a clamp which secures the cone-stand in position, and a cone hinged to the cone-stand, substantially as set forth. 2nd. The combination, with a reservoir and a burner-plate, of a cone-stand having one or more legs resting on the latter, one or more depending hooks engaging with the burner-plate, and a depending arm adapted to the reservoir, said cone-stand having a cone hinged thereto, substantially as set forth. 3rd. The combination, with a reservoir having a top stud, of a handle bearing on the latter, and a fastening connecting the two together, substantially as set forth. 4th. The combination, with a reservoir having a top-stud, and a cone-stand having an arm, of a handle, and a fastening which clamps said cone and handle to said stud, substantially as set forth. 5th. The combination, with a reservoir having a top stud, and a handle, of a cone-stand having an arm, a cone-clasp, and a fastening which holds said parts together, substantially as set forth. 6th. The combination, with a cone-stand having a depending arm, of a handle, and a cone-clasp, said three parts respectively provided with a horizontal extension, of a fastening which clamps said extensions to the reservoir, substantially as set forth. 7th. The combination, with the burner-plate B, and rod L, of the stops M adjustably fitted thereon, and adapted by engagement with said burner-plate to limit the movement of the rod, substantially as set forth. 8th. The combination, with burner-plate B, and rod L, located above the latter, of the stops M, adjustably and eccentrically fitted thereon, the two sides of said stop respectively engaging with the top of said burner-plate to limit the movement of said rod, substantially as set forth. 9th. The combination, with wick-rod L, and burner-plate B, of stop M loosely fitted on said rod, and set-screw *m* threaded in a hole in the stop and having end bearing against the rod, said stop engaging with said burner-plate to limit the rotary movement of said rod, substantially as set forth.

No. 22,186. Automatic Cash Carrier.

(Coulisse Automatique à Monnaie.)

Joseph W. Flagg, Worcester, Mass., U.S., 4th August, 1885 ; 5 years.

Claim.—1st. The combination, with the inclined tracks of a cash-carrying apparatus and carriers adapted to roll thereon, of a series of guard-wires attached at their ends to the tracks, and forming arches extencing over said tracks at appropriate distances, as and for the purpose set forth. 2nd. The combination, with the rails of an elevated receiving track placed over the main inward track of a cash-carrying system, of springs attached to the rails of the receiving-tracks and forming an extension of the same, as and for the purpose set forth. 3rd. The combination, with the rails of an elevated receiving-track of blade-springs e^1, attached to the rails of the said receiving-track, as and for the purpose set forth. 4th. The combination, with an outward track, of a cash-carrying apparatus having openings to allow the proper distribution of the carriers and movable delivery baskets of an intermediate track communicating with said openings and baskets, as and for the purpose set forth. 5th. The combination, with the outward track of a cash-carrying apparatus having a series of openings to effect the proper distribution of the carriers and movable delivery baskets, and intermediate tracks communicating with said openings and said delivery-baskets, of a transverse vertically-sliding bar for retaining the carriers in the intermediate tracks, said bar being operated by the movable baskets so as to allow the carriers to pass from the intermediate tracks into the baskets when the baskets are elevated, as and for the purpose set forth. 6th. The combination, with an intermediate track communicating with the openings of an outward track, and having an opening to allow the exit of the carriers therefrom, of a bar extending transversely across said opening in the track and sliding vertically in slots, said being operated by the delivery-baskets, substantially as described, whereby the carriers may be retained on, or discharged from, the intermediate track as desired, as and for the purpose set forth. 7th. In a cash-carrying apparatus, the outward distributing track having one or more circular openings, to allow the proper distribution of the carriers, and having the rails of said outward track chamferred at their inner upper corners adjacent to the circular openings, so as to form a continuous track for the rolling carriers, as and for the purpose set forth. 8th. In a way or track of a cash-carrying apparatus, the combination, with a pivoted switch-rail of a vertical rotating post, a horizontal arm attached to the post and vertically adjustable thereon, and extending over the track so as to be moved by the passing carriers, connecting mechanism for securing the simultaneous action of the rotating post and the pivoted switch-rail, and a spring to reverse their motion after the passage of a carrier, as and for the purpose set forth. 9th. In a cash-system, employing rolling carriers of graduated sizes, the horizontal arm journalled at the sides of the track, and extending over the track at a proper height to be actuated only by the larger carriers intended for the side or branch track, in combination with connected switching devices for deflecting said larger carriers onto the branch track, as and for the purpose set forth. 10th. The combination, with an inclined way of a cash-carrying apparatus and graduated carriers adapted to roll thereon, of the vertical rotating spindle r^5, horizontal arm r^6 attached to said spindle and adjustable vertically thereon, and extending over the track at proper height to be actuated by carriers of a certain size, arm r^4 on post r^6, bell crank r^2, pivoted switch-rail L, connected links r^1 and r^3, and spring r, so attached to and actuating the switching mechanism as to reverse its motion after the passage of an operating carrier, as and for the purpose set forth. 11th. The combination, with the way of a cash-carrying apparatus with graduated carriers adapted to roll thereon, of a horizontal arm extending over the way and attached to a vertical rotating spindle, said horizontal arm being adjusted vertically relatively to the graduated carriers so as to be moved only by the larger carriers and a switch-rail arranged to deflect the carriers upon a branch-track, when desired, said switch-rail and vertical rotating post being connected so as to move simultaneously, as and for the purpose set forth. 12th. The combination, with the inward track of a cash-carrying apparatus having converging branch-tracks, of a rigid frog at the intersecting tracks, said frog having an inclined surface, as described, upon which the carriers roll, thereby sustaining the carriers until the normal width of the main track has been reached, as and for the purpose set forth. 13th. The combination, with the receiving track arranged beneath the openings in the outward or distributing track, of a cash-carrying apparatus, said receiving track having an opening through which carriers fall into a movable delivery basket and a movable delivery basket suspended by cords, of a transverse bar closing the opening in the receiving track and having eyes at the end through which the cords of the delivery basket pass, said cords being connected with means by which the baskets may be raised, and buttons on said cords by which the transverse bar may be raised by the upward motion of the cords, as and for the purposes set forth. 14th. The combination, with the main track B having openings C, of the receiving-track F having an opening E^1, transverse bar b^2 closing the opening E^1 and having eyes h^3, h^3, cords h, h, passing through said eyes, attached to the winding-drums, winding-drums h^1, buttons c, c, attached to the cords h, h, arranged and operating as described, and for the purpose set forth. 15th. The combination, with the main track of a cash-carrying apparatus and graduated carriers adapted to roll thereon, of graduated openings in the main track and a branch track arranged below the main track, having one end beneath the openings in the main track, whereby certain of the carriers on the main track are diverted to the branch track, as and for the purpose set forth. 16th. In a cash-carrying apparatus, the way or track consisting of rails formed of the longitudinal sections, of tubes arranged upon ties or other supports with their convex sides outward and downward, so the carriers roll upon the lower edges of the concave sides, as and for the purpose set forth. 17th. In a cash-carrying apparatus, the rail having its inner and upper side concave and its lower and outer side convex, substantially as and for the purpose set forth. 18th. The combination, in an elevator, of a cash-carrying apparatus having a rigid support for the carrier, of a vibrating wire or arm pivoted near the front of the elevator and extending rearward and upward behind the carrier, so the forward motion of the said vibrating arm will force the carrier forward, as and for the purpose set forth. 19th. The combination, in an elevator of a cash-carrying apparatus, of a rigid support for the carrier, having its upper surface inclined with the front side the highest and a pivoted wire or arm extending rearward and upward beyond the inclined surface so as to form a back to hold the carrier from rolling off its support, as and for the purpose set forth. 20th. The elevator consisting of a metallic elliptical rim H, having lugs K and rails I, I, to support the carrier, and a pivoted wire or arm extending upward and rearward for the purpose of forcing the carrier off the rail, as and for the purpose set forth. 21st. The combination, in the elevator, of a cash-carrying apparatus, of rails I, I, pivoted vibrating arm *n* and tripping-prong *o*, as and for the purpose set forth. 22nd. The combination, with the hollow hemisphere T and T^1, of the outer tube U, having a flange 4 at one end, both in one piece and carrying an inner tube U^1 and elastic diaphragm 2, outer tube V having a flange 6 at one end both in one piece, and carrying an inner tube V^1 and diaphragm 3, the flange being recessed in, and attached to, the hemisphere I and I^1, as and for the purpose set forth. 23rd. In a hollow rolling cash-carrier formed of two parts, the locking device consisting of spring catches 8, 8, recessed in one part of the carrier, and a tube projecting from the other part of the carrier, having a lip or shoulder 9, with openings 12, 12, said projecting tube entering the recess in the opposite half of the carrier, so the lip may be engaged by the spring catches, thereby securely locking the two parts of the carrier together, as and for the purpose set forth.

No. 22,187. Inkstand. *(Ecritoire.)*

Frank B. Woodhouse, Utica, N.Y., U.S., 4th August, 1885 ; 5 years.

Claim.—1st. The combination, with the ink cover, of the crank lever pivoted to the upper ends of standards, the lower end of said lever having a pivoted connection with said cover, and the upper end of said lever forming a hand rest, substantially as described, whereby, when the hand holding the pen is rested on said lever, the cover will be withdrawn or removed, as set forth. 2nd. The combination, with the ink-well cover, of the crank lever pivoted to the upper ends of standards, the lower end of said lever being pivoted to a bar connected to the said cover, the upper end of said lever forming a hand rest, substantially as and for the purpose set forth. 3rd. An ink-stand comprising an ink-well supported on a base, a crank lever pivoted to standards on the base, and connected with the ink well by a bar which operates the sliding cover of the ink well, and a spring to close the cover, substantially as set forth. 4th. The combination, in an ink-stand, of a base A, a detachable ink-well B held to the base by the interlocking projection, and cavity *a b*, the crank lever E pivoted to standards C, the rod and cover G, H, stop J and spring I, substantially as herein set forth. 5th. The combination, in an ink-stand, of base A detachable ink-well B held thereto by the interlocking projection and cavity *a b*, and removable clamp K, the lever E pivoted to standards C, and the rod and cover G H, stop J and spring I, substantially as herein set forth.

No. 22,188. Process for Bleaching Cotton Yarns and Fabrics. *(Procédé de Blanchiment des Fils et Tissus de Coton.)*

William Mather, Salford, Eng., 4th August, 1885 ; years.

Claim.—The improvement in the art of bleaching cotton yarns and fabrics, which consists in first treating them with a boiling solution of caustic soda, then subjecting them to the action of steam in a closed vessel, and, while so subjected to steam, occasionally introducing the soda liquor, then washing the yarns or fabrics, these steps being repeated if necessary, then subjecting the materials to the action of chlorine liquor, then washing them and finally scouring the same, substantially as set forth.

No. 22,189. Carving Dish. *(Plat à Découper.)*

Walter H. Thorne, Bournemouth, Eng., 4th August, 1885 ; years.

Claim.—1st. The novelty of a raised "centre" A A A A, with the cone-shaped spikes. 2nd. The system of drainage of gravy on an improved plan, by the combination of A A A A, with B B B B, thence to D D D D and E, all substantially as described.