

No. 675,611.

Patented June 4, 1901.

J. C. F. SCHENCK.
HARROW TOOTH FASTENER.

(Application filed Mar. 21, 1901.)

(No Model.)

Fig. 1.

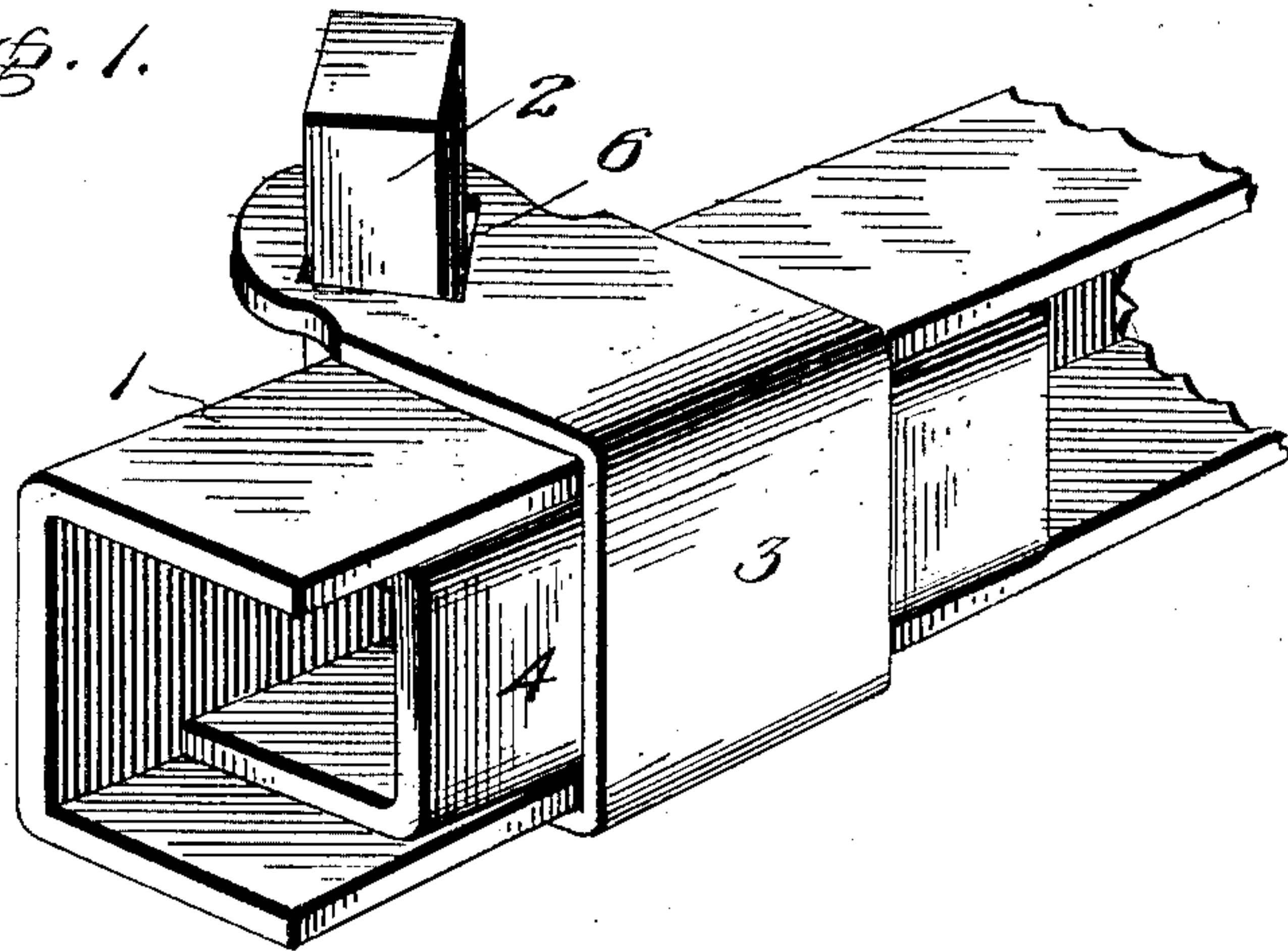


Fig. 2.

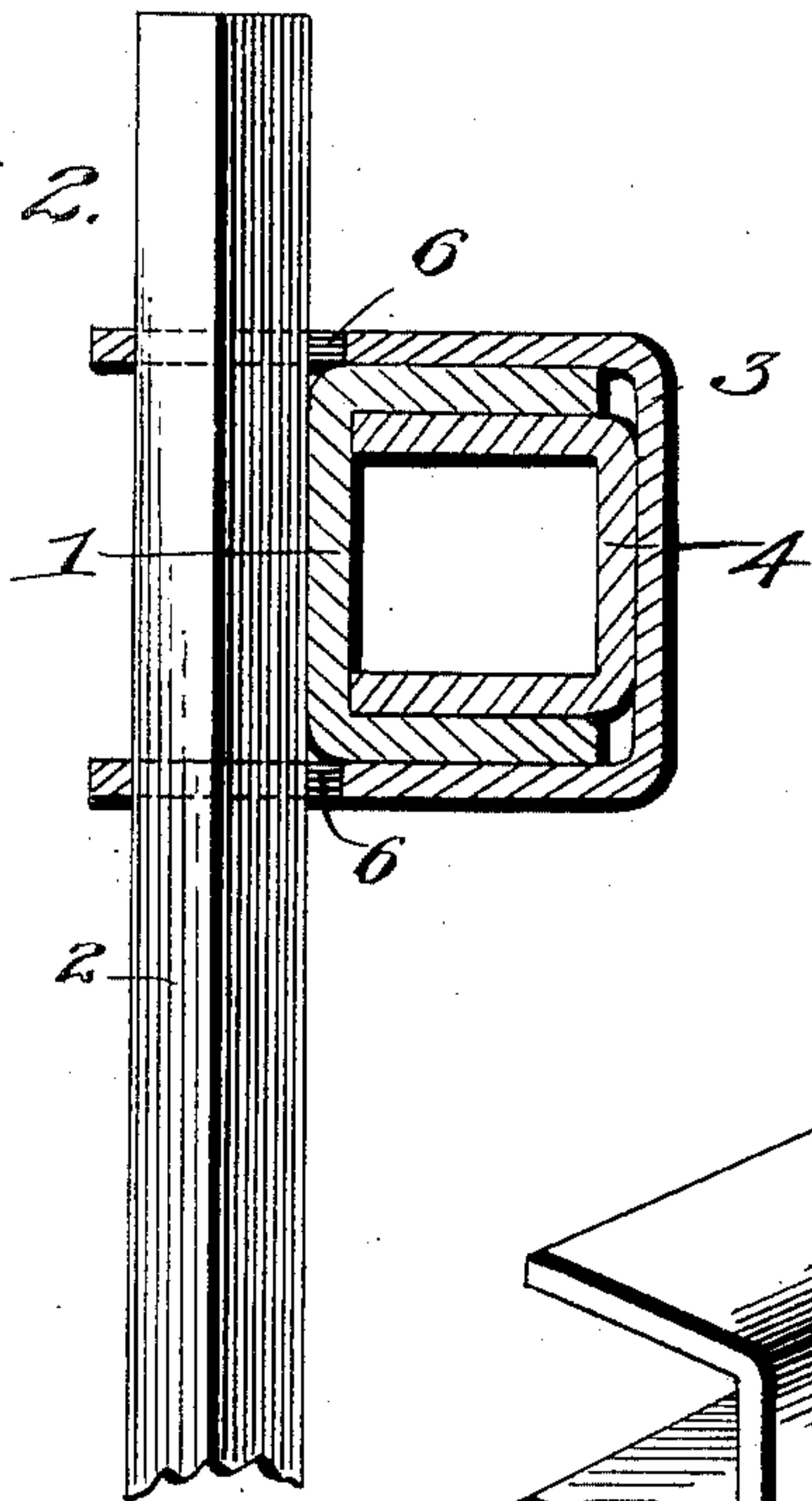
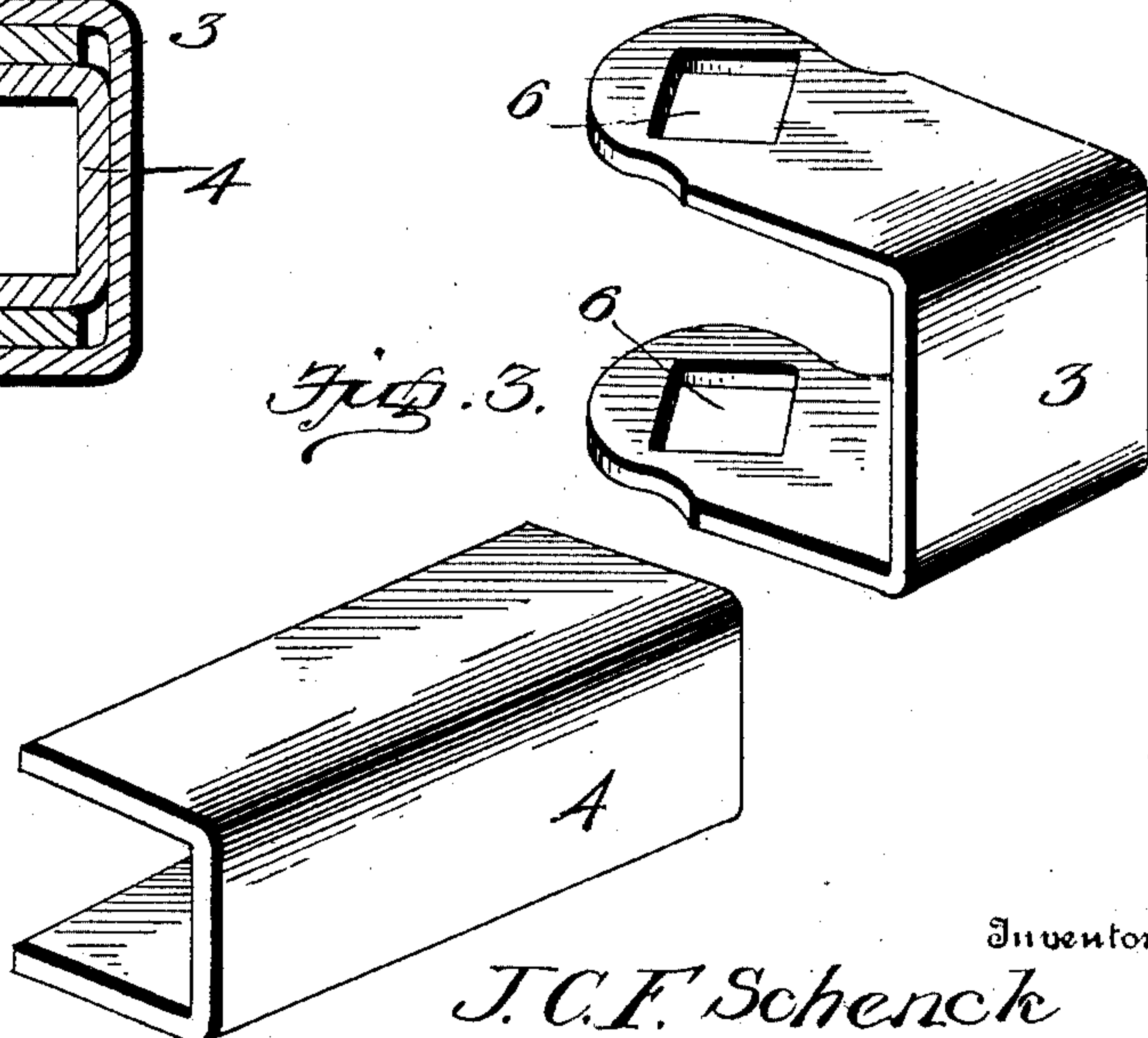


Fig. 3.



Witnesses
Paul J. Millson

By *A. B. Wilson & Co*

Inventor

J. C. F. Schenck

Attorneys

UNITED STATES PATENT OFFICE.

JOHN C. F. SCHENCK, OF MOLINE, ILLINOIS.

HARROW-TOOTH FASTENER.

SPECIFICATION forming part of Letters Patent No. 675,611, dated June 4, 1901.

Application filed March 21, 1901. Serial No. 52,188. (No model.)

To all whom it may concern:

Be it known that I, JOHN C. F. SCHENCK, a citizen of the United States, residing at Moline, in the county of Rock Island and State of Illinois, have invented certain new and useful Improvements in Harrow-Tooth Fasteners; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The invention relates to harrow-tooth fasteners.

The object of the invention is to provide a fastener of this character which shall be simple of construction, durable in use, and comparatively inexpensive of production and by the employment of which the harrow-teeth may be attached to their beams at any suitable distances apart and the beams made stronger, for with my improved fastener it is wholly unnecessary to perforate or form the bar with openings for the reception of the teeth.

With this and other objects in view the invention consists of certain novel features of construction, combination, and arrangement of parts, which will be hereinafter more fully described, and particularly pointed out in the appended claims.

In the accompanying drawings, Figure 1 is a perspective view of a portion of a harrow-beam, illustrating the application of the invention. Fig. 2 is a vertical sectional view, and Fig. 3 is a detail perspective view, of the clip and wedge separated.

In the drawings, 1 denotes a channel-iron harrow-beam; 2, the harrow-tooth; 3, the clip, and 4 the wedge. The clip is U-shaped and is intended to embrace the harrow-beam, with the closed side of the clip arranged at the open side of the beam. The clip is provided with alined tooth-apertures 6 for the harrow-tooth 7, which is polygonal in cross-section to correspond to the shape of the apertures. The wedge referred to is also U-shaped and is inserted in the channel between the parallel sides and front face of the channel-iron and the closed side of the clip and is driven firmly home, thus tending to separate the clip and beam, which has the effect of drawing or

clamping the harrow-tooth firmly to the front side of the beam, and thus securely holding it in position. To remove the harrow-tooth, a slight jar or tap of a hammer upon the opposite or reduced end of the wedge will loosen said wedge and permit of its withdrawal from between the parts and allow of the adjustment of the tooth along the beam or vertically with respect to the beam or of itself and the clip being removed from the beam.

From the foregoing description, taken in connection with the accompanying drawings, the construction, mode of operation, and advantages of my invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion, and details of construction may be made within the scope of the invention without departing from the spirit or sacrificing any of the advantages thereof.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. The combination with a channel-iron harrow-beam, of a U-shaped clip provided with alined tooth-apertures and embracing said beam with the closed side of the clip facing the open side of the channel-iron beam, a tooth inserted through the alined apertures aforesaid, and a wedge for drawing the parts tightly together and clamping the tooth to the front side of the channel-iron beam, substantially as set forth.

2. The combination with a channel-iron harrow-beam, of a U-shaped clip provided with alined tooth-apertures and embracing said beam with the closed side of the clip facing the open side of the channel-iron beam, a tooth inserted through the alined apertures aforesaid, and a channel-iron wedge for drawing the parts tightly together and clamping the tooth to the front side of the channel-iron beam, substantially as set forth.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

JOHN C. F. SCHENCK.

Witnesses:

MARX KROEGER,
JACOB FIRMAN.