

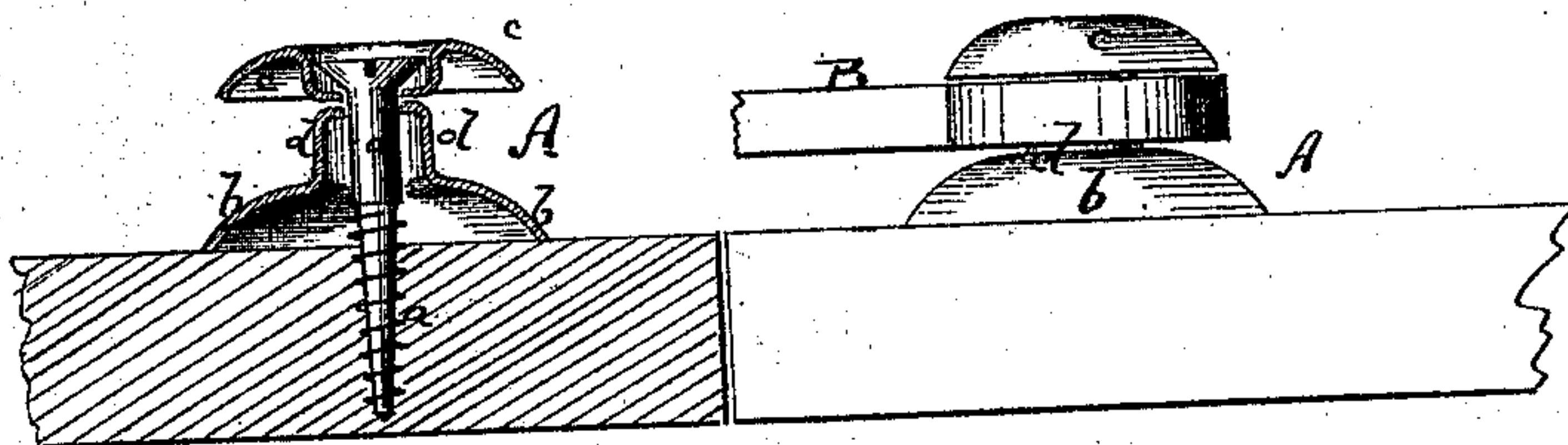
*J. Berbecker,*

*Shutler Fastener.*

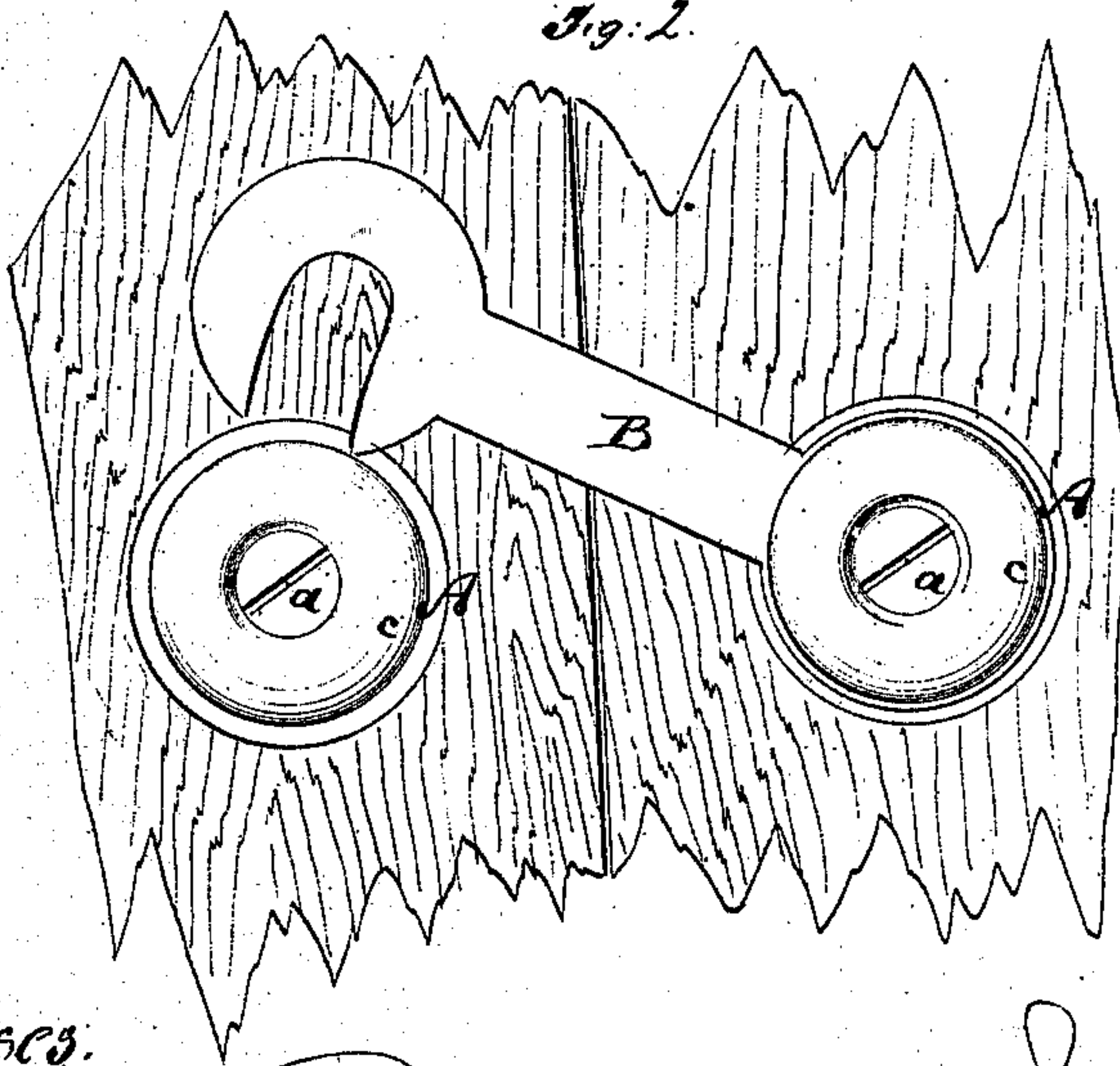
*No. 107,651.*

*Patented Sept. 27, 1870.*

*Fig. 1.*



*Fig. 2.*



*Witnesses:*

*Chas. Nida.*  
*G. J. Maher*

*Inventor:*

*J. Berbecker*  
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# United States Patent Office.

JULIUS BERBECKER, OF NEW YORK, N. Y.

Letters Patent No. 107,651, dated September 27, 1870.

## IMPROVEMENT IN SHUTTER-FASTENINGS.

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, JULIUS BERBECKER, of the city of New York, in the county and State of New York, have invented a new and improved Shutter-Bar; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

Figure 1 represents an edge view, partly in section, of my improved shutter-bar.

Figure 2 is a side or face view of the same.

Similar letters of reference indicate corresponding parts.

My invention relates to shutter-bar fastenings, and my object is to introduce to the public an improvement thereon, which will be first described, and then specified in the claim.

My invention has for its object to do away with the said plates, and with the large number of fastening-screws, and to make a cheaper and more graceful fastening in every respect.

My fastening consists of two sheet-metal buttons, A A, each being, by one single screw, *a*, fastened to the shutter.

One of the said buttons constitutes the pivot, the other the receiving-knob for the hook B.

Each button A is composed of two annular pieces, *b* and *c*.

The inner piece, *b*, is formed, by a punch and die, into the shape of an annular cup, with an outwardly-projecting circular flange, *d*.

The piece *c* is also stamped into the shape of an annular cup, and is placed upon the cup *b*, as shown in fig. 1.

The hook B is fitted upon the circular projection of the cup *b*, and swings thereon, and is confined between the pieces *b* *c*, as shown. It locks around the circular shaft *d* of the other button. Thus, for both shutters, equal pieces are used, the hook being applicable to the button on either side.

The cups are cheaply stamped or formed, either of plain or ornamental form, and are fastened to the shutters by screws, *a*, that pass through their centers. It is evident that the circular projecting part or shank *d* may be formed on the outer cup, *c*, as well as on the inner.

I am aware that buttons are made of flat iron disks, clamped by screws. The hook, however, turns on the screw, and not on the sleeve surrounding the screw, as in my case. The friction of the hook upon the screw constantly tends to work it loose. This is remedied by the interposition of my sleeve *d*. The disks in these old buttons are either so loose and have so much play as to rattle, or, if that is obviated by tight clamping, the hook-joint becomes stiff, and does not work smoothly. On the other hand, my cups with central sleeve, inclosing screw, are rigidly held in place, while the hook turns freely on the intermediate sleeve.

Having thus described my invention,

I claim as new and desire to secure by Letters Patent—

The combination, with a hook, B, and clamp-screw *a*, of two cups, *b* *c*, having intermediate sleeve *d*, to surround said screw, as and for the purpose described.

JULIUS BERBECKER.

Witnesses:

C. R. LARRABEE.

GEORGE R. McDONNELL.