

No. 657,439.

Patented Sept. 4, 1900.

J. O. MUENICH.
OFFICE ENVELOP FASTENER.

(Application filed May 9, 1900.)

(No Model.)

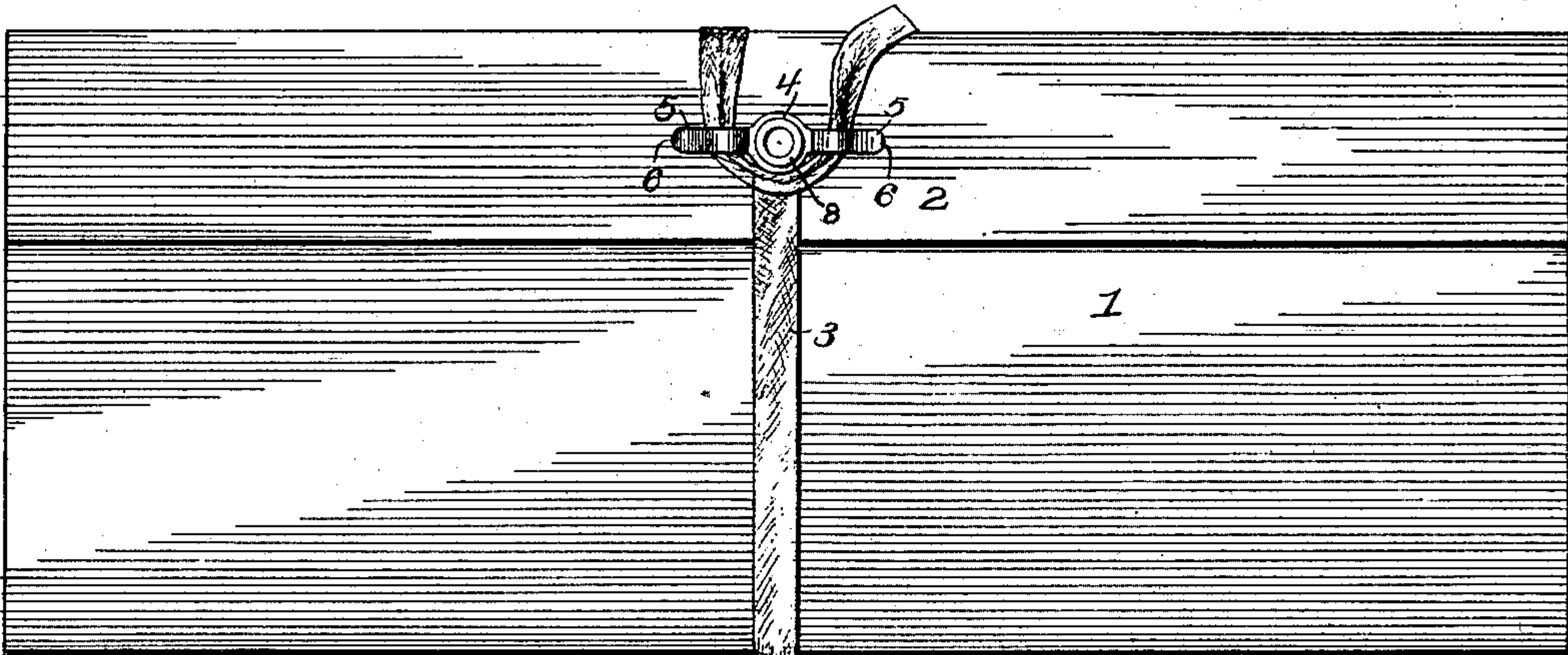


Fig. 1.

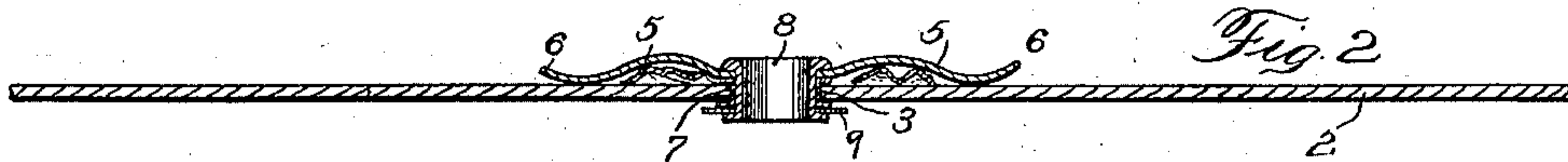


Fig. 2.

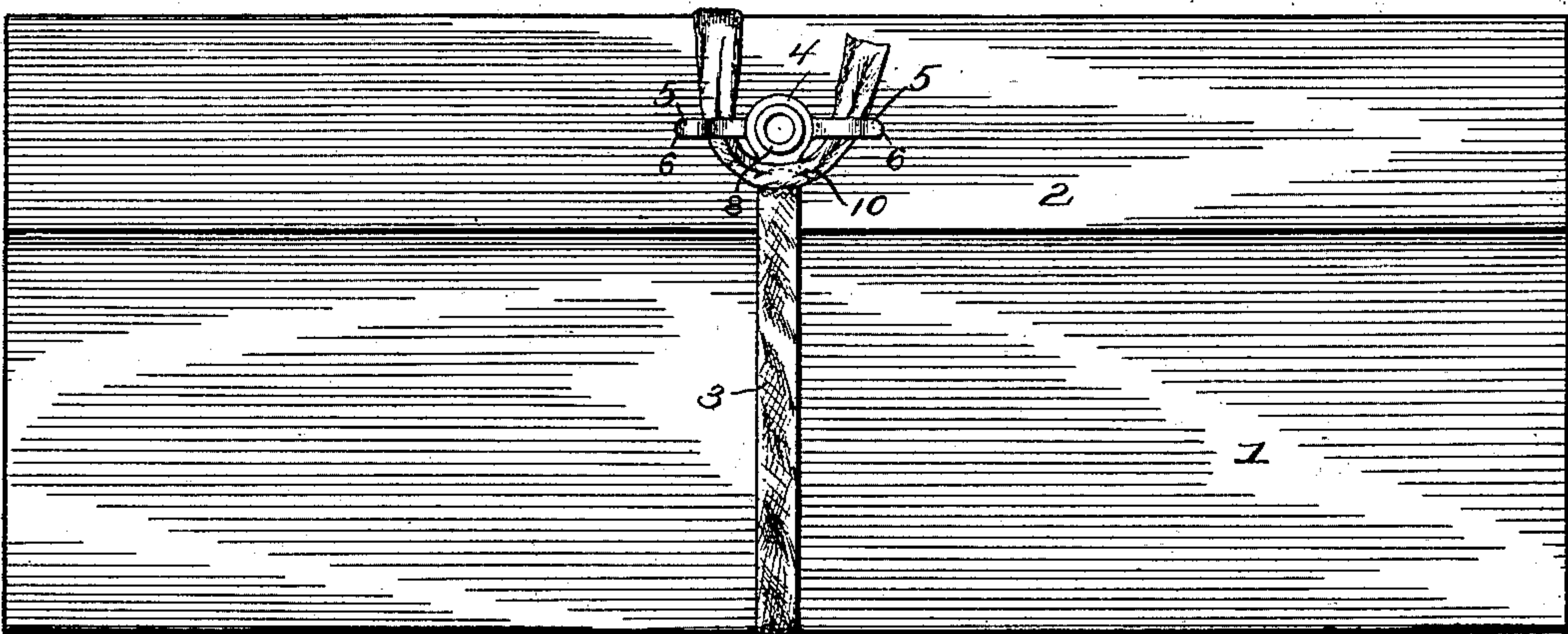


Fig. 3.

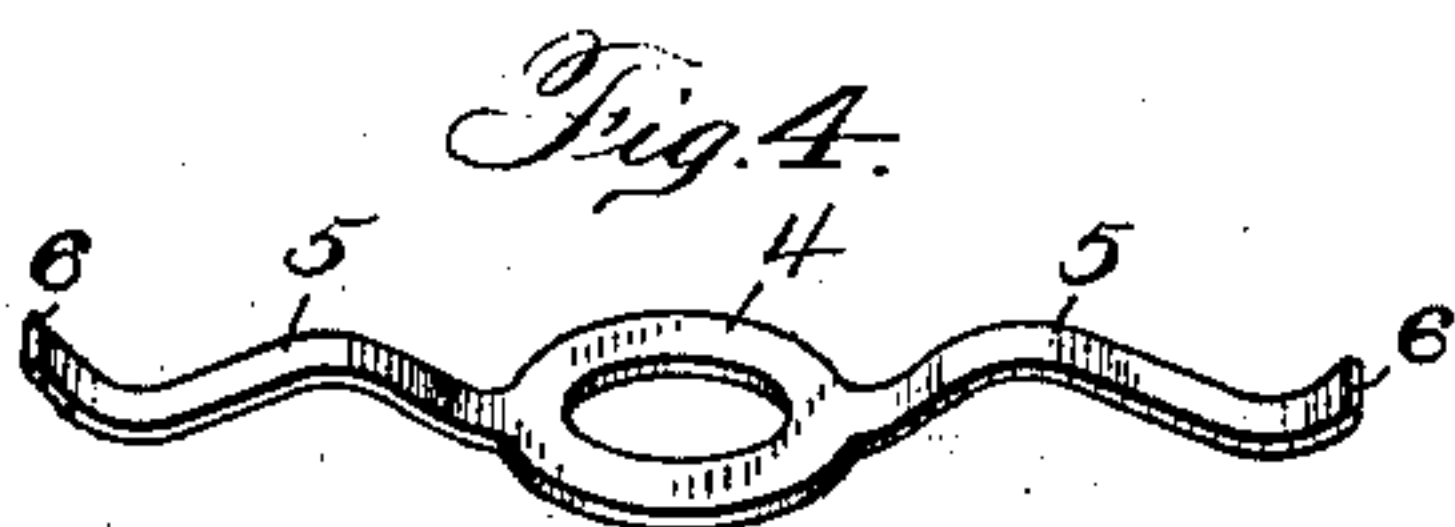


Fig. 4.

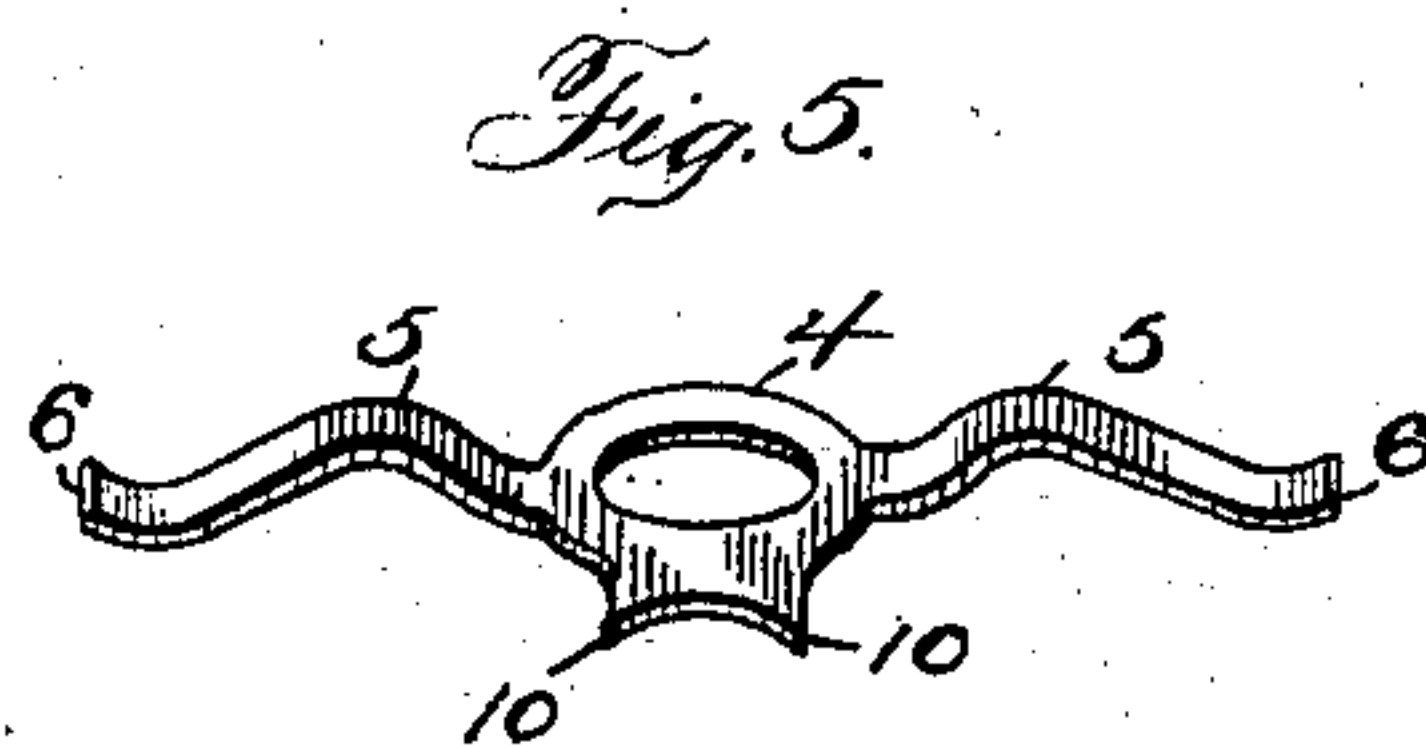


Fig. 5.

Witnesses

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UNITED STATES PATENT OFFICE.

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OFFICE ENVELOP-FASTENER.

SPECIFICATION forming part of Letters Patent No. 657,439, dated September 4, 1900.

Application filed May 9, 1900. Serial No. 16,090. (No model.)

To all whom it may concern:

Be it known that I, JOHN OTTO MUENICH, a citizen of the United States, residing at Jefferson, in the county of Jefferson and State of Wisconsin, have invented a new and useful Office Envelop-Fastener, of which the following is a specification.

This invention relates to fastening devices for envelopes, files, and the like which are commonly tied with a cord or tape, and has for one object to provide an improved fastening for permanently securing one end of the cord or tape to the file or similar package and also constructed to secure the opposite free end of the cord after the latter has been wrapped about the envelop or file.

A further object of the invention is to facilitate the engagement and disengagement of the free end of the cord from the fastening and also to provide for a positive and secure engagement of the free end of the cord with the device.

With these and other objects in view the present invention consists in the combination and arrangement of parts, as will be hereinafter more fully described, shown in the accompanying drawings, and particularly pointed out in the appended claims, it being understood that changes in the form, proportion, size, and minor details may be made within the scope of the claims without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawings, Figure 1 is a plan view of an envelop or file having the improved fastening device applied thereto. Fig. 2 is a central longitudinal sectional view thereof. Fig. 3 is a view similar to Fig. 1 and showing a modified form of the device. Fig. 4 is a detail perspective view of the head of the fastening shown in Fig. 1. Fig. 5 is a similar view of the modified form.

Corresponding parts in the several figures of the drawings are designated by like characters of reference.

Referring to the accompanying drawings, 1 designates the body of a file-wrapper or envelop having the free edge or flap 2 to overlap the adjacent edge of the body in any common or preferred manner, and 3 designates a cord or tape which is commonly wrapped around the envelop, and the oppo-

site ends of the cord are tied together, so as to close the envelop and prevent loss of the contents thereof. These parts are common and well known, and therefore may have any preferred form or shape, said parts being shown in the drawings to more adequately illustrate the application and operation of the improved fastening.

In carrying out the present invention I provide a flat disk-like head 4, which has a central perforation, so as to form in effect a ring from diametrically-opposite points of which radiate the bowed or convolute spring arms or fingers 5, which are duplicates in form. These parts are preferably struck from a single blank of metal, so as to be integral, each arm or finger being bowed upwardly at an intermediate point and having its outer extremity flared upwardly, so as to form a lip 6.

To connect the fastening to the flap portion 2 of the envelop, said flap is provided with a perforation 7, as indicated in Fig. 2, and the head is placed so that the perforation thereof may correspond to the perforation in the flap, and then an eyelet or rivet 8 is passed through the aligned perforations, after which the inner end of the eyelet or rivet is upset against the inner side of the flap, so as to secure the fastening thereto. Before upsetting the rivet or eyelet the inner end thereof may be provided with a ring or washer 9, so as to prevent the fastening from being torn from the envelop. Prior to the insertion of the rivet or eyelet one end of the cord or tape is placed beneath the opening in the head, so that the rivet or eyelet carries the cord or tape through the opening in the flap, and when upset the cord or tape is fixedly held to the fastening and also to the envelop. When secured in place, the outer end portions of the spring arms or fingers rest against the adjacent face of the envelop and the lips 6 flare outwardly and away from the envelop.

To fasten the envelop, it is closed or folded in the usual manner and the free portion of the cord or tape is wound about the envelop, after which the free extremity of the cord is engaged beneath both spring-fingers and laterally across the head, whereby said cord is wedged beneath the spring-fingers and across the head of the fastening. It will now be apparent that the lips at the outer extremities

of the spring-fingers facilitate the passage of the cord beneath the fingers. To disconnect the cord, it is merely necessary to draw the free end thereof from beneath the spring-fingers, when the cord is free to be unwrapped from the file or envelop.

To provide a more positive engagement of the cord with the fastening device and to preclude the possibility of the former slipping upon the latter, the head is provided with one or more spurs or prongs 10, preferably a pair thereof, as shown in Fig. 5, which are designed to pierce the cord or tape in the manner shown in Fig. 3, and thus prevent slipping of the free end of the cord. The spurs or prongs are located upon that side of the head from which the fixed portion of the cord or tape extends, so that the latter is beneath the prongs, and therefore does not interfere with the engagement of the free end of the cord as the latter passes transversely across the outer side of the fixed end thereof. It will of course be understood that instead of placing the fastening upon the flap of the envelop it may be applied to the body thereof without affecting the present invention.

What is claimed is—

1. As a new article of manufacture, a fastening device for attachment to an envelop, file-wrapper, or similar receptacle, having one or more spring-arms, and one or more puncturing spurs or prongs for engagement with a flexible tie.

2. The combination with a receptacle, of a flexible tie, and a fastening or tie-engaging

device having means extending through registering openings in, and engaging, said tie and the receptacle, the fastening being provided with one or more spring tie-engaging arms.

3. The combination with an envelop, file-wrapper or the like, of a fastening secured thereto, and having one or more prongs or spurs, and a cord or the like, having one end fixedly secured to the fastening, and its opposite free end being arranged for engagement with the spurs or prongs.

4. A fastening of the class described, comprising a head, having an attaching-shank, an outwardly-directed spring arm or finger, one or more lateral spurs or prongs, and a cord having one end fixedly secured to the fastening and its opposite free end being arranged for engagement beneath the finger and also with the prongs or spurs.

5. A fastening of the class described, comprising a head struck from a single blank of metal, and provided with a central perforation, opposite spring-arms, and one or more spurs or prongs arranged between the fingers, and an attaching rivet or eyelet received within the perforation.

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

JOHN OTTO MUENICH.

Witnesses:

J. W. ROBISCH,
W. A. MUCK.