

between the lower lug and said collar, and a buffer spring located at the upper end of said rod, substantially as set forth.

No. 44,146. Oil Can. (*Bidon à huile.*)

Steward Dunlap, Ashley, Pennsylvania, U.S.A., 9th December, 1892; 6 years.

Claim.—1st. The herein described oil can, consisting of an oil receptacle, a spout, a nozzle, a detachable nut between the spout and nozzle, said nut being formed with a valve seat in its lower end, a valve fitting said seat, a U-shaped valve rod extending through the spout into the body of the can and upward through a stuffing box in the top thereof, a filling tube at the top of the can and a combined stopper and vent fitting said tube, substantially as described. 2nd. The combination, with an oil can, of a vent consisting of a substantially cylindrical casing, the lower end of the casing being closed excepting a small perforation, and the upper end being provided with a similar perforation and a tube extending therefrom downwardly nearly to the bottom of the casing, substantially as described. 3rd. The combination, with an oil can having a filling tube threaded at its outer end, of a combined stopper and vent consisting of a cylindrical casing having an attached ring J, threaded to fit the filling tube, said casing having its lower end closed except a small perforation, and its upper end provided with a similar perforation and a small tube extending from said latter perforation nearly to the bottom of the casing, substantially as described.

No. 41,147. Combination Tool for Fences.

(*Outil à combinaison pour clôtures.*)

John W. Gallant, Delta, Colorado, U.S.A., 9th December, 1892; 6 years.

Claim.—1st. In a tool of the character set forth, the combination of the handles having horizontally disposed discs with notches therein, and heads integrally formed therewith and extending upward at an angle therefrom, and a gripping lever mounted between said heads and pivotally connected to one of the same, substantially as described. 2nd. In a tool of the character set forth, the combination of heads and a gripping lever movably mounted between the same and projecting rearwardly therefrom, substantially as described. 3rd. In a tool of the character set forth, the combination of heads having an opening extending therethrough, and a gripping lever mounted between said heads in line with said opening, substantially as described. 4th. In a tool of the character set forth, the combination of reins or handles having horizontally disposed discs integrally formed therewith and provided with notches, and heads rising vertically from said discs with spurs or points thereon and an opening extending therethrough, a gripping lever mounted between said heads and projecting rearwardly therefrom, teeth secured in the upper portions of said heads, and means for securing said teeth in position, substantially as described.

No. 41,148. Electrotpe and Stereotype Blocks.

(*Bloc électrotypes et stéréotypes.*)

Jacob Calvin Wolfe, New York, State of New York, U. S. A., 9th December, 1892; 6 years.

Claim.—1st. The combination, with an electrotpe shell, of a backing of box like form secured to the shell, substantially as shown and described. 2nd. The combination, with electrotpe or stereotype shells, of a metal box like backing having vents produced in one face for the escape of the surplus cementing material, by which the shell is secured to the backing, substantially as shown and described. 3rd. The herein described method of bringing an electrotpe or stereotype shell, its backing and an interposed cementing material to the standard height of type, which consists in subjecting the same to pressure while the cementing material is in a fluid state, substantially as set forth. 4th. The method herein described of backing stereotype plates, consisting in heating the shell, applying metallic cement to the upper face of the shell, then heating the backing and placing it upon the shell, and finally subjecting the whole to pressure, as specified. 5th. As an improved article of manufacture, a block or base consisting of a body shell having interior lattice work, substantially as shown and described. 6th. As an improved article of manufacture, a block or base consisting of a body shell having interior lattice work, and a top plate detachably attached thereto, adapted for the reception of electrotpe and stereotype shells, as and for the purpose specified. 7th. A block or base for the purposes described, consisting of a body shell, removable, interior lattice work supporting strips, and a removable top plate, as and for the purpose specified. 8th. A block or base for the purpose described, consisting of a body shell open at the top and bottom, interior, removable lattice work supporting strips, a top plate covering the upper portion of the body shell and lattice strips, and capable of receiving an electrotpe or stereotype shell, and connections between the top plate and the structure covered thereby, substantially as shown and described. 9th. A mould comprising removable marginal strips, body or block sections within the marginal strips, and wedge sections inserted between the body or block sections, substantially as described. 10th. A mould comprising removable marginal strips, tapering body or block sections within the marginal strips, wedge sections inserted between the block sections, and core plates intervening between the block sections and the block

sections and marginal strips, substantially as described. 11th. As an improved article of manufacture, a knock down mould, substantially as shown and described. 12th. As an improved article of manufacture, a knock down mould, core plates and means, substantially as described, for holding the score plates in the mould. 13th. A mould comprising removable and adjustable strips, tapering body or block sections, wedge sections inserted between the body sections at their base, core plates intervening between the upper surfaces of the body sections, and said sections and the marginal strips, and spacing plates engaging with the body sections and core plates, substantially as described. 14th. A backing or block for the purpose described, constructed of a single casting and comprising a base, sides and ends containing openings, and webs connecting the sides or ends, substantially as specified. 15th. A backing or block for the purpose described, constructed of a single casting and comprising a base, sides and ends containing openings, the webs connecting the sides or ends also containing openings, substantially as specified. 16th. A mould for the electrotpe and stereotype blocks or other articles, consisting of adjustable marginal strips, blocks having their side and end surfaces tapered upward in the direction of their centres, removable cores located between the blocks and the blocks and marginal strips and pins removably fitted in sockets in the upper faces of the blocks, substantially as shown and described. 17th. A mould for the purpose described, consisting of adjustable marginal strips provided with locking devices, body blocks having their side and end surfaces tapered upward in the direction of their centres, removable cores located between the blocks and the blocks and marginal strips, and pins removably fitted in sockets in the upper faces of the body blocks, substantially as and for the purpose specified. 18th. As an improved article of manufacture, a block for the purpose described, consisting of a hollow backing provided with interior webs, and a shell secured to the backing while in the process of casting, as and for the purpose specified. 19th. An electrotpe or stereotype block, consisting of a hollow backing open at the bottom and provided with a series of side openings, interior webs integral with the shell, also provided with openings, and shell secured to the upper face of the backing, substantially as described. 20th. That improvement in the process of making electrotpe or stereotype blocks, which consists in first casting a hollow back, and while said back is still fluid pressing an electrotpe or stereotype shell thereon, substantially as specified. 21st. In a mould for casting electrotpe or stereotype shells, the core plates provided with revolvable pins, substantially as and for the purpose specified.

No. 41,149. Car Coupler. (*Attelage de chars.*)

Frank A. Fox, San Francisco, California, U.S.A., 9th December, 1892; 6 years.

Claim.—1st. In a car coupler of the type herein mentioned a zigzag shaped bolt, adapted to move in an oblique direction in raising in combination with tail piece D, having the bevelled or inclined face *c*, substantially as described. 2nd. In a car coupler a flat bolt G, having one or more inclined faces or shoulders F, adapted to move up and down in a recess in the coupler head having corresponding inclined planes in combination with a tail piece D, having an inclined face *f* at its ends, substantially as described.

No. 41,150. Phonographic Apparatus.

(*Appareil phonographique.*)

Louis Glass, San Francisco, California, U.S.A., 9th December, 1892; 6 years.

Claim.—1st. In a phonograph, the combination with the recording and reproducing mechanism, of the tension spring adapted to overcome undue vibration so as to create perfect recording and reproduction of the sound undulation, as and for the purpose set forth. 2nd. In a phonograph, the combination with the recording and reproducing mechanism, of the pressure spring or cushion, and a tension regulating device for said spring or cushion, for the purpose of overcoming undue vibration so as to create perfect recording and reproduction of the sound undulation, as and for the purpose set forth. 3rd. In a phonograph, the combination with the vibrating plate, of an adjustable tension spring adapted to bear against said plate, for the purpose of preventing undue vibration, as and for the purpose set forth. 4th. In a phonograph, the combination with the recording and reproducing mechanism, of an adjustable tension spring cushion adapted to overcome undue vibration for the purpose of creating a perfect recording or reproduction of tone undulations, as and for the purpose set forth. 5th. In a phonograph, the combination with the recording mechanism, of the tension spring adapted to overcome undue vibration so as to create perfect recording of the sound undulation, as and for the purpose set forth. 6th. In a phonograph, the combination with the reproducing mechanism, of the pressure spring or cushion, and a tension regulating device for said spring or cushion, for the purpose of overcoming undue vibration so as to create perfect reproduction of the sound and undulation, as and for the purpose set forth.

No. 41,151. Machine for Making Envelopes.

(*Machine pour faire des enveloppes.*)

Louis Peter Bouvier, Toronto, and William Hart, Kingston, both in Ontario, Canada, 9th December, 1892; 6 years.

Claim.—1st. In an envelope machine, the combination with the double headed plunger and picker, and means for operating said