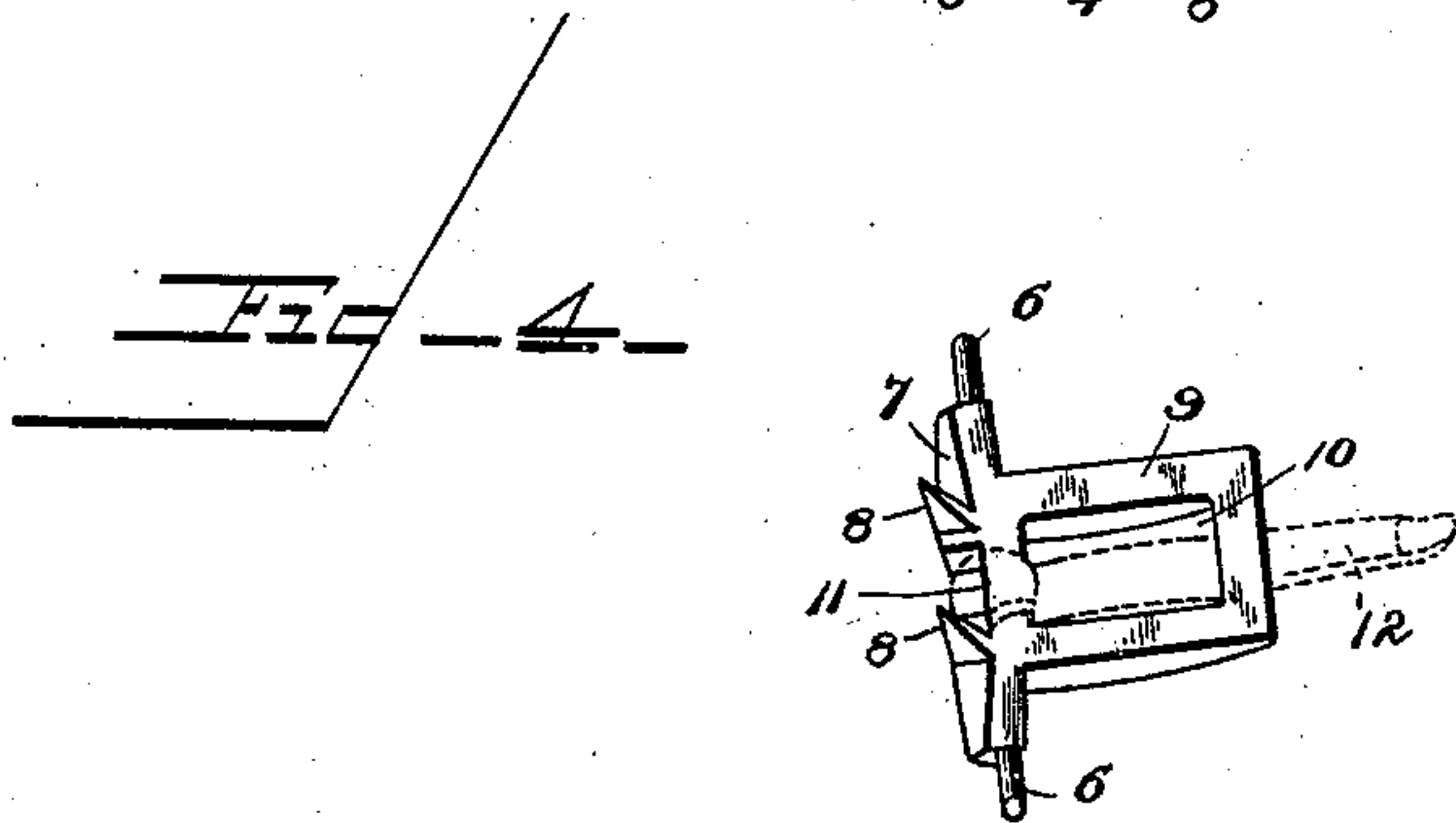
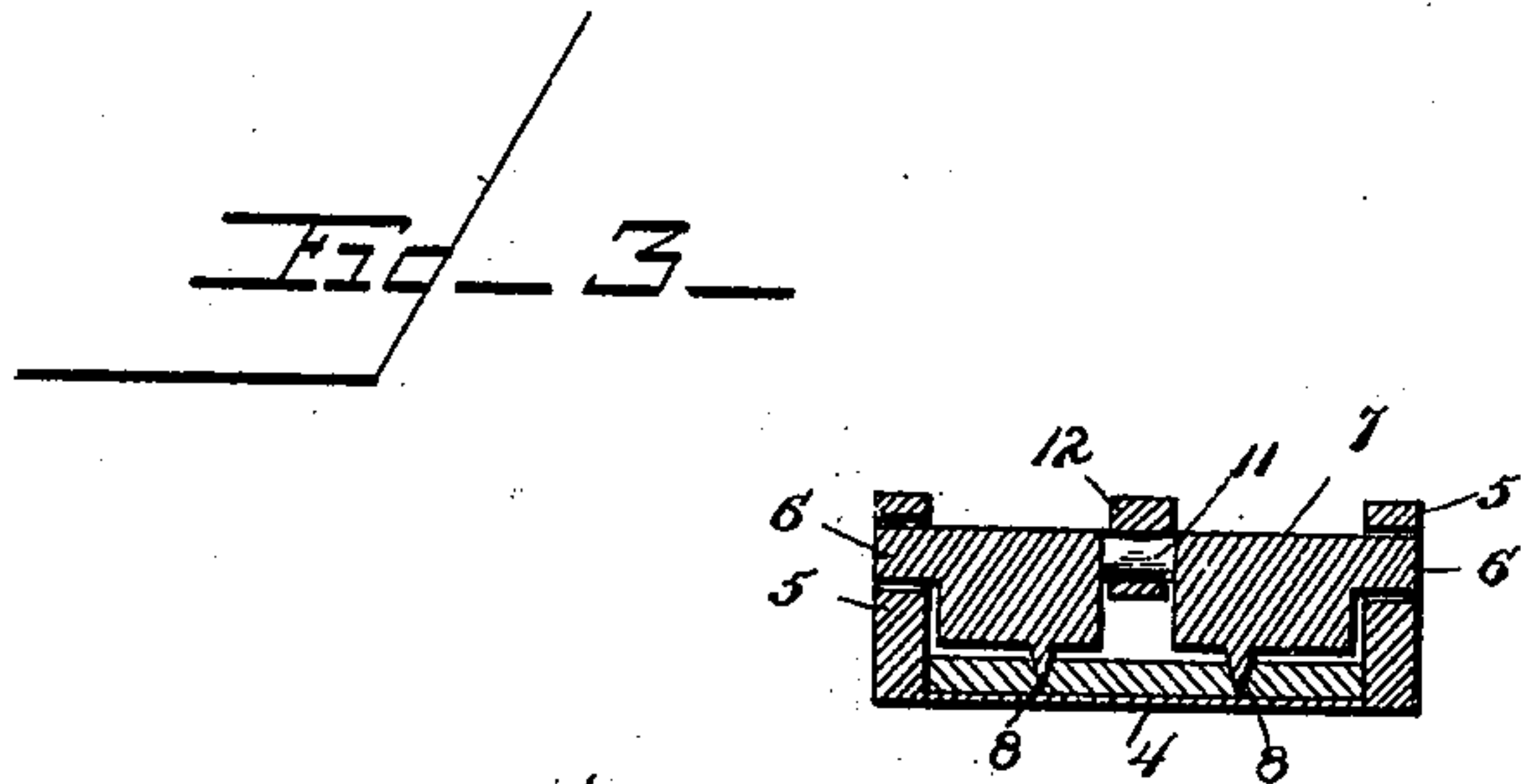
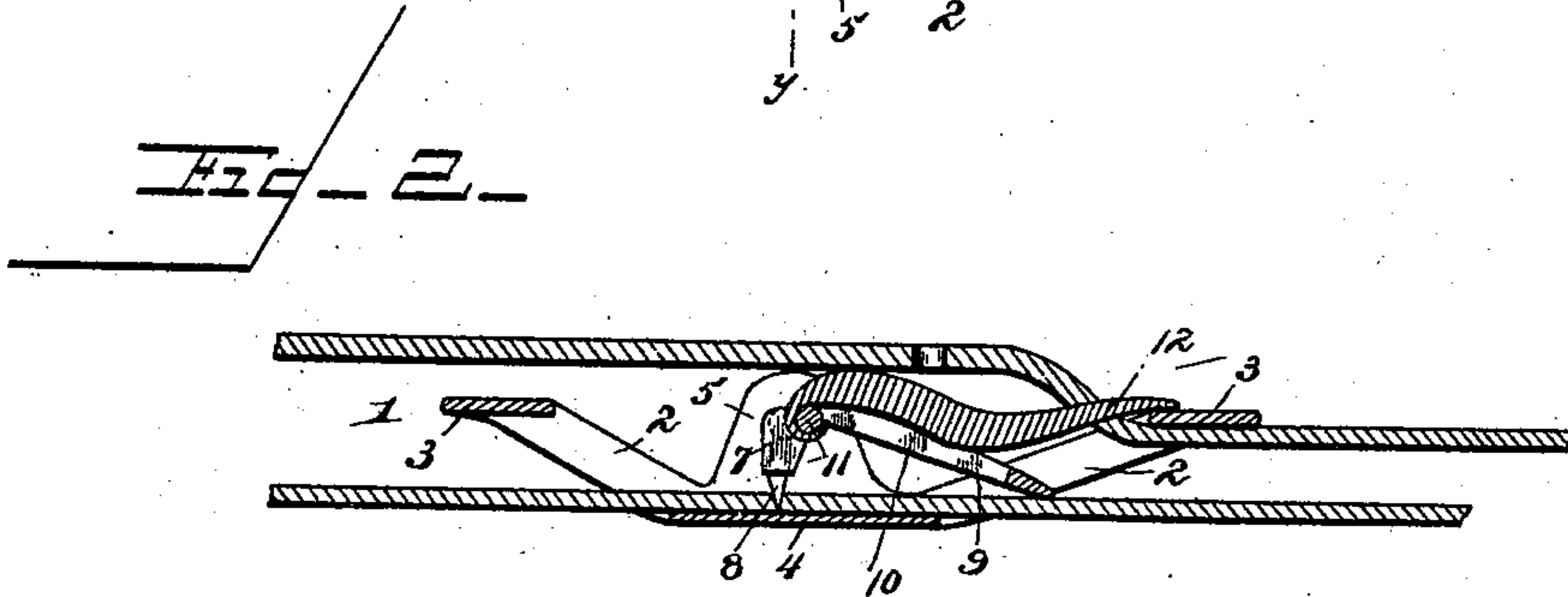
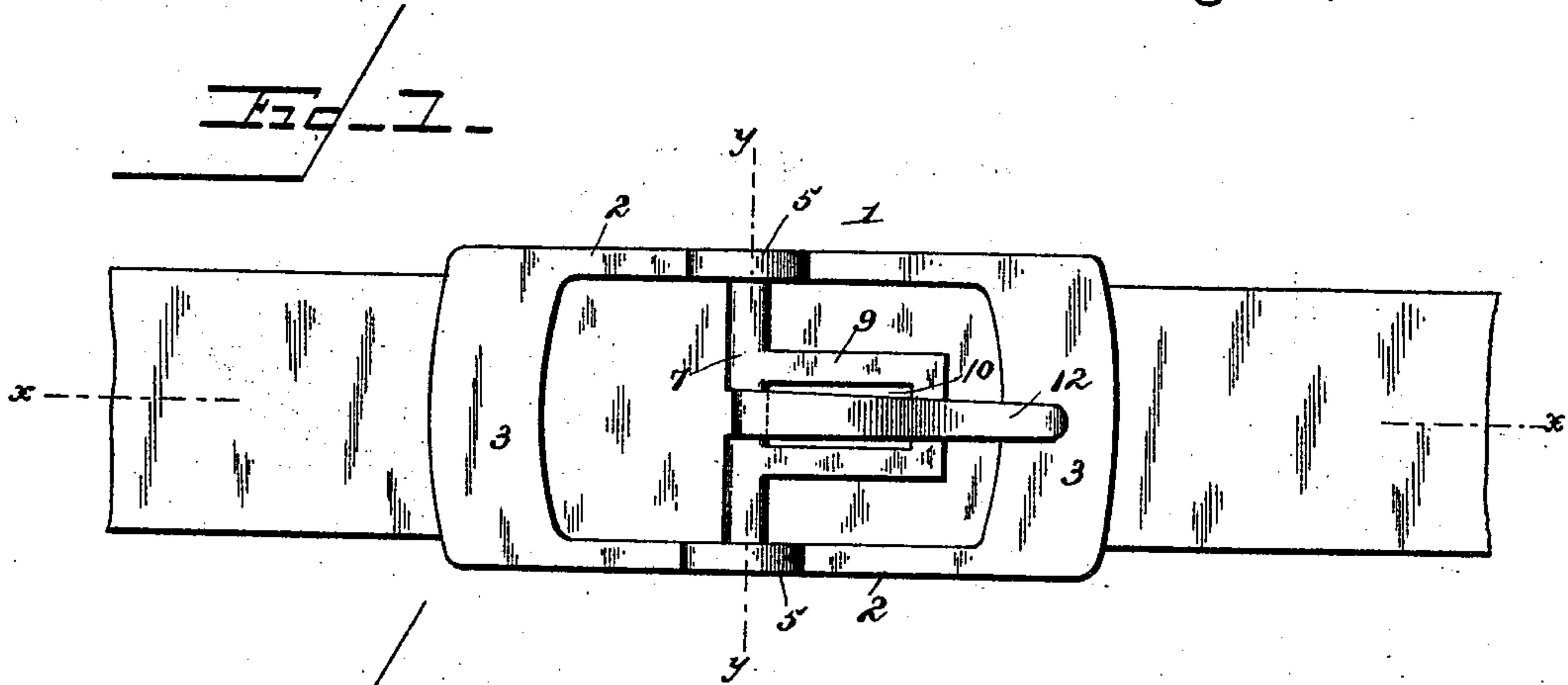


(No Model.)

E. MANES.
BUCKLE.

No. 544,678.

Patented Aug. 20, 1895.



Inventor,
Ephraim Manes,

Witnesses

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By his Attorneys,

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UNITED STATES PATENT OFFICE.

EPHRAIM MANES, OF SHERMAN HEIGHTS, TENNESSEE, ASSIGNOR OF TWO-THIRDS TO THOMAS J. COCHRAN, OF INVERNESS, FLORIDA, AND ALBERT W. GAINES, OF CHATTANOOGA, TENNESSEE.

BUCKLE.

SPECIFICATION forming part of Letters Patent No. 544,678, dated August 20, 1895.

Application filed January 9, 1895. Serial No. 534,368. (No model.)

To all whom it may concern:

Be it known that I, EPHRAIM MANES, a citizen of the United States, residing at Sherman Heights, in the county of Hamilton and State of Tennessee, have invented a new and useful Buckle, of which the following is a specification.

This invention relates to buckles; and it has for its object to provide a new and useful improvement in buckles especially adapted for use on harness, wherein simple and efficient means shall be provided for fastening one end of a strap to the buckle without the use of rivets or sewing, which are the common means for fastening one end of a strap permanently to a buckle.

To this end the main and primary object of the present invention is to provide a new and useful fastening device for a buckle, to provide means for securely and detachably fastening one end or other part of a strap within the buckle.

With these and other objects in view, which will readily appear as the nature of the invention is better understood, the same consists in the novel construction, combination, and arrangement of parts hereinafter more fully described, illustrated, and claimed.

In the drawings, Figure 1 is a plan view of a harness-buckle provided with the herein-described improvement. Fig. 2 is a central longitudinal sectional view on the line *x x* of Fig. 1. Fig. 3 is a transverse sectional view on the line *y y* of Fig. 1. Fig. 4 is a detail in perspective of the rotatable eccentric fastening-bar and the slotter lever-piece thereof, showing in dotted lines the connection of the buckle-tongue with the fastening-bar.

Referring to the accompanying drawings, 1 designates a buckle-frame that is of an ordinary rectangular form and essentially comprises the opposite parallel side bars 2 and the opposite flat end bars 3, connecting the opposite ends of the side bars. The said buckle-frame 1 is further provided at an intermediate point with a transverse flat cross bar or plate 4, connecting the opposite side bars 2 and located in a parallel plane to the flat end bars 3. The side bars 2 of the buckle-frame are provided on the side of the frame

opposite the cross bar or plate 4 with integral offstanding perforated bearing ears or lugs 5, that loosely receive therein the spindle extremities 6 of a rotatable eccentric fastening-bar 7, that is arranged to work within the buckle-frame directly opposite the transverse flat cross bar or plate 4.

The rotatable eccentric fastening-bar 7 is provided at one side with integral offstanding fastening teeth or spurs 8, that are adapted to pierce into the strap X, that is adapted to be fastened by the fastening-bar between the same and the cross bar or plate 4, and said fastening-bar is further provided with an integral offstanding rectangular lever-piece 9, that is provided with a longitudinally-disposed slot 10, and is projected from the side of the fastening-bar opposite the teeth or spurs 8 and at substantially right angles thereto, so that by moving the lever-piece inward within the buckle-frame the said teeth or spurs will be forced into the strap to fasten the same securely in position, and by moving said lever-piece outward from within the frame the spurs or teeth of the fastening-bar will be carried out of engagement with the strap, so as to release the same from the buckle.

The fastening-bar 7 is provided at the inner end of its longitudinally-slotted lever-piece 9 with an integral pintle portion 11, that is disposed eccentrically to the fastening-bar and has pivotally secured thereto one end of the ordinary buckle-tongue 12, the other end of which works over one of the end bars of the buckle-frame in the usual way to provide for the connection of the free end of the strap with the buckle, and when said buckle-tongue is held engaged with the free end of the strap the tongue will be held in position directly over and partly in the slot of said lever-piece, and provides for locking said lever-piece to prevent the turning of the fastening-bar and the consequent releasement of the strap fastened thereon.

The many advantages of the herein-described fastening device for buckles will be readily apparent to those skilled in the art, and it will be understood that changes in the form, proportion, and the minor details of

construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

Having thus described the invention, what is claimed, and desired to be secured by Letters Patent, is—

1. In a fastening device of the class described, the combination of a buckle frame provided at an intermediate point with a cross bar and opposite bearing ears or lugs, a rotatable eccentric fastening bar mounted in said bearing ears or lugs, opposite said cross bar, and provided with an offstanding lever piece, and the buckle tongue pivotally connected at one end to said eccentric bar, substantially as set forth.

2. In a fastening device of the class described, the combination of a buckle frame provided at an intermediate point with a cross

bar and opposite bearing ears or lugs, a rotatable eccentric fastening bar fitted at its ends in said bearing ears or lugs and provided with fastening teeth or spurs projected from one side thereof, a rectangular lever piece projected from one side thereof opposite the teeth or spurs and at an angle to the latter, and an integral eccentrically disposed pintle portion located at the inner end of said lever piece, and the buckle-tongue pivotally connected at one end to the pintle portion of said fastening bar, substantially as set forth.

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

EPHRAIM MANES.

Witnesses:

JOHN H. EARLY,
FRANK A. NELSON.