages.

(Roue de voitures.)

Julius Alphous Seyfert, (assignee of August Butscher and Max Finzel), all of Chemnitz, Empire of Germany, 3rd October, 1890; 5 years.

Claim.—Elastic wheels for carriages, perambulators, bicycles, tricycles, and such like, consisting of a hub, a suitable number, of curved steel spring-wires and a tyre, each of said curved wires or spokes being rigidly connected with one extremity to the hub, and with the other extremity to the tyre, substantially as and for the purpose set forth.

No. 35,140. Post, Rail-Tie, Beam, etc.

(Poteau, enrayoir, poutre, etc.)

Omar Alwin Stempel and Ferdinand Meyrose, both of St. Louis, Missouri, U.S.A., 3rd October, 1890; 5 years.

Claim.—1st. The combination of the metal frame, the filling and inclosure of imperishable material 5, that protects said frame from the inroads of moisture and rust, and said frame arranged to protect said structure from breakage, the said structure provided with holes for seating staples, and the staples that hold the wires to said posts, seated in said holes, substantially as and for the purpose set forth. 2nd. The combination of longitudinal metal rods, and girding wires connecting said rods, and a filling and inclosure of indestructible material 5, arranged to protect said frame from the inroads of moisture and rust, and said frame arranged to bind and hold said material from breakage, and hooks on the ends of said rods for preventing said wires from slipping off, substantially as set forth. 3rd. The combination of longitudinal metal rods and girding wires, having tie-coils embracing said rods, a filling and inclosure of indestructible material 5, arranged to protect said frame from the inroads of rust, and said frame arranged to bind and hold said material from breakage, and hooks on both ends of said rods projecting inwardly for preventing said wires from slipping off, substantially as set forth.

No. 35,141. Step for Vehicles.

(Marche-pied de voiture.)

George D. Lewis, Newport, Rhode Island, U.S.A., 3rd October, 1890; 5 years.

Claim.—1st. The herein-described step, the same consisting of a clip, having opposite aligning openings and opposite depending threaded ends, an arm having a reduced cylindrical portion threaded and passed through the aligning openings, and a nut for the arm, a curved truss terminating at its rear end in a tie-plate, having perforations for the reception of the terminals of the clip, nuts applied to said terminals under the plate, and a step-plate mounted upon the opposite end of the arm, and secured to the ends of the arms and truss, substantially as specified. 2nd. The combination, with an axle, of a clip of inverted U-shape mounted upon, embracing, and having its opposite terminals depending below the same, aligning openings formed in the clip and the axle, an arm terminating at its rear end in a threaded cylindrical portion passing through and beyond the openings, a nut upon the arm, a curved truss having its rear end terminating in a tie-plate, having openings for the reception of the terminals of the clip, nuts upon the terminals under the plate, which takes under the axle, a circular step, and a pair of bolts passing through the step, arm, and truss at the outer ends of the latter, said step having its periphery upwardly bent to form guards at diametrically opposite sides, substantially as specified.

No. 35,142. Clasp and Tag for Envelopes.

(Agrafe et étiquette pour enveloppes.)

Alfred L. Sewell, Evanston, Illinois, U.S.A., 6th October, 1890; 5 years.

Claim.—1st. A clasp for closing envelopes, comprising an adhesive tag, carrying a wire loop, and adapted to be cemented to an ordinary envelope, and an adhesive attaching-tag carrying a thin sheet-metal clasp-plate folded longitudinally upon itself, and having one folded part adapted to enter the loop of the adhesive tag, and be compressed, substantially as described. 2nd. A clasp for closing envelopes, consisting of two adhesive tags adapted to be cemented to an ordinary envelope, and each having at one edge, a wire loop, and a thin metal clasp-plate pivoted to one of said loops, and folded longitudinally upon itself, engaging both wire loops, and having one folded part adapted to be turned up and down, substantially as described.

No. 35,143. Adjustable Sick-bed Appliance.

(Appareil pour lits de malade.)

Thomas Erlin Kaiser and Jonathan Wilkinson, both of Oshawa, Ontario, Canada, 6th October, 1890; 5 years.

Claim.—The combination, of the frame A, cross beam B, and the lifting apparatus, consisting of the roller D, the pulleys, and the arrangement of ropes working in the adjustable apparatus entirely independent of the bed, except the connections mentioned in the foregoing specifications, substantially as and for the purpose hereinbefore set forth.

No. 35,144. Barrel, or Keg. *(Baril ou caque.)*

John J. Magee, London, Ontario, Canada, 6th October, 1890; 5 years.

Claim.—1st. As a new article of manufacture, a barrel or keg formed with the stays or strengthening bars S, S, substantially as shown and described, and for the purpose specified. 2nd. A barrel or keg, consisting of the rings B, B, hoops H, H, and the ends or end covers E, E, in combination, with the stays or strengthening bars S, S, substantially as shown and described, and for the purpose specified.

No. 35,145. Washing Machine.

(Machine à blanchir.)

Fred D. Harding, Baldwin, Maine, U.S.A., 6th October, 1890; 5 years.

Claim.—1st. In a washing machine, a pumping mechanism operated by the bars on which the washing-roll is carried, a corrugated bottom centrally located, and having an opening at the front and