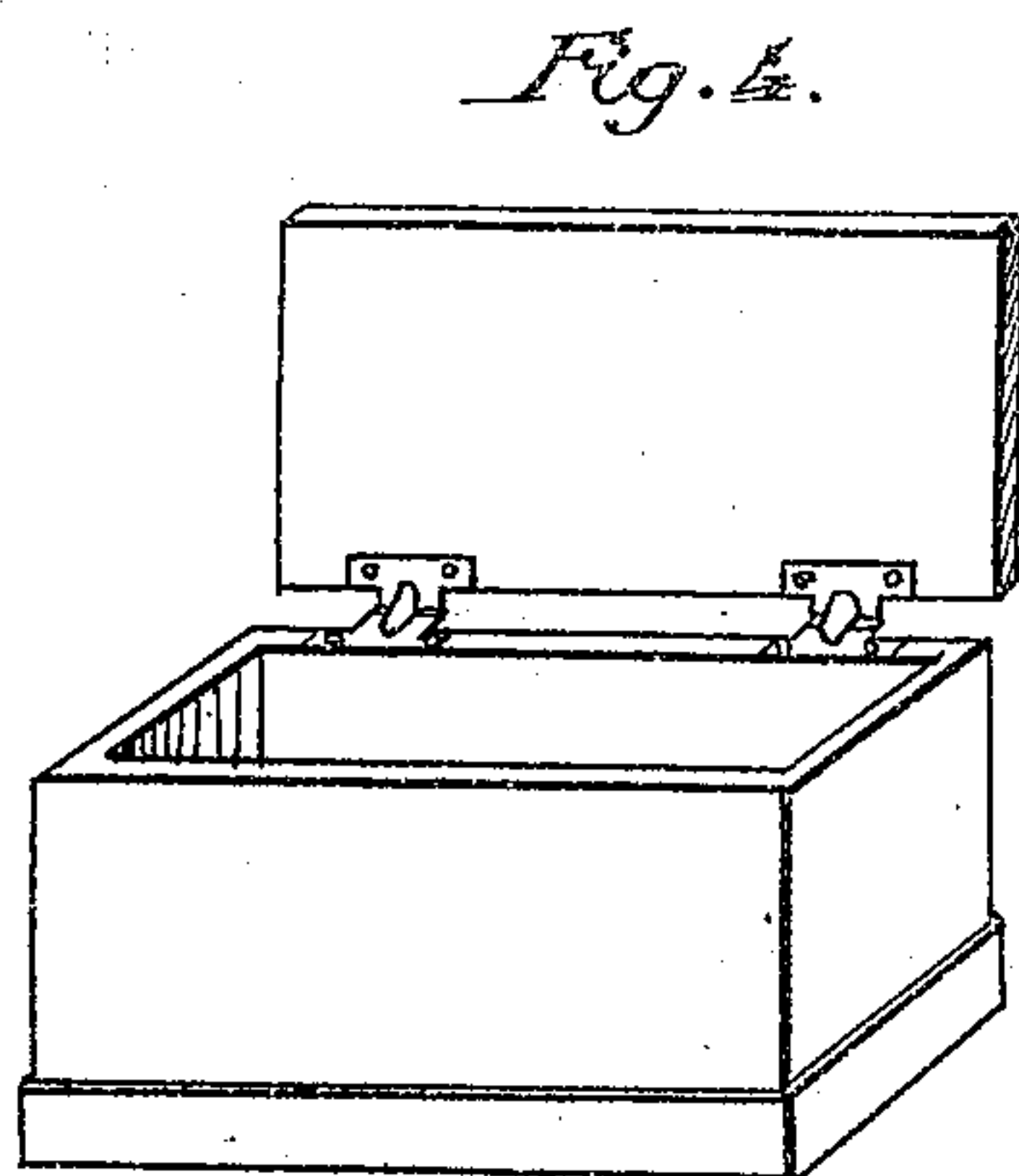
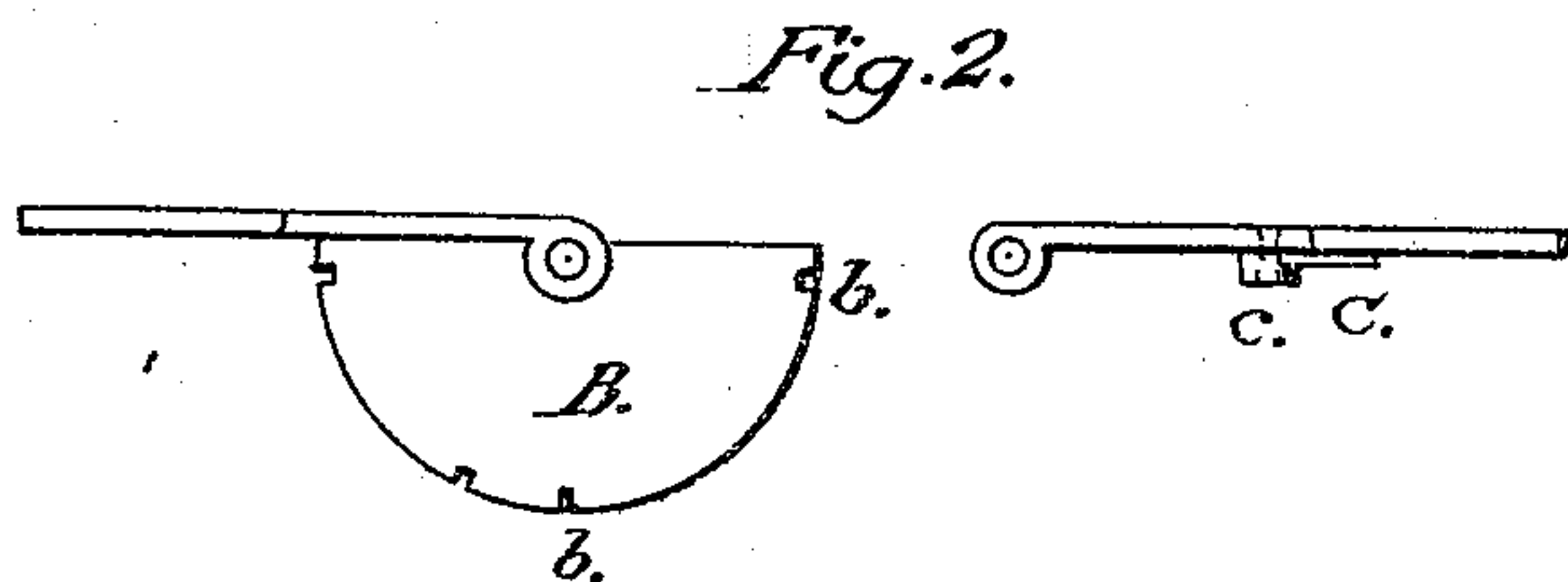
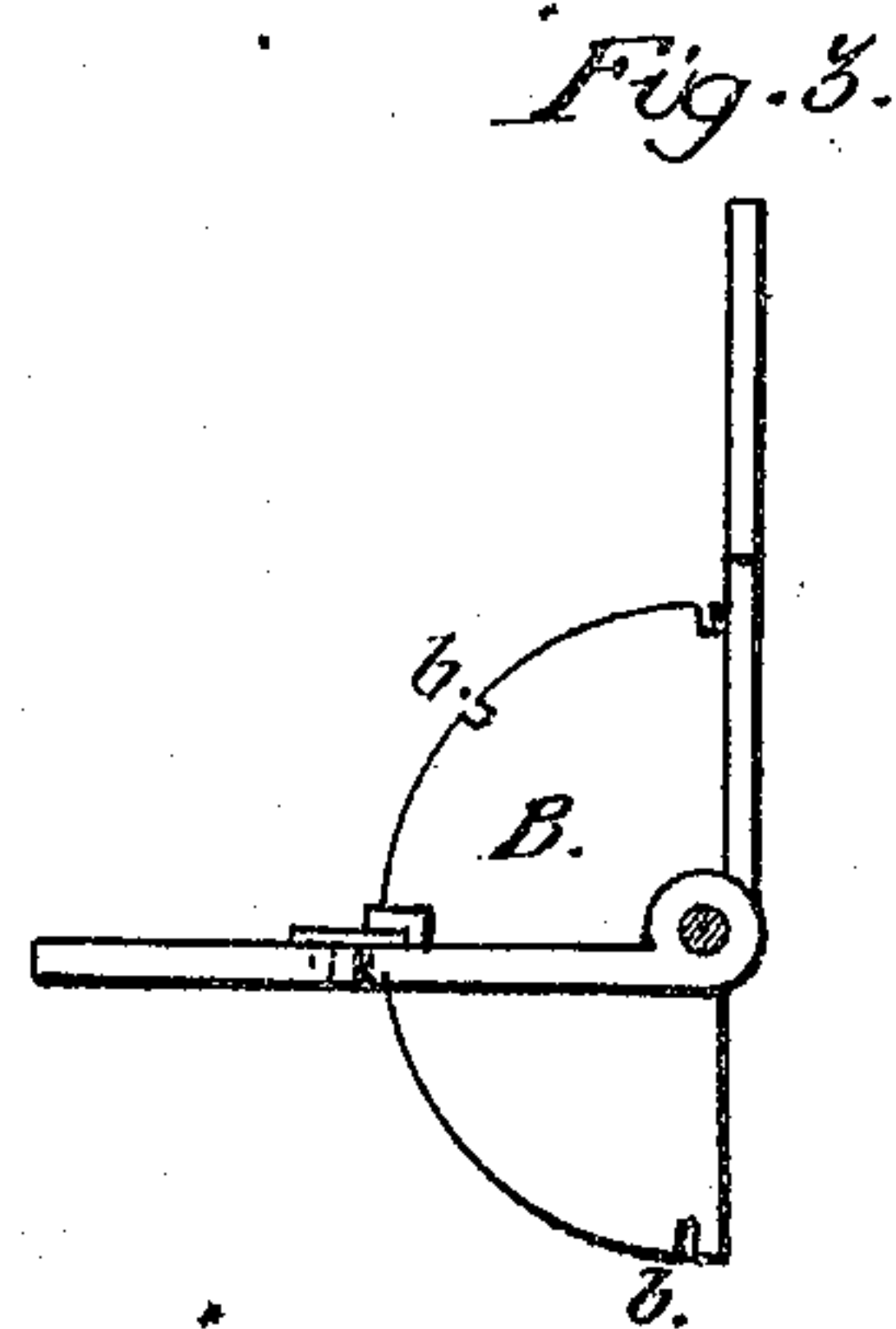
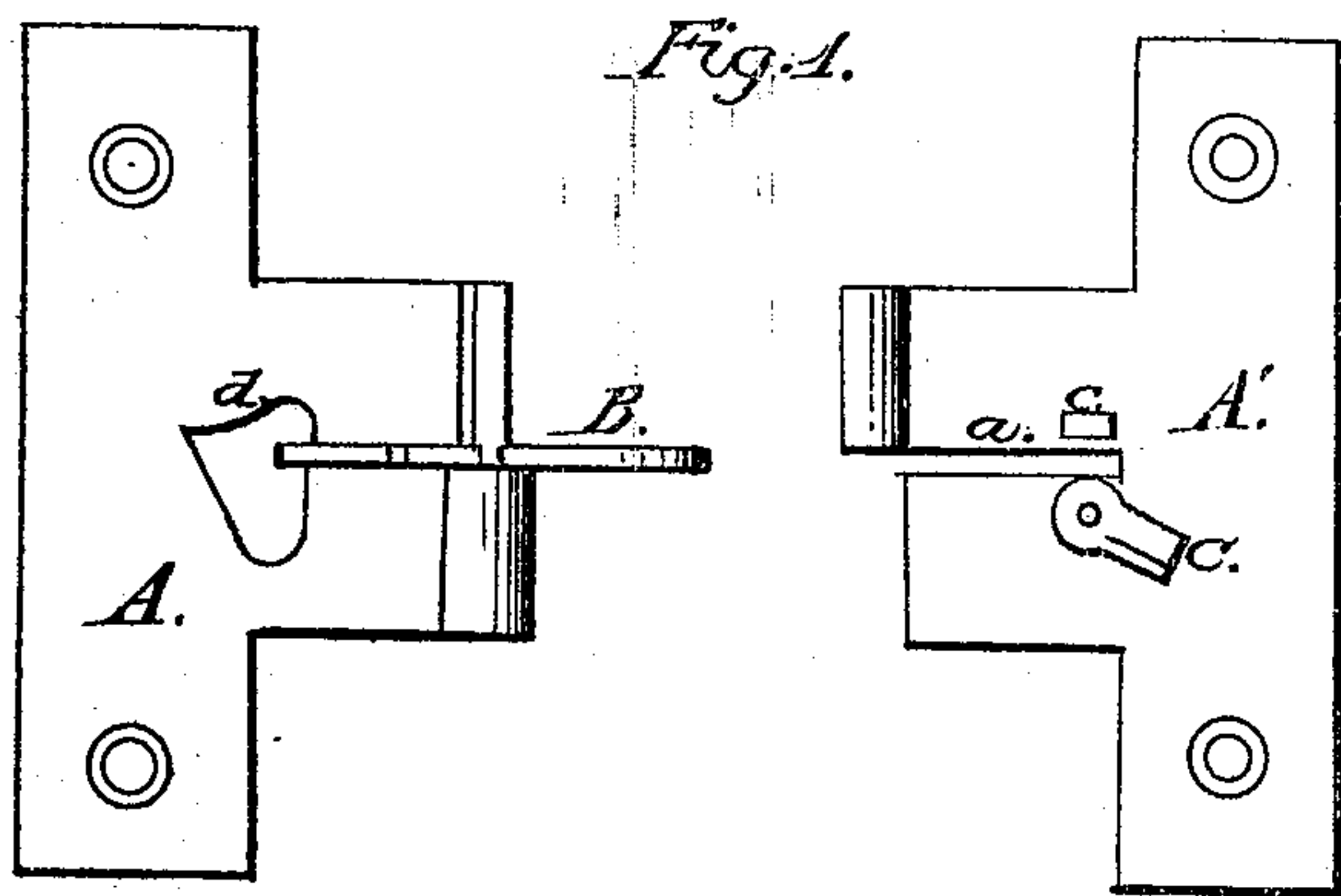


M. Umstadter,

Hinge-Stop.

No. 85,876.

Patented Jan. 12, 1869.



Witnesses:
Edm. James

W. B. Frisby

Inventor:
M. Umstadter

per J. E. F. Holmead
Attorney

United States Patent Office.

M. UMSTADTER, OF NORFOLK, VIRGINIA.

Letters Patent No. 85,876, dated January 12, 1869.

IMPROVEMENT IN HINGE-STOP.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, M. UMSTADTER, of Norfolk, county of Norfolk, and State of Virginia, have invented certain new and useful Improvements in Hinges; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing, and the letters of reference marked thereon, making part of this specification, in which—

Figure 1 is a side view of the two leaves of the hinge.

Figure 2 is an edge view of the same.

Figure 3 is an elevation edge view of the hinge, on an angle.

Figure 4 is a view of the hinges on the lid of a chest.

The nature of my invention consists in so constructing a hinge, that it will answer the double purpose of a hinge and shutter-fastener, thus obviating the necessity of leaning out of the window to fasten or unfasten the shutter.

By my device, shutters can also be "bowed," when desired, and caused to retain the position in which they may be placed.

My invention is also applicable to doors and lids of chests or desks, causing the same to be held wide open or partly closed, as desired, thus discarding the use of the numerous devices for accomplishing that purpose.

To enable others skilled in the art to make and use my invention, I will now proceed to describe its construction and operation.

A A' are the leaves of the hinge.

The leaf A is cast with an additional piece, B, semicircular in form, at or near its centre, and perpendicular to the face of the leaf.

This piece B is provided with cuts *b b*, on the outer edge of the semicircle, and extends beyond the but of the hinge a distance equal to that cast on the leaf.

The leaf A' is provided with a slot, *a*, which extends from the but to near the centre of the leaf, and is made sufficiently wide to allow the semicircular piece B to freely pass through it when the hinge is being opened or closed.

This leaf A' is also provided with a pawl, C, and a button *c*, near the interior end of the slot *a*.

This pawl C fits in the cuts *b b* of the semicircular piece, and keeps the shutter or door partly open, and when the shutter or door is entirely open, the two leaves forming one straight line, the pawl C fits in the space between the face of the leaf A' and the bottom of the semicircular piece B, thus preventing the door or window from being shut.

The button *c* is so arranged on the leaf, that the pawl C, when it falls, becomes fastened, thus providing an additional means for preventing the pawl C from giving way, no matter what strain may be brought to bear upon it, either in attempting to open or close the hinge.

The leaf A is also provided with a recess, *d*, immediately next to the inner end of the semicircular piece B, in which rests the pawl C and the button *c*, when the hinge is closed.

Having thus fully described my invention,

What I claim therein as new, and desire to secure by Letters Patent of the United States, is—

The combination of the pivoted pawl C and button *c*, with the notched disk B and leaf of a hinge, all arranged and constructed as described and shown.

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

M. UMSTADTER.

Witnesses:

EDWIN JAMES,

JOHN S. HOLLINGSHEAD.