

B. VOM EIGEN.
BAG FRAME FASTENER.
APPLICATION FILED MAR. 23, 1909.

930,594.

Patented Aug. 10, 1909.

2 SHEETS—SHEET 1.

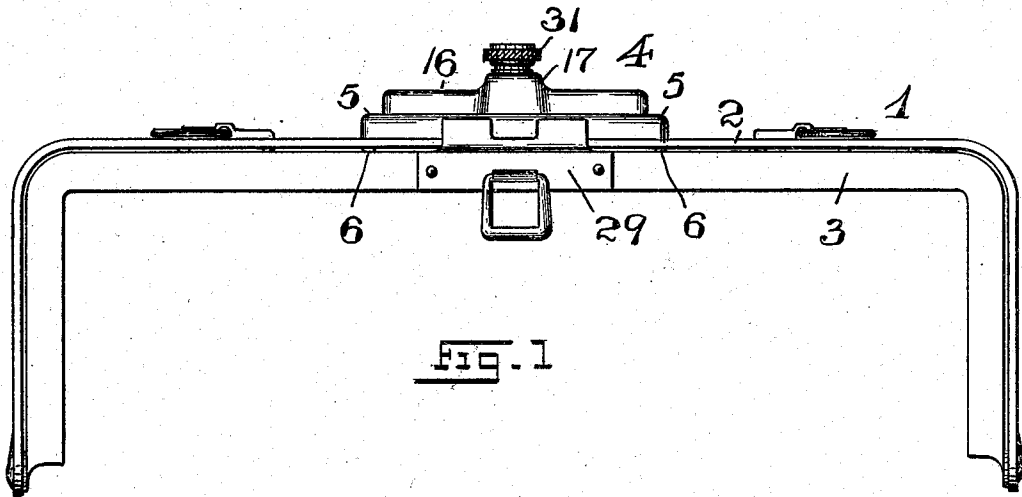


Fig. 1

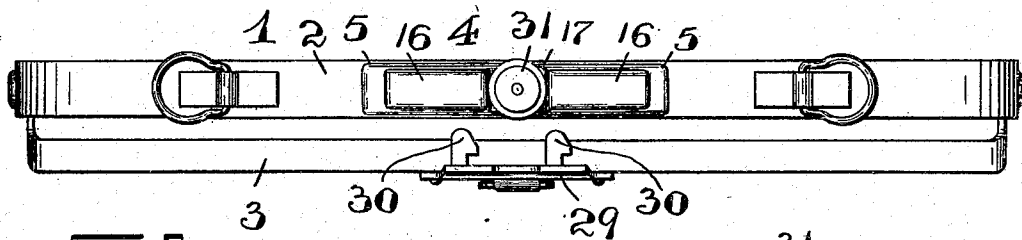


Fig. 2

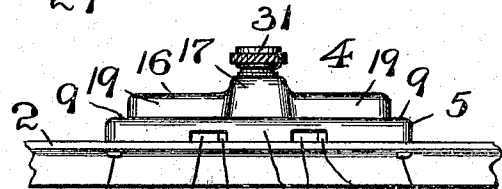


Fig. 3

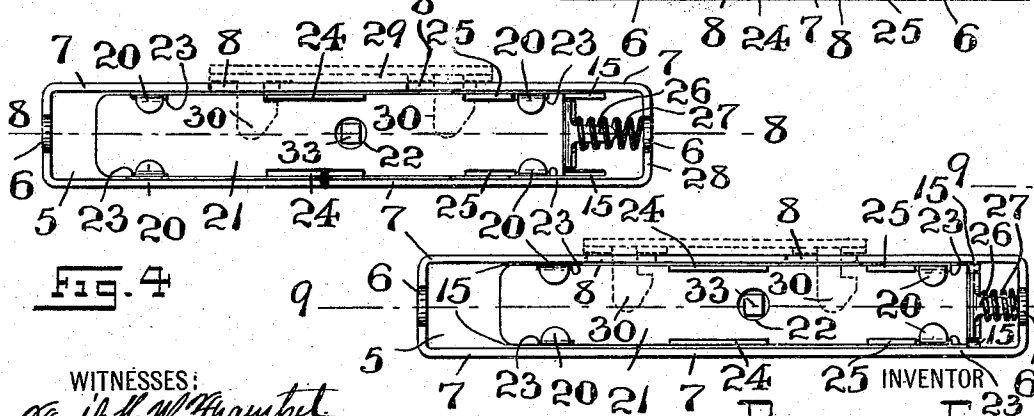


Fig. 4

Fig. 5

WITNESSES:
Fred H. W. Fraentzel
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2 SHEETS—SHEET 2.

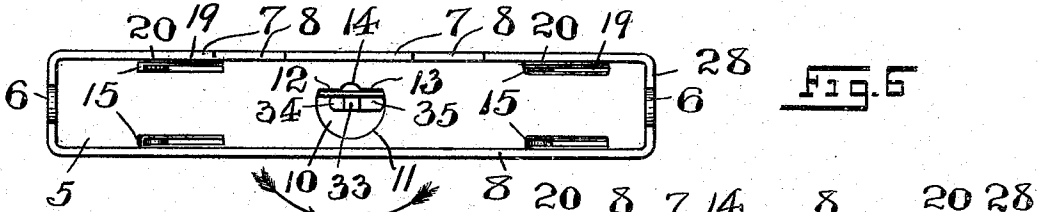


Fig. 5



Fig. 7

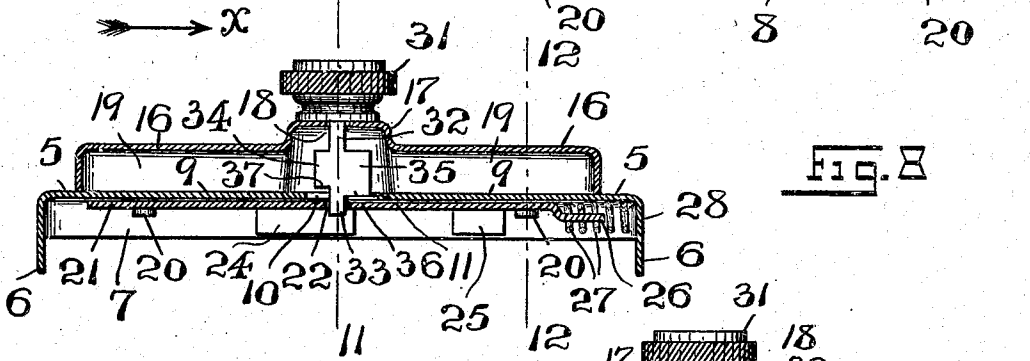


Fig. 8

Fig. 9

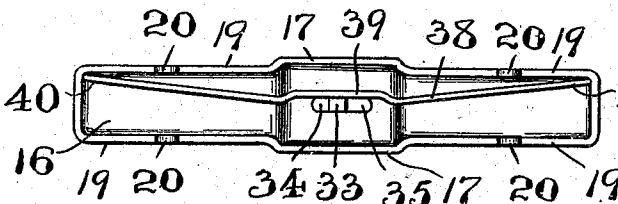
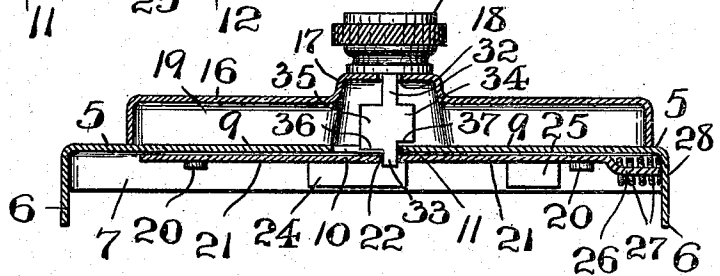


Fig. 10

WITNESSES:

Frank H. W. Fraentzel
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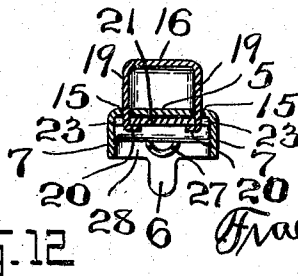


Fig. 12

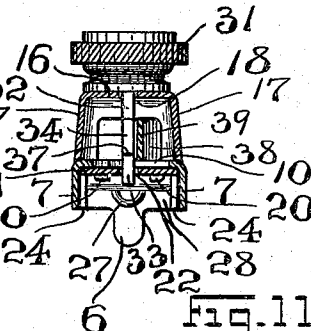


Fig. 11

INVENTOR:

Benno vom Eigen,
BY
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ATTORNEYS.

UNITED STATES PATENT OFFICE.

BENNO VOM EIGEN, OF NEWARK, NEW JERSEY, ASSIGNOR TO AUG. GOERTZ & CO.,
A CORPORATION OF NEW JERSEY.

BAG-FRAME FASTENER.

No. 930,594.

Specification of Letters Patent.

Patented Aug. 10, 1909.

Application filed March 23, 1909. Serial No. 485,337.

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 Bag-Frame Fasteners; 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 characters of reference marked thereon, which form a part of this specification.

This invention has reference, generally, to improvements in fasteners or locks for purse and bag-frames; and, the invention relates, more particularly, to a novel construction of bag-frame fastening or lock of the general character hereinafter set forth, the locking-mechanism of which can be released by the turning of a knob or finger-piece in one direction and can be locked by the turning of the knob in the opposite direction, the turning of the knob in either direction being limited by a stop forming part of the mechanism within the lock-casing with which a locking catch or catches can be brought in separable holding engagement.

My present invention has for its principal object to provide a neat and simply constructed bag-frame fastener or lock of the general character hereinafter more fully set forth, the parts of which have been reduced to a minimum, can be readily arranged in their assembled and operative relations, are easily manipulated for the purpose of disengaging the retaining catch or catches from a slidably disposed latch or catch-engaging plate, and the arrangement of the several parts of the lock being such so that the parts cannot get out of order so as to render the lock inoperative for the purposes for which it is intended.

Other objects of this invention not at this time more particularly enumerated will be clearly understood from the following detailed description of my present invention.

With the various objects of the present invention in view, the same consists, primarily, in the novel bag-frame fastener or lock for purses or bag-frames, and its knob-released and operated catch-engaging and holding mechanism therefor; and, the invention consists, furthermore, in the novel

arrangements and combinations of devices and parts, as well as in the details of the construction of the same, all of which will be hereinafter more fully set forth and then finally embodied in the clauses of the claims which are appended to and which form an essential part of the said specification.

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

Figure 1 is a front view of two pivotally connected bag-frame sections, with a front view of the frame-fastener or lock upon one frame-section and a catch or hasp-plate upon the other frame-section, the parts being represented in their closed and locked engagement; and Fig. 2 is a top view of the various parts represented in said Fig. 1, showing the two frame-sections in a partly opened relation, and illustrating the catch or hasp-plate disengaged and separated from the slidable catch-retaining plate. Fig. 3 is a front view of the bag-frame fastener or lock and a portion of the frame-section upon which it is secured. Fig. 4 is a bottom view of the lock detached from the frame-section, said view being made on an enlarged scale, and showing in connection therewith, and in dotted outline, the catch or hasp-plate in its locked engagement with a catch or hasp-retaining plate within the casing of the lock; and Fig. 5 is a similar view of the same parts, showing the catch or hasp-retaining plate moved away or disengaged from the catches or hasps of said catch or hasp-plate. Fig. 6 is a bottom view of the bag-frame fastener or lock, with the catch or hasp-retaining plate removed, the parts being represented in their normally locked or immovable relation; and Fig. 7 is a similar view of the same parts, but showing the said parts in their unlocked or movable relation. Fig. 8 is a longitudinal vertical section, taken on line 8—8 in said Fig. 4; and Fig. 9 is a similar section, taken on line 9—9 in said Fig. 5, the locking post and its finger-piece being shown in front elevation. Fig. 10 is a bottom view of the upper casing or shell of the bag-frame fastener or lock, with a bottom-end view of the locking post and an edge view of a spring arranged in said casing or shell and in bearing-contact with one of the flat sides of said post. Fig. 11 is a transverse vertical section, taken on line 11—11 in said Fig. 8, looking in the direction of the arrow *x*, the locking post

and its fingerpiece being shown in end elevation; and Fig. 12 is a transverse section, taken on line 12—12 in said Fig. 8, looking in the direction of the arrow *x*.

5 Similar characters of reference are employed in all of the above described views to indicate corresponding parts.

Referring now to the several figures of the drawings, the reference-character 1 indicates a suitable bag-frame comprising a pair
10 of hinged or pivotally connected frame-sections 2 and 3.

The reference-character 4 indicates the bag-frame fastener or lock showing one embodiment of the principles of my present invention, the same comprising a main chambered shell or casing 5 which is open at the bottom and is provided with suitable fastening means, preferably at its ends and preferably
20 in the form of downwardly extending lugs or tongues 6 which are passed through correspondingly formed perforations or openings in the upper portion of the frame-section 2, and are bent over against the under and inner face of said portion of the
25 frame-section to immovably and positively secure the said main casing or shell in its position upon said frame-section 2. In one of its sides, as 7, the said casing or shell 4 is
30 provided, in this instance, with two hasp or holding-catch receiving openings, as 8. In its upper side 9, the said main casing or shell is made with an opening 10 of a peculiar shape, said opening being bounded by an
35 arc-shaped edge-portion 11, which is approximately a little more than a semi-circle, and by the straight edge-portions 12 and 13, and a small arc-shaped edge-portion 14 which is centrally located between the edge-
40 portions 12 and 13, substantially in the manner shown in Figs. 6 and 7 of the drawings. The upper surface 9 of the said main casing or shell 4 is also provided at suitable points
45 near its longitudinal sides with elongated openings or slots 15. Slidably arranged upon the upper side 9 of the said main shell or casing 4 is another shell or casing 16,
50 preferably of the configuration shown, the said shell or casing 16 being provided with a centrally disposed part 17 which is slightly wider and slightly higher than the said shell or casing 16, and is formed in its upper surface with a circular hole or opening 18. Extending
55 downwardly from the lower edges of the sides 19 of the said sliding shell or casing 16 are suitable lugs or tongues 20, said lugs or tongues projecting through the elongated openings or slots 15 in the upper face 9 of the said main shell or casing 4 and
60 being bent over and beneath a hasp or catch-retaining slide-plate 21, said lugs or tongues being arranged in cut-away portions 23 in the longitudinal edges of the plate, for slidably securing said slide-plate 21 within the
65 upper chambered portion of the main shell

or casing 4 and against the inner face of the said main shell or casing 4, as will be clearly understood from an inspection of the several figures of the drawings. The said plate 21 is also provided with a circular hole or open-
70 ing 22, corresponding to the hole or opening 18 in the part 17 of the sliding shell or casing 16, and extending downwardly at right angles, approximately so, from each longitudinal edge of the said plate 21 are suitably
75 formed guide-members or elements 24 and 25 which register with and slide against the inner faces of the longitudinal sides 7 of the said main casing or shell 4, as will be clearly evident from an inspection of Figs. 3, 4 and
80 11 of the drawings, and the said members or elements 24 and 25 extending from the one edge of the said plate 21, under normal conditions having portions thereof located directly
85 back of the hasp or catch-receiving openings 8 in the one side of the said main casing or shell 4, as more clearly illustrated in Fig. 3 of the drawings. Extending from one end-portion of the said plate 21 is a
90 tongue or finger, as 26, upon which is arranged the one end-portion of a coiled spring 27, said spring having its other end bearing upon the inner face of the end 28 of the main casing or shell 4, as clearly represented in
95 Figs. 4, 5, 8 and 9 of the drawings. The purpose of this spring 27 is to normally force the plate 21 and its parts into the position indicated in said Figs. 3, 4 and 8, for
100 engagement with the edge-portions of the members or elements 24 and 25 of suitably formed hook-shaped engaging members 30 of a hasp-plate 29 which is suitably secured to the side of the bag-frame section 3, as will be clearly evident.

Rotatably arranged upon the upper surface of the part 17 of the previously mentioned sliding casing or shell 16 is a knob or fingerpiece 31 with which is suitably connected and extends in a downward direction and into and through the hole or perforation
11 18 in the upper surface of said part 17 the flat shank 32 of a locking post, said post having its lower end-portion 33 extending into and through the hole or opening 10 in the upper face 9 of the main casing or shell
12 4, and rotatably arranged in the hole or perforation 22 of the hasp or catch-retaining plate 21, as clearly shown in said Figs. 9, 10 and 11 of the drawings. The said post is provided between its shank 32 and its lower
13 end-portion 33 with oppositely extending wings or projections 34 and 35, the wing 35 being of greater depth than the wing 34, so that the lower portion 36 of the wing 35 extends into and is movably arranged in the
14 hole or opening 10 of the main casing or shell 4, while the lower portion 37 of the wing or projection 34 is located above said hole or opening 10 and is adapted to be
15 movably arranged above a part of the upper

face 9 of the said main casing or shell 4, as will presently appear. The said post with its projections or wings 34 and 35 is at all times maintained in either of the positions indicated in Figs. 6 to 10 inclusive, by means of a suitably formed flat spring 38, which has its central portion 39 bearing against the faces on one side of said projections or wings 34 and 35 and having its ends 40 bearing against the inner face of one of the sides 7 of the main casing or shell 4, as clearly illustrated in said Fig. 10 of the drawings.

Having thus described the general construction of the various parts of the bag-frame fastener or lock, and having assembled the various parts in the manner illustrated in the several figures of the drawings, suppose the wings or projections 34 and 35 are in the positions represented in said Figs. 6 and 7 of the drawings, and that the hook-shaped members 30 of the hasp or catch-plate 29 have been forced in retaining engagement with the members or elements 24 and 25, in the manner indicated in Fig. 4 of the drawings, then upon endeavoring to slide the casing or shell 16 in the direction of the arrow *x* in said Fig. 8, it will be seen that the marginal edge 11 of the hole or opening 10 acts as a stop against which the lower portion 36 of the wing or projection 35 comes in contact, so that there can be no movement of the said casing or shell 16, and thus the two frame-sections 2 and 3 will be held in their locked and closed relation. However, by first turning the knob or fingerpiece 31 from right to left, the positions of the wings 34 and 35 will become reversed, as indicated in Fig. 9 of the drawings, being held in that position by the action of the flat spring 38. The said wing 35 thereby having been removed from its engagement with the stop formed by said edge 11, the said casing or shell 16 and with it the plate 21 can be moved in the direction of the arrow *x* to the positions shown in said Fig. 9, the members 24 and 25 at the same time being withdrawn from their holding engagement with hook-shaped engaging members 30 of the hasp or catch-plate 29, and the two frame-sections 2 and 3 can be opened or separated. As soon as the knob or fingerpiece is turned from left to right to its normal initial position, so as to return the projections 34 and 35 to their original positions shown in Fig. 8, the compressed coils of the spring 27 simultaneously return the casing or shell 16 to its former position, and with it the said plate 21, so that its elements or members 24 and 25 are once more brought into the holding or retaining engagement with the members 30 of the hasp or catch-plate 29 of the previously closed frame-sections 2 and 3, all of which is evident and will be clearly understood from an inspection of the several figures of the drawings.

From an inspection of Figs. 6 and 7 of the drawings, it will be seen that the knob or fingerpiece 31 and the post with its wings or projections 34 and 35 can be turned on one side of the hole 10 only, in the directions of the arrows *y* and *z*, the straight edge-
portions 12 and 13 acting as stops to prevent the parts being turned too far, and the flat-spring 38 acting with a snap at each half-turn of the post and its wings brings these parts to a complete stop at each turn, so that the parts of the bag-frame fastener or lock will always be in their right positions for holding the two frame-sections in their closed relation or for permitting the said frame-sections to be opened according to the relative positions of the projections or wings 34 and 35 of the knob-operated post.

The operation of the various parts will be clearly understood from the foregoing description and from an inspection of the several figures of the drawings; and it will be seen that I have produced a simply constructed and easily operated bag-fastener or lock, the parts of which have been reduced to a minimum and which can not get out of order.

I am fully aware that changes may be made in the arrangements and combinations of the devices and parts, as well as in the details of the construction of the same without departing from the scope of this invention as described in the foregoing specification and as defined in the claims which are appended to the said specification. Hence I do not limit my invention to the exact arrangements and combinations of the devices and parts as described in the said specification, nor do I confine myself to the exact details of the construction of the said parts as illustrated in the accompanying drawings.

I claim:—

1. A bag-frame fastener comprising a main casing adapted to be secured to a bag-frame section, said casing being provided in one of its sides with hasp-receiving openings, a plate slidably arranged within said casing, and hasp-retaining members extending from said plate, a second casing slidably mounted upon said main casing, an oscillatory post within said second casing, said post having a portion extending upon the outside of said second casing, a fingerpiece upon said post for turning the same, said post having its lower end extending into said main casing and rotatably connected with said slide-plate, and means connected with said post adapted to prevent the sliding movement of said second casing and the slide-plate when the post is in one position, but releasing the said second-casing and slide-plate for movement when the post has been turned into another position.

2. A bag-frame fastener comprising a main casing adapted to be secured to a bag-

frame section, said casing being provided in one of its sides with hasp-receiving openings, a plate slidably arranged within said casing, and hasp-retaining members extending from said plate, a second casing slidably mounted upon said main casing, an oscillatory post within said second casing, said post having a portion extending upon the outside of said second casing, a fingerpiece upon said post for turning the same, said post having its lower end extending into said main casing and rotatably connected with said slide-plate, means connected with said post adapted to prevent the sliding movement of said second casing and the slide-plate when the post is in one position, but releasing the said second casing and slide-plate for movement when the post has been turned into another position, and a spring within said second casing, said spring having a portion bearing against said post.

3. A bag-frame fastener comprising a main casing adapted to be secured to a bag-frame section, said casing being provided in one of its sides with hasp-receiving openings, a plate slidably arranged within said casing, and hasp-retaining members extending from said plate, a second casing slidably mounted upon said main casing, an oscillatory post within said second casing, said post having a portion extending upon the outside of said second casing, a finger-piece upon said post for turning the same, said post having its lower end extending into said main casing and rotatably connected with said slide-plate, means connected with said post adapted to prevent the sliding movement of said second casing and the slide-plate when the post is in one position, but releasing the said second casing and slide-plate for movement when the post has been turned into another position, and means for limiting the oscillatory movements of said post so that it can be turned to one side only.

4. A bag-frame fastener comprising a main casing adapted to be secured to a bag-frame section, said casing being provided in one of its sides with hasp-receiving openings, a plate slidably arranged within said casing, and hasp-retaining members extending from said plate, a second casing slidably mounted upon said main casing, an oscillatory post within said second casing, said post having a portion extending upon the outside of said second casing, a finger-piece upon said post for turning the same, said post having its lower end extending into said main casing and rotatably connected with said slide-plate, means connected with said post adapted to prevent the sliding movement of said second casing and the slide-plate when the post is in one position, but releasing the said second casing and slide-plate for movement when the post has

been turned into another position, a spring within said second casing, said spring having a portion bearing against said post, and means for limiting the oscillatory movements of said post so that it can be turned to one side only.

5. A bag-frame fastener comprising a main casing adapted to be secured to a bag-frame section, said casing being provided in one of its sides with hasp-receiving openings, a plate slidably arranged within said casing, and hasp-retaining members extending from said plate, a second casing slidably mounted upon said main casing, an oscillatory post within said second casing, said post having a portion extending upon the outside of said second casing, a fingerpiece upon said post for turning the same, said post having its lower end extending into said main casing and rotatably connected with said slide-plate, and wings connected with and extending in opposite directions from said post, one of said wings being adapted to prevent the sliding movement of said second casing and the slide-plate when the post is in one position, but releasing the said second casing and slide-plate for movement when the post has been turned into another position.

6. A bag-frame fastener comprising a main casing adapted to be secured to a bag-frame section, said casing being provided in one of its sides with hasp-receiving openings, a plate slidably arranged within said casing, and hasp-retaining members extending from said plate, a second casing slidably mounted upon said main casing, an oscillatory post within said second casing, said post having a portion extending upon the outside of said second casing, a finger-piece upon said post for turning the same, said post having its lower end extending into said main casing and rotatably connected with said slide-plate, and wings connected with and extending in opposite directions from said post, one of said wings being adapted to prevent the sliding movement of said second casing and the slide-plate when the post is in one position, but releasing the said second casing and slide-plate for movement when the post has been turned into another position, and a flat spring within said second casing, said spring having a portion bearing upon said wings.

7. A bag-frame fastener comprising a main casing adapted to be secured to a bag-frame section, said casing being provided in one of its sides with hasp-receiving openings, a plate slidably arranged within said casing, and hasp-retaining members extending from said plate, a second casing slidably mounted upon said main casing, an oscillatory post within said second casing, said post having a portion extending upon the outside of said second casing, a finger-piece upon

said post for turning the same, said post having its lower end extending into said main casing and rotatably connected with said slide-plate, wings connected with and extending in opposite directions from said post, one of said wings being adapted to prevent the sliding movement of said second casing and the slide-plate when the post is in one position, but releasing the said second casing and slide-plate for movement when the post has been turned into another position, and means for limiting the oscillatory movements of said post and its wings so that said wings can be turned to one side only.

8. A bag-frame fastener comprising a main casing adapted to be secured to a bag-frame section, said casing being provided in one of its sides with hasp-receiving openings, a plate slidably arranged within said casing, and hasp-retaining members extending from said plate, a second casing slidably mounted upon said main casing, an oscillatory post within said second casing, said post having a portion extending upon the outside of said second casing, a fingerpiece upon said post for turning the same, said post having its lower end extending into said main casing and rotatably connected with said slide-plate, wings connected with said post, one of said wings being adapted to prevent the sliding movement of said second casing and the slide-plate when the post is in one position, but releasing the said second casing and slide-plate for movement when the post has been turned into another position, a flat spring within said second casing, said spring having a portion bearing upon said wings, and means for limiting the oscillatory movements of said post and its wings so that said wings can be turned to one side only.

9. A bag-frame fastener comprising a main casing adapted to be secured to a bag-frame section, said casing being provided in one of its sides with hasp-receiving openings, and in its upper face with elongated openings, and with an opening in said upper face bounded by a semi-circular edge portion and a connecting straight edge-portion, a plate slidably arranged within said casing, said plate being provided with a circular hole, hasp-retaining members extending from said plate, a projection at one end of said plate, and a coiled spring upon said projection, said spring having an end in engagement with the interior of one of the ends of said main casing, a second casing slidably mounted upon said main casing, said second casing being provided in its upper surface with a circular hole, lugs extending downwardly from the edge-portion of said second casing into and through the elongated openings in the upper face of the main casing, said lugs being bent over and con-

nected with said slide-plate, an oscillatory post within said second casing, said post having a portion extending through the hole in said second casing and upon the outside thereof, a fingerpiece upon said post for turning the same, said post having its lower end extending into said main casing and rotatably connected with the hole in said slide-plate, and wings connected with and extending in opposite directions from said post, one of said wings being of greater depth than the other wing and said wing of greater depth having a portion extending into and movably arranged in the opening in the upper face of the main casing to prevent the sliding movement of said second casing and the slide-plate when the said wing of greater depth is in one position, but releasing the said casing and slide-plate for movement when said wing has been turned into another position.

10. A bag-frame fastener comprising a main casing adapted to be secured to a bag-frame section, said casing being provided in one of its sides with hasp-receiving openings and in its upper face with elongated openings, and with an opening in said upper face bounded by a semi-circular edge-portion and a connecting straight edge-portion, a plate slidably arranged within said casing, said plate being provided with a circular hole, hasp-retaining members extending from said plate, a projection at one end of said plate, and a coiled spring upon said projection, said spring having an end in engagement with the interior of one of the ends of said main casing, a second casing slidably mounted upon said main casing, said second casing being provided in its upper surface with a circular hole, lugs extending downwardly from the edge-portion of said second casing into and through the elongated openings in the upper face of the main casing, said lugs being bent over and connected with said slide-plate, an oscillatory post within said second casing, said post having a portion extending through the hole in said second casing and upon the outside thereof, a fingerpiece upon said post for turning the same, said post having its lower end extending into said main casing and rotatably connected with the hole in said slide-plate, wings connected with and extending in opposite directions from said post, one of said wings being of greater depth than the other wing and said wing of greater depth having a portion extending into and movably arranged in the opening in the upper face of the main casing to prevent the sliding movement of said second casing and the slide-plate when the said wing of greater depth is in one position, but releasing the said casing and slide-plate for movement when said wing has been turned into another position, and a flat spring within said second

casing, said spring having a portion bearing upon said wings.

11. In a bag-frame fastener, the combination with a main casing adapted to be secured to a bag-frame section, of a spring-controlled hasp-retaining plate slidably arranged within said casing, a post rotatably connected with said plate, a fingerpiece upon the upper end-portion of said post, and wings connected with and extending in opposite directions from said post, one of said wings being adapted to prevent the sliding movement of said plate when the post is in one position, but releasing said plate for movement when the plate is in another position.

12. In a bag-frame fastener, the combination with a main casing adapted to be secured to a bag-frame section, of a spring-controlled hasp-retaining plate slidably arranged within said casing, a post rotatably connected with said plate, a fingerpiece upon the upper end-portion of said post, wings connected with and extending in opposite directions from said post, one of said wings being adapted to prevent the sliding movement of said plate when the post is in one position, but releasing said plate for movement when the plate is in another position, and a flat spring in bearing engagement with the sides of said wings.

13. In a bag-frame fastener, the combination with a main casing adapted to be secured to a bag-frame section, of a spring-controlled hasp-retaining plate slidably arranged within said casing, a post rotatably connected with said plate, a fingerpiece upon the upper end-portion of said post, and wings connected with and extending in opposite directions from said post, one of said wings being adapted to prevent the sliding movement of said plate when the post is in one position, but releasing said plate for movement when the plate is in another position, and means for limiting the oscillatory movements of said post and its wings so that said wings can be turned to one side only.

14. In a bag-frame fastener, the combination with a main casing adapted to be secured to a bag-frame section, of a spring-controlled hasp-retaining plate slidably arranged within said casing, a post rotatably connected with said plate, a fingerpiece upon the upper end-portion of said post, wings connected with and extending in opposite directions from said post, one of said wings being adapted to prevent the sliding movement of said plate when the post is in one

position, but releasing said plate for movement when the plate is in another position, and a flat spring in bearing engagement with the sides of said wings, and means for limiting the oscillatory movements of said post and its wings so that said wings can be turned to one side only.

15. In a bag-frame fastener, the combination with a main casing adapted to be secured to a bag-frame section, said casing being provided with an opening bounded by a semi-circular edge-portion and a connecting straight edge-portion, of a spring-controlled hasp-retaining plate slidably arranged within said casing, a post rotatably connected with said plate, a fingerpiece upon the upper end-portion of said post, and wings connected with and extending in opposite directions from said post, one of said wings being of greater depth than the other wing and said wing of greater depth having a portion extending into and movably arranged in the opening in said casing to prevent the sliding movement of said plate when the said wing of greater depth is in one position, but releasing the said plate for movement when said wing has been turned into another position.

16. In a bag-frame fastener, the combination with a main casing adapted to be secured to a bag-frame section, said casing being provided with an opening bounded by a semi-circular edge-portion and a connecting straight edge-portion, of a spring-controlled hasp-retaining plate slidably arranged within said casing, a post rotatably connected with said plate, a fingerpiece upon the upper end-portion of said post, wings connected with and extending in opposite directions from said post, one of said wings being of greater depth than the other wing and said wing of greater depth having a portion extending into and movably arranged in the opening in said casing to prevent the sliding movement of said plate, when the said wing of greater depth is in one position, but releasing the said plate for movement when said wing has been turned into another position, and a flat spring in bearing engagement with the sides of said wings.

In testimony, that I claim the invention set forth above I have hereunto set my hand this 18th day of March, 1909.

BENNO VOM EIGEN.

Witnesses:

FREDK. C. FRAENTZEL,
FREDK. H. W. FRAENTZEL.