

(No Model.)

J. W. SAMMIS.  
BOLT.

No. 526,266.

Patented Sept. 18, 1894.

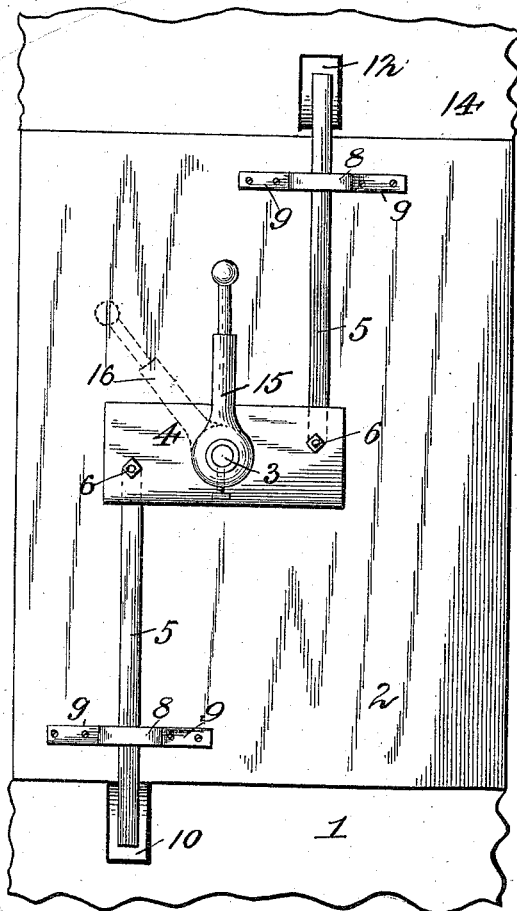


Fig. 1.

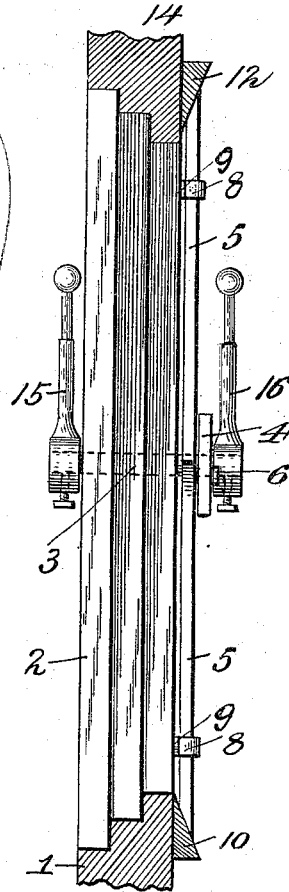


Fig. 2.

WITNESSES:

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# UNITED STATES PATENT OFFICE.

JOHN WESLEY SAMMIS, OF DOVER, NEW JERSEY.

## BOLT.

SPECIFICATION forming part of Letters Patent No. 526,266, dated September 18, 1894.

Application filed March 28, 1894. Serial No. 505,425. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN WESLEY SAMMIS, a citizen of the United States, and a resident of Dover, in the county of Morris and State of New Jersey, have invented certain new and useful Improvements in Bolts; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to improvements in means for tightly closing and securing heavy doors, such for instance as the doors of large refrigerators and ice boxes.

As is well known to those familiar with the working of heavy doors for refrigerators and other like objects, that owing to the sagging or warping of the same, it is extremely difficult to properly and tightly close the doors.

My invention is intended to obviate the above objections and provide improved means by which said doors may be easily and tightly closed, and it consists in the novel construction and combination of parts hereinafter fully described and claimed.

In the accompanying drawings: Figure 1 is an elevation of a door of a refrigerator or other like object looking from the rear or inside. Fig. 2 is a vertical cross sectional view of the same.

In the said drawings, the reference numeral 1 designates the sill of the refrigerator, or other object, or receptacle, and 2 the door thereof.

Passing through the door is a shaft 3, to the inner end of which is secured a metal plate 4. To the ends of this plate, at opposite sides of the shaft are pivoted upwardly and downwardly extending bolts 5. The pins 6 upon which said bolts are pivoted pass through holes or apertures therein which are somewhat larger than the said pivots so as to allow the bolts to have a slight play thereon. The free ends of these bolts pass through and work in guides 8, near the upper and lower ends of the door, consisting of metal bars or plates having their ends bent to form arms 9 through which pass screw-bolts or other fastening devices for securing the same to the door. The

free ends of said bolts 5 are beveled, as seen in Fig. 2, forming wedge-shaped terminals which are adapted to engage with counter wedges 10 and 12, secured respectively to the lower and upper sills 1 and 14 of the door. The lower counter wedge 10 it will be seen is flush with the upper surface of the lower sill 13 while the upper wedge is located a short distance above the lower edge of the upper sill 14. The object of thus arranging the said counter wedges is to allow the lower bolt to take the lift of the door before the upper bolt contacts with the upper wedge, thus preventing the upper wedge from striking or engaging with the upper counter wedge until the lower bolt has attained its proper position.

Secured to the outer end of the shaft 3, is an operating lever 15, and to the inner end of said shaft is secured at an acute angle to lever 15, a lever 16, which serves as a balance therefor.

The operation will be readily understood. The door is closed in the usual manner, by pushing it inwardly as far as possible. The lever or handle 15 is then rotated causing the wedge of the lower bolt to engage with the lower counter wedge which will have the effect of lifting the door to compensate for sagging and forcing it still farther inward. The upper bolt will then engage with the upper counter wedge thereby causing the door to be tightly closed and secured.

Having thus described my invention, what I claim is—

In a refrigerator or other receptacle or object, the combination with the door casing having a wedge secured to the lower sill and flush with the upper side thereof, and a wedge secured to the upper sill a short distance above its lower side, of the vertically operating bolts, having their free ends beveled to form wedges adapted to engage with the wedges secured to said sills, substantially in the manner shown and described.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

JOHN WESLEY SAMMIS.

Witnesses:

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CORNELIUS B. GAGE.