

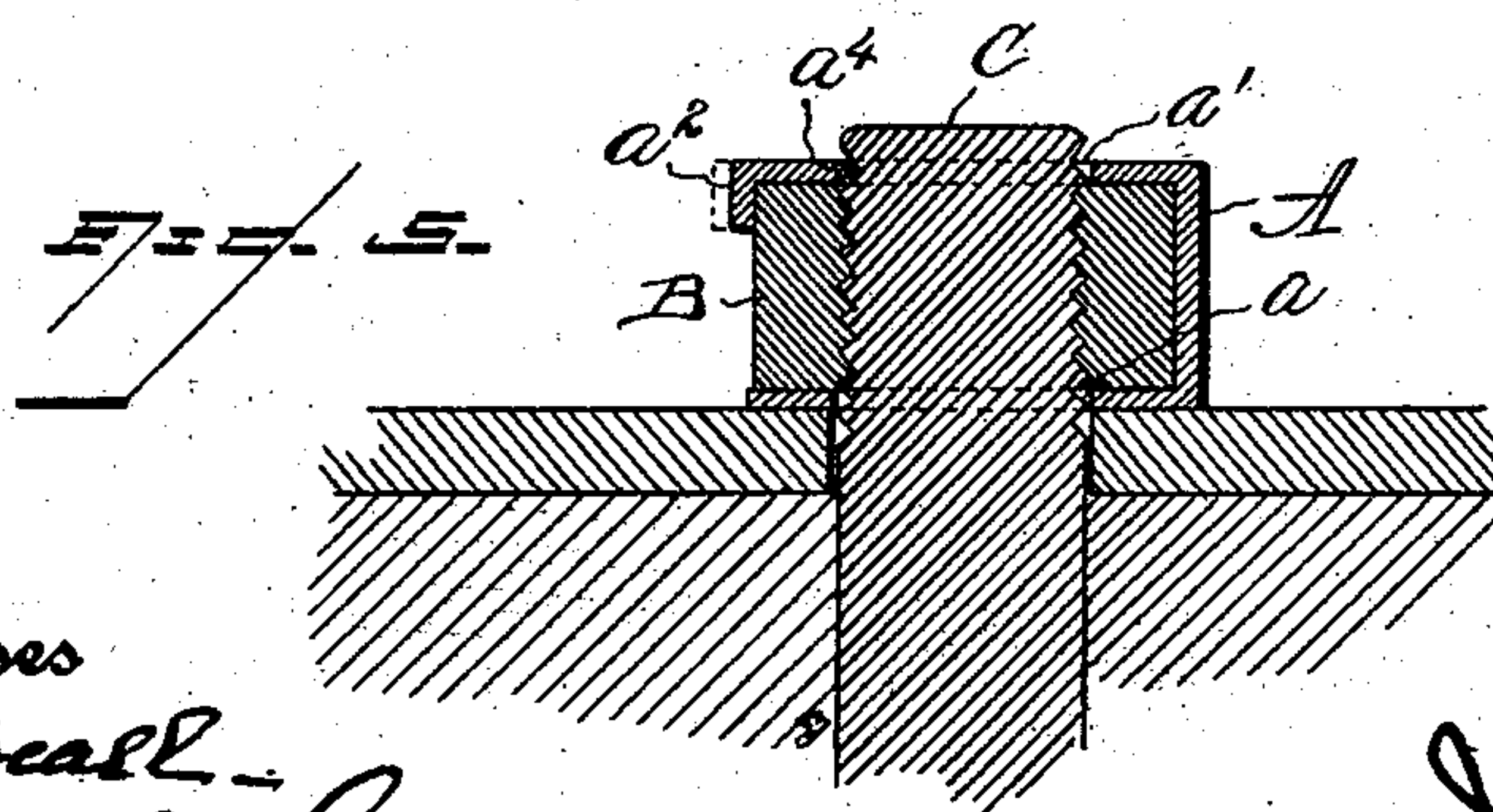
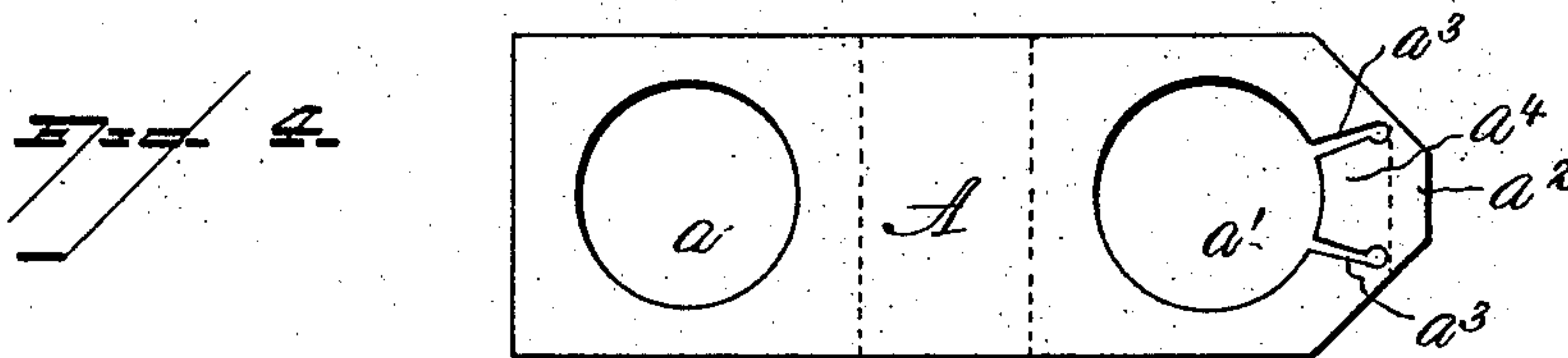
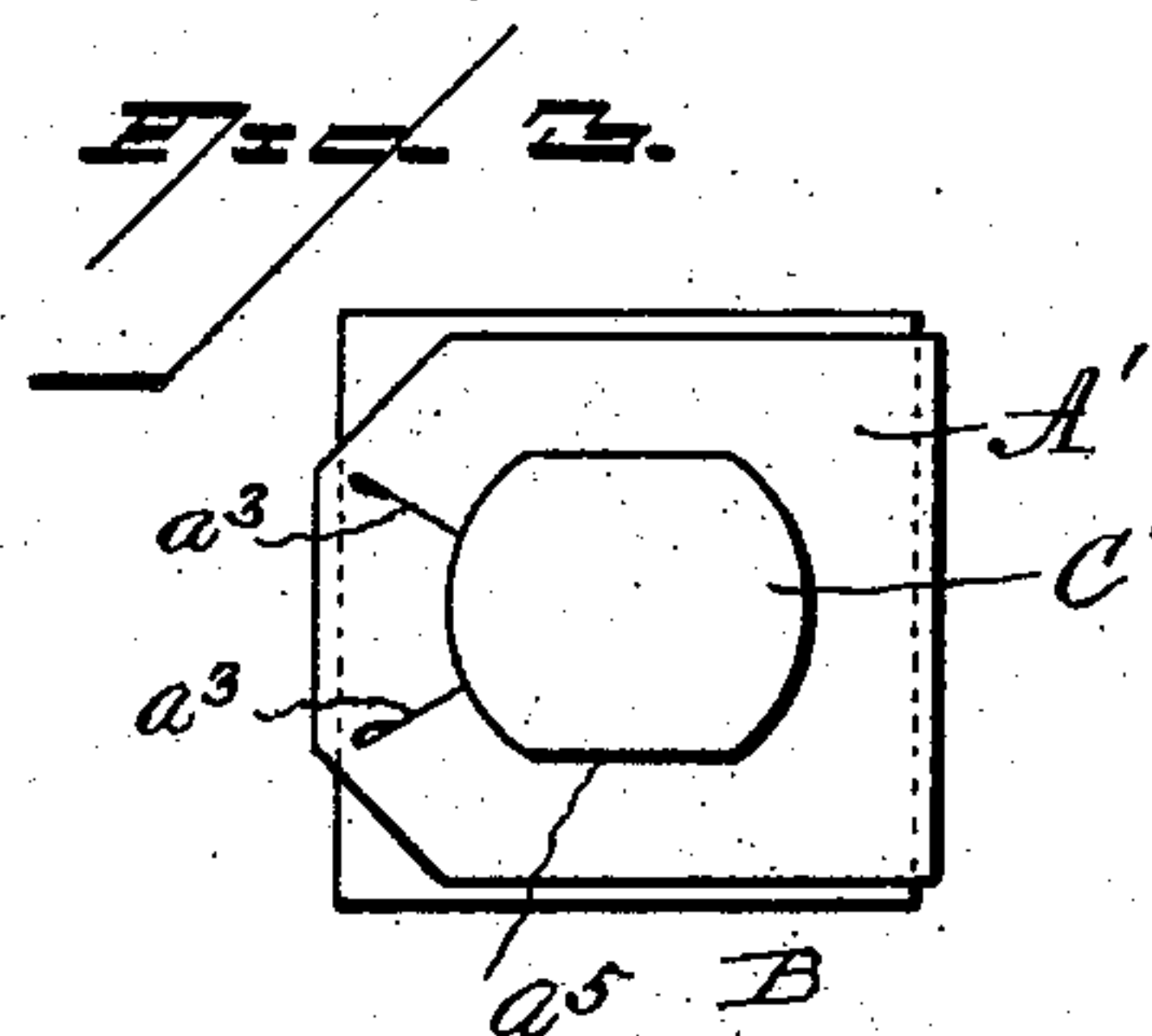
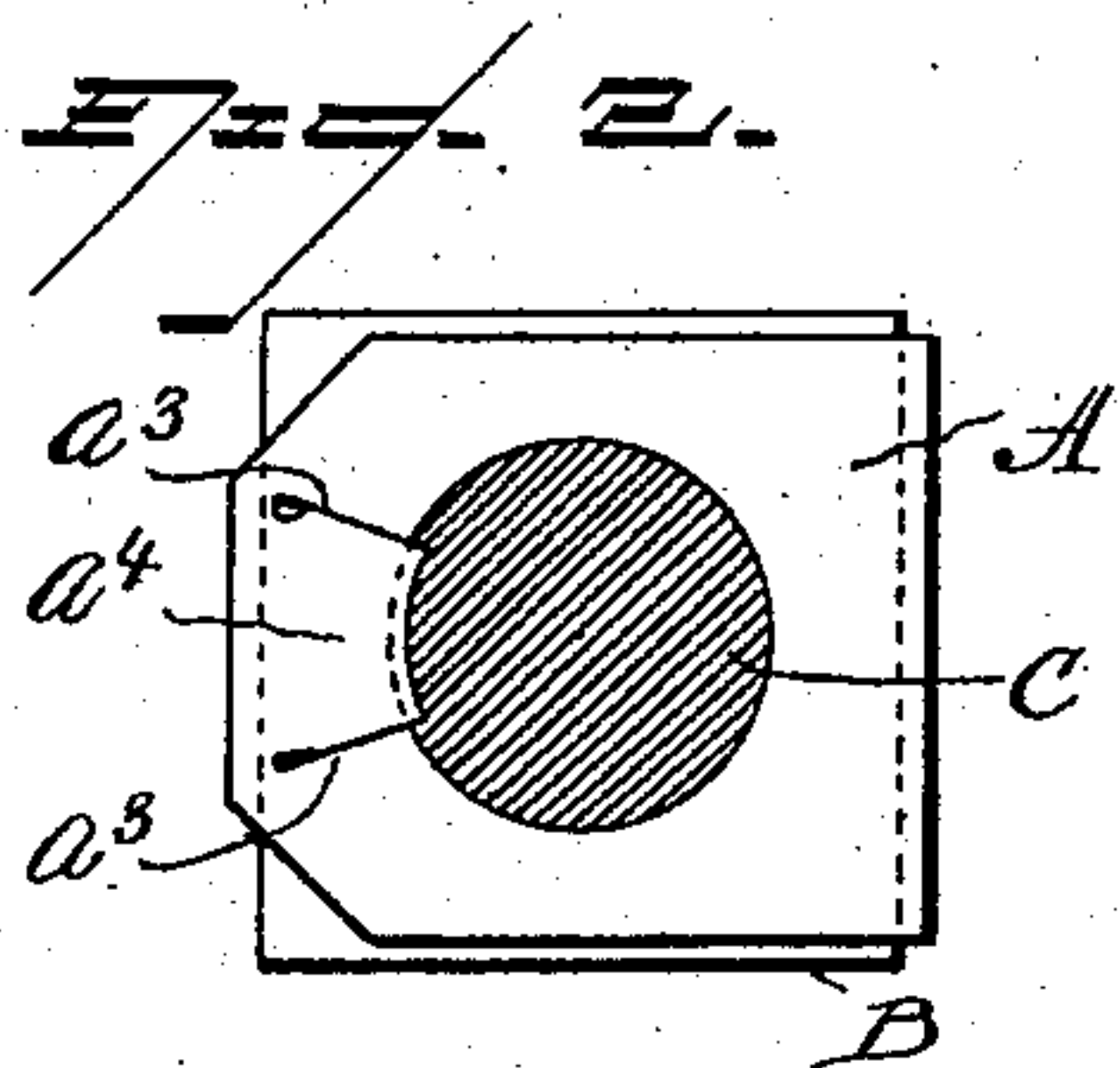
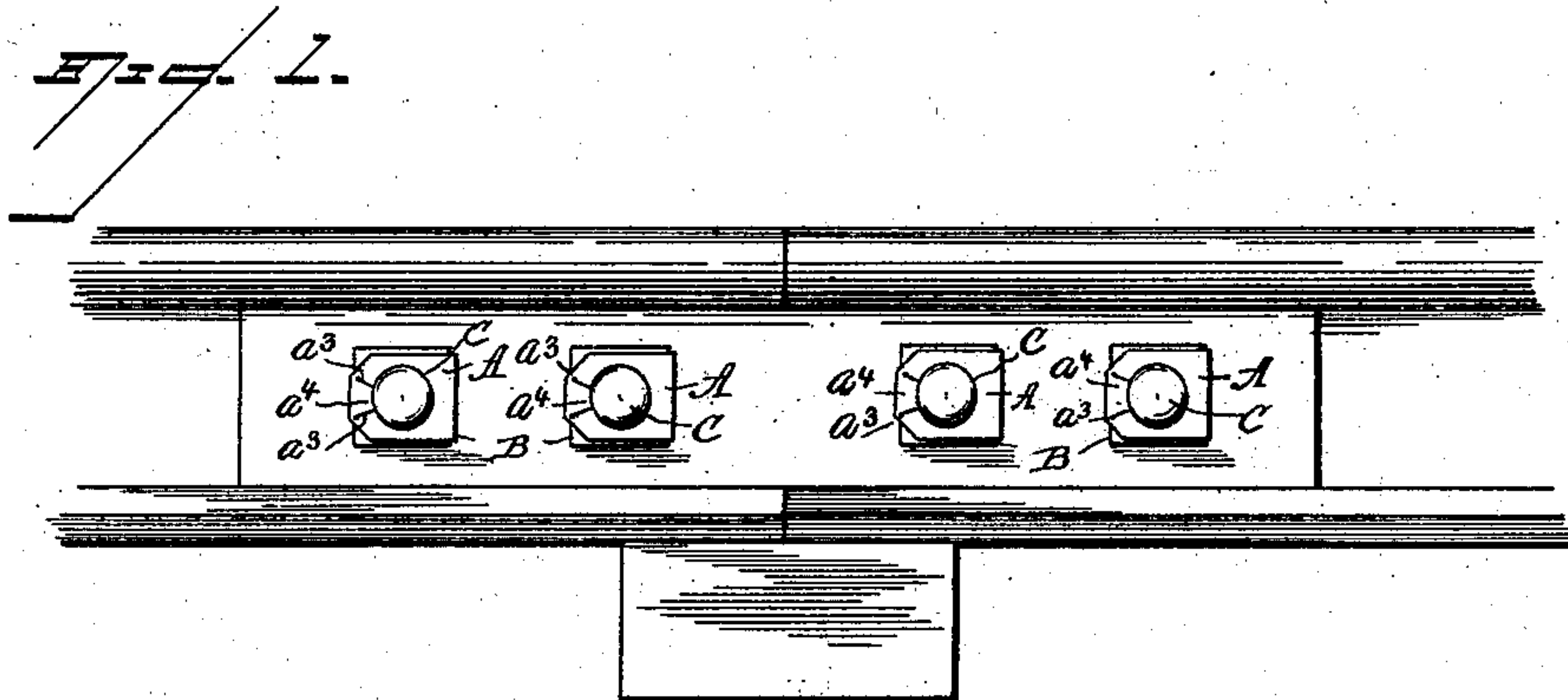
No. 702,642.

Patented June 17, 1902.

C. W. FAIST, JR.
NUT LOCK.

(Application filed Feb. 21, 1902.)

(No Model.)



Witnesses

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UNITED STATES PATENT OFFICE.

CHRISTIAN W. FAIST, JR., OF TROY, NEW YORK, ASSIGNOR OF ONE-THIRD
TO EDWARD E. FAIST, OF TROY, NEW YORK.

NUT-LOCK.

SPECIFICATION forming part of Letters Patent No. 702,642, dated June 17, 1902.

Application filed February 21, 1902. Serial No. 95,091. (No model.)

To all whom it may concern:

Be it known that I, CHRISTIAN W. FAIST, JR., a citizen of the United States, and a resident of Troy, in the county of Rensselaer and State of New York, have invented certain new and useful Improvements in Nut-Locks, of which the following is a specification.

The object of my invention is to provide a simple and effective means for locking a nut upon its bolt in which the construction and operation of the locking means are such that it can be applied to any ordinary bolt and nut and will positively prevent the nut from turning upon the bolt.

The nut-locking device is especially adapted for application to the nuts and bolts used in connecting railroad-rails; but it will be obvious that it may be used in all cases where such a lock is desired.

Having the foregoing objects in view, the invention consists in the combination, with a bolt and nut, of a washer-plate having an extension at one side adapted to be bent around the nut over the face of the same, that portion of the plate lying against the face of the nut being provided with means which engage the bolt, whereby the nut and bolt are firmly locked together.

The invention further consists in the particular construction of the parts, all as hereinafter described and specifically claimed.

In the accompanying drawings, which form a part of this specification, Figure 1 is an elevation showing the application of my invention in connecting railroad-rails. Fig. 2 is a detail plan view, the bolt being in section. Fig. 3 is a similar view, in which the end of the bolt is squared for engagement of the plate therewith. Fig. 4 is a detail plan view of the plate. Fig. 5 is a sectional view.

In carrying out my invention I employ a metal plate A, which is rectangular in shape and provided at one end with a circular opening a , through which the bolt is adapted to pass, the other end of said plate being also provided with an opening a' for the end of the bolt, while the terminal portion is reduced

in width, as at a^2 , and provided with slits a^3 and tongue a^4 for the purpose hereinafter explained.

The nut B is of the ordinary construction, preferably rectangular, and is not required to be changed or altered in any manner for the purpose of applying my locking means thereto. The bolt C is also preferably a plain bolt, as shown; but it may be flattened at opposite sides at the terminal portion thereof, as indicated in Fig. 3, for engagement with the sides of a corresponding opening a^5 in the locking-plate.

In the operation of applying my improved locking device the plate A is placed upon the threaded end of the bolt C, so that said bolt will project through the opening a . The nut B is screwed upon the bolt against said plate. The projecting portion of the plate is then bent around the nut over the face of the same and over the end of the bolt, and the reduced terminal portion a^2 is bent downward and struck with a hammer to force or embed the tongue in the side of the bolt. As shown in Fig. 3, the flattened sides of the end of the bolt are engaged by the sides of the plain opening a^5 . In each case the nut is firmly secured or locked directly to the end of the bolt and prevented from turning thereon.

It will be noted that the terminal portion of the locking-plate projects a slight distance from the edge of the nut before it is finally struck to lock the parts together; also, that the end of the plate in which the opening a is formed practically provides a washer for the nut in addition to its other function—i. e., that of assisting to hold the device in place.

The device can be readily and conveniently applied and possesses the feature of application to an ordinary bolt and nut. It is also easily removed by inserting an implement under the terminal portion or lip a^2 and prying the plate away from the nut and bolt. The plate may be provided with grooves or kerfs where it is to be bent.

Having thus described my invention, I claim—

In a nut-lock, the combination with the nut and bolt, of a plate A having openings at opposite ends through which the bolt is adapted to pass, the said plate being bent around the
5 nut and across the face thereof, a reduced portion a^2 at the outer end of the plate adapted to be bent down alongside of the nut and provided with slits at opposite sides thereof,

and a tongue, substantially as shown and for the purpose set forth.

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

CHRISTIAN W. FAIST, JR.

Witnesses:

JOHN WILSON,

FRED PRYOR.