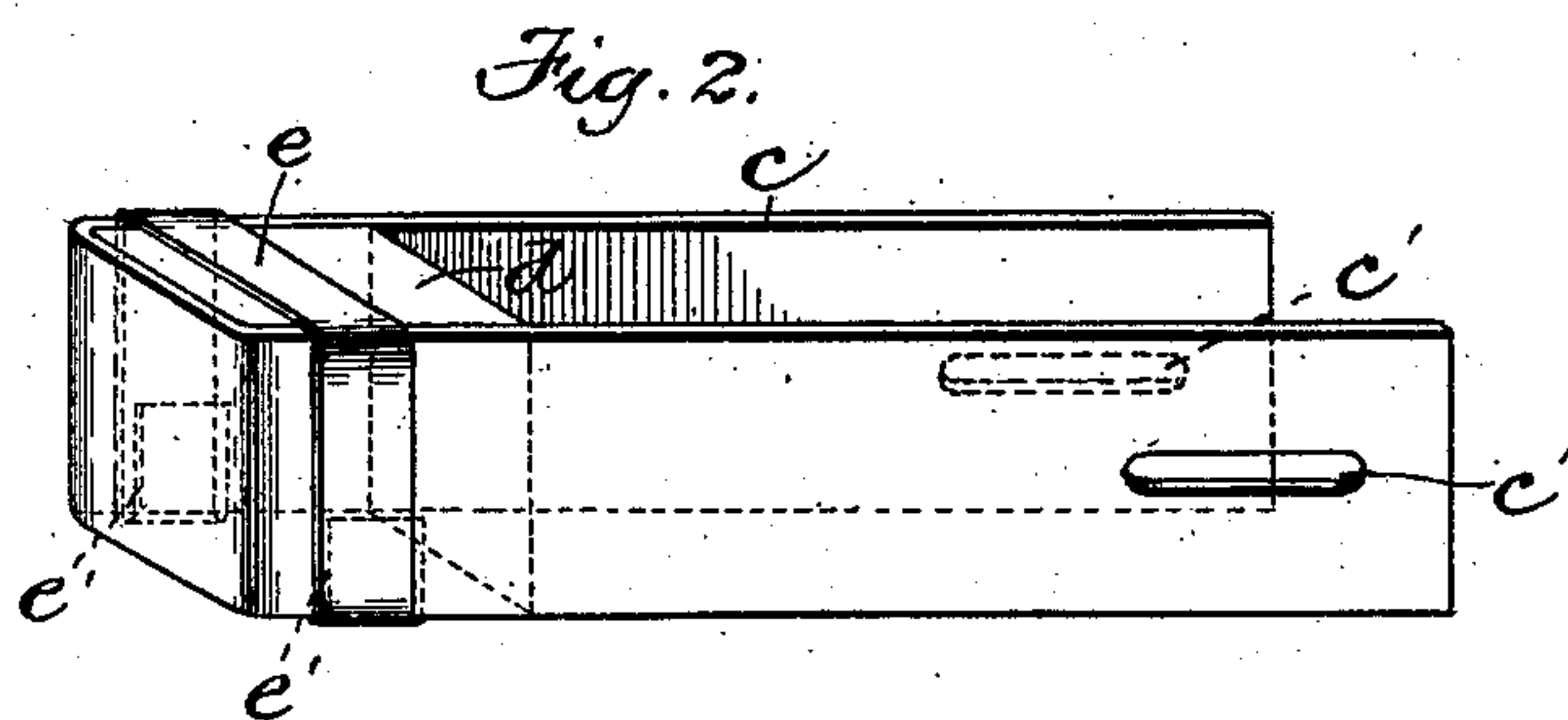
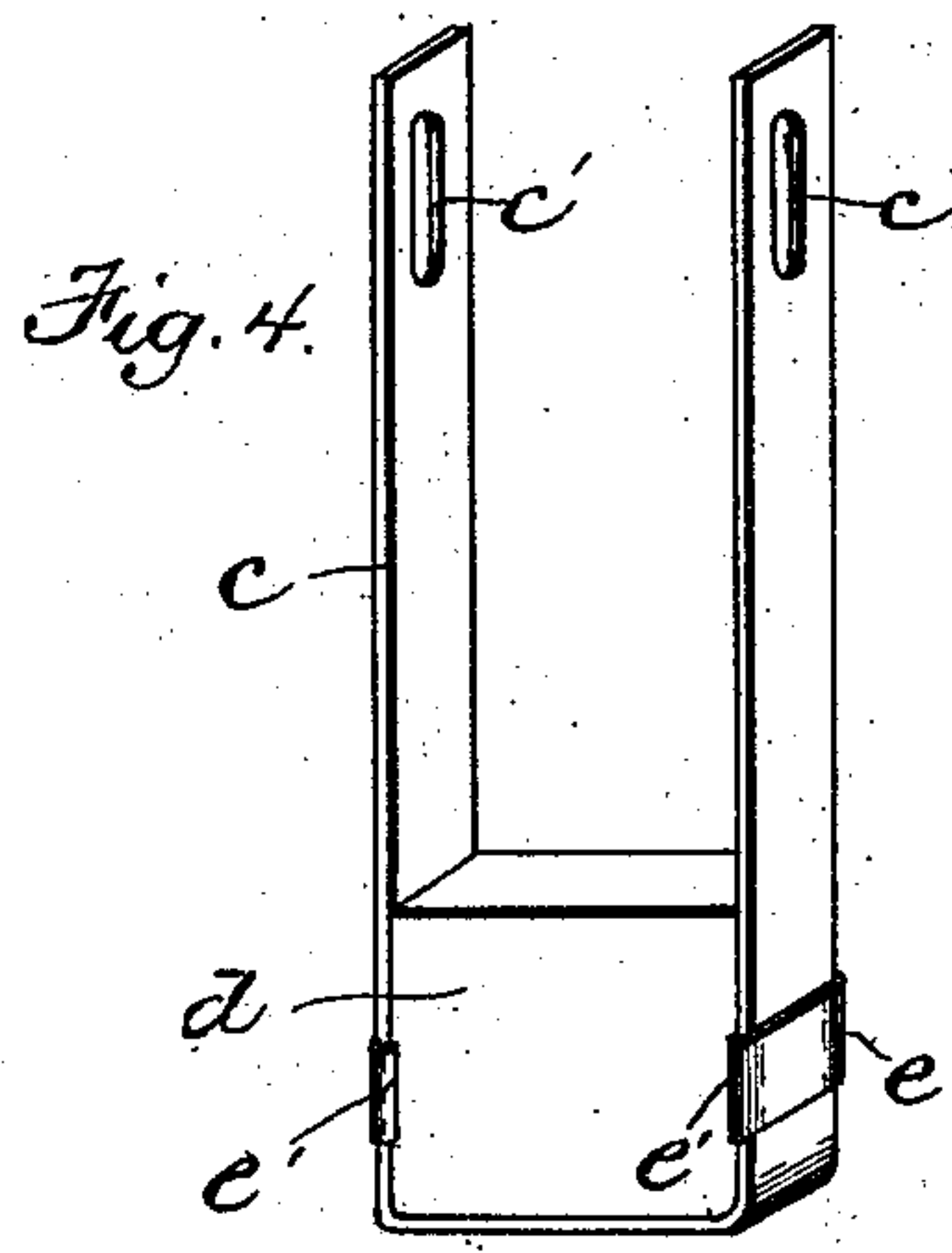
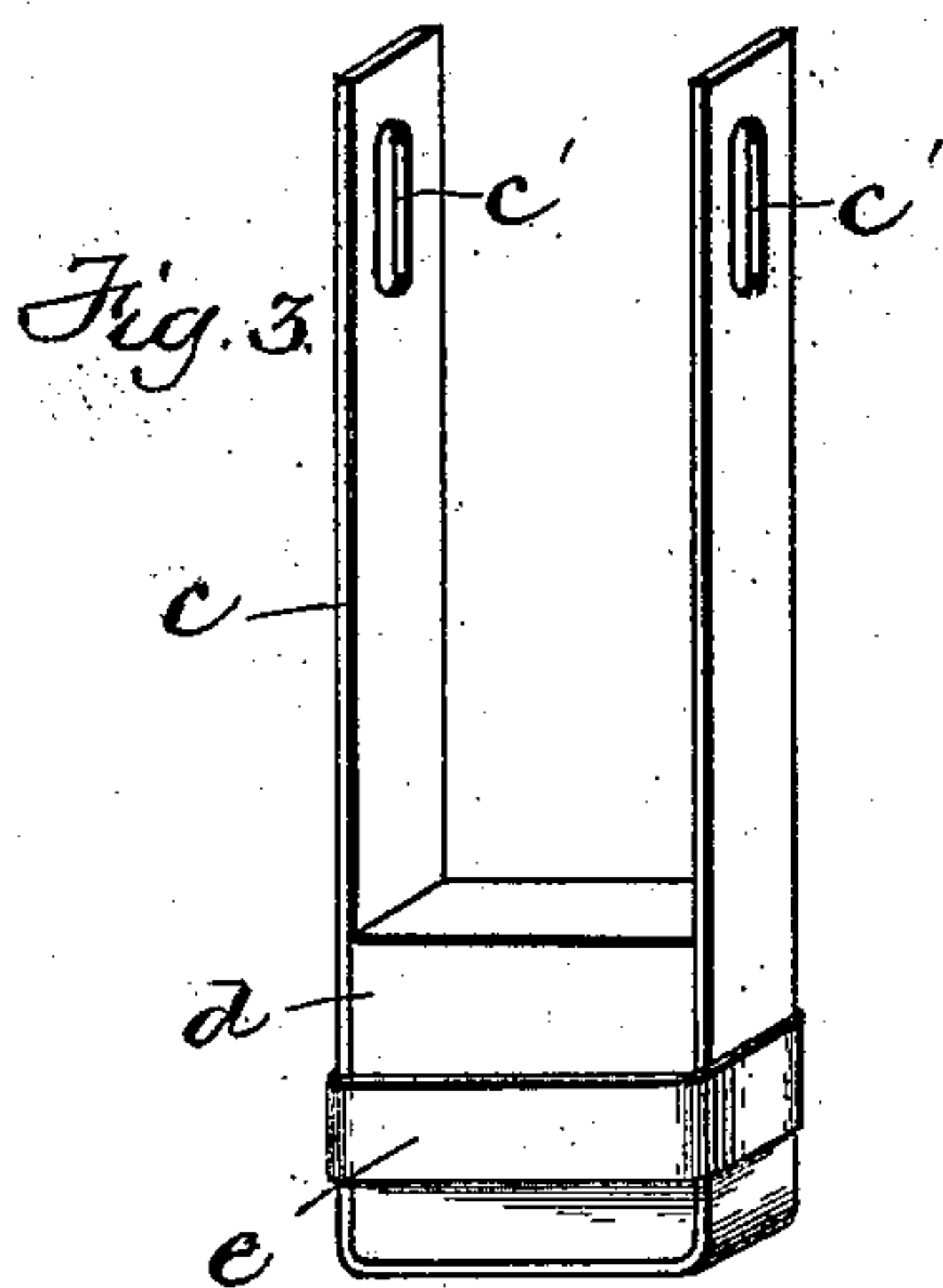
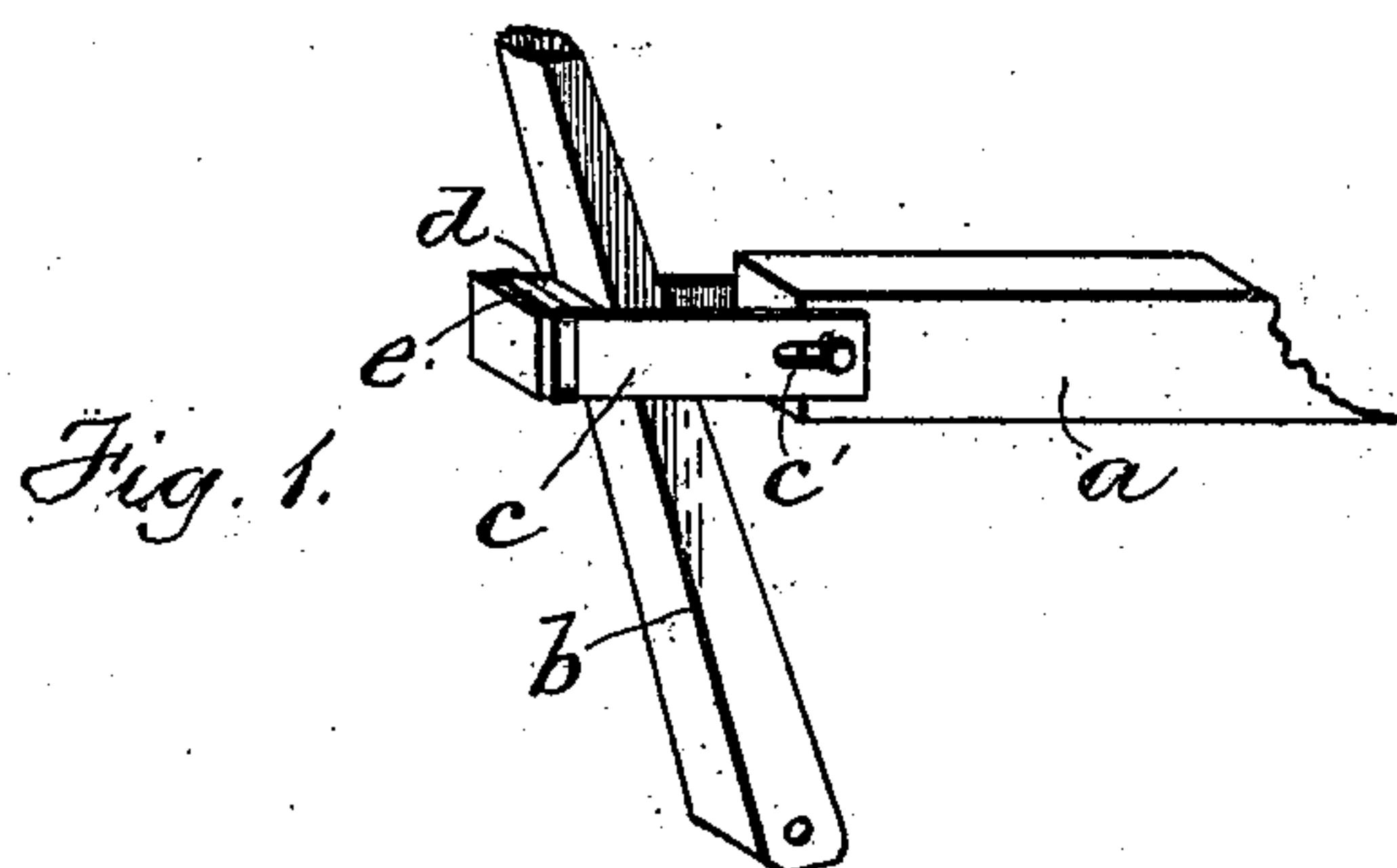


No. 842,176.

PATENTED JAN. 29, 1907.

G. G. COLBY.
LUG STRAP FOR LOOMS.
APPLICATION FILED DEC. 20, 1905.



Inventor

Witnesses

P. H. Pezzetta

E. Bateman

George G. Colby

UNITED STATES PATENT OFFICE.

GEORGE G. COLBY, OF MEDFORD, MASSACHUSETTS.

LUG-STRAP FOR LOOMS.

No. 842,176.

Specification of Letters Patent.

Patented Jan. 29, 1907.

Application filed December 20, 1905. Serial No. 292,663.

To all whom it may concern:

Be it known that I, GEORGE G. COLBY, of Medford, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Lug-Straps for Looms, of which the following is a specification.

This invention relates to straps or loops attached to the picker-rod of a loom to engage the picker-stick and impart motion thereto, the picker-rod being reciprocated and causing the picker-stick to oscillate.

The invention has for its object to provide an improved lug-strap having a detachable buffer or cushion for the picker-stick and improved means for securing the cushion in place.

The invention consists in the improvements which I will now proceed to describe and claim.

Of the accompanying drawings, forming a part of this specification, Figure 1 represents a perspective view showing portions of a picker-stick and a picker-rod, the latter having a lug-strap constructed in accordance with my invention. Fig. 2 represents a perspective view, on a larger scale, showing the lug-strap in the same position as that shown in Fig. 1. Figs. 3 and 4 represent perspective views of opposite sides of the lug-strap.

The same letters of reference indicate the same parts in all the figures.

In the drawings, *a* represents the picker-rod, and *b* represents one of the picker-sticks operated thereby. These parts may be of any well-known or suitable construction.

c represents a lug-strap comprising two side pieces or arms and a connecting-neck at the outer ends of the arms, the inner ends being provided with slots *c'* to receive attaching devices which secure the strap to the picker-rod *a*. The strap is preferably of sheet metal, although any other suitable material may be used.

d represents a buffer or cushion which is preferably a block of felt or other suitable cushioning material placed between the side arms of the strap and in contact with the neck connecting the said arms, the said cushion forming a yielding bearing-abutment for the picker-stick.

e represents a flexible sheet-metal retaining-strip the central portion of which ex-

tends across the upper side of the cushion *d*, its end portions being bent downwardly across the outer sides of the arms of the lug-strap. The extremities *e'* of the strip are bent upwardly, forming hooks which engage the lower edges of the arms of the lug-strap, and are interposed between the inner sides of said arms and the cushion. The said hooks project upwardly between the inner sides of the arms and the corresponding sides of the cushion and indent the flexible material of the cushion, so that they engage the cushion and prevent it from dropping from the strap when the latter is in its operative position, as shown in Figs. 1 and 2. It will be seen that the retaining-strip *e*, engaged, as described, with the cushion and lug-strap, prevents displacement of the cushion without interfering with its elasticity in the direction of the movements of the picker-stick. When the cushion becomes worn so that a new one is desirable, the worn cushion may be slipped outwardly from between the hooks *e'*, and the latter may then be bent to permit the removal of the strip *e*, after which a fresh cushion may be applied and secured by a new strip *e*, the latter being so inexpensive that it can be discarded after it has been once used.

It will be seen that my lug-strap is extremely inexpensive and is at the same time efficient and durable.

I claim—

A lug-strap comprising side arms and a connecting-neck, a cushion or buffer interposed between the arms and bearing upon the neck, and upon adjacent portions of the inner sides of the arms, and a flexible securing-strip extending across the upper side of the cushion and the upper edges and outer sides of the arms, its end portions being bent to form hooks engaging the lower edges of the arms, the said hooks projecting upwardly between the inner sides of the arms and the corresponding sides of the cushion, and engaging the latter to prevent the dropping of the cushion from the strap.

In testimony whereof I have affixed my signature in presence of two witnesses.

GEORGE G. COLBY.

Witnesses:

C. F. BROWN,
E. BATCHELDER.