

(No Model.)

A. C. JOHNSON.
HINGE.

No. 510,864.

Patented Dec. 12, 1893.

Fig. 1.

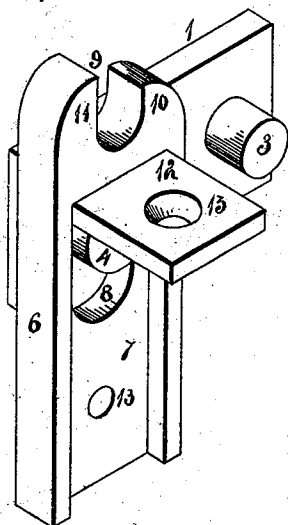


Fig. 2.

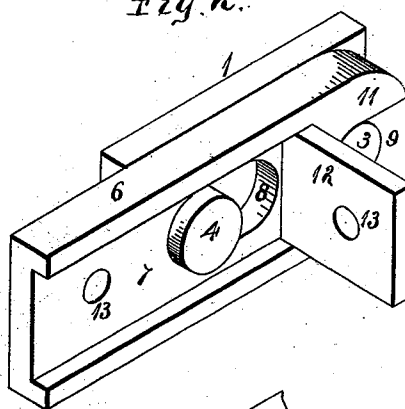


Fig. 3.

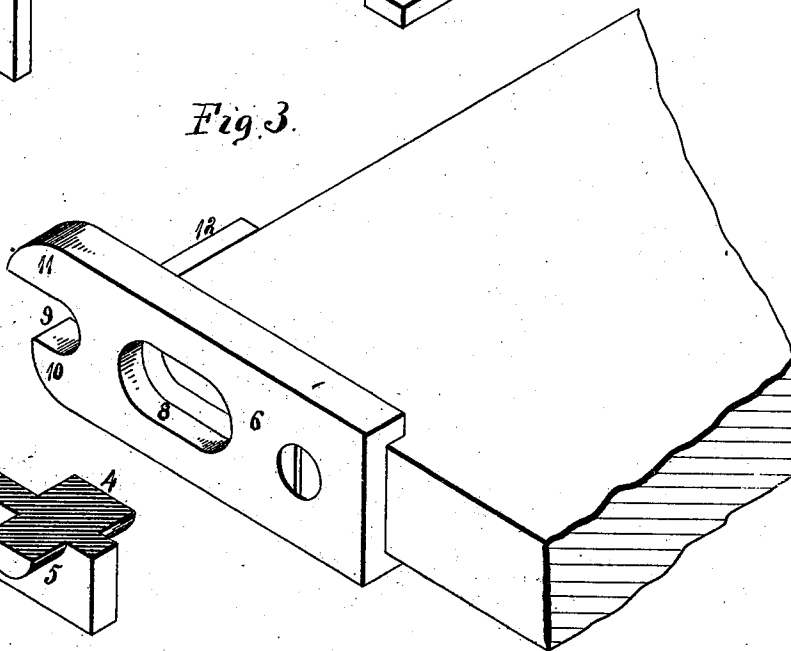
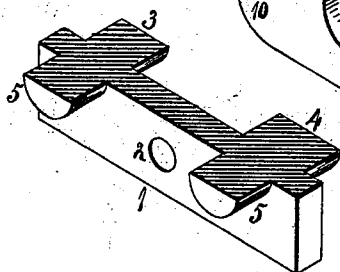


Fig. 4.



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UNITED STATES PATENT OFFICE.

ANDREW C. JOHNSON, OF ROCKFORD, ILLINOIS, ASSIGNOR TO THE FOREST CITY FURNITURE COMPANY, OF SAME PLACE.

HINGE.

SPECIFICATION forming part of Letters Patent No. 510,864, dated December 12, 1893.

Application filed February 18, 1893. Serial No. 462,810. (No model.)

To all whom it may concern:

Be it known that I, ANDREW C. JOHNSON, a citizen of the United States, residing at Rockford, county of Winnebago, and State of Illinois, have invented certain new and useful Improvements in Hinges, of which the following is a specification.

The object of this invention is to construct a hinge for use in various positions, one of its parts being made adjustable in such a manner as to lock it in its engagement with the other part, thereby forming a support for the shelf or other article having a connection with the movable portion.

In the accompanying drawings:—Figure 1, is an isometrical representation of my improved hinge. Fig. 2, is an isometrical representation of my hinge in which the parts are in their locked position. Fig. 3, is an isometrical representation of the movable portion of the hinge and its connection with the end of a shelf. Fig. 4, is an isometrical section through the stationary portion of the hinge.

My improved hinge consists of a stationary portion which is secured to the stationary portion of the article of furniture and a movable portion connected to the shelf or other part of the furniture. The stationary portion consists of a base plate 1, having holes 2, through which screws are inserted to hold it in position. From its face side project two studs or pins 3 and 4, and from its rear face extend studs 5. The movable portion consists of a base 6, having one face provided with a recess 7. An elongated opening 8, is cut through the bottom of the recess. The end of the base is provided with a slot 9, the fork 10, being shorter than the fork 11. An arm 12, extends from the base, and it and the base are provided with holes 13, through which screws are passed to secure it to the woodwork. The stationary portion is secured in place by the studs 5, entering holes in the woodwork, and screws passing through the holes 2. The movable portion is secured to the shelf or other woodwork by its edge being seated in the recess 7, and screws passing through the opening 13, firmly clamp the parts together. The stud 4, enters the elongated opening 8, as shown at Figs. 1 and 2.

In use, a simple hinge is formed when the

parts occupy the position shown at Fig. 1, that is, the movable portion is supported upon the stud 4. In raising the movable part to a horizontal position the fork 10, will pass by the stud 3, until the fork 11 being longer than the other will strike against the stud limiting the further movement of the movable portion. The movable portion is then moved upon the stud 4, the length of the opening 8, and the prongs will receive the stud 3, as shown at Fig. 2, when the movable portion will be held in a horizontal position, the studs 3 and 4 forming its support. By withdrawing the movable portion it will become disengaged from the stud 3, and is free to move on its pivotal connection with the stud 4. When the stationary portion is in position the stud 5, will bear the weight of the movable portion and the article of furniture attached thereto, the screws only serving to hold it in position.

The hinge may be used in supporting a drop leaf, in forming the connection between the legs of a folding bed and the bed proper, and in various positions while the parts are shown as assuming a horizontal position when locked together. When used as a support for the legs of a folding bed they would assume a vertical position. I therefore do not limit myself to the parts forming any particular connections of furniture.

I claim as my invention—

1. A hinge consisting of two portions, the one provided with studs and the other provided with an elongated opening and a slotted end, the studs of one being adapted for engagement with the opening and slot of the other.

2. A hinge consisting of two portions, the one provided with studs extending from each face, and the other provided with an elongated opening, a slotted end and an outwardly extending arm, the studs extending from one face adapted for engagement with the opening and slotted end of the other, the remaining studs adapted to enter holes in the woodwork.

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Witnesses:

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