No. 660.847. Patented Oct. 30, 1900.

B. VOM EIGEN.

PURSE OR BAG FRAME.

(Application filed July 20, 1900.)

(No Model.) 2 Sheets—Sheet 1.



FIG. 1

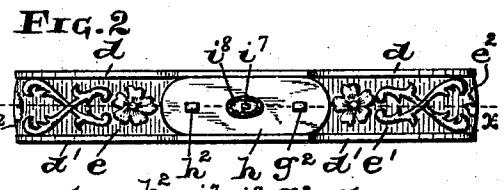


FIG. 2

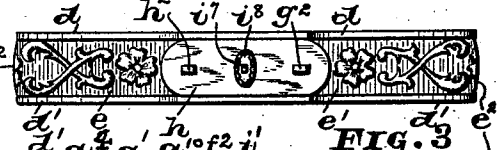


FIG. 3
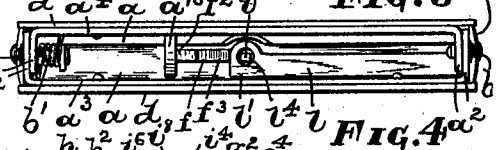


FIG. 4

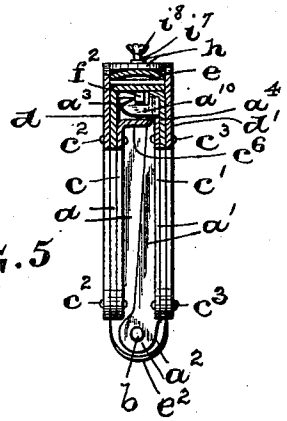


FIG. 5

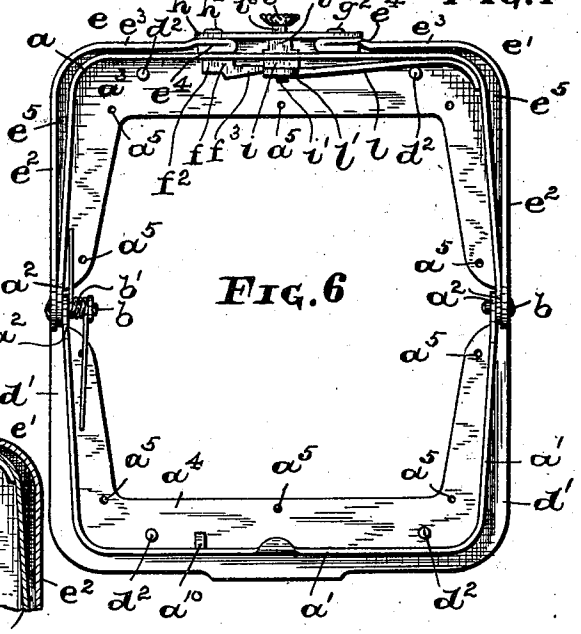


FIG. 6

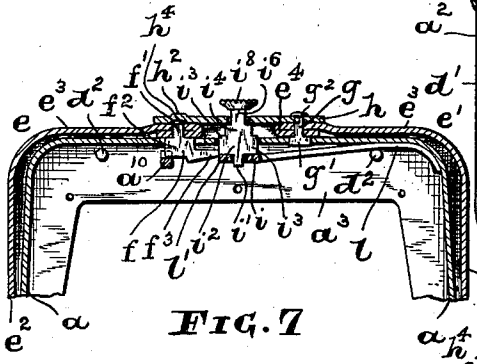


FIG. 7

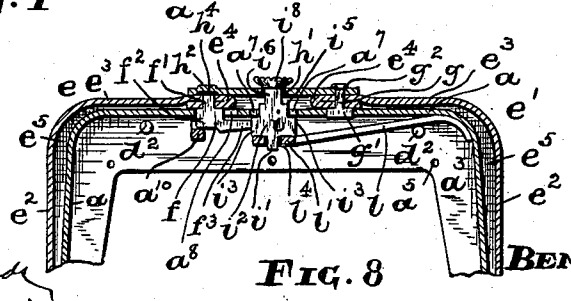


FIG. 8

WITNESSES:

Geo. D. Richards

Marcy Z. Dusdell

INVENTOR:

BENNO VOM EIGEN,

BY

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ATTORNEY

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No. 660,847.. Patented Oct. 30, 1900.

B. VOM EIGEN.

PURSE OR BAG FRAME.

(Application filed July 20, 1900.)

(No Model.) 2 Sheets—Sheet 2.

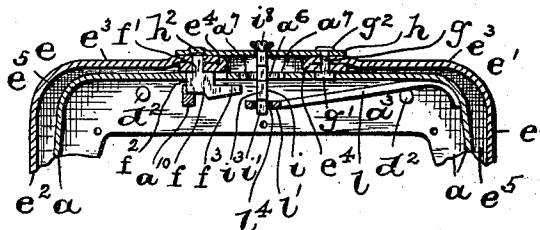


FIG. 9

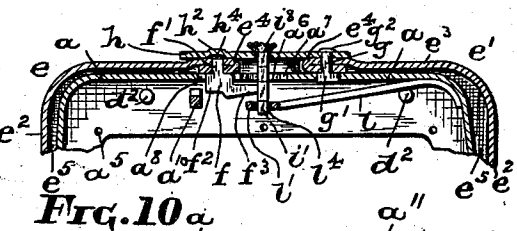


FIG. 10

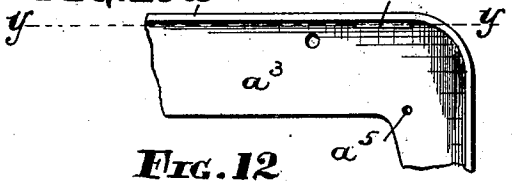


FIG. 12

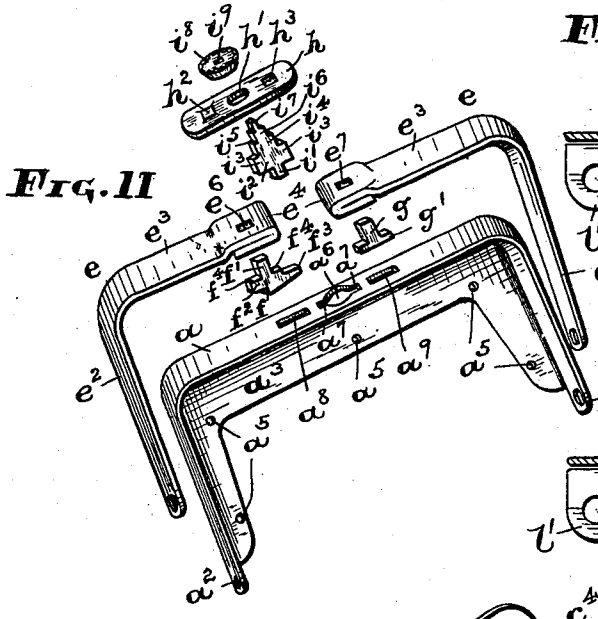


FIG. 11

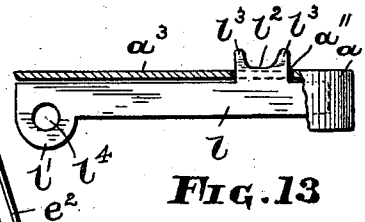


FIG. 13

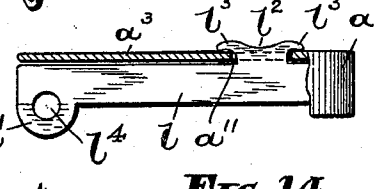


FIG. 14

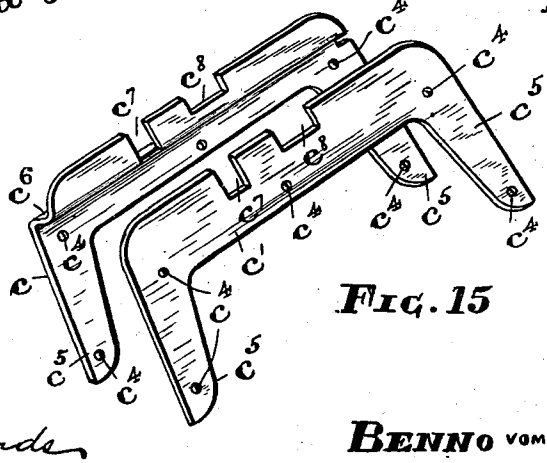


FIG. 15

WITNESSES:

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Marcy Z. Driskell

INVENTOR:

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BY

Frank C. Fraentzel.

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UNITED STATES PATENT OFFICE.

BENNO VOM EIGEN, OF NEWARK, NEW JERSEY, ASSIGNOR TO AUG. GOERTZ & CO., OF SAME PLACE.

PURSE OR BAG FRAME.

SPECIFICATION forming part of Letters Patent No. 660,847, dated October 30, 1900.

Application filed July 20, 1900. Serial No. 24,272. (No model.)

To all whom it may concern:

Be it known that I, BENNO VOM EIGEN, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Purse or Bag Frames; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

My present invention has reference to improvements in purse or bag frames and the like; and the invention relates more particularly to a novel construction of bag or purse frame and a novel means for holding the frame-sections in their closed positions with a view of providing a neat and simply-constructed frame and holding-catch therefor.

The principal object of this invention is to provide a novel construction of bag or purse frame and holding-catch therefor, which shall be of a simple and durable construction, the various parts being arranged with a view of producing a "trick" or "puzzle" frame, which will offer abundant opportunities to exercise good judgment in the manipulation of the parts and at the same time afford great amusement.

A further object of this invention is to provide a trick or puzzle frame in which the parts of the holding-catch can be readily set, so as to enable the opening and closing of the frame-sections in the usual manner, without in every instance necessitating a peculiar manipulation of certain parts of the holding-catch.

The invention therefore consists generally in the novel construction of a purse or bag frame and its holding or locking catch, as well as in the novel arrangements and combinations of the various parts thereof, all of which will be hereinafter more fully set forth and finally embodied in the clauses of the claim.

The invention furthermore consists in the novel arrangement of outer and inner frame-sections, arranged one within the other, and all having a common hinge-joint or connection.

The invention is clearly illustrated in the accompanying drawings, in which—

Figure 1 is a front view of a purse or bag frame made according to the principles of my invention; and Figs. 2 and 3 are top edge views of the frame-sections in their closed relation, but Fig. 2 illustrating the arrangement of a rotatable finger-piece or post in the position to prevent the manipulation of the holding-catch and the hinged or pivoted separation of the frame-sections, and Fig. 3 representing the said finger-piece or post in its operated position to permit of the manipulation of the holding-catch and the opening of the frame-sections. Fig. 4 is a bottom view of the said frame-sections, illustrating in connection therewith the locking or holding parts in their locked or held positions; and Fig. 5 is a vertical cross-section of the frame-sections, illustrating in connection therewith one arrangement of "inlays" with the several holding or locking parts represented in their engaged or locked positions. Fig. 6 is a plan view of the bag or purse frame and its holding-catch, showing the frame-sections open. Fig. 7 is a longitudinal vertical section taken on line $x\,x$ in Fig. 2, illustrating the parts of the holding-catch mechanism in their normal holding positions to prevent the turning or rotatable motion of the finger-piece or operating-post of the catch; and Fig. 8 is a similar view representing the same arrangement of the various parts, but illustrating the finger-piece or post pushed in previous to its being turned in a plane at right angles to its normal position. Fig. 9 is a similar view of the several parts, with the finger-piece or post of the catch turned at right angles, but the frame-sections still being held in their locked engagement; and Fig. 10 is a similar view representing all of the said parts in their disengaged or unlocked relation for the opening and closing of the hinged frame-sections. Fig. 11 is a collective perspective view of the several parts of the frame-sections and the parts of the holding or locking catch. Fig. 12 is a front view of a portion of the inner frame-section,

with a spring arm or plate having its end in engagement with the end of the finger-piece or post, not represented in this view; and Figs. 13 and 14 are two sectional views of the said frame-section, taken on line y y in said Fig. 12, illustrating in plan the arrangement of a spring arm or plate and means thereon for securing it in place by means of an arrangement of holding-prongs, said Fig. 13 illustrating the prongs in position in a slot in the frame-section before they are turned over, and said Fig. 14 showing the prongs upset, with the said spring-arm secured in its operative position in the said frame-section. Fig. 15 is a perspective view of a pair of inlays employed with the several frame-sections.

Similar letters of reference are employed in all of the said above-described views to indicate corresponding parts.

In the said drawings, a and a' indicate the two main frame-sections of the inner frame, which are pivotally connected at their lower end portions a^2 by means of suitable pins or rivets b and are spring-actuated by means of a spring b', as clearly indicated in Figs. 1 and 6; but of course it will be evident that the said parts may be connected in any other suitable manner. The said frame-sections a and a' are respectively provided with inwardly-extending sides a^3 and a^4, as will be evidenced by an inspection of the several figures of the drawings, and in which is an arrangement of perforations a^5 for properly securing in position by means of pins c^2 in the frame-section a an inlay c, and by means of pins or rivets c^3 is secured in the frame-section a' an inlay c', said pins or rivets being arranged in correspondingly-placed perforations c^4 in the bodies of said inlays and in the leg portions c^5 thereof for securing the material of the bag in position. By means of these pins or rivets c^2 is secured against the outer face of the frame-section a an ornamental or other section-plate d, and by means of the rivets or pins c^3 I have secured to the outer face of the frame-section a' a second ornamental or other suitable section-plate d'. Other fastening pins or rivets d^2 may also be employed for securing the said section-plates d and d' against the outer faces of the frame-sections a and a', substantially as illustrated. It will also be evident that the said section-plates d and d' may be otherwise connected with or they may form an integral part of the frame-sections a and a'.

Pivotally connected with each pin or rivet b are outer frame-sections e and e', each frame-section comprising a pair of portions e^2 and e^3, which are preferably formed at right angles to each other, or approximately so, and are provided with the turned-under or enlarged ends e^4, substantially as illustrated, so as to form spaces e^5 between the inner surface of the inwardly-extending sides a^3 of the frame-section a and the inner surfaces of the said right-angled portions of the outer frame-sections e and e'. The enlarged or turned-over end e^4 of the section e has a slot or opening e^6 therein, and the end e^4 of the other section e' is likewise provided with a slot or opening e^7. In the frame-section a, in the upper and central portion thereof, is a hole or opening a^6, which is provided with oppositely-extending slots a^7, and the said top is further provided with slots or openings a^8 and a^9, as clearly shown in Fig. 11. Arranged against the under surface of the top of said frame-section a, by means of a pair of shoulders or flat edge portions f^4 and having a post or stud f' extending through the slot or opening a^8, is a suitable catch-plate f, which is also provided with a forwardly-extending arm or lug f^3, arranged to extend in a direction toward the central portion of the frame-section a. The said post or stud f' also passes through the slot or opening e^6 in the end portion of the section e and terminates directly beneath a depression h^4 in the under surface of a connecting-plate or bridge-piece h, the said post or stud f' being rigidly secured in the opening e^6 in the end portion e^4 of the outer frame-section e. The said post or stud f' being thus slidably arranged in the slot or opening a^8 of the frame-section a and being rigidly secured to the section e, the latter is capable of a movement toward the center of the completed frame by a pressure upon the outer surface of the part e^2 of said section. The catch-plate f is thus also capable of a similar inward movement to withdraw a bolt portion f^2 from its holding or locked engagement with a holding or catch stud a^{10} on the other frame-section a' in the manner to be hereinafter more fully set forth. Similarly arranged against the under surface of the top of said frame-section a, by means of shoulders or stops g', is a post or rivet g, which is passed through the slot or opening a^9 in the frame-section a. The said post, stud, or rivet g is also passed through the slot or opening e^7 in the frame-section e' and through an opening or slot h^3 in the connecting-plate or bridge-piece g, against which the free end of said post, stud, or rivet g is upset or riveted, so as to form the head g^2, and whereby the several parts are rigidly connected, as will be clearly understood from an inspection of the several figures of the drawings. From Fig. 11 it will also be seen that the said connecting-plate or bridge-piece h is provided with a centrally-arranged hole or opening h'. Suitably secured, preferably by means of prongs l^3, connected with a portion l^2, arranged in and upset or turned over against the surrounding edge of a slot or opening a^{11} in the frame-section a, is a supporting-spring l. The normal tendency of the free end of said spring is in an upward direction, and rotatively arranged in a hole or perforation l^4 in the end l' of said spring is the stud end i' of a device i. The said device i has its lower portion i^2 slidably arranged in the central opening a^6 in the frame-section a, its edge

portions i^3 being likewise slidably arranged in the slots a^7, connected with said hole portion a^6, to prevent the turning of said device i unless forced in a downward direction to bring said parts i^3 clear of the said slots a^7, for the purposes to be hereinafter more fully specified. The said device i is also provided with a portion i^4, formed with shoulders or offsets i^5, which are forced against the under surface of the connecting-plate or bridge-piece h by the upward action of the end l' of the spring l. Another part i^6 of the device i extends into and is rotatively arranged in the central hole or opening h' in said plate or bridge-piece h, and connected with said part i^6 is a stud i^7, which extends some distance above the said plate or bridge-piece h. A finger-piece or knob i^8, having a central hole i^9, is arranged over said post or stud i^7 and is securely riveted thereon, as shown. The said connecting-plate or bridge-piece h is preferably provided with a raised portion h^3, having the appearance of a rivet-head and corresponding with the head g^2, so as to produce uniformity of the design of these parts when secured together, as will be clearly understood. When these several parts have thus been operatively secured together and are in their normally locked or held engagement, (indicated in Figs. 6 and 7,) then the free end of the part f^3 rests in close proximity to the edge of one of the parts i^3 of the device i, which prevents the inward movement, hereinabove mentioned, of the section e, and the several frame-sections are retained in their held or locked positions. To open the frame-sections, a downward pressure is applied upon the knob or finger-piece i^8, whereby the device i is caused to be moved from the position represented in Fig. 7 to that shown in Fig. 8. By means of a quarter-turn of the knob or finger-piece i^8 (represented in Fig. 3) the device i will stand in the position illustrated in Fig. 9, and the section e can now be forced in an inward direction. (Indicated in Fig. 10.) In this manner the part f^2 of the catch-plate f is freed from its holding engagement with the holding or catch stud a^{10} of the frame-section a', and the spring b will cause the frame-sections to assume their open relation one with the other, as indicated in Fig. 6 of the drawings. The section e, being made of spring metal, as soon as it is released by the operator will immediately return to its initial position, and the frame-sections can now be closed or opened by a simple push against the arm portion e^2 of said section e, or the parts can be again locked by returning the device i to its former position, (indicated in Figs. 6 and 7,) when the finger-piece or knob i^8 is again given another quarter-turn from the position shown in Fig. 3 to that represented in Fig. 2, and the spring-arm l forces the parts i^3 again into their locked or held engagement with the slots a^7 in the frame-section a. The said inlay c, hereinabove mentioned, is formed with a shoulder c^6, which provides a suitable chamber for inclosing certain parts of the catch mechanism, as represented in Fig. 5, the inlays c and c' being provided with correspondingly-placed openings c^7 and c^8 for permitting their proper arrangement about the parts of the lock or catch mechanism and the inner surfaces of the frame-sections to be inclosed.

The advantages of my novel construction of purse or bag frame and its locking or holding catch are evident from the above description, the construction of the several parts being simple, cheap, and neat, as well as operative, and, furthermore, a useful toy or puzzle is provided from which may be obtained much pleasure and amusement.

I am aware that changes may be made in the several arrangements and combinations of the various parts, as well as in the details of the construction thereof, without departing from the scope of my present invention. Hence I do not limit my invention to the exact arrangements and combinations of the various parts, nor do I confine myself to the exact details of the construction thereof.

Having thus described my invention, what I claim is—

1. In a purse or bag frame, the combination, with a pair of inner hinged or pivoted frame-sections, of a pair of outer frame-sections, arranged one in a fixed position over one of said inner frame-sections, and the other outer frame-section having a sliding motion in a direction toward the center of the frame-sections, and means connected with said several frame-sections for holding them in their closed relation, substantially as and for the purposes set forth.

2. In a purse or bag frame, the combination, with a pair of inner hinged or pivoted frame-sections, of a pair of outer frame-sections, arranged one in a fixed position over one of said inner frame-sections, and the other outer frame-section having a sliding motion in a direction toward the center of the frame-sections, means connected with said several frame-sections for holding them in their closed relation, and section-plates d and d', secured to the outer surfaces of said frame-sections, substantially as and for the purposes set forth.

3. In a purse or bag frame, the combination, with a pair of inner hinged or pivoted frame-sections, of a pair of outer frame-sections, arranged one in a fixed position over one of said inner frame-sections, and the other outer frame-section having a sliding motion in a direction toward the center of the frame-sections, a connecting-plate or bridge-piece connected between said outer frame-sections, and a lock-post rotatably connected with said bridge-piece, normally preventing the sliding motion of said outer movable frame-section, substantially as and for the purposes set forth.

4. In a purse or bag frame, the combination, with a pair of inner hinged or pivoted

frame-sections, of a pair of outer frame-sections, arranged one in a fixed position over one of said inner frame-sections, and the other outer frame-section having a sliding motion in a direction toward the center of the frame-sections, a connecting-plate or bridge-piece connected between said outer frame-sections, a lock-post rotatably connected with said bridge-piece, normally preventing the sliding motion of said outer movable frame-section, and a pair of inclosing section-plates d and d', between which the said outer frame-sections, bridge-piece and lock-post are arranged, when the frame is closed, substantially as and for the purposes set forth.

5. In a purse or bag frame, the combination, with a pair of inner hinged or pivoted frame-sections, of a pair of outer frame-sections, arranged one in a fixed position over one of said inner frame-sections, and the other outer frame-section having a sliding motion in a direction toward the center of the frame-sections, a connecting-plate or bridge-piece between said outer frame-sections, a rotatable and depressible lock-post connected with said bridge-piece, and a holding or lock catch connected with said outer slidable or movable frame-section, normally in locked engagement with said lock-post to prevent the sliding motion of said outer slidable or movable frame-section, substantially as and for the purposes set forth.

6. In a purse or bag frame, the combination, with a pair of inner hinged or pivoted frame-sections, of a pair of outer frame-sections, arranged one in a fixed position over one of said inner frame-sections, and the other outer frame-section having a sliding motion in a direction toward the center of the frame-sections, a connecting-plate or bridge-piece between said outer frame-sections, a rotatable and depressible lock-post connected with said bridge-piece, a holding or lock catch connected with said outer slidable or movable frame-section, normally in locked engagement with said lock-post to prevent the sliding motion of said outer slidable or movable frame-section, and a pair of inclosing section-plates d and d', between which the said outer frame-sections, bridge-piece and lock-post are arranged, when the frame is closed, substantially as and for the purposes set forth.

7. In a purse or bag frame, the combination, with one of the frame-sections thereof, having an opening a^6 provided with a slotted portion or portions a^7, of a rotatable lock-post i having a holding part or parts slidably arranged in said slotted portion or portions a^7 to prevent turning, a holding-catch normally in locked engagement with said lock-post, and means connected with said lock-post arranged to permit the withdrawal of said holding part or parts from said slotted portion or portions a^7, and with which said lock-post is rotatably connected to release the holding-catch, substantially as and for the purposes set forth.

8. In a purse or bag frame, the combination, with one of the frame-sections thereof, having an opening a^6 provided with a slotted portion or portions a^7, of a rotatable lock-post i having a holding part or parts slidably arranged in said slotted portion or portions a^7 to prevent turning, a holding-catch normally in locked engagement with said lock-post, and a spring secured in said frame-section, having a perforated end portion providing a bearing for said lock-post, substantially as and for the purposes set forth.

9. In a purse or bag frame, the combination, with one of the frame-sections thereof, having an opening or slot a^8, of a movable frame-section e slidably connected with said main frame-section, and a catch-plate f secured to said frame-section e and slidably arranged in said slot a^8, a holding lug or arm f^3 and a bolt portion f^2 on said catch-plate, and a spring-actuated lock-post with which said arm or lug f^3 is normally in held engagement, substantially as and for the purposes set forth.

10. In a purse or bag frame, the combination, with one of the frame-sections thereof, having an opening or slot a^8, of a movable frame-section e slidably connected with said main frame-section, and a catch-plate f secured to said frame-section e and slidably arranged in said slot a^8, a holding lug or arm f^3 and a bolt portion f^2 on said catch-plate, and a rotatable lock-post with which said arm or lug f^3 is normally held in engagement, substantially as and for the purposes set forth.

11. In a purse or bag frame, the combination, with one of the frame-sections thereof, having an opening or slot a^8, of a movable frame-section e slidably connected with said main frame-section, and a catch-plate f secured to said frame-section e and slidably arranged in said slot a^8, a holding lug or arm f^3 and a bolt portion f^2 on said catch-plate, a spring secured in said main frame-section, having a perforated end portion, and a lock-post provided with a stud or projection i' rotatively arranged in said perforated end portion of the spring, substantially as and for the purposes set forth.

12. In a purse or bag frame, the combination, with one of the frame-sections thereof, having an opening a^8, and an opening a^6 provided with a slotted portion or portions a^7, of a movable frame-section e slidably connected with said main frame-section, a catch-plate f secured to said frame-section e and slidably arranged in said slot a^8, a holding lug or arm f^3 and a bolt portion f^2 on said catch-plate, and a rotatable and spring-actuated lock portion i with which said arm or lug f^3 is normally held in engagement, and retaining portions on said lock portion i slidably and removably arranged in said slotted portion or portions a^7, substantially as and for the purposes set forth.

13. In a purse or bag frame, the combination, with one of the frame-sections thereof, having an opening a^8 and an opening a^6 pro-

vided with a slotted portion or portions a^7, of a movable frame-section e slidably connected with said main frame-section, a catch-plate f secured to said frame-section e and slidably arranged in said slot a^8, a holding lug or arm f^3 and a bolt portion f^2 on said catch-plate, a spring secured in said main frame-section, having a perforated end portion forming a bearing, and a lock-post i provided with a stud or projection l' rotatively arranged in said perforated end or bearing portion, and retaining portions i^3 on said lock-post slidably and removably arranged in said slotted portion or portions a^7, substantially as and for the purposes set forth.

14. In a purse or bag frame, the combination, with a frame-section a having an opening a^6 and slotted portions a^7, of a pair of outer frame-sections e and e', a connecting-plate or bridge-piece h connected with said sections e and e' and having a central opening or hole h', a lock-post i in said opening a^6, retaining portions i^3 slidably and removably arranged in said slotted portions a^7, and provided with a stop portion or portions to limit the upward movement of said post, a portion i^6 connected with said post and arranged in the opening or hole h' in said bridge-piece, and a knob or finger-piece thereon, and a holding or lock catch arranged for holding engagement with a portion of the said lock-post, substantially as and for the purposes set forth.

In testimony that I claim the invention set forth above I have hereunto set my hand this 18th day of July, 1900.

BENNO VOM EIGEN.

Witnesses:
FREDK. C. FRAENTZEL,
G. TROXLER, Jr.