No. 740,141. PATENTED SEPT. 29, 1903.

H. F. KEIL.

FASTENING DEVICE.

APPLICATION FILED MAY 28, 1902.

NO MODEL.

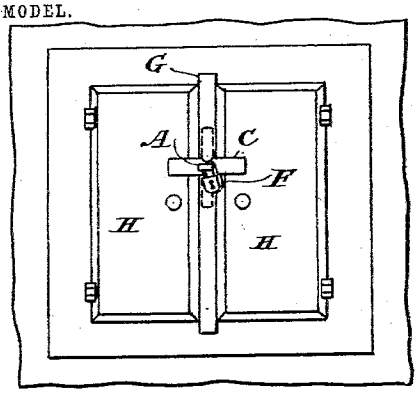


Fig. 1.

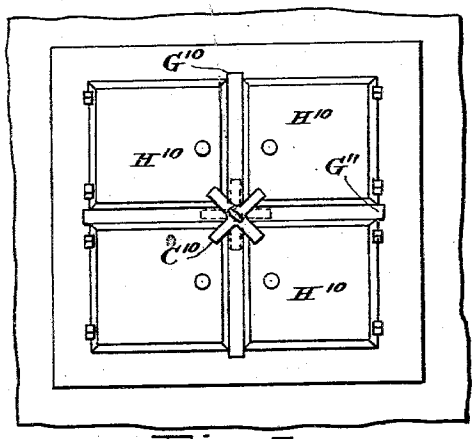


Fig. 7.

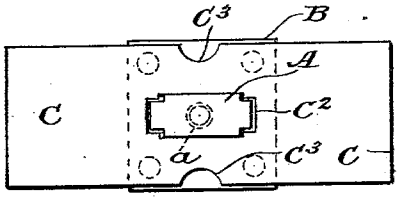


Fig. 2.

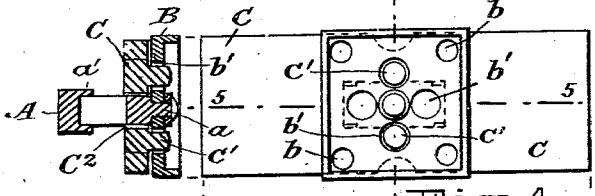


Fig. 6.

Fig. 4.

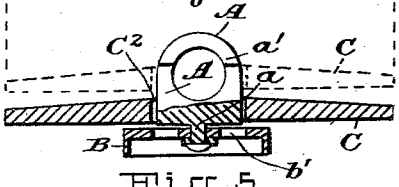


Fig. 5.

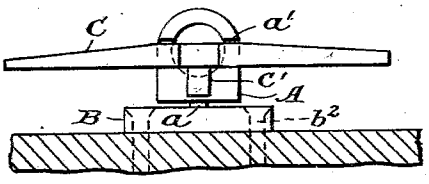


Fig. 10.

Fig. 3.

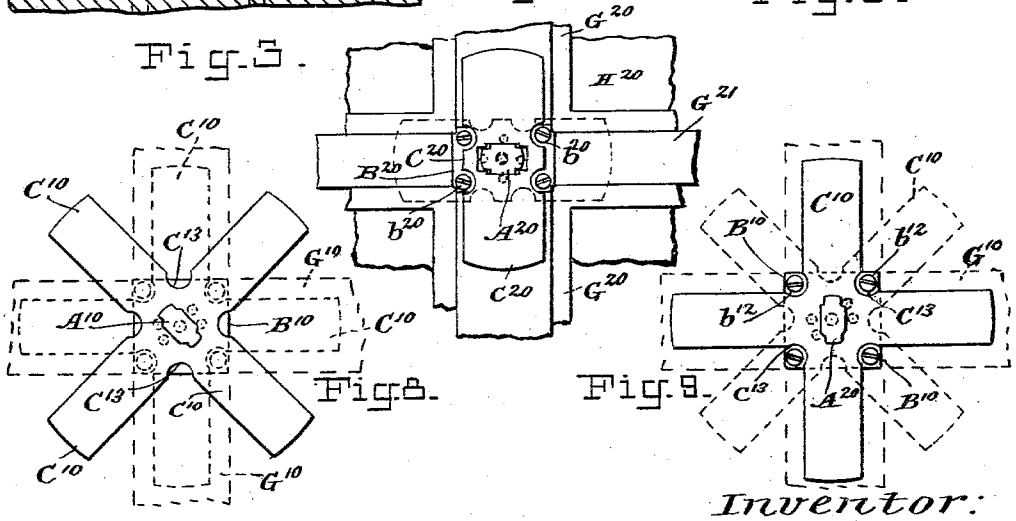


Fig. 8.

Fig. 9.

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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

No. 740,141. Patented September 29, 1903.

UNITED STATES PATENT OFFICE.

HENRY FRANCIS KEIL, OF BRONXVILLE, NEW YORK.

FASTENING DEVICE.

SPECIFICATION forming part of Letters Patent No. 740,141, dated September 29, 1903.

Application filed May 28, 1902. Serial No. 109,288. (No model.)

To all whom it may concern:

Be it known that I, HENRY FRANCIS KEIL, a citizen of the United States of America, and a resident of Bronxville, county of Westchester, and State of New York, have invented a certain new and useful Fastening Device, of which the following is a specification.

This invention relates to means for fastening doors, covers, lids, &c., and in particular to a device combining the functions of a hasp and a staple; and it has for its object the provision of an apparatus of the kind set forth simple in construction, inexpensive to manufacture, and which operates efficiently in practical use.

To attain the desired end, this invention consists in the construction, arrangement, and operation of parts herein set forth.

In order to enable this invention to be fully understood, I will proceed to explain the same by reference to the drawings which accompany and form a part of this specification, in which—

Figure 1 represents a fastening device constructed according to this invention. Fig. 2 is a top or plan view. Fig. 3 is a side elevation, and Fig. 4 is a view of the bottom of the same. Figs. 5 and 6 are sections taken on the lines 5 5 and 6 6, Fig. 4. Figs. 7 and 10 are elevations of other fastening devices constructed according to this invention, and Figs. 8 and 9 are enlarged views of the fastener shown in Fig. 7.

Like letters of reference indicate like parts in all the views.

It has been deemed desirable to produce an appliance consisting of a clasp that passes over a staple and is fastened by a pin or a padlock that may be used in fastening a movable device, as a single door, cover, &c., or a plurality of the same, and that cannot be removed when in use, no matter whether the door is open or closed, and I have therefore constructed according to this invention an apparatus of the class described embodying the preferred construction of parts and their mutual relationship, combination, arrangement, and organization in a composite body or structure, as hereinafter described.

Referring particularly to the drawings, A denotes in the present instance a staple supported in an undetachable but movable relation in any suitable manner by the base-plate B, as by a pin *a*, passing through the latter and riveted over a washer. The staple A consists ordinarily of a loop to hold a hook, pin, or bolt, or the bow of a padlock F, the upper or outer portion of the said staple being provided with projecting means, as the shoulder *a'*.

The base B is provided with orifices *b* to contain screws b^2 or other means of support and also with means to coact with the hasp C, as a series of holes *b'*, constructed and arranged to register with and to be engaged with one or more pins C' of the hasp C when the said hasp is in the proper and required locked and unlocked positions.

The hasp C is engaged with and preferably mounted upon the staple A and is provided with an orifice C^2, sufficiently large to allow the said hasp to be moved along the staple between the base B and the shoulder *a'*, the said shoulder preventing the removal of the said hasp. The hasp is also provided with means to register with the orifices *b*, as, in the present instance, recesses C^3, at such times when the hasp C, carried by the revoluble staple A, is not in a locked or unlocked position, and the pins C' are not inserted in or engaged with the orifices *b'*, but rest upon the face of the base B.

It is manifest that various omissions of some particulars could be made without materially affecting the essential features of this invention or the operation of the remaining parts, and I do not, therefore, wish to be limited to the specific structural details of the organization herein set forth. Obviously the elements of the structure described may be located at an angle to the plane in which they are shown.

In operation the hasp C is lifted from the base until it rests against the shoulder *a'* and then turned with the staple A until the recesses C^3 register with the orifices *b*, in which position the hasp C is preferably located in an unlocked position as regards the door or doors, &c., to be fastened. The base-plate B is then screwed upon the jamb of the door, &c.

In order to fasten the door E in a closed

relation, the hasp is turned so as to lie across the jamb and to cover the edge of the door and the bow of a padlock F inserted in the loop of the staple. To release the door, the padlock is removed and the hasp lifted from its seat and swung around until it lies longitudinally with the jamb, in which position the door may be opened freely. Upon now fastening the padlock to the staple it will be impossible to tamper with the holding-screws, &c., of the fastening device or to remove the same from the jamb, as whenever the bow of the padlock is in the staple, no matter whether the hasp is in a locking or free relation, the fastening means, as the screws b^2, are covered by the said hasp and the hasp is locked in either position by means of the engagement of the pins C′ with the orifices b'.

When applied to a plurality of doors, the fastening device is secured to the jamb G, located between two doors H, and when the hasp C is in line with said jamb the said doors may be opened; but when the hasp C is moved at right angles to its former position and the padlock F inserted in the loop of the staple A it will be found impossible to open either of said doors.

In the fastening device shown in Figs. 7 to 9, inclusive, the hasp C^{10} may be provided with four arms and made with four recesses C^{13} to register with the screw-holes b^{12} of the base B^{10} when the same is in an unlocked relation. Four doors H^{10} may thus be securely locked by means of one fastening device placed at the intersection of the jambs G^{10} and G^{11} when the arms of the hasp are placed diagonally as regards the said jambs, as shown in Figs. 7 and 8. When, however, the four arms of the fastening device register with the two jambs G^{10} and G^{11}, as in Fig. 9, all of the four doors H^{10} may be opened freely.

In Fig. 10 a fastening device is shown having two arms or extensions similar to those of Fig. 1, except that the hasp C^{20} and staple A^{20} of the same are broader to correspond with the wide jamb G^{20}, the base B^{20} being secured to the jamb by screws b^{20}. When the said fastener is placed at the intersection of the wide jamb G^{20} and the narrow jamb G^{21}, it will be seen that as long as the hasp is placed lengthwise of the jamb, as shown in Fig. 10 in full lines, all four doors H^{21} may be opened; but when the hasp is turned so as to register with the narrow jamb G^{21}, as shown in dotted lines in said figure, and locked in that position by a padlock, as described, the edges of the hasp will cover a portion of each of the said doors and will prevent any of the same from being opened.

As it is evident that many changes in the construction, form, proportion, and relative arrangement of parts might be resorted to without departing from the spirit and scope of this invention, I would have it understood that I do not restrict myself to the particular construction and arrangement of parts shown and described, but that such changes and equivalents may be substituted therefor, and that

What I claim as my invention is—

1. A jamb or partition and a door, drawer or analogous movable article in combination with a fastener consisting of a stationary member, constructed and arranged to be attached to the jamb or partition, and a locking-plate or hasp mounted thereon and constructed and arranged to assume two relations, namely an outward position to project over the exterior edge or face of the adjacent door, drawer or analogous article, and also an inward position to lie over the face of the jamb alone, and with means independent of and separable from the fastener to rigidly engage the said locking-plate with the stationary member in either of said relations.

2. A jamb or partition and a door, drawer or analogous movable article, in combination with a fastener consisting of a stationary member, constructed and arranged to be attached to the jamb or partition, and a movable member mounted thereon and constructed and arranged to assume two relations, namely an outward position to project over the exterior edge or face of the adjacent door, drawer or analogous article, and also an inward position to lie over the face of the jamb alone, and with means to fasten the stationary member to the jamb, &c., the said movable member being constructed and arranged to cover the said fastening means when in either of said relations.

3. A jamb or partition and a door, drawer or analogous movable article, in combination with a fastener consisting of a stationary member, constructed and arranged to be attached to the jamb or partition, and a movable member mounted thereon and constructed and arranged to assume two relations, namely an outward position to project over the exterior edge or face of the adjacent door, drawer or analogous article, and also an inward position to lie over the face of the jamb alone, and with means to lock the said movable part to the stationary member in either relation, and also with means to fasten the stationary member to the jamb, &c., the said movable member being constructed and arranged to cover the said fastening means when in either of said relations.

4. In a fastener, a base-plate, a staple secured thereto and sustained thereby in a movable relation, and a locking-plate or hasp working in a plane horizontal to the base-plate and carried by said staple in an undetachable relation.

5. In a fastener, a base-plate, a staple sustained thereby in a movable relation, and a locking-plate or hasp carried by said staple and movable toward and away from the base-plate while in a plane parallel therewith and locking means to hold the hasp against the base-plate.

6. In a fastener, a base-plate, a staple sustained thereby in a movable relation and provided with enlarged or projecting means at or near the extremity thereof, and a locking-plate or hasp carried by and movable along said staple between the projecting means and base-plate, and means to engage the locking-plate with the base-plate, and also means to hold the locking-plate at a distance from the base-plate.

7. In a fastener, a base-plate, fastening means therefor, a staple sustained by said base-plate in a movable relation, and a locking-plate or hasp carried by said staple and movable toward and away from the base-plate and provided with means to register with said fastening means, and also means to hold the hasp against the base-plate.

8. In a fastener, a base-plate, fastening means therefor, a staple sustained by said base-plate in a movable relation, and a locking-plate or hasp carried by the staple and constructed and arranged to cover the said fastening means when in a position to be held to the base-plate in a locked or unlocked relation, and also a padlock to hold the hasp against the said base-plate.

9. In a fastener, a base-plate, fastening means therefor, a staple sustained by said base-plate in a horizontally-movable relation, and a locking-plate or hasp carried by the staple and constructed and arranged to cover the said fastening means when held thereto in a locked or unlocked relation, and also means to hold the hasp against the base-plate.

10. In a fastener, a base-plate, securing means therefor to attach the said base-plate to a door-frame, &c., a locking-plate or hasp movably mounted on the base-plate and sustained thereby, and constructed and arranged to be rigidly secured thereto and to cover the said base-plate-securing means when in a position to be so rigidly held thereto.

11. In a fastener, a base-plate, a locking-plate or hasp movably mounted thereon and sustained thereby and constructed and arranged to be held at a distance from the same in a certain position or to be engaged therewith when in another position, and means to rigidly lock the hasp to the base-plate when the hasp is in a position to be engaged therewith.

12. In a fastener, a base-plate, fastening means therefor, a locking-plate or hasp movably mounted on said base-plate and constructed and arranged to cover the said fastening means when the hasp is in a position to be held to the base-plate, and means to lock the hasp to the base-plate when in a certain position and also means to hold the hasp at a distance from the base-plate when in another position.

13. A fastening device, a support therefor, constructed and arranged to be secured to the exterior face of the jamb or partition of a door, drawer or analogous movable article, said fastening device consisting of a locking-plate or hasp in combination with a padlock bow or bolt independent of and separable from the fastener, to rigidly engage the said hasp with its support in an immovable relation either in an inward position lengthwise of the jamb, &c., or in an outward position crosswise of the same in order to thus project over a portion of the face of the said door, &c.

14. A fastening device, and a support therefor, constructed and arranged to be secured to the exterior face of a jamb or partition between a plurality of doors, drawers or analogous movable articles, said fastening device consisting of a hasp or locking-plate provided with a plurality of arms or extensions, in combination with means to rigidly secure the said hasp to its support in an undetachable relation either in an inward position lengthwise of the jamb, &c., or in an outward position crosswise of the same in order for said arms to thus project over a portion of the face of said door, &c.

15. A fastening device, and a support therefor, constructed and arranged to be secured to the exterior face of the jamb or partition of a door, drawer or analogous movable article and provided with recessed engaging means, said fastening device consisting of a hasp or locking-plate provided with projecting means to register and coact with the recessed engaging means of the support, in combination with means to rigidly hold the said hasp to its support in an undetachable relation either in an inward position lengthwise of the jamb or partition or else in an outward position crosswise of the same in order to project over a portion of said door, &c.

16. A fastening device, and a support therefor, constructed and arranged to be secured to the exterior face of a jamb or partition between a plurality of doors, drawers, or analogous movable articles and provided with recessed engaging means, said fastening device consisting of a hasp or locking-plate provided with projecting means to register and coact with the recessed engaging means of the support, and also provided with a plurality of arms and extensions, in combination with means to rigidly hold the said hasp to its support in an undetachable relation either in an inward position lengthwise of the jamb, &c., or else in an outward position crosswise of the same, in order for said arms to thus project over a portion of said door, &c.

17. In a fastener, a base-plate provided with an orifice, a staple sustained thereby in a movable relation and provided with enlarged or projecting means at or near the extremity thereof, and a locking-plate or hasp carried by and movable along the said staple between the projecting means and the base-plate, the said hasp being provided with a

pin to register with and enter the same orifice when the hasp is in a certain position, the said pin being constructed and arranged not to register with the said orifice when the hasp is in another position.

In testimony of the foregoing specification I do hereby sign the same, in the city of New York, county and State of New York, this 7th day of May, A. D. 1902.

HENRY FRANCIS KEIL.

Witnesses:
HENRY H. BAMMANN,
CHAS. H. J. DILG.