

pivotaly engaging by its forward end the rear end of said strip, a cam, and a rod 88, operated thereby and connected to said swinging lever, substantially as and for the purpose described. 14th. The combination, with the table having an aperture 289 and a substantially solid immovable folding bed at one side thereof, of a front flap folder and a movable support therefor, whereby said folder and its support may be located in said aperture to perform its folding operation and then removed therefrom leaving said aperture unobstructed for a forward and downward discharge through same of a folded envelope from the bed, substantially as described. 15th. The combination, with the table having thereon an immovable folding bed and provided with an opening in advance thereof, of a swinging frame 290 and means, substantially as described, for securing its oscillation, a hinged front flap folder supported on and movable with said swinging frame, means, substantially as described, for opening and closing said flap folder, and one or more discharging fingers 2, for moving a folded envelope forwardly and downwardly. 16th. The combination, with the table having an aperture 290, and an immovable folding bed at one side thereof, provided with vertical slots 311 therein, of one or more pivoted discharging fingers 2, normally disposed within said slots, and each having a hook 310 extending above and to the rear of said folding bed and having a radial arm and a cam and thrust-rod for operating said fingers, substantially as described. 17th. The combination, with the apertured table, and the immovable folding bed, of the intermediately pivoted frame 290, having one end 292 formed for an abutment-stop and its other normally supported in said aperture, and provided with a radial arm 296, the cam 301, swinging lever 298, and connecting rod 297 for oscillating said frame, the hinged front flap folder 298, supported on said frame, a swinging lever 303, connecting rod 302 between same and said flap folder, a cam 305, and rod 304, operated thereby and secured to said swinging lever 303, all substantially as shown, and for the purpose described. 18th. The combination, with a frame T, substantially as described, comprising, essentially, a rear plate 352, having an aperture 363 therein, of the reciprocating pusher W, having the supporting bar 336, a ratchet wheel having a given number of teeth, a pallet-carrying arm 367, having an extension 370, and means for securing a regular reciprocating motion of said arm, a rocker-shaft 373, provided with a hooked radial arm 375, capable of being swung into engagement with the said extension 370, and a radial arm 374, for swinging radial arm 377, and means, substantially as described, for securing a reciprocatory movement thereof, a slotted connecting rod 380 between said arms 377 and 375, a rock-shaft 360, having a feeler-finger 359 and a radial arm 361 thereon, and a connecting rod 362 between radial arms 361 and 374, substantially as and for the purpose described. 19th. The combination, with the stud 357 and the sleeve 356, having the shifter-blades movable thereon, and the spring 393, of the counter ratchet wheel provided with the abutment 384, a rocker-shaft 386, provided with radial arms 385 and 387, and an angular lever by one arm engaged with said radial arm 387 and by its other with an extension of said sleeve, substantially as and for the purpose described. 20th. The combination, with a frame T, substantially as described, comprising, essentially, a rear plate 352, having an aperture 363 therein, of the reciprocating pusher W, having the supporting-bar 336, a ratchet wheel having a given number of teeth, a pallet-carrying arm 367, having an extension 370, and means for securing a regular reciprocating motion of said arm, a rocker-shaft 373, provided with a hooked radial arm 375 capable of being swung into engagement with the said extension 370, and a radial arm 374, a swinging radial arm 377, and means, substantially as described, for securing a reciprocatory movement thereof, a slotted connecting rod 380 between said arms 377 and 375, a rock-shaft 360, having a feeler-finger 359 and a radial arm 361 thereon, and a connecting rod 362 between radial arms 361 and 374, an abutment on said ratchet, a rocker-shaft 386, provided with radial arms 385 and 387, the shifter-blades and a sliding carrying-sleeve therefor, and an angular lever engaging said radial arm 387 and said shifter-sleeve, substantially as described. 21st. The combination with the horizontally-guided pusher W, of a cam 392, a rod 390, actuated thereby and connected to said pusher and the spring 393, substantially as described.

No. 35,662. Washing Machine.

(Machine à blanchir.)

William George Boston, David City, Nebraska, U.S.A., 24th December, 1890; 5 years.

Claim.—The combination, with the tub, a metallic support secured thereto, and a spring secured at its lower end to the body of the tub and at its upper end to said support, of the yoke, whose shank is journaled in an upright hole through said strap and spring, a lever pivoted between the upper ends of the side arms of the yoke, a shoulder on said lever adjacent to its pivot and a pounder connected to said lever, substantially as described.

No. 35,663. Oil Can. (Bidon à huile.)

James D. Newton, Thayer, Missouri, U.S.A., 24th December, 1890; 5 years.

Claim.—The combination, with the can 1, having the opening 4, the transverse rock shaft 8, journaled in and having one end extended through the wall of the can and terminating in a thumb lever, the rock arm mounted upon the shaft, and the rod 23, pivoted to the arm and provided at its upper end with a threaded socket, of the bushing 6, internally threaded and mounted in the opening 4, the coupling 15, threaded in the upper end of the bushing, the spout 14, fitted over the upper end of the bushing, a bored cap fitted over the upper end of the spout and having a reduced threaded upper end, a centrally bored plug threaded on said upper end, a discharge spout mounted thereon, a valve rod having its lower end threaded in the socket of the rod 23, a valve plug secured to the upper end of said valve rod and taking into a seat formed in the lower end of said cap 18, and the coiled spring 13, connected to the free end of the rock arm 12, and to the lower end of the bushing 6, substantially as specified.

No. 35,664. Holder for Lanterns.

(Porte-lanterne.)

Edwin G. Annable, Norwick, Vermont, U.S.A., 24th December, 1890; 5 years.

Claim.—In a lantern holder, a stationary support fitting the tube portion of said lantern at one side, and a movable clasp adapted to close upon the opposite side, and means substantially as described for automatically locking said clasp thereon.

No. 35,665. Machine for Applying Rings to Hub Bands. (Appareil à assujétir des anneaux sur les boîtes de moyeu.)

Thomas J. Reid, Gananoque, Ontario, Canada, 24th December, 1890; 5 years.

Claim.—1st. The combination, with the segmental former A, made up of segments having their outer faces corresponding in configuration to the interior, of a hub-band, a carrying-plate B, having radial slots, bolts connecting the segments to the plate and movable radially in said slots, and springs seated in said carrying plate for normally forcing inward the bolts to contract the sections carried thereby, and a wedge-shaped pin for expanding said former-section, substantially as set forth. 2nd. In combination with a former A, made up of four or more segments, a plate B, having slots through which pass bolts which engage with the segments of the former, rods passing through said bolts, springs on said rods to press against the bolts, said plate B having a central opening of greater diameter than the central opening in the former when the segments are in contact, and a tapered pin for expanding the segments, said segments having inclined faces, substantially as set forth.

No. 35,666. Railway. (Chemin de fer.)

Herbert L. Stillman, Charlestown, Rhode Island, U.S.A., 24th December, 1890; 5 years.

Claim.—1st. The improved railway herein described consisting of the compound beveled stringers with transverse apertures. 2nd. The rail of the approximately T form and the separating washer, secured by the bolts and cross ties, substantially as submitted.

No. 35,667. Game. (Jeu.)

Charles William Munz, Detroit, Michigan, U. S. A., 27th December 1890; 5 years.

Claim.—1st. A game comprising a receptacle, a cage placed eccentrically therein, a runway formed beside said cage, apertures or pits in proximity to said runway and a sphere or spheres in said receptacle, substantially as described. 2nd. A game comprising a receptacle, a cage placed therein, a runway formed beside said cage, apertures or pits in proximity to said runway, a chamber with which the pits communicate, communication from said chamber into the receptacle, and a sphere or spheres, substantially as described. 3rd. A game comprising the receptacle A, having floor apertures D, and chamber K, the cage E, having apertures F, arranged in the runway between the apertures D, substantially as described. 4th. A game comprising a receptacle and spheres in said receptacle adapted to be moved into a cage by manipulation of the receptacle, of a runway for said spheres, a turnstile, across said runway, adapted to be moved by said spheres, an index turned by said turnstile and a chart around said index, substantially as described. 5th. In combination with a receptacle, a sphere or spheres designed to be moved to an inner receptacle, and a fortune telling index and chart operated by the movement of said spheres, substantially as described. 6th. A game comprising the following elements: a receptacle, the bottom B, floor C, chamber K between, pits D, cage E, apertures F therein, runways L, M, turnstile N, O, shaft P, index finger O, and chart R, substantially as described.

No. 35,668. Supporter for Garments.

(Bretelle.)

William Henry Plumb, Ansonia, Connecticut, U. S. A., 27th December, 1890; 5 years.

Claim.—A garment supporter comprising two independent members, each provided with gripping edges at their lower ends, and means for their attachment at their upper ends, one of said members being provided with a stud on the body of its shank and the other with a key-hole slot and adapted to be applied to a webbing and to operate substantially as and for the purpose specified.

No. 35,669. Attachment for Gang Saws.

(Appareil pour les scies verticales.)

Dexter Hazard, Marquette, Michigan, U.S.A., 27th December, 1890; 5 years.

Claim.—1st. The combination with a gang saw of a series of guides located adjacent to and in alignment with said saws, substantially as described. 2nd. The combination, with a gang saw, of a series of guides located adjacent to and in alignment with said saws, and means for grooving the under side of the log in advance of the saws, substantially as described. 3rd. The combination, with a gang saw and a series of guides located adjacent to and in alignment with said saws, of a series of knives in alignment with the saws and adapted to groove the under side of the log in advance of the saws, substantially as described. 4th. The combination, with a gang saw, of a series of guides in advance of said saws and in alignment therewith, and a series of cutters in advance of the guides and in alignment therewith, substantially as described. 5th. The combination, with a gang saw, of a series of guides in advance thereof and in alignment with the saws, and a series of knives in advance of the