

Claim.—1st. The combination in a caster of a sheet metal horn frame, a washer and a pintle having a collar above the washer, a pintle passing through the washer and through the horn frame and being riveted up, substantially as set forth. 2nd. The combination with the roller horn frame and pintle of the sheet metal socket, having an opening through which the pintle passes, there being a head upon the upper end of the pintle for connecting the pintle with the sheet metal socket, substantially as set forth. 3rd. The sheet metal socket for a caster pintle, formed with the penetrating points 10 to enter the wood, and with the portions 8 to support the pintle near the upper end, substantially as set forth. 4th. The combination with the caster wheel horn frame and pintle of a sheet metal socket, having a plate 6, with a central bush 11, made by bending up the sheet metal of the plate, as set forth. 5th. The combination with the roller horn frame and pintle, of a sheet metal socket having a central plate 6, penetrating points 10, folded connections 11 between the plate 6 and the cylindrical portion 7 and the half circle portions 8 receiving between them the pintle near the upper end, and substantially as set forth.

No. 35,708. Machine for Covering Wire.

(Machine à couvrir le fil de fer.)

Edison General Electric Company, New York, State of New York, U.S.A., assignees of William A. Phillips, Brooklyn, New York, U.S.A., 3rd January, 1891; 5 years.

Claim.—1st. In a thread-winder for covering wire, the combination of a central spindle, means adapted to revolve a supply-bobbin around said spindle, and a guide for said supply bobbin in its revolution around said spindle, additional to and independent of the revolving means, substantially as set forth. 2nd. In a thread-winder for covering wire, the combination of a central spindle, means adapted to revolve a supply bobbin around said spindle, and a ring guide for said supply bobbin in its revolution around said spindle, substantially as set forth. 3rd. In a thread-winder for covering wire, the combination of a central spindle, means adapted to revolve a supply bobbin around said spindle, and a guide for said supply-bobbin in its revolution around said spindle, free to rotate, the axis of said bobbin being in contact with said guide, substantially as set forth. 4th. In a thread-winder for covering wire, the combination of a central spindle, a carrier adapted to carry each end of a supply-bobbin, said carrier being rotated by said central spindle, and a guide ring loosely supported on each of said carriers, the axis of said bobbin being in contact with the inner periphery of said guide ring, substantially as set forth. 5th. In a thread-winder for covering wire, the combination of a central spindle, arms carried by said spindle adapted to carry a supply-bobbin, a guide ring loosely supported on each of said arms, the axis of the bobbin in contact with said arms, and the inner periphery of said rings, and means on one of said arms for retaining said axis in contact with said ring, substantially as set forth. 6th. In a thread-winder for covering wire, the combination of a central spindle, means adapted to revolve a supply-bobbin around said spindle, a guide-ring for said bobbin in its revolution around said spindle free to rotate, and means for centering said guide ring with relation to said spindle, substantially as set forth. 7th. In a thread-winder for covering wire, the combination of a central spindle, means adapted to revolve a supply-bobbin around said spindle, an independent guide for said supply-bobbin in its revolution around said spindle, an arm and a counter-weight carried by said arm, located diametrically opposite said bobbin, and revolving with it around said central spindle, substantially as set forth. 8th. In a thread-winder for covering wire, the combination of a central spindle, means adapted to revolve a supply-bobbin around said spindle, an independent guide for said supply-bobbin in its revolution around said spindle, and a counter-weight for each end of the supply-bobbin, revolving with said bobbin, substantially as set forth. 9th. In a thread-winding machine, the combination of a central spindle, means adapted to revolve a supply-bobbin around said spindle, a guide-ring for each end of the spindle, of the supply-bobbin, a supporting arm for each guide-ring rotating with said central spindle, a bearing for each end of the spindle, of the supply-bobbin being formed by the supporting arm and the inner periphery of the guide-ring, substantially as set forth. 10th. In a thread-winding machine, the combination of a central spindle, means adapted to revolve a supply-bobbin around said spindle, a guide-ring for the upper end of the spindle of said supply-bobbin, an arm for supporting said guide-ring, means for centering the same, and means for preventing the same from leaving its supporting-arm, substantially as set forth. 11th. In a thread-winder for covering wire, the combination of a central spindle, a supply-bobbin and counter-weight carriers for said bobbin, and counter-weight arranged about said spindle diametrically opposite to each other, a guide ring free to rotate for said supply-bobbin, said ring being centered by the axis of the supply-bobbin at one point, and the counter-weight at a point diametrically opposite, substantially as set forth. 12th. In a thread winder for covering wire, the combination of a central spindle, a supply-bobbin, a counter-weight for each end of the supply-bobbin, carriers for said bobbin and counter-weights, each of said counter-weights being situated diametrically opposite one end of the bobbin, and a guide-ring for each end of the supply-bobbin free to rotate said rings being centered by the axis of the supply-bobbin at one point, and the counter-weight at a point diametrically opposite, substantially as set forth. 13th. In a thread-winder for covering wire, the combination of a central spindle, a supply-bobbin and counter-weight arranged about said spindle, diametrically opposite each other, carriers for said supply-bobbin and counter-weight, and a guide-ring for said supply-bobbin, free to be rotated by the axis of the bobbin, said counter-weight comprising a roller in contact with said ring and free to be rotated by it, substantially as set forth.

No. 35,709. Screw Shank and Ferrule.

(Fût à vis et ferrule.)

John Pymm, Saint George, Utah, U.S.A., 7th January, 1891; 5 years.

Claim.—In an implement, the combination of a handle having a tapering recess, a ferrule secured to said handle and projecting

therefrom, a threaded ring inside said projecting portion and fitting against the end of the handle, a threaded shank engaging said ring, and also the tapering recess of the handle, and a re-enforcing ring surrounding the projecting end of the ferrule, forming with it a double shoulder, against which the head of the shank abuts, substantially as described.

No. 35,710. Means for Operating Fire Proof Shutters or Doors. (Moyen de fermer les portes et contre-vents à l'épreuve du feu.)

Gustave Andreen, Omaha, Nebraska, U.S.A., 7th January, 1891; 5 years.

Claim.—1st. The combination, with a supporting rail and with a door or shutter mounted to slide thereon, of a striker-plate projecting from said door or shutter in position to receive the impact of the hose stream, whereby the door or shutter may be shifted, substantially as described. 2nd. The combination, with a sliding door or shutter, of a pocket projecting from the door or shutter in position to receive the impact of the hose stream, said pocket having a front plate to better confine the water, substantially as described. 3rd. The combination, with a sliding door or shutter, of a striker-plate, a top plate and a front plate adapted to form a pocket to receive the impact of the hose-stream, substantially as described. 4th. The combination, with a door or shutter of a striker-plate, extending approximately from top to bottom of the door or shutter, and serving both to stiffen the door or shutter against warping, said striker plate projecting in position to receive the impact of the hose stream, substantially as described. 5th. The combination, with a door or shutter of a striker plate, and a top-plate extending approximately from side to side of the door or shutter and serving to stiffen the door or shutter against warping, said top-plate and said striker-plate serving to form a pocket or cavity, against which a hose-stream may be directed to shift the door or shutter, substantially as described.

No. 35,711. Car Coupler. (Attelage de chars.)

Perry Brown, Sharonville, Ohio, U.S.A., 7th January, 1891; 5 years.

Claim.—1st. The combination in a coupling, of a swinging pivoted clutch and a pivotal pin therefor, having a part thereof of different shape from its pivotal portion, to secure the clutch in the locked position, substantially as described. 2nd. The combination in a twin jaw coupling, of a clutch, a pivotal pin therefor, constructed to secure the clutch in a locked position and means as the arm J, for raising the pin to unlock the clutch, substantially as described. 3rd. The combination in a twin jaw coupling, of a clutch, a pivotal locking pin therefor, an arm J, connected to the pin, a shaft J, carrying said arm and the handles J', connected to the shaft, substantially as described. 4th. The combination in a coupling, of a clutch having projecting hubs g, and a pair of ears provided with recesses opening sideways to admit the hubs and a pivotal pin as I, passing through the ears and the clutch to retain said clutch in the recesses, substantially as described. 5th. The combination, with a coupling, having the lug C, of the recessed casting F, and spring D, substantially as described. 6th. A twin jaw coupling having the ears H, H, disconnected at their outer ends and a horn B', in combination with a single armed clutch having one end pivoted in the ears, and constructed and arranged to swing outward clear of the face of the coupling, and provided with a recess within said end to receive a locking device, substantially as and for the purpose specified. 7th. A twin jaw coupling having ears H, disconnected at their outer ends and a horn B', opposite said ears, in combination with a clutch having a rounded hinged end, a recess for locking the same contained within the curve of said end, and a locking device fitting in said recess, substantially as described, and for the purpose set forth.

No. 35,712. Mechanism for Feeding Paper.

(Appareil pour fournir le papier aux presses à imprimer, etc.)

Edward Dummer, Newton, Massachusetts, U.S.A., 7th January, 1891; 5 years.

Claim.—1st. In a machine for feeding paper, the combination of a shaft b, two disks c, and d, adjustable thereon, and a finger F, pivoted between said disks, substantially as specified. 2nd. The combination of a shaft b, two disks c, and d, thereon, a finger F, pivoted to said disks and devices as the set-screws p, and q, for gaging the distance through which the finger may swing, substantially as set forth. 3rd. In a paper-feeding machine, a finger F, pivoted to a cylinder and adjustable in a direction transverse to its shaft or pivot pins, said finger being provided with an exterior friction-surface, substantially as and for the purpose set forth. 4th. In combination, with a finger F, and carrier therefor, means as the toothed wheel f, and toothed cylinder g, for imparting a varying movement to said carrier, said finger being provided with an exterior friction-surface, substantially as specified. 5th. In combination, with a cylinder E, carrying a finger F, a table D, for supporting a bank of paper in such relation to the cylinder that the finger will come in contact with the edge face of the sheet, substantially as and for the purpose specified. 6th. The combination, with a cylinder carrying a finger F, and a roller G, to co-operate with said cylinder as a gripper of a table D, for supporting a bank of paper in such relation to the cylinder that the finger will engage with the edge face of the sheet, substantially as set forth. 7th. The combination, of a cylinder carrying a finger F, a roller G, to co-act with said cylinder as a gripper, a roller H, tapes or bands e, extending around said rollers, and a table D, located under the roller G, and said tapes or bands, substantially as and for the purpose set forth. 8th. In combination, with a support for a bank of paper, a finger, and carrier therefor, whereby the finger is caused to touch the edge face of the sheet, and carry the edge of the sheet, substantially as specified. 9th. In combination, with a pivoted table D, for supporting a bank of paper, a finger and