

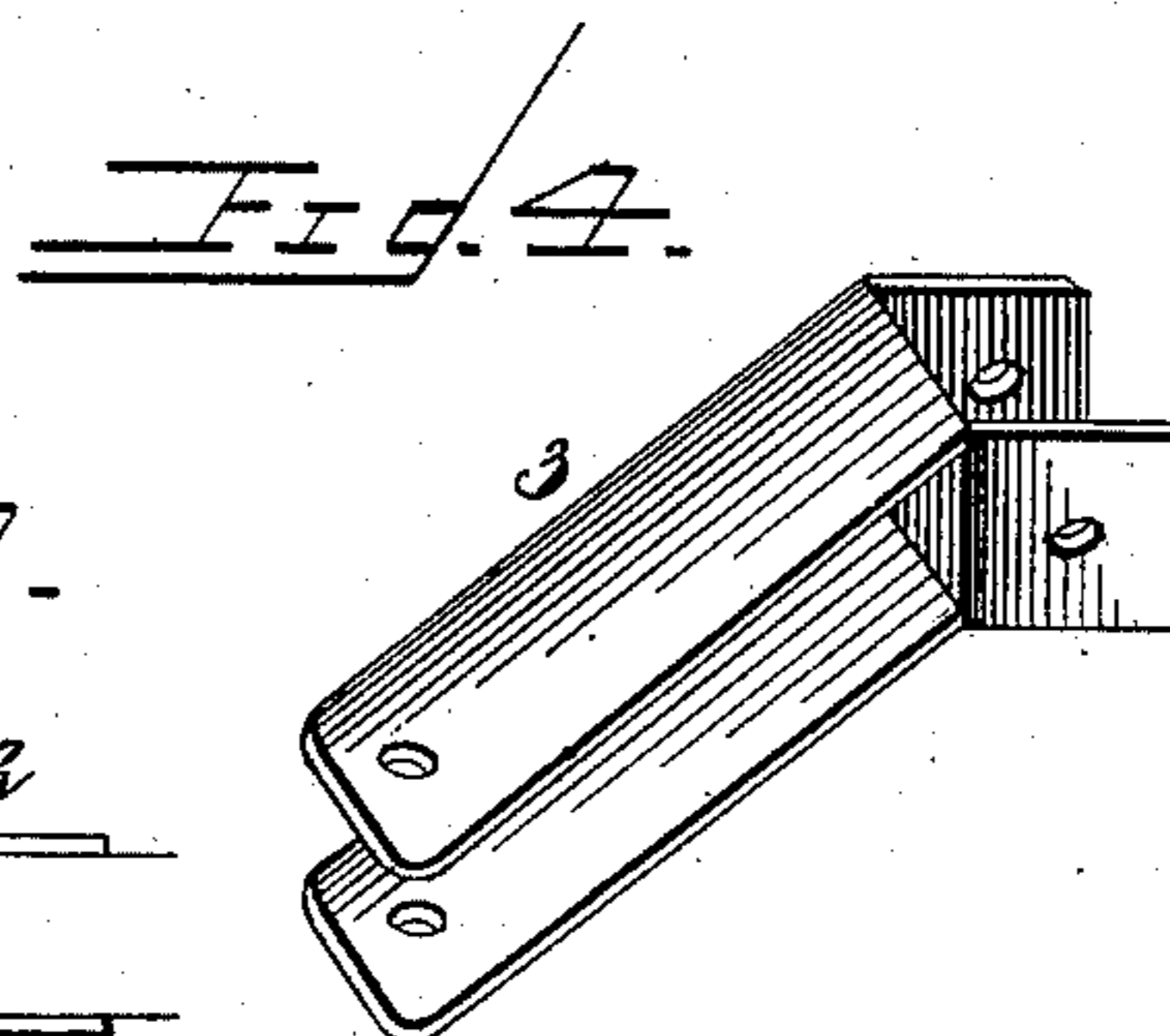
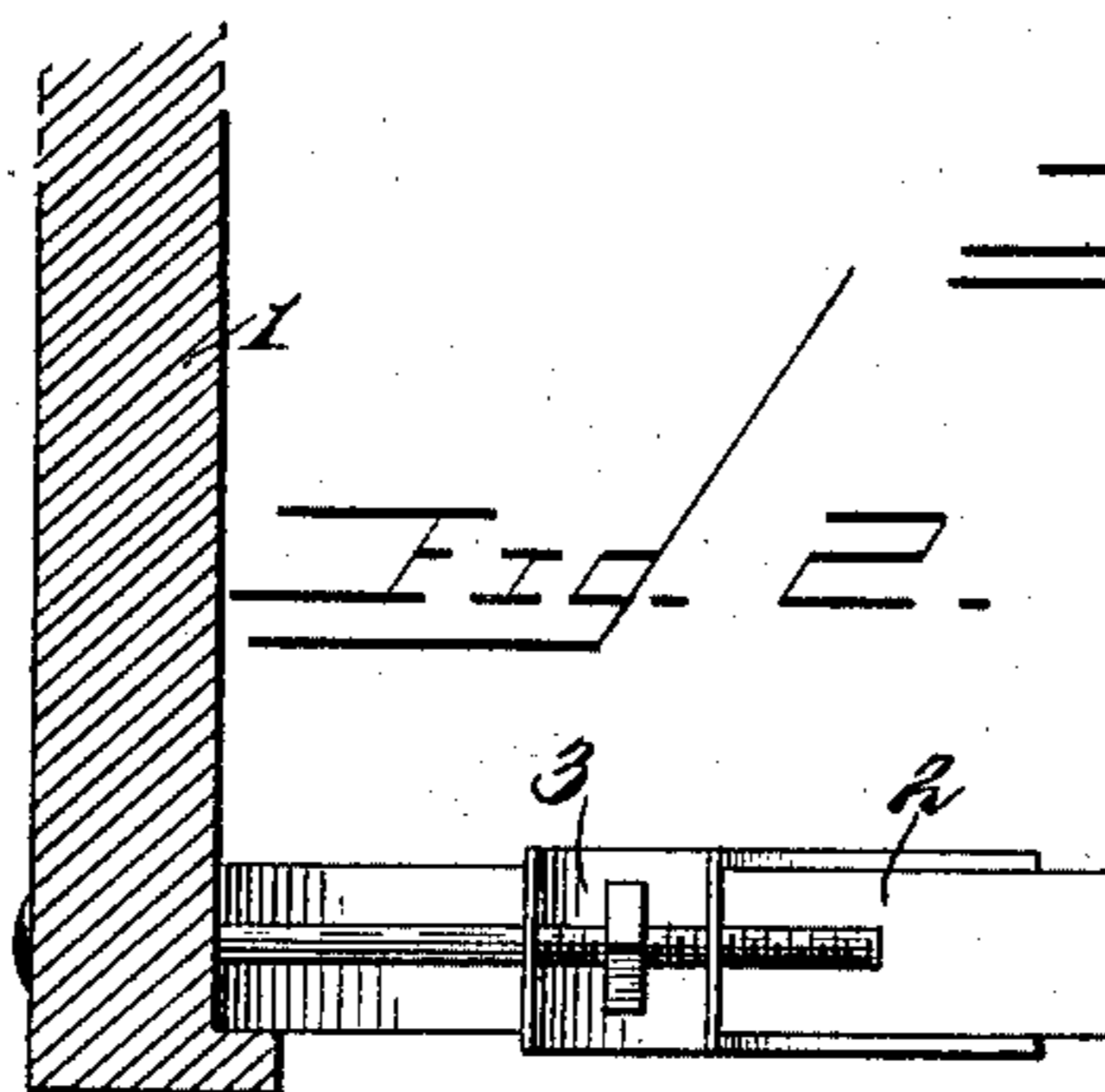
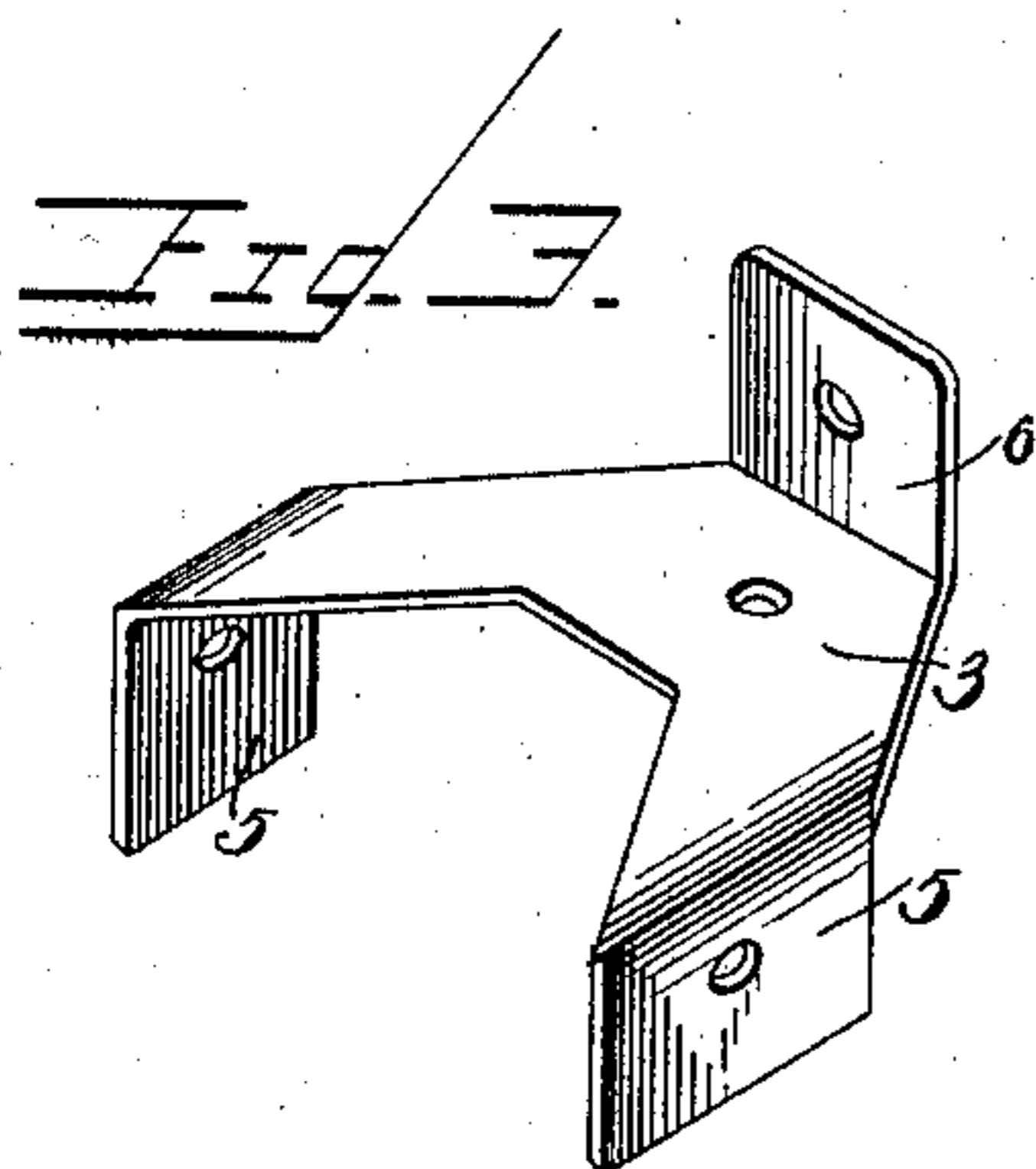
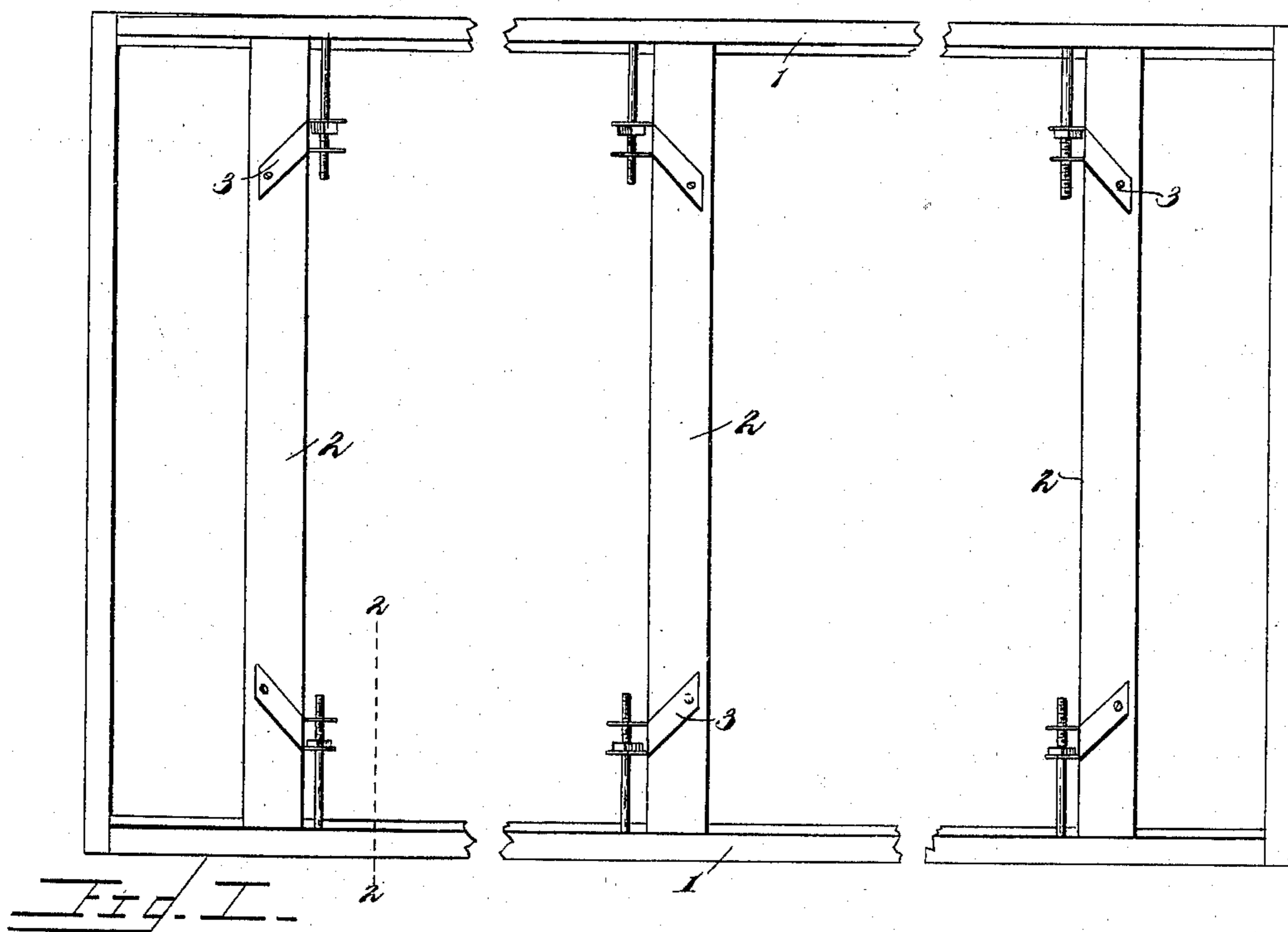
No. 609,126.

Patented Aug. 16, 1898.

E. C. SONNTAG.
BED SLAT FASTENER.

(Application filed Oct. 5, 1897.)

(No Model.)



Witnesses

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EDWIN C. SONNTAG, OF DAVILLA, TEXAS.

BED-SLAT FASTENER.

SPECIFICATION forming part of Letters Patent No. 609,126, dated August 16, 1898.

Application filed October 5, 1897. Serial No. 654,129. (No model.)

To all whom it may concern:

Be it known that I, EDWIN C. SONNTAG, a citizen of the United States, residing at Davilla, in the county of Milam and State of Texas, have invented a new and useful Bed-Slat Fastener, of which the following is a specification.

My invention relates to means whereby a bed-slat may be fastened to the side rail of a bedstead, and the side rails may be drawn or bound upon the ends of the slats in order to secure the important purposes of having the slats held securely in position within and between the side rails and to have the side rails drawn together in a manner to prevent them from spreading under the load on the bed.

The object that I have in view is to provide simple and efficient means which will wholly obviate or dispense with the various styles of braces which have been resorted to for holding the side rails securely in position and to provide in lieu thereof a fastener which holds the slats in place and utilizes the slats and their fastening devices to brace or stay the side rails of a bedstead.

To the accomplishment of these ends the invention consists in the combination, with the side rails and a slat, of a fastener-clip attached to the slat at each end thereof and provided with a projecting ear or lug and draw-bolts passing through the side rails and lugs or ears of the fastener-clips; and the invention further consists in the novel combination of elements and in the construction and arrangement of parts which will be hereinafter fully described and claimed.

To enable others to understand my invention, I have illustrated the same in the accompanying drawings, forming a part of this specification, and in which—

Figure 1 is a plan view of a bedstead having certain of its slats fastened to the side rails in the manner contemplated by my invention. Fig. 2 is a cross-section through one of the side rails of a bedstead, showing one of the slats in elevation and with the preferred form of the fastener-clip attached to the slat and bolted to the side rail. Fig. 3 is a detail view of one form of the fastener-clip, and Fig. 4 is a detail perspective view of the preferred form of the fastener-clip.

Like numerals of reference denote corre-

sponding parts in all the figures of the drawings.

In Figs. 1 and 2 I have illustrated an ordinary bedstead which may be of any suitable construction known to those skilled in the art or preferred by the manufacturer, my improvements being capable of use universally in connection with bedsteads of any and all kinds where it is desirable or necessary to provide a means for holding the slats in position. The side rails of the bedstead are designated by the numeral 1, and the slats by the numeral 2. The side rails are not provided with the notched cleats or battens which are ordinarily employed in connection with the rails to receive and sustain the slats; but in lieu of the notched cleats I attach certain of the slats to the side rails by means of the clips 3 and the bolts 4.

The clips may be constructed in various ways, and they may be used either on the top, the bottom, or the side of the slats. The clip may be made of cast or wrought metal; but this is optional.

In the embodiment of the fastener-clip illustrated by Figs. 1 to 3, inclusive, it consists of a branched or forked plate having the terminals of its arms bent to form the lugs 5, and this fastener-clip is provided with a central ear 6, which extends upwardly from the body of said clip. The fastener-clip shown by Fig. 3 is adapted to be applied against the face of the slat to have its lugs 5 embrace the edges of the slat and its lug 6 to extend upwardly therefrom. This style of the fastener-clip to be applied laterally against the slat may be used to advantage in fitting the clip against the top side or to the bottom side of the slat, and in either of these positions the end lugs of the fastener-clip embrace the edges of the slat, while the central lug extends out from the face of the slat to receive the fastening-bolt 4.

I have illustrated the preferred embodiment of my fastener-clip by Fig. 4 of the drawings. This style of the clip is adapted to be applied against either edge of the slat, on the right or the left hand side thereof, and to this end the fastener-clip has its forked arms bent at right angles to the body thereof, and it is provided with a pair of lugs or ears to receive the end of the threaded bolt 4. The fastener-

clip shown by Figs. 1, 2, and 4 of the drawings is adapted to be applied diagonally across the slat, to which it may be fastened by screws, nails, or other suitable fasteners, and the parallel lugs or ears of said clip project beyond one edge of the slat for the convenient attachment of the bolt thereto. The ears or lugs are perforated for the passage of the bolt, and I prefer to screw the nut on the bolt at a point between said ears or lugs.

In applying my fastener the clips are adjusted to certain of the slats, to which they are fastened by screws or suitable attaching means. The slats are now placed in position between the side rails to present the lugs of the clips in close relation to the side rails, and the bolts are then passed through openings in the side rails and through the lugs of the fastener-clips. The nuts on the bolts may now be tightened to draw the side rails and the slats together, and thus the slats and side rails may be bound in a manner to have the ends of the slats abut solidly against the rails. This construction and arrangement of parts utilize the slats as the medium for bracing and strengthening the side rails, and at the same time the slats are attached securely to the side rails to prevent the slats from dropping out of position. In case the slats become loose the nuts can be tightened on the bolts to hold the slats solidly in place, and this adjustment of the nuts also takes up any looseness or play in the parts.

My improvement wholly obviates the use of braces or stays to strengthen the frame of a bedstead, and it materially simplifies and cheapens the construction, because it dispenses with the notched cleats on the inside of the rails and provides a secure fastening means for the slats.

I am aware that changes in the form and proportion of parts and in the details of construction can be made without departing from the spirit of the invention.

The improved fastening devices can be attached to or used in connection with other styles of bedsteads now on the market when the clip shown by Figs. 1 to 3 is employed, because this form of the clip is so made that it can be used on slats which may be seated on the notched cleats of the side rails of ordinary construction.

Having thus fully described my invention, what is claimed as new, and desired to be secured by Letters Patent, is—

1. The combination with a bed-rail, and a slat, of the bracket having a clip which embraces and is fastened to the slat and provided with a lug or ear that extends beyond the slat and lies parallel to the line of the bed-rail, and a bolt which passes through the bed-rail and the ear of the clip, substantially as described.

2. The combination with a bed-rail, and a slat, of the bracket having a clip which fits edgewise against, and embraces the faces, of the slat and provided with ears that project beyond one side of the slat parallel to the bed-rail, a bolt passing through the bed-rail and the ears of the bracket, and a nut fitted on the bolt between the bracket-ears, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

EDWIN C. SONNTAG.

Witnesses:

G. B. GLENDINING,
J. H. SERVER.