

No. 876,831.

PATENTED JAN. 14, 1908.

S. OLSON.
DOOR FASTENER.
APPLICATION FILED AUG. 1, 1907.

2 SHEETS—SHEET 1.

Fig. 1.

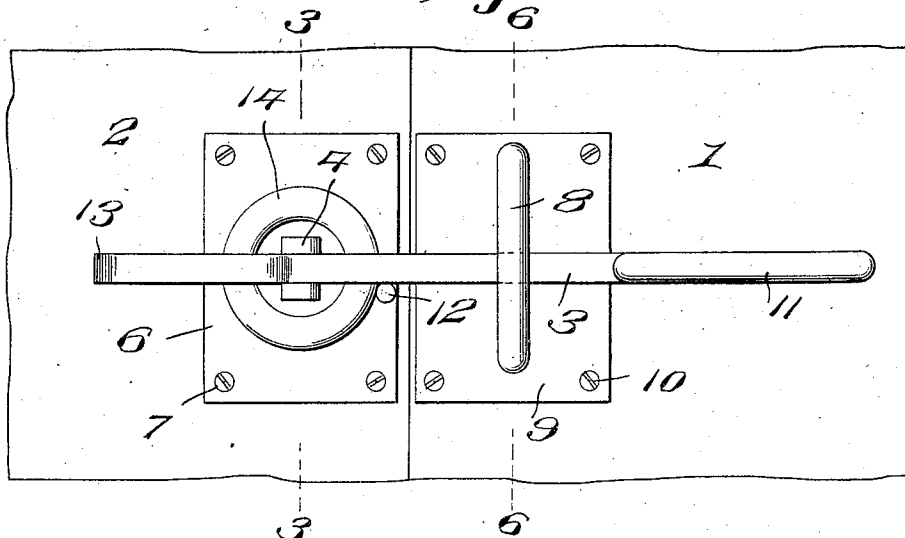


Fig. 2.

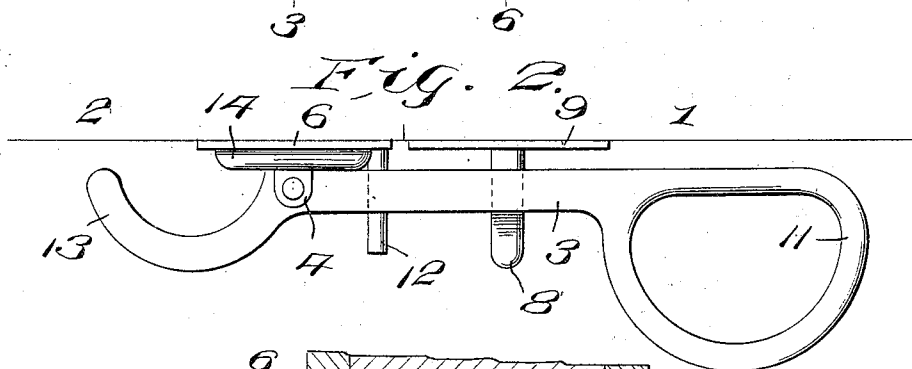
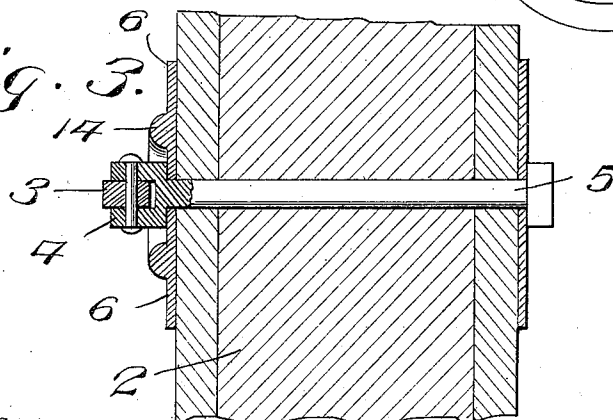


Fig. 3.



WITNESSES:

Thomas Perry
Sw. & Trial

INVENTOR

S. Olson

BY

W. J. FitzGerald
Attorneys

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2 SHEETS—SHEET 2.

Fig. 4.

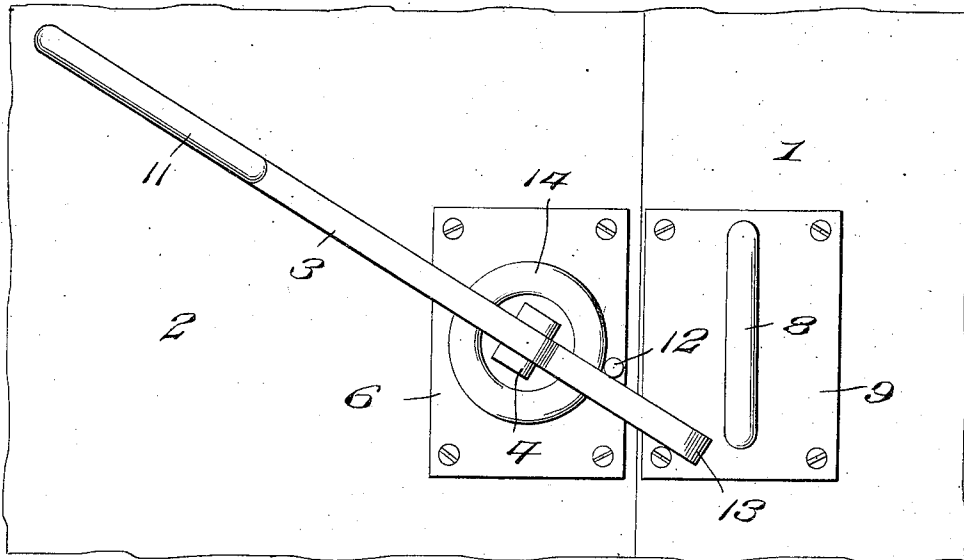


Fig. 5.

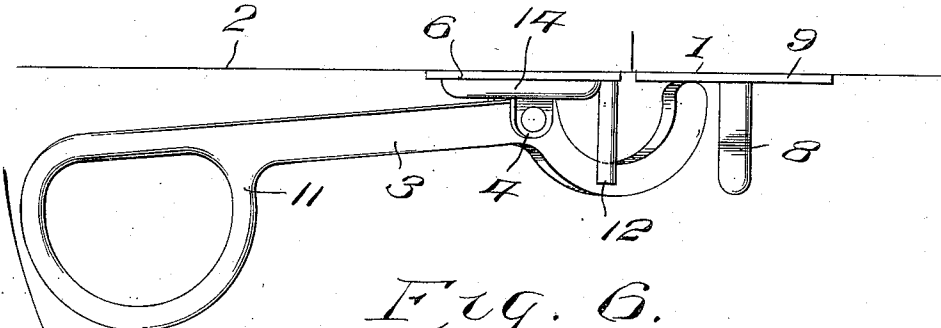
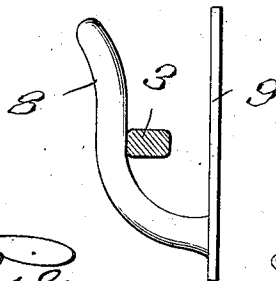


Fig. 6.



WITNESSES:

Thomas Wiley
S. J. F. Smith

BY

W. J. FitzGerald & Co.
Attorneys

INVENTOR

S. Olson

UNITED STATES PATENT OFFICE.

SALVE OLSON, OF WALWORTH, WISCONSIN.

DOOR-FASTENER.

No. 876,831.

Specification of Letters Patent.

Patented Jan. 14, 1908.

Application filed August 1, 1907. Serial No. 386,547.

To all whom it may concern:

Be it known that I, SALVE OLSON, a citizen of the United States, residing at Walworth, in the county of Walworth and State of Wisconsin, have invented certain new and useful Improvements in Door-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.

My invention relates to new and useful improvements in door fasteners and more particularly to that class adapted to be used in connection with refrigerators, or similar devices and my object is to provide a fastener of this class, whereby a door will be positively secured in its closed position and a further object is to so construct the fastener that the same may be used as a lever for opening the door.

Other objects and advantages will be hereinafter referred to and more particularly pointed out in the claims.

In the accompanying drawings which are made a part of this application, Figure 1 is a plan view of a section of refrigerator and door therefor, showing my improved fastening device in a locked position thereon. Fig. 2 is a top plan view of the lock in its closed position. Fig. 3 is a detail, sectional view as seen on line 3—3, Fig. 1. Fig. 4 is an elevation, showing the fastener in position to be used as a lever for opening a door. Fig. 5 is a top plan view thereof, and, Fig. 6 is a detail, sectional view as seen on line 6—6, Fig. 1.

Referring to the drawings in which similar reference numerals designate corresponding parts throughout the several views, 1 indicates the wall of the refrigerator, which may be constructed in any preferred manner and 2 indicates a door therefor.

In order to positively hold the door in a closed position, I provide my improved form of fastener, which consists of a bar 3, which is pivotally secured between ears 4 on the end of a bolt 5, said bolt extending through the walls of the door 2 and through a swivel plate 6, said swivel plate being in turn secured to the door 2 in any preferred manner, as by means of screws 7. The bar 3 is of sufficient length to extend beyond the edge of the door 2 and engage a keeper 8, said keeper being carried by an anchor plate 9,

which is in turn secured to the wall 1 of the refrigerator by means of screws, or the like 10. The bar 3 is extended beyond the keeper 8 and is provided with a handle 11, so that the bar may be readily grasped and operated.

In operating the fastener, the bolt 5 is adapted to swivel in its opening and when the door is to be secured in its closed position, the bar 3 is moved downwardly, and by curving the upper, free end of the keeper 8, the bar will be readily guided into engagement therewith and, as the bar is lowered into the keeper, the door will be moved inwardly until it fits perfectly tight in the opening in the wall 1, owing to the inclined, inner face of the keeper 8. The inclination of the keeper 8 is such that the door will be tightly closed when the bar 3 is in a horizontal position, and, to prevent the bar from descending below this position, a stop pin 12 is fixed to the plate 6 and in the path of the bar.

It frequently happens that doors swell to such an extent as to cause them to bind when they are tightly closed, thus occasioning a great deal of time and labor to open the same and, to this end, I provide means for employing the bar 3 as a lever to open the door, consisting in extending the bar beyond the ears 4, and providing a curved terminal 13 and, in applying the same to use, the bar 3 is swung away from the keeper 8 and to the left of a vertical plane, or until the curved terminal 13 engages the stop pin 12, in which position the free end of the curved terminal will rest over a portion of the plate 9, when, by giving an outward pull on the handle 11, the bar 3 will pivot between the ears 4 and engage the free end of the curved terminal with the plate 9, when, by giving a continuous pull upon the handle, a leverage is formed at the end of the curved terminal, and an outward pull given to the bolt 5, thereby causing the door to readily open.

The bar 3 is prevented from moving inwardly against the face of the door 2, by forming a circular rib 14 on the plate 6 and around the projecting end of the bolt 5, the height of the rib being such as to hold the bar 3 parallel with the outer face of the door and wall of the refrigerator.

It will thus be seen that I have provided a very cheap and economical device for positively closing and securing the door in its closed position and it will also be seen that

parts of the device may be employed as a lever for opening the door and, while I have shown the fastener as applied to use upon a single door, it will be readily understood that
5 the same may be employed for securing the meeting edges of two doors together.

What I claim is:

1. In a fastener of the class described, the combination with a wall and a door therefor;
10 of a bar, a bolt extending through said door, ears at the outer end of said bolt, between which said bar is pivoted, a handle at one end of said bar, a keeper, a plate carrying said
15 keeper, said plate being secured to the wall and a stop pin adapted to limit the downward movement of the bar.

2. In a fastener of the class described, the combination with a wall and a door therefor;
20 of a bar, a bolt extending through said door, ears at the outer end of said bolt, between which said bar is pivotally mounted, a swivel plate between said ears and door, a rib on said plate, a stop pin adapted to limit the downward movement of said bar, a keeper

secured to said wall, adapted to be engaged
25 by said bar, and a handle on said bar.

3. In a fastener of the class described, the combination with a wall and a door therefor;
of a bolt extending through said door, ears at
30 the outer end of said bolt, a bar pivotally secured between said ears, a handle at one end of said bar, a keeper on said wall adapted to be engaged by said bar, said keeper having
an inclined, inner face, whereby the bar and
35 the door, in which the same is secured, will be moved inwardly and a curved terminal at the
opposite end of said bar, adapted to be swung
into engagement with the wall and form a
40 leverage for the bar, when an outward pull is made on the handle, thereby opening said
door.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

SALVE OLSON.

Witnesses:

H. S. PARTRIDGE,
O. C. BRANDENBURG.