

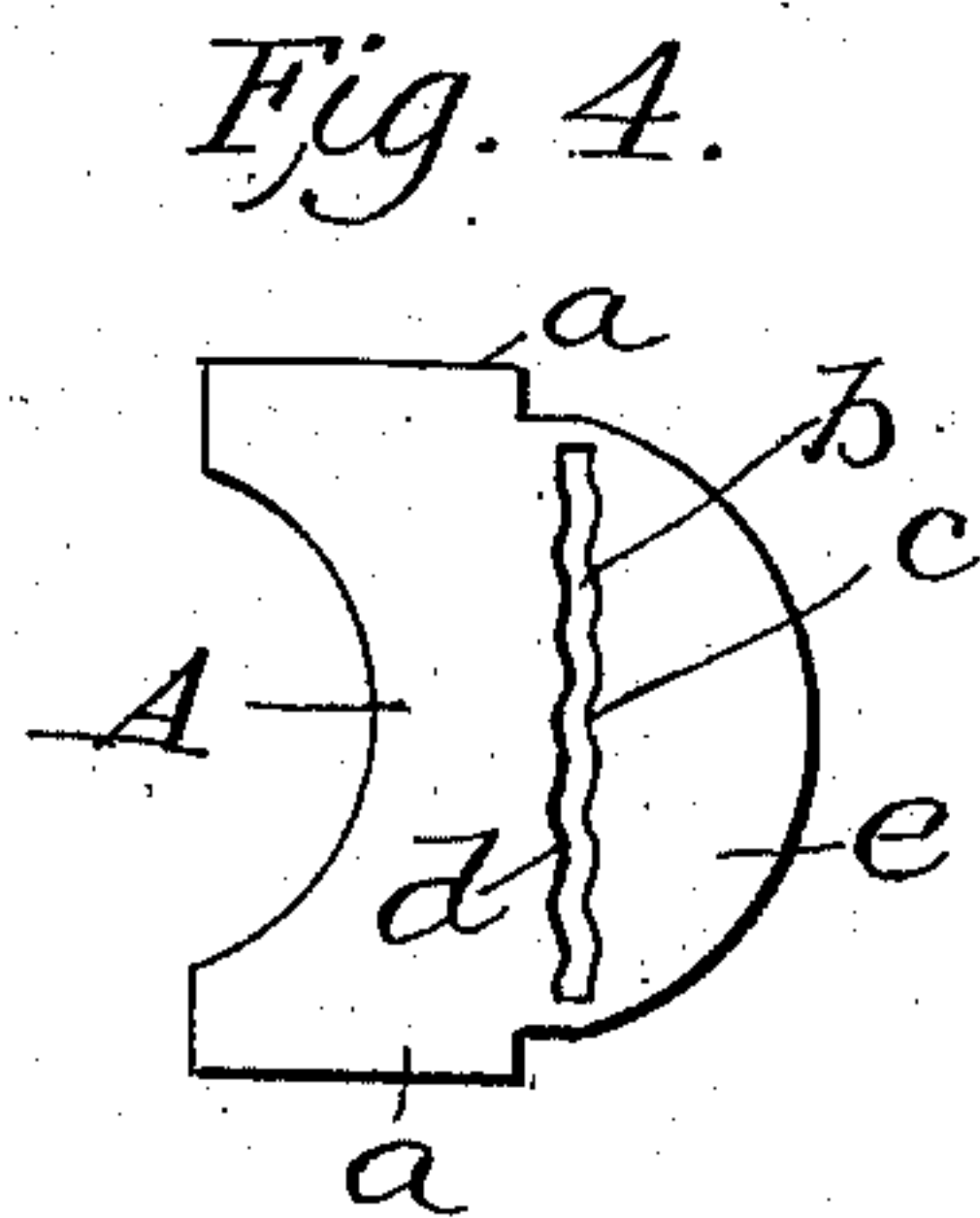
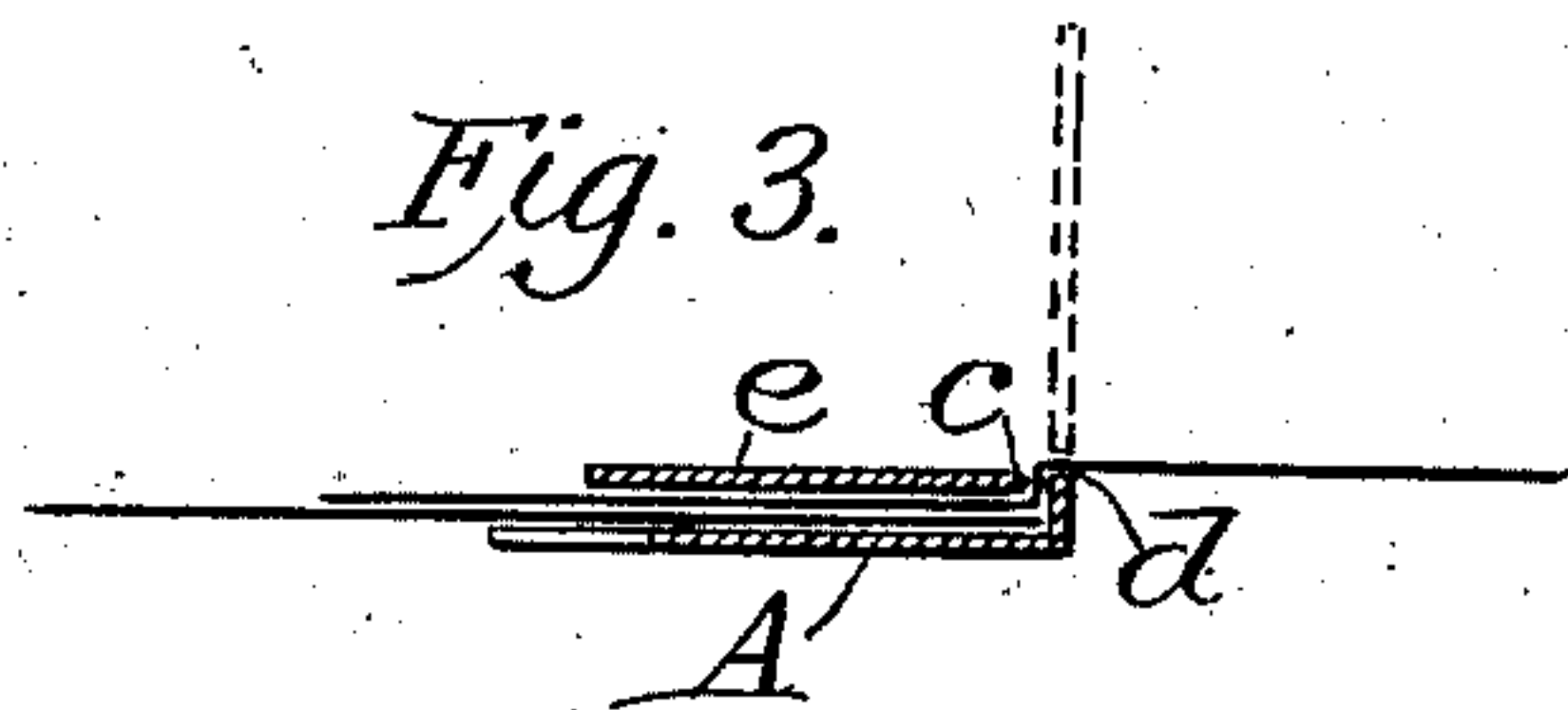
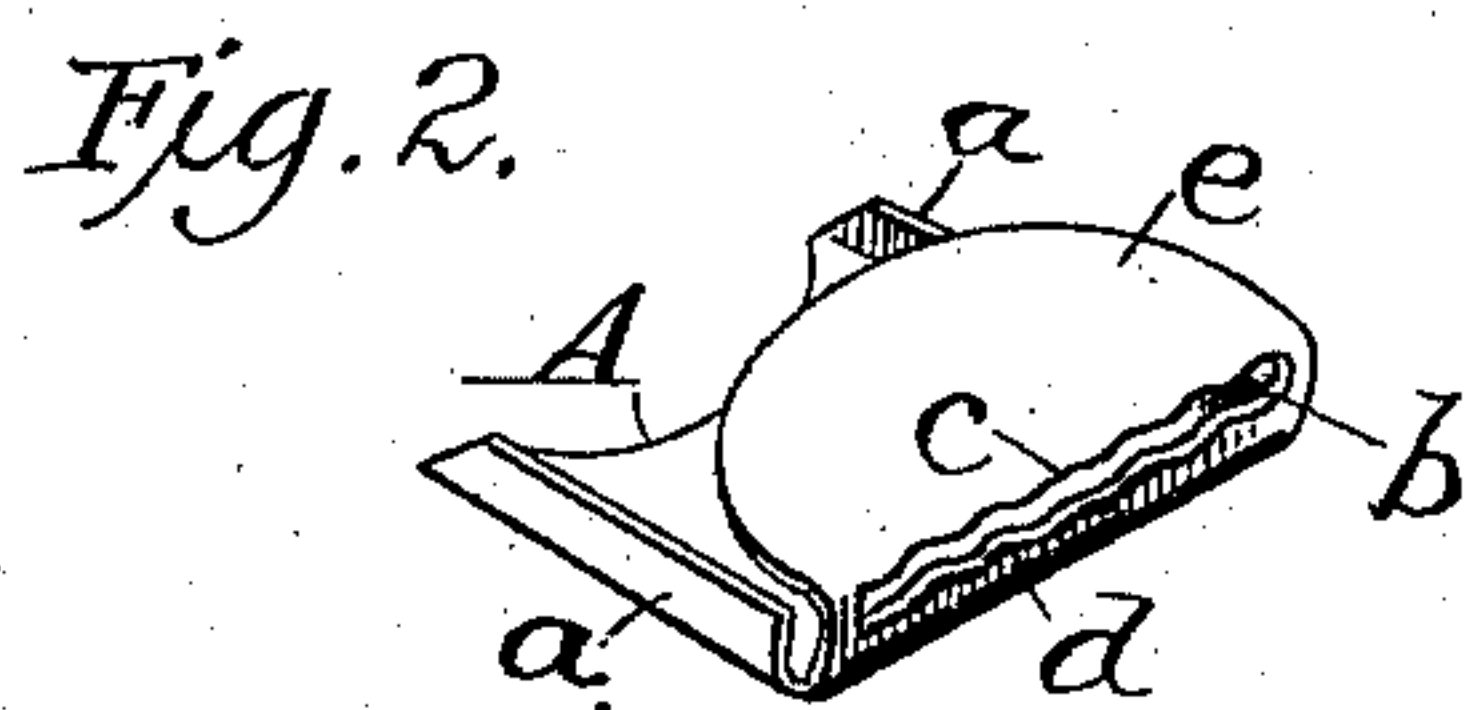
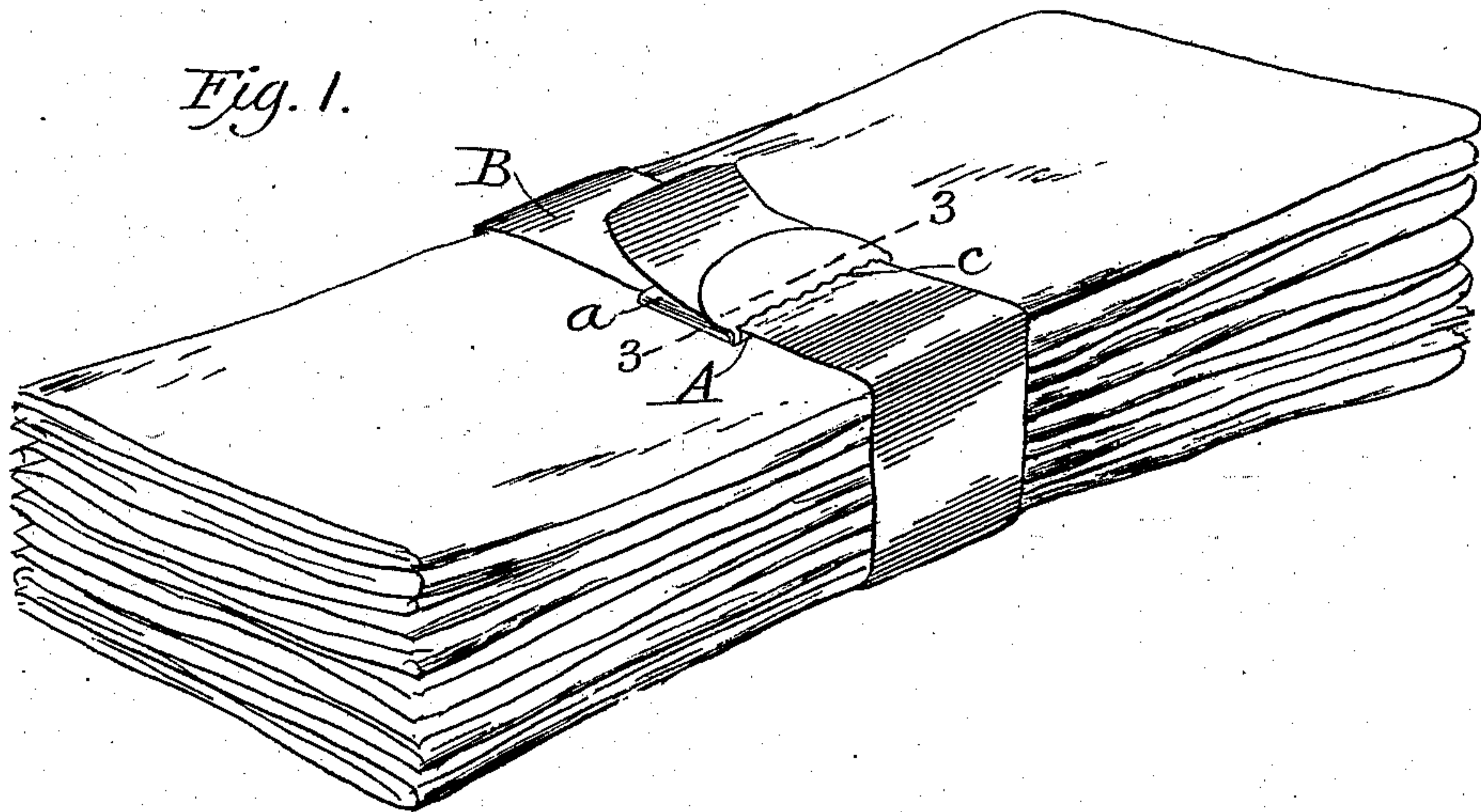
No. 698,470.

Patented Apr. 29, 1902.

A. L. DRAKE.
FASTENING DEVICE.

(Application filed Sept. 12, 1901.)

(No Model.)



WITNESSES:

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FASTENING DEVICE.

SPECIFICATION forming part of Letters Patent No. 698,470, dated April 29, 1902.

Application filed September 12, 1901. Serial No. 75,199. (No model.)

To all whom it may concern:

Be it known that I, ALSON L. DRAKE, a citizen of the United States, residing at New York, in the county and State of New York, have invented certain Improvements in Fastening Devices, of which the following is a full, clear, and exact description.

My invention relates to fastening devices adapted for a variety of purposes—such, for instance, as a binder for papers or documents; and the object of said invention is to provide a fastening device which is simple in construction and operation, which is cheap to manufacture, and is efficient in use.

To these ends my invention consists in a fastening device of the character hereinafter described, and particularly pointed out in the claims, reference being had to the accompanying drawings, wherein like reference characters designate corresponding parts in the various views.

Figure 1 is a perspective view of one form of a fastening device embodying my invention, the said device being shown in use. Fig. 2 is a detail perspective view of the clamp. Fig. 3 is a transverse sectional view through the clamp, the section being taken on the line 3 3 of Fig. 1. Fig. 4 is a detail plan view of the blank from which the clamp is formed.

Referring to the drawings, A designates the body of the plate from which the clamp is formed. This clamp may be made of any suitable ductile material—such, for instance, as aluminium, or an alloy thereof, or of flexible brass. The body-plate of the clamp is provided with laterally-extended ears or projections *a*, which are adapted to be turned down into the position illustrated in Fig. 1 of the drawings, and thereby clamp a suitable strap B between them and the body of the plate, as indicated in Fig. 1. This band B may be of any suitable material—such, for instance, as a combination of textile material and paper such as is employed in the manufacture of envelopes. The plate A is likewise apertured, as indicated at *b*, for the reception of the free end of the band B. The opposite walls of the aperture *b* are preferably serrated, as indicated at *c d*, and a tongue or finger-piece *e* is provided, so that the metal may be bent upon substantially

the line of the perforation *b* after the free end of the band B has been inserted in the aperture.

It will be understood that after the free end of the band B has been inserted in the aperture *b* and the tongue *e* is moved or bent from the position represented in dotted lines in Fig. 3 of the drawings to that indicated in full lines in the same figure and in Fig. 1 the serrated walls, which constitute binding-jaws, will bind the inserted band between them, thus forming an efficient bite, as represented in Fig. 3, to prevent the withdrawal of the free end of the band. It will be seen that the bite thus formed is such that the greater the pressure on the band the tighter will be the binding action of the clamping-jaws on the band. The ductile quality of the metal of which the clamp is formed is sufficient to maintain it in the position to which it is bent and at the same time will enable the tongue or the finger-piece *e* thereof to be bent on substantially the line of the perforation *b* to permit the insertion or withdrawal of the free end of the band, as hereinbefore described.

It will be observed that the clamp, which is in the nature of a buckle, is made in a single piece and can be made at small cost and that simple means are provided for effectually securing one end of the strap thereto, whereas the free end of the strap can be quickly secured to the clamp or readily removed therefrom at will.

Having described my invention, what I claim, and desire to secure by Letters Patent, is—

1. A device of the character specified comprising an apertured plate of ductile material which is adapted to be bent on substantially the line of the aperture therein so that the walls of said aperture will constitute binding-jaws.

2. A device of the character specified comprising a plate of ductile metal which has an elongated band-receiving aperture therein, the walls of said aperture being serrated and adapted to constitute binding-jaws for securing the band to the plate and means carried by said plate and formed integral therewith for permanently securing the opposite end of the band to said plate.

3. In a device of the character specified,
the combination of a clamp formed of a sin-
gle piece of ductile metal and provided with
clamping-ears which are adapted to perma-
5 nently secure said clamp to one end of a band
and having an elongated perforation there-
in, the walls of which perforation are serrated
to form clamping-jaws and a band perma-
nently secured to the clamp by the clamping-

ears and its free end adapted to pass through to
the elongated aperture in said clamp and be
secured thereto when a portion of the clamp
carrying one of the jaws is bent from its in-
itial position.

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Witnesses:

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