

therewith, of a forming head held to vertically reciprocate over the apron pocket and provided with a cutter and a forming plate, spring actuated gates, one of which is adapted to cover the bottom of the head and the other for contact with the outer face of the forming plate, a lower carrying belt provided with adjustable guides arranged at a right angle to the forming head, an upper carrying belt immediately above and arranged at a right angle to the lower belt, and means, substantially as described, for manipulating the said belts, as and for the purposes specified. 8th. In a cigar bunching machine, the combination, with a supporting frame, of a sliding rolling table, an apron secured to the table and frame, a sliding frame, a bunching roller mounted in the sliding frame under the apron, and means for reciprocating the table and frame, substantially as described. 9th. In a cigar bunching machine, the combination, with a supporting frame, of a sliding rolling table, an apron secured to the frame and table, a sliding frame, a bunching roller mounted in the sliding frame under the apron, means for moving the table first inward and then outward, and means for moving the sliding frame outward simultaneously with the table to the limit of its movement and then beyond the same, substantially as and for the purpose set forth. 10th. In a cigar bunching machine, the combination of a vertically reciprocating forming head provided with a cutter, a forming plate and gates at its lower end, endless belts for feeding the tobacco to the said head, a reciprocating rolling table, an apron secured to the table and to the supporting frame, and a reciprocating bunching roller, substantially as herein shown and described.

No. 37,343. Pad Clasp. (*Agrafe pour bourrelets.*)

Francis H. Dobbin, Peterborough, Ontario, Canada, 8th September, 1891; 5 years.

Claim.—The combination of bars A and B, with the toothed or corrugated surfaces, and notches on inner surface of bar A, whereby the bar B is held securely in place, substantially as set forth.

No. 37,344. Machine for Gumming and Sharpening Saws. (*Machine à affûter et évider les scies.*)

Francis J. Drake, Belleville, Ontario, Canada, 8th September, 1891; 5 years.

Claim.—1st. The cross bar Q, substantially as and for the purpose hereinbefore set forth. 2nd. The geared cams R and R', substantially as and for the purpose hereinbefore set forth. 3rd. The combination of the cams R and R', with the adjusting screws Y and Y', substantially as and for the purpose hereinbefore set forth. 4th. The combination of the cam R, and the links T, I, with the bar S, substantially as and for the purpose hereinbefore set forth. 5th. The combination of the cam R', with the bar U and the pawl V, substantially as and for the purpose hereinbefore set forth.

No. 37,345. Device for Hammering and Straightening Saws. (*Appareil pour marteler et dresser les scies.*)

Milo Covel, Chicago, Illinois, U.S.A., 8th September, 1891; 5 years.

Claim.—1st. In a device of the character described, an anvil block pivotally mounted, whereby the position of the same may be reversed for the purpose of presenting the operating surface on opposite sides of an object lying parallel to the face thereof, substantially as and for the purpose set forth. 2nd. The combination, with the supporting frame, of an anvil block, pivotally and eccentrically mounted therebetween, whereby the position of the same may be reversed and an operating surface or face presented to either side of the saw, substantially as and for the purpose set forth. 3rd. The combination, with a supporting frame, of an anvil block, pivotally mounted therein and adapted to be turned end for end, and a bolt or catch for locking said anvil in either position, substantially as set forth. 4th. In a device of the character described, the combination of the supporting frame, the reversible anvil block, the locking bolt or catch, the lever, connected to said bolt, and the spring, bearing against the handle end of said lever, whereby said bolt or catch is held, normally, in a locking position, substantially as and for the purpose set forth.

No. 37,346. Display Rack or Case.

(*Râtelier montre.*)

Sylvester Benjamin Calkins, Charlevoix, Michigan, U.S.A., 8th September, 1891; 5 years.

Claim.—1st. The combination, with a display rack or case having the sides converging upwardly, of detachable suspending bars supported by said sides, and disposed on different vertical planes, and one above the other, substantially as and for the purpose set forth. 2nd. The combination, with a display rack or case having the vertical parallel sides converging towards their upper ends, the strips secured to the inner faces thereof and opposing each other, said strips being provided with coincident grooves open at their outer ends, of detachable suspending bars adapted to be seated in said grooves and disposed parallel to each other and in different vertical planes, substantially as and for the purpose set forth. 3rd. The combination, with the casing closed at the lower end and having its sides projecting upwardly therefrom and parallel with each other, said extended sides being provided with opposing strips projecting from their inner faces and provided with coincident inwardly and downwardly extending grooves open at their outer ends, of detachable suspending bars adapted to be seated in said grooves and occupy a position parallel to each other, but on different vertical planes, substantially as and for the purpose set forth. 4th. The combination in a display rack or case with a base provided with a vertically and centrally disposed bearing-rod, the casing provided

with bearing eyes or perforations engaging said rod, and with upwardly extended parallel sides narrowed towards their upper ends, opposing strips projecting from the inner faces of the sides, and provided with inwardly and downwardly extending grooves open at their outer sides, of detachable suspending bars adapted to be seated in said grooves, substantially as and for the purpose set forth. 5th. The combination in a display rack or case with a revolvable casing provided with upwardly extended parallel sides narrowed towards their upper ends, said casing forming one or more display fronts of opposing strips projecting from the inner faces of the sides and adjacent to the display front or fronts, and provided with inwardly and downwardly extending grooves opening at their outer ends a detachable suspending bar adapted to be seated in each pair of grooves, and a door or doors for enclosing said front or fronts, substantially as and for the purpose set forth.

No. 37,347. Car Coupler. (*Attelage de chars.*)

William James Shortill, Esquesing, Ontario, Canada, 8th September, 1891; 5 years.

Claim.—1st. A car coupling consisting of a draw-head A having a cavity adapted to receive and retain the mechanism box B held in the cavity of the draw-head, and supporting the coupling link, also the coupling pin and parts operating the same, the coupling link C pivoted in said box pin, lever D pivoted to said box and carrying the coupling pin, the coupling pin E pivotally secured to said lever and the cam lever F pivoted to said pin lever, substantially as set forth. 2nd. In a car coupling, the combination of a box B having lugs b¹, with facings b², eye b³, and projecting bottom b⁴, coupling pin C pivoted in said box and having rounded beveled end c and slot c', pin lever D having facings d and extension d' pivoted in the lugs b¹ and supporting the coupling pin, the coupling pin E held pivotally by the lever D and passing through the top of the box B, the cam lever F having cam f, lugs f', neck f'', and slots f''', and pivoted through said slot to the lever D, substantially as set forth.

No. 37,348. Combined Carriage Jack and Tire Tightener. (*Chèvre de voiture et lien de jante combinés.*)

John Jay Phare, Independence, Missouri, and Augustus E. Miner, Bristolville, Ohio, both in U.S.A., 9th September, 1891; 5 years.

Claim.—1st. The combination of a standard, a movable fulcrum thereon, a lever pivoted to said fulcrum, and an adjustable bolt arranged in the short arm of said lever, substantially as described. 2nd. In a carriage-jack, a standard, a movable fulcrum thereon, a pivot and an arm D carrying, a catch G, said fulcrum pivot arm and catch, all being formed integral in combination with a lever working on said pivot, substantially as described. 3rd. The combination of a standard, a movable fulcrum, a pivot and catch formed integral therewith, a lever, an adjustable bolt carried by the short arm thereof having a square head, and a swiveled cap e having a concave upper sides, substantially as described. 4th. The combination of a standard, a movable fulcrum, a pivot and catch formed integral therewith, an offset on said pivot, a lever provided with an aperture, a slot connected with said aperture and an adjustable bolt carried by the short arm of said lever, substantially as described. 5th. The combination of a standard, a movable fulcrum, a pivot and catch formed thereon, a lever mounted on said pivot, a threaded nut countersunk in the short arm of the lever, the said lever being provided with an aperture g registering with the bore of the nut, a screw-threaded bolt adapted to operate in said nut, and a swiveled cap thereon, substantially as described.

No. 37,349. Car Seat. (*Banquette de char.*)

E. L. Bushnell Spring Company, assignees of Edwin L. Bushnell, all of Poughkeepsie, New York, U.S.A., 9th September, 1891; 5 years.

Claim.—1st. In combination with a car seat frame, a reversible back striker-arms supporting the back and pivoted to the frame, a latching connection between one of the striker-arms and the frame adjacent to the said arm, said latching frame adjacent to the said arm, said latching connection being automatically released by the movement of the striker-arms in reversing the back, and a lock between the other striker-arm and the frame adjacent thereto for securing the back in position, substantially as described. 2nd. In a car seat, a supporting-frame, inner and outer striker-arms pivotally connected thereto, a back carried by the striker-arms, a latching connection between the outer striker-arm and the frame adjacent to said arm, said latching connection being automatically released by the movement of the striker-arm in shifting the back, a slotted bearing in the frame to receive the pivot of the outer striker-arm, and a lock between the inner striker-arm and the frame adjacent thereto for securing said back in position, substantially as described. 3rd. In a car seat, a supporting frame, striker-arms pivoted thereto and carrying a back bearings in the frame for the pivots of the arms, one of said bearings being in the form of an elongated slot, a stud on one of the striker-arms, notches in the frame with which the said stud engages and from which it is automatically released by the sliding movement of the striker-arm in the bearing, and a lock on the other striker-arm engaging the frame adjacent thereto to secure the back in position, substantially as described.

No. 37,350. Bake Pan. (*Casserole.*)

Willis L. Veley and Grove Lawrence Brownell, both of Rocelle, Illinois, U.S.A., 9th September, 1891; 5 years.

Claim.—In a bake-pan, the combination, with the pan-cover, of its cover, the one provided with an inwardly-projecting edge to fit within the other, and with a flange riveted to said edge and having one of its edges bent in hook form to serve as a support for said cover.