H. SCHAAF.

FASTENING DEVICES FOR FURNITURE.

No. 192,293. Patented June 19, 1877.

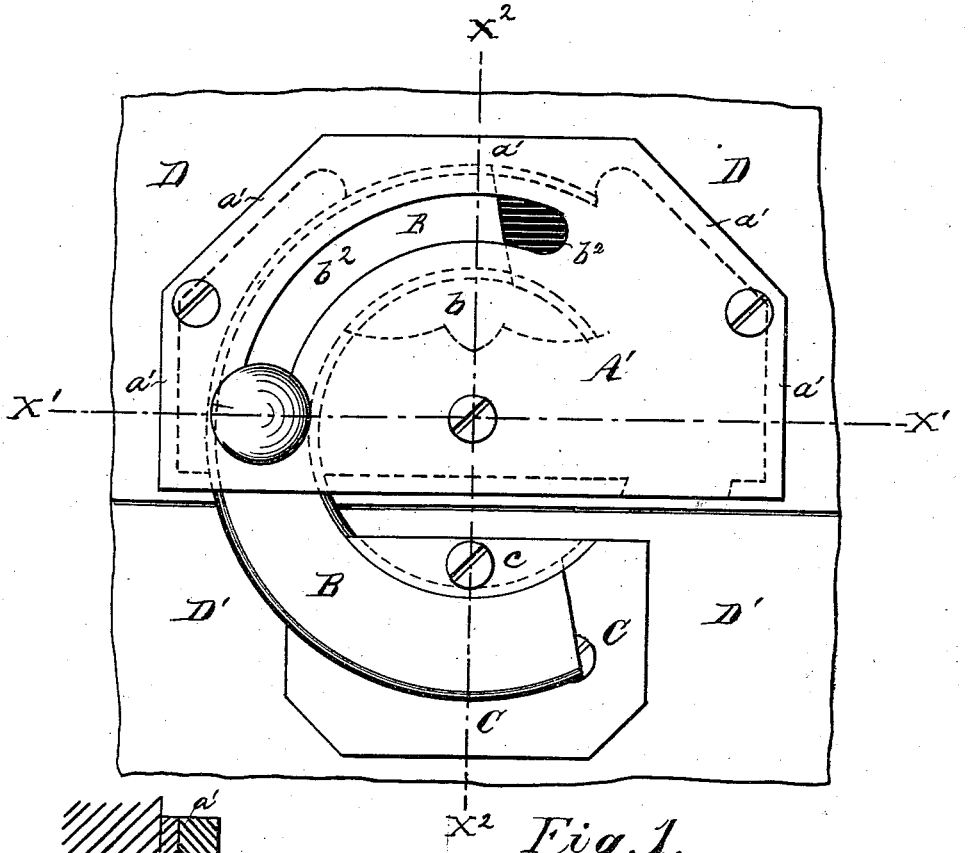

Fig. 1.

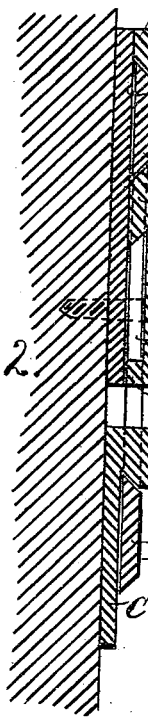

Fig. 2.

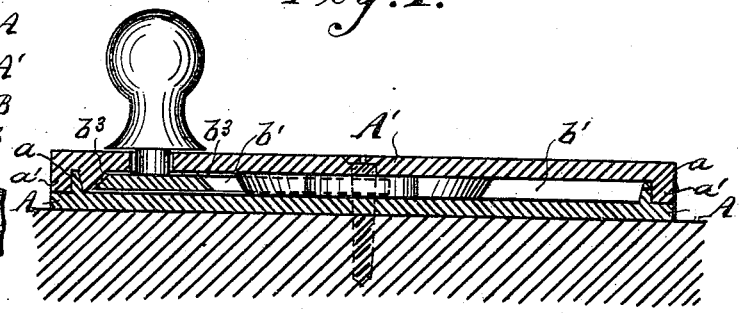

Fig. 3.

Witnesses;
J. W. Herthel.
Chas. Herthel.

Inventor;
Henry Schaaf
per
Herthel & Co
"

UNITED STATES PATENT OFFICE.

HENRY SCHAAF, OF ST. LOUIS, MISSOURI.

IMPROVEMENT IN FASTENING DEVICES FOR FURNITURE.

Specification forming part of Letters Patent No. **192,293**, dated June 19, 1877; application filed April 23, 1877.

To all whom it may concern:

Be it known that I, HENRY SCHAAF, of St. Louis, in the county of St. Louis and State of Missouri, have invented an Improved Fastening Device, &c., of which the following is a specification:

This invention is an improved fastening device for cabinet-makers' uses in the manufacture of household and office furniture, store-fittings, &c. As such fastener it is applicable to unite the top and bottom to the body part, composing a wardrobe, or a desk, bureau, or the parts of a bedstead, &c. By its use the screws, wrenches, and pieces of wood now used for these purposes are obviated, and the said parts of furniture can readily be locked together or readily detached, as the case may require.

My invention is also applicable as a window-sash fastener, and for latch purposes.

Of the drawing, Figure 1 is a side elevation of my improved fastener as applied for use and when in a locked condition. Figs. 2 and 3 are respective cross-sections taken on line X^1 X^1 and X^2 X^2 of Fig. 1.

My fastener consists, essentially, of the casing parts A A′, the semicircle bolt B, and the lug-plate C. (See figures.) The casing part A is simply a plate cast to have the lugs at *a*. (See figures.) The casing part A′ is a like plate, but cast to contain the operating-bolt. For this purpose the part A′ has its surrounding edge to be a projecting rim, *a′*, and at *b* to have a center lug, all shown in figures. The projecting rim *a′* forms the chamber part b^1, for the bolt to operate in and out, and also serves, at proper points, to guide the operating-bolt. Likewise the lug *b* serves as a guide, and also to secure the bolt in operating condition. At b^2 the part A′ has a slot, curved and elongated to suit the travel of the knob that operates the bolt. (See Fig. 1.) The bolt B, as shown in figures, is a plate made semicircular, its edges at b^3 being beveled to suit corresponding bevels made in the contiguous parts of A′. (See figures.) C is the lug-plate, the lug *c* thereof being an arc to conform to the part of the bolt. (See Figs. 1 and 2.) D D′ represent the parts of furniture to be united. The lug-plate C is screwed to the part D′. The casing parts A A′, containing the bolt B, are screwed to the part D. The same screws unite the parts A A′ to the part D.

The fastener having its parts thus secured in relative operative condition, it is simply necessary to cause the bolt B to engage the lug-plate C, as shown in Fig. 1, to lock the parts of furniture together. As is apparent, this is done by a part rotary movement imparted to the bolt B. The reverse movement will cause the bolt B to disengage from the lug-plate C, disuniting the parts D D′, the bolt in unlocked condition being then entirely contained in the casing parts A A′.

What I claim is—

A fastening device of the character herein shown and described, consisting of the casing parts A A′, the bolt B, and lug-plate C, all said parts being constructed and combined to operate substantially as set forth.

In testimony of said invention I have hereunto set my hand.

HENRY SCHAAF.

Witnesses:

WILLIAM W. HERTHEL,

JOHN W. HERTHEL.