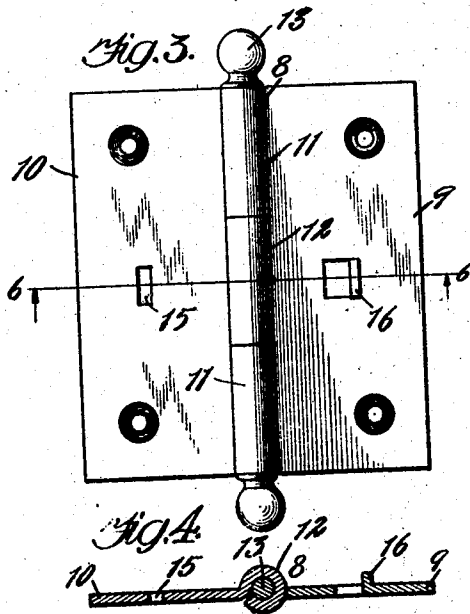
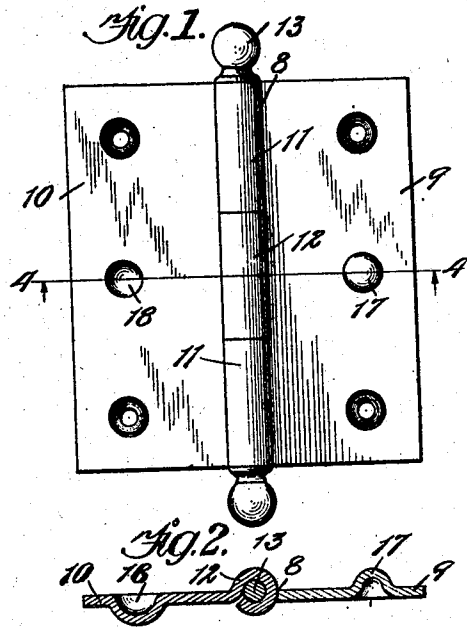


J. MAGNUSEN.
HINGE.
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Patented Dec. 1, 1908.

905,201.



Witnesses:
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UNITED STATES PATENT OFFICE.

JAMES MAGNUSEN, OF CHICAGO, ILLINOIS.

HINGE.

No. 905,201.

Specification of Letters Patent.

Patented Dec. 1, 1908.

Application filed October 14, 1907. Serial No. 397,252.

To all whom it may concern:

Be it known that I, JAMES MAGNUSEN, a citizen of the United States of America, and resident of Chicago, Cook county, Illinois, have invented a certain new and useful Improvement in Hinges, of which the following is a specification.

My invention relates to improvements in hinges, and has for its object the production of a device whereby a closed door cannot be removed by withdrawing the pins from the hinges.

A further object is the production of a device that will furnish a positive lock, and prevent lateral movement of the leaves of the hinge when in closed position.

A further object is the production of a device that may be cheaply constructed.

These objects are attained by my device, embodiments of which are illustrated in the accompanying drawings, in which—

Figure 1 represents a plan view of my device. Fig. 2 represents a sectional view on the line 4—4 of Fig. 1. Fig. 3 represents a plan view of a modification of my device. Fig. 4 represents a sectional view on the line 6—6 of Fig. 3.

Like letters of reference indicate like parts in the several figures of the drawings.

Referring now to the drawings, 8 represents a butt or hinge comprising leaves 9—10.

11—12 represent ordinary apertured knuckles on the leaves; a pin 13 passes through the openings in the knuckles, holding the leaves in operative relation one with the other. The inner face of the leaf 9 is provided with an inwardly projecting ear or lug 16, adapted to fit within an opening 15 in the opposite leaf. This opening is made slightly larger than the projection in order that the ear 16 may readily enter therein when the hinge is closed. This ear is preferably a portion of the hinge itself punched out and turned at right angles to the hinge.

In Figs. 3 and 4, the projecting portion 17, on the leaf 9, is formed by pressing a portion of the hinge itself inwardly while a corresponding depression 18 is formed in the opposite leaf, the projecting portion 17 fitting closely within the indentation 18 of the opposite leaf when the hinge is closed.

When the hinge is of the ordinary type, a locked door may be readily forced from the inside by withdrawing the pins from the hinges and prying the door inwardly. The

lock on the door does not serve to hold the door in place against a movement of this kind, as it is only necessary to swing the door inwardly a distance of an inch or so on a radius of a circle, with the lock as a center. There is always sufficient play in locks to permit this being done. The bolt may then be pulled out of the lock and an entrance effected to the room or cabinet. By the use of my improved device, however, the moment the door is closed, the inwardly projecting portion on one leaf of the hinge fits within the opening or depression in the other leaf, preventing lateral displacement of the members when the pin is removed. Of course, this presupposes the fact that the doors fit closely within the casing. This is almost invariably the case, so it is fairly safe to say that my device will, in nearly every case, prevent the opening of doors when the hinge pins are removed.

The construction of my device is extremely simple. Projections may be formed on one leaf and a hole punched through the other, adapted to register one with the other when the leaves are in closed position. The projection may be formed integral with the leaf itself by punching out three sides of the piece and turning an ear inwardly, as shown in Fig. 5; or, as shown in Fig. 4, a portion of one of the leaves may be pressed inwardly forming a protuberance, adapted to fit within a corresponding indentation formed in the opposite leaf.

It will thus be seen that the hinge may be cheaply manufactured, and at the same time be practically irremovable when the door is closed. The device is especially applicable to box cases, cupboards, wardrobes, etc., as well as doors communicating between apartments.

I claim:

As a new article of manufacture, a hinge comprising a pair of knuckled leaf members, a pin adapted to secure said members together, an ear punched from and extending inwardly from the face of one of said leaves, and adapted to enter within an opening formed in the opposite leaf.

Signed by me at Chicago, Cook county, Illinois this 12th day of October, 1907.

JAMES MAGNUSEN.

Witnesses:

ALBERT J. SAUSER,
S. LEWIS.