

No. 700,334.

Patented May 20, 1902.

A. KARLSON.

COMBINED FASTENER AND CORNER STAY FOR BEER CASES.

(Application filed Sept. 3, 1901.)

(No Model.)

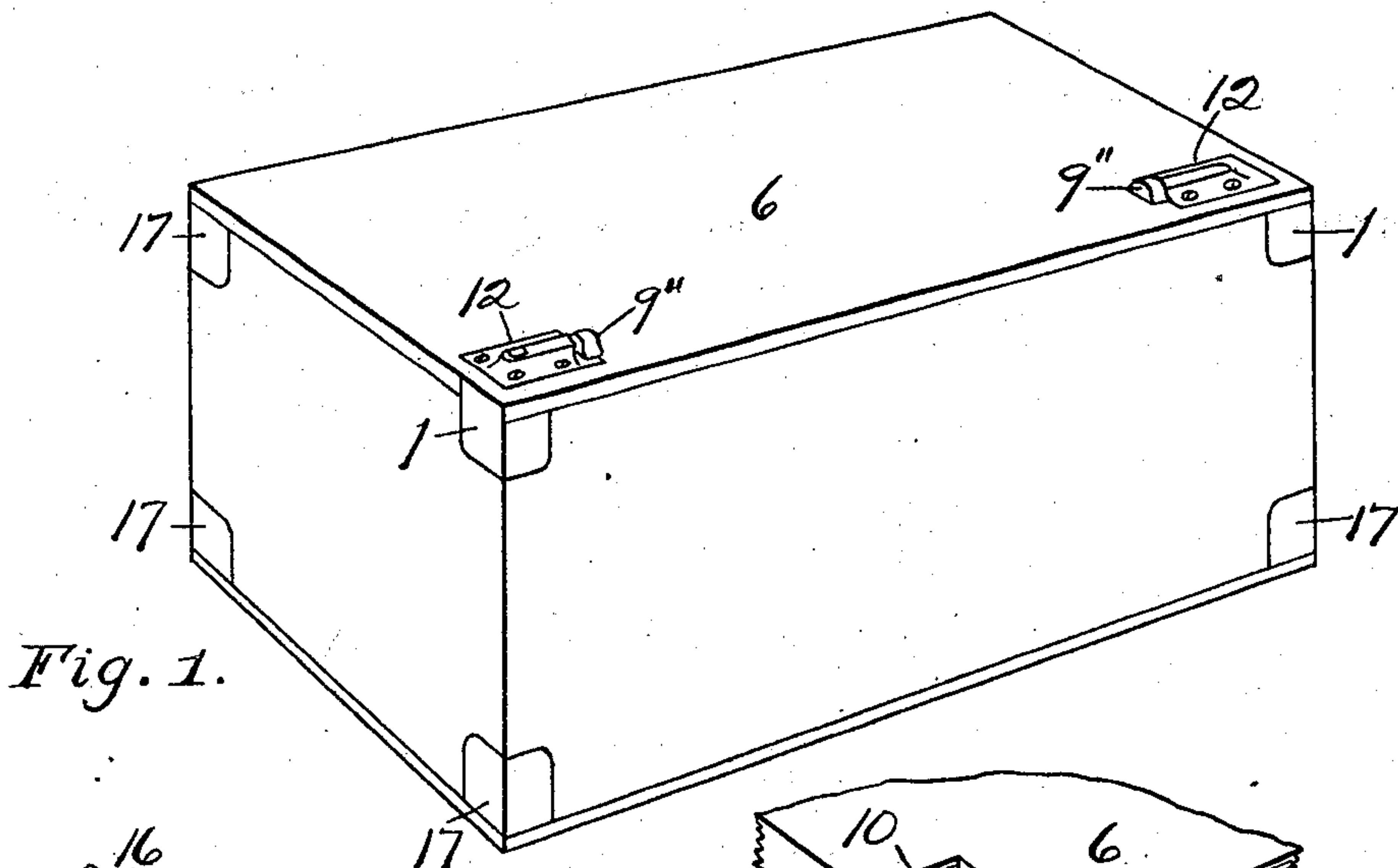


Fig. 1.

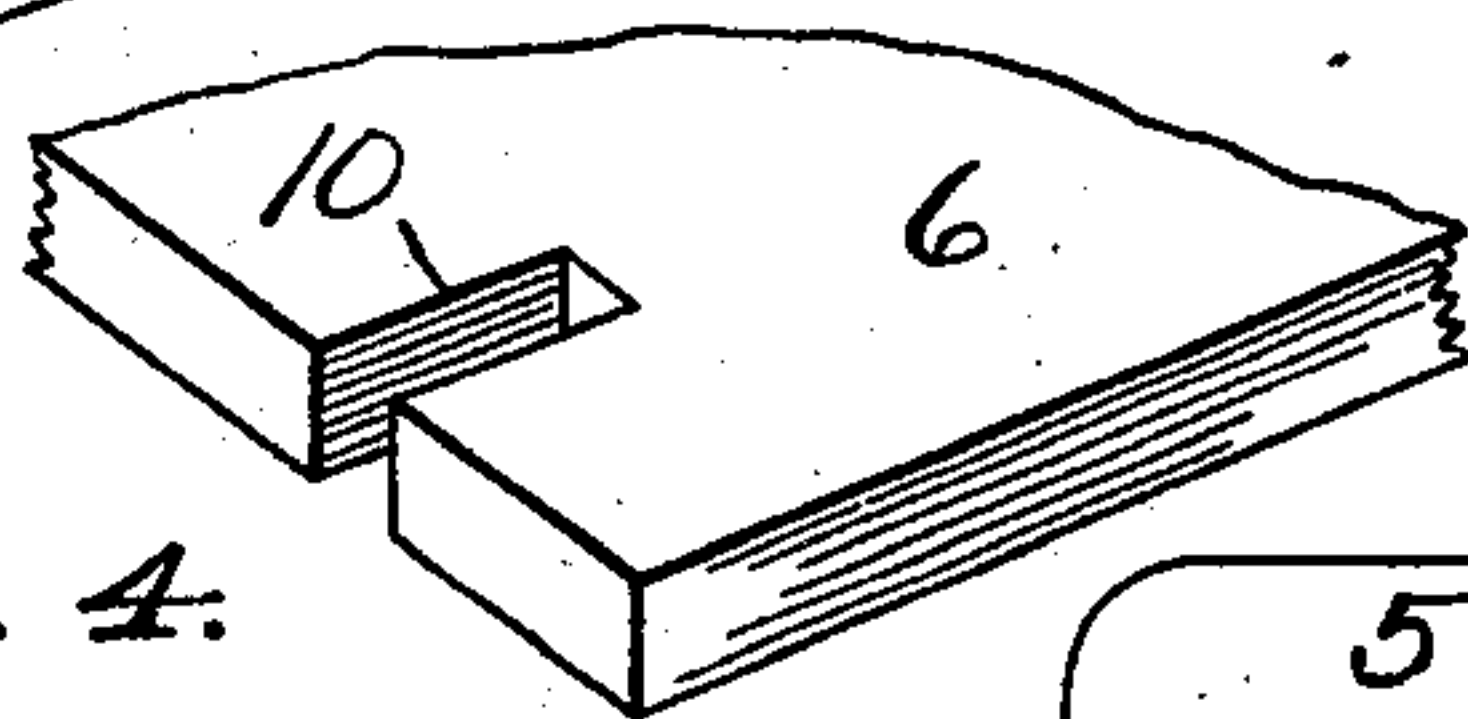


Fig. 4.

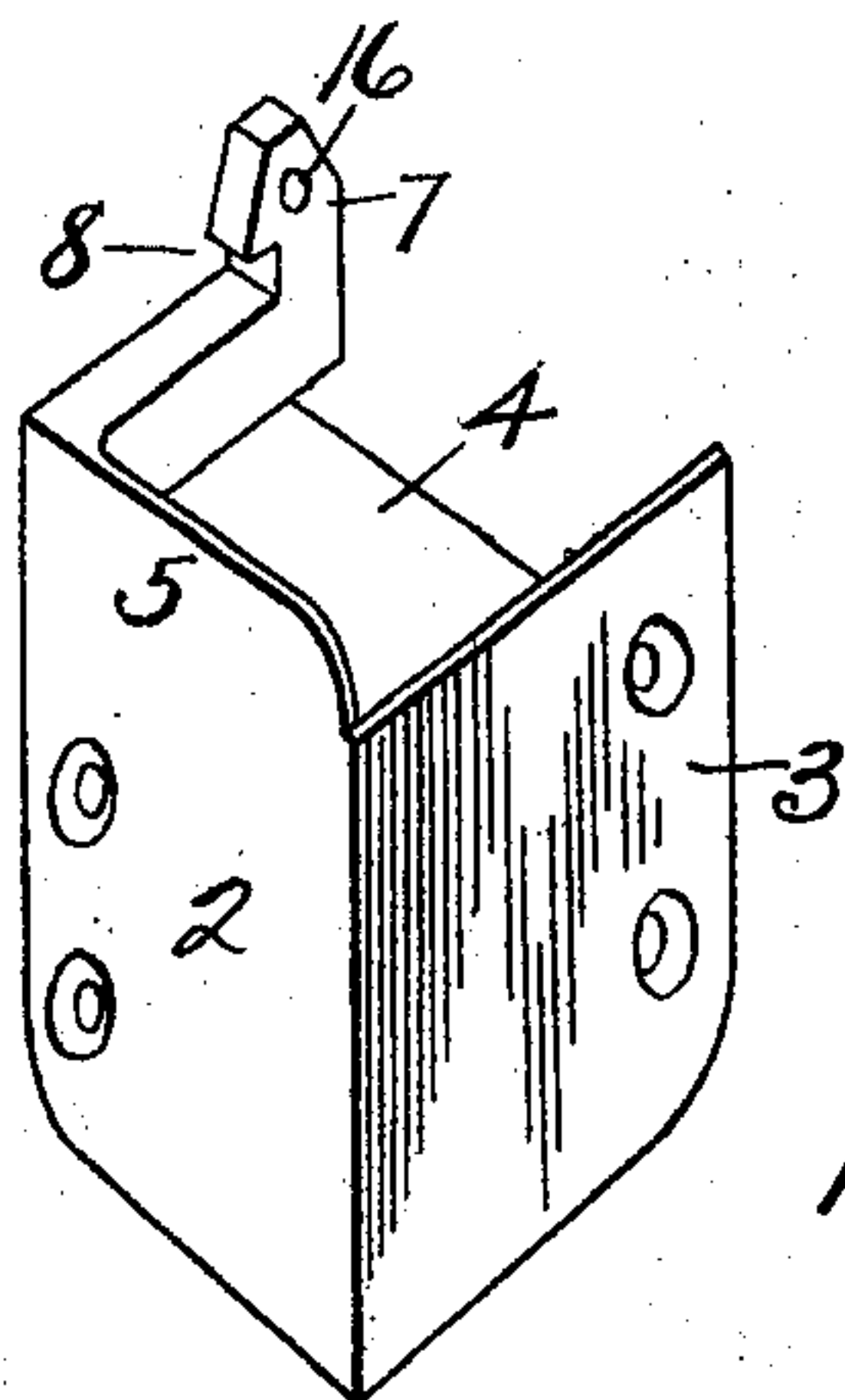


Fig. 2.

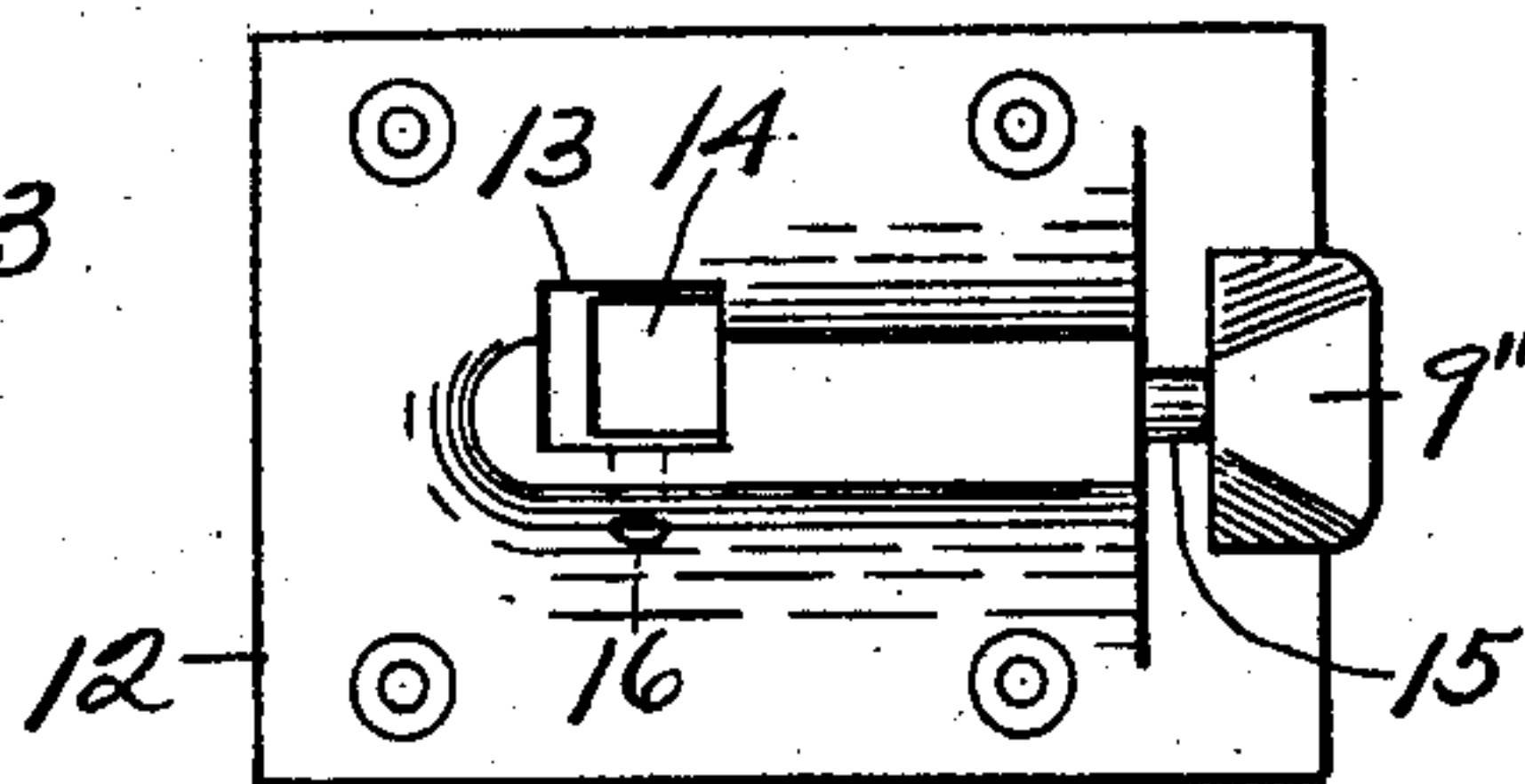


Fig. 5.

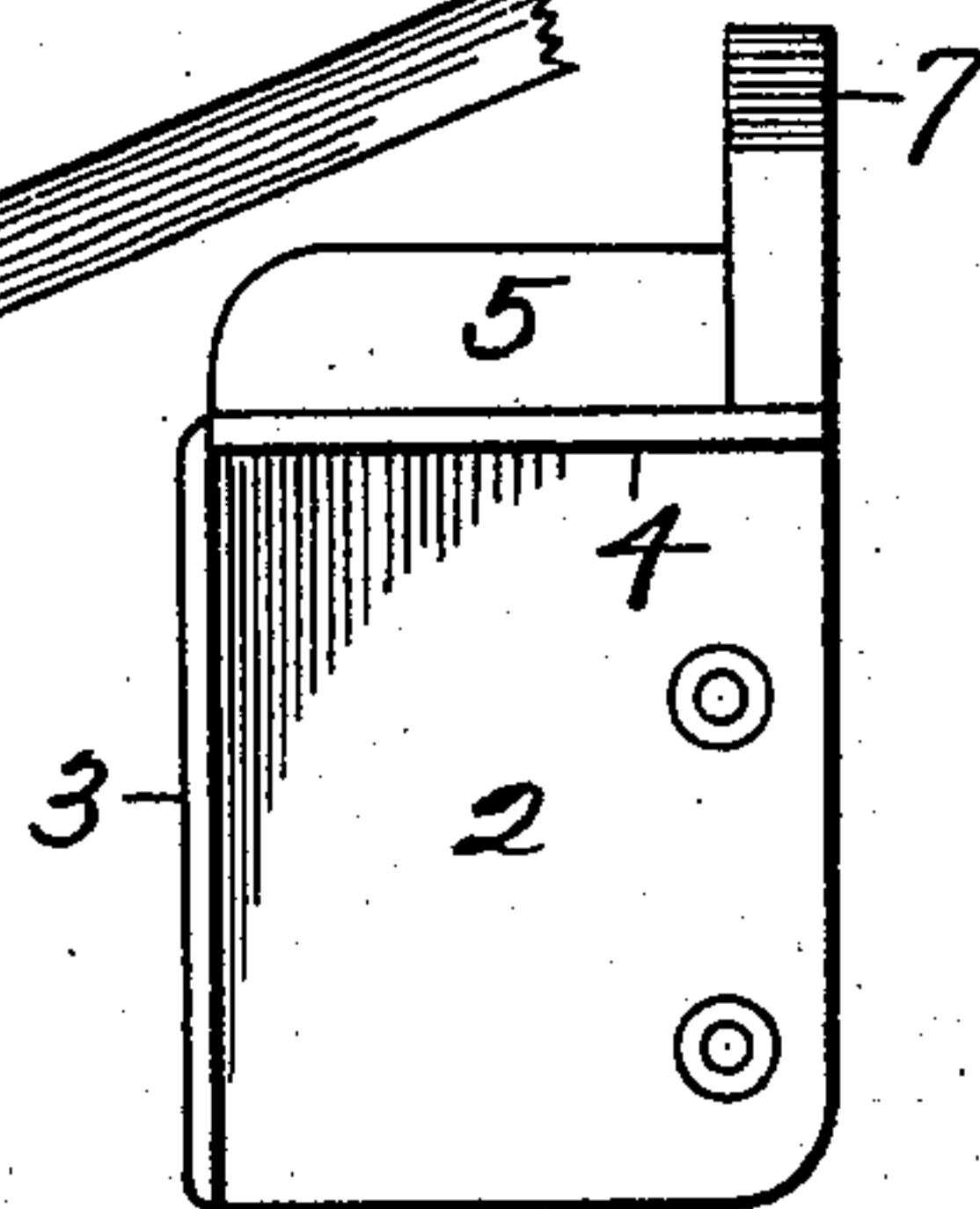


Fig. 3.

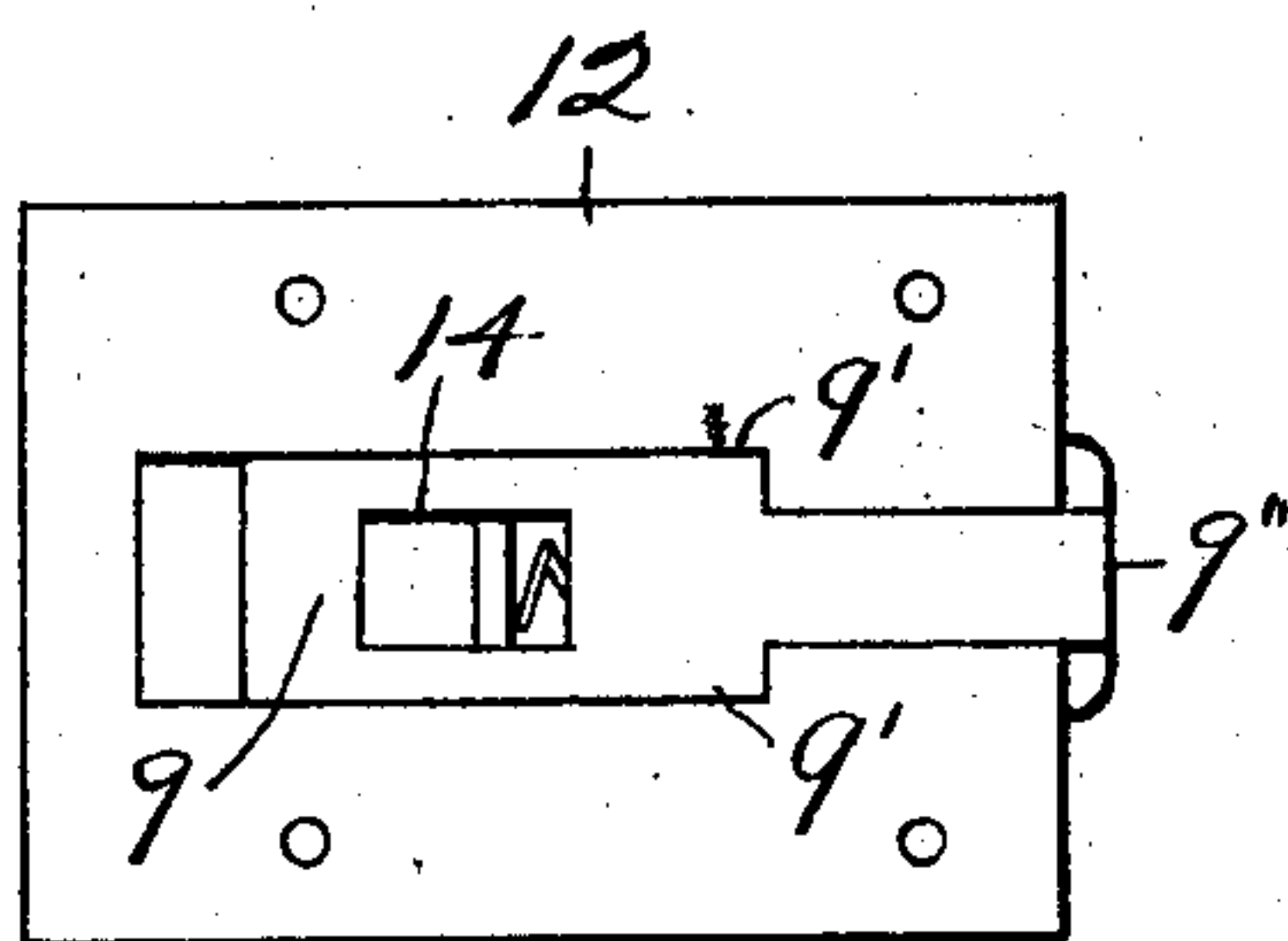


Fig. 6.

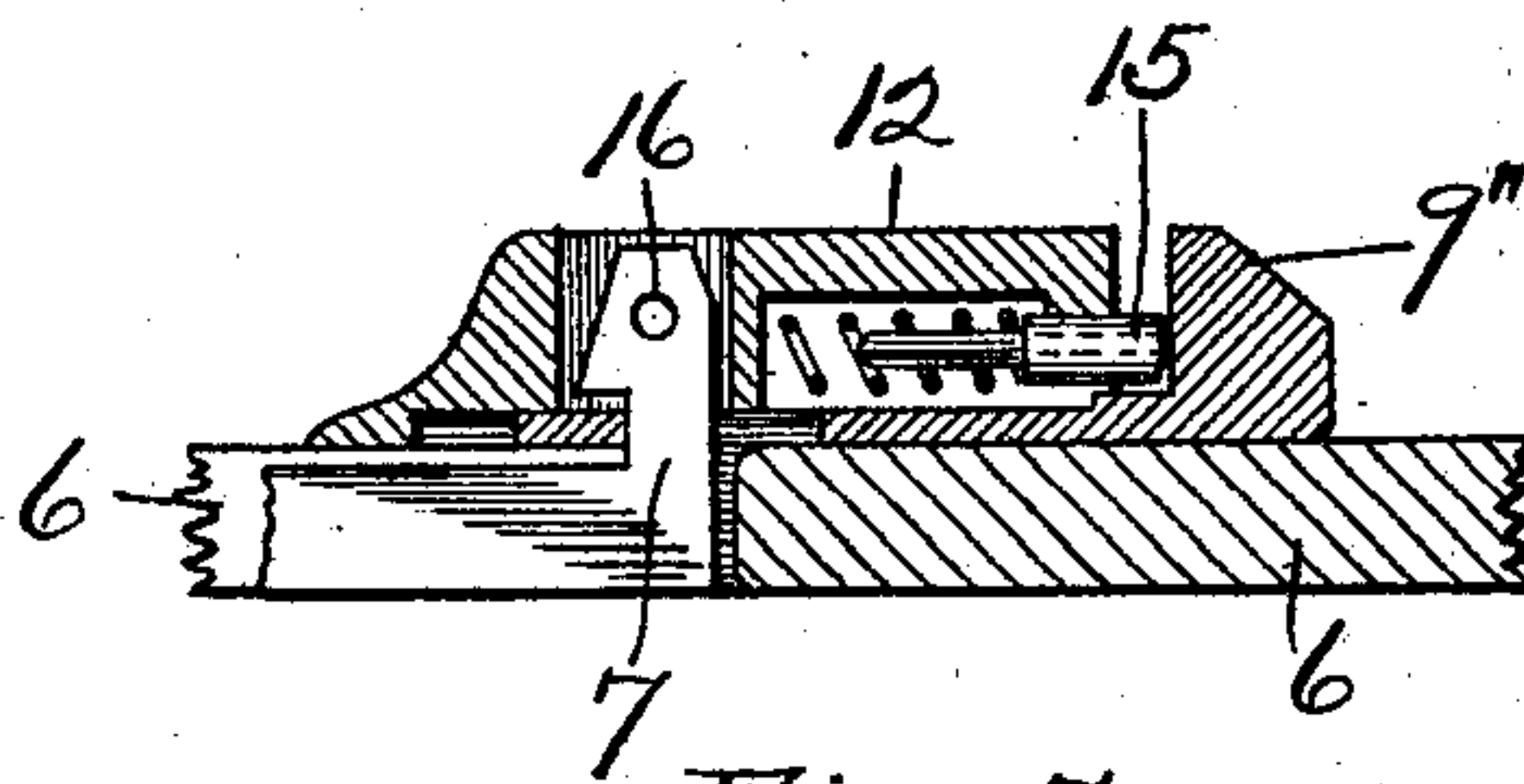


Fig. 7.

Witnesses,

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UNITED STATES PATENT OFFICE.

ALBERT KARLSON, OF KANSAS CITY, KANSAS.

COMBINED FASTENER AND CORNER-STAY FOR BEER-CASES.

SPECIFICATION forming part of Letters Patent No. 700,334, dated May 20, 1902.

Application filed September 3, 1901. Serial No. 74,069. (No model.)

To all whom it may concern:

Be it known that I, ALBERT KARLSON, a citizen of the United States, residing at Kansas City, in the county of Wyandotte and State of Kansas, have invented new and useful Improvements in a Combined Spring-Fastener and Corner-Stay for Beer-Cases, of which the following is a specification.

My invention relates to combined spring-fasteners and corner-stays for beer and other boxes; and the object of my invention is to produce a lock and corner piece or stay which will securely hold the corners of the box together and protect them from the effects of rough handling in loading and unloading from cars or wagons.

My invention comprises a corner-stay secured on a corner of the box, an upwardly-projecting shackle integral therewith passing through an opening in the lid, and a spring-bolt mounted on the lid in position to engage the shackle, all of which parts will be fully described hereinafter with reference to the accompanying drawings, in which—

Figure 1 is a perspective view of a box or case provided with my improved fasteners and corner-stays. Fig. 2 is a perspective view of one of the corner-stays and its shackle. Fig. 3 is an elevation of the same. Fig. 4 represents the opening in the lid through which the shackle extends when the lid is closed. Fig. 5 is a top plan view of one of the bolt-housings. Fig. 6 is a bottom plan of the same, showing the bolt. Fig. 7 is a longitudinal vertical section of the housing, the bolt, and the portion of the lid to which the housing is secured, showing also the shackle engaged by the bolt.

Fig. 2 represents one of the two corner-stays which are secured to the upper front corners of the box, respectively, and designated by 1 1. Each corner-stay comprises two plates 2 3 and a horizontal plate 4. Plates 2 and 3 are screwed to the sides of the box. Plate 2 projects above plate 3 at 5, as shown in Figs. 1, 2, and 3, to form a guard for the corner of the lid 6. Plate 3 might be extended in the same manner, but I prefer to make it flush with the bottom of the lid 6.

On each of the corner-stays 1 1 is cast an upwardly-extending shackle 7, having a notch

8 therein to be entered by a bolt 9, described hereinafter. To permit the lid of the box to close over the shackle 7, a recess 10 is cut in the lid, as shown in Fig. 4.

The bolt 9 (shown in Figs. 6 and 7) is in the form of a thin plate mounted slidably in a housing 12, secured to the lid 6. A rectangular hole 13 is formed in the housing 12 to receive the shackle 7, and in the bolt 9 is a rectangular opening 14, through which the shackle passes when the lid is closed. Mounted in a recess in the housing 12 is a spring-pressed pin 15, which holds the bolt 9 in engagement with the notch 8 in the shackle 7. The movement of the bolt 9 in one direction is limited by shoulders 9', formed thereon, Fig. 6, which abut against the shouldered recess in the bottom of the housing 12. A head 9'' is cast on the bolt 9, by which the bolt may be pressed in against the spring to release the shackle 7. A hole 16 is made through the shackle 7 and through the housing 12 in alinement therewith, so that a wire with a seal attached may be passed through both, whereby the lid of the box cannot be opened without breaking the seal.

The other six corners of the box are provided with corner-stays 17, having the same general form as that shown in Fig. 2, excepting that the shackle 7 is omitted therefrom.

Having now fully described my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

A combined spring-fastener and corner-stay for boxes, comprising a casting having three plates arranged in three planes and secured to a corner of the box, a notched upwardly-extending shackle integral with said casting, an opening in the lid of the box to receive said shackle when the lid is closed, a housing secured to the lid over said opening, and a spring-bolt in said housing, said bolt having a slot therein to receive said shackle, substantially as described.

In testimony whereof I affix my signature in the presence of two witnesses.

ALBERT KARLSON.

Witnesses:

M. L. LANGE,
K. M. IMBODEN.