

No. 798,658.

PATENTED SEPT. 5, 1905.

T. B. BURGERT.
BAIL EAR.

APPLICATION FILED MAR. 31, 1905.

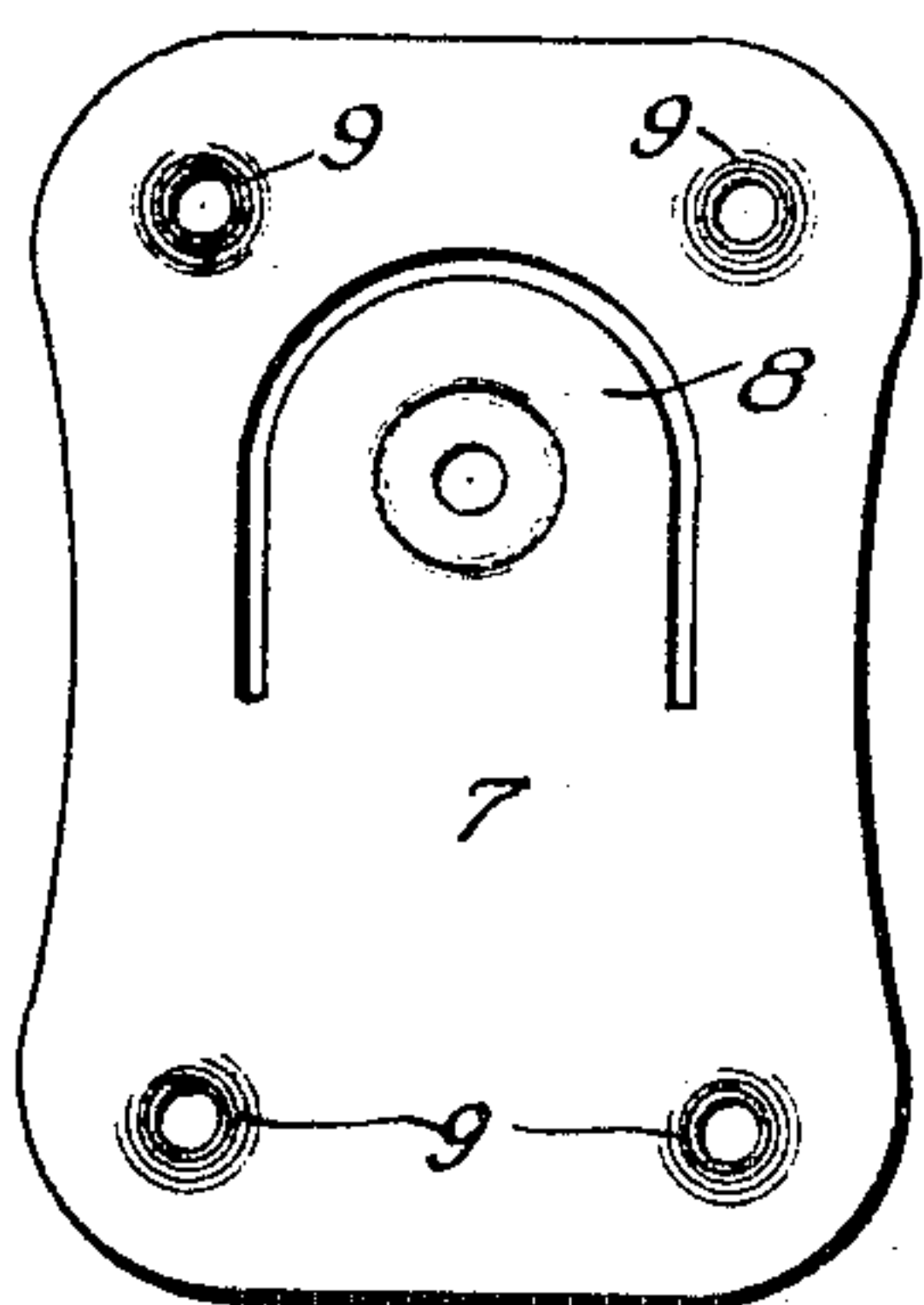


Fig. 5.

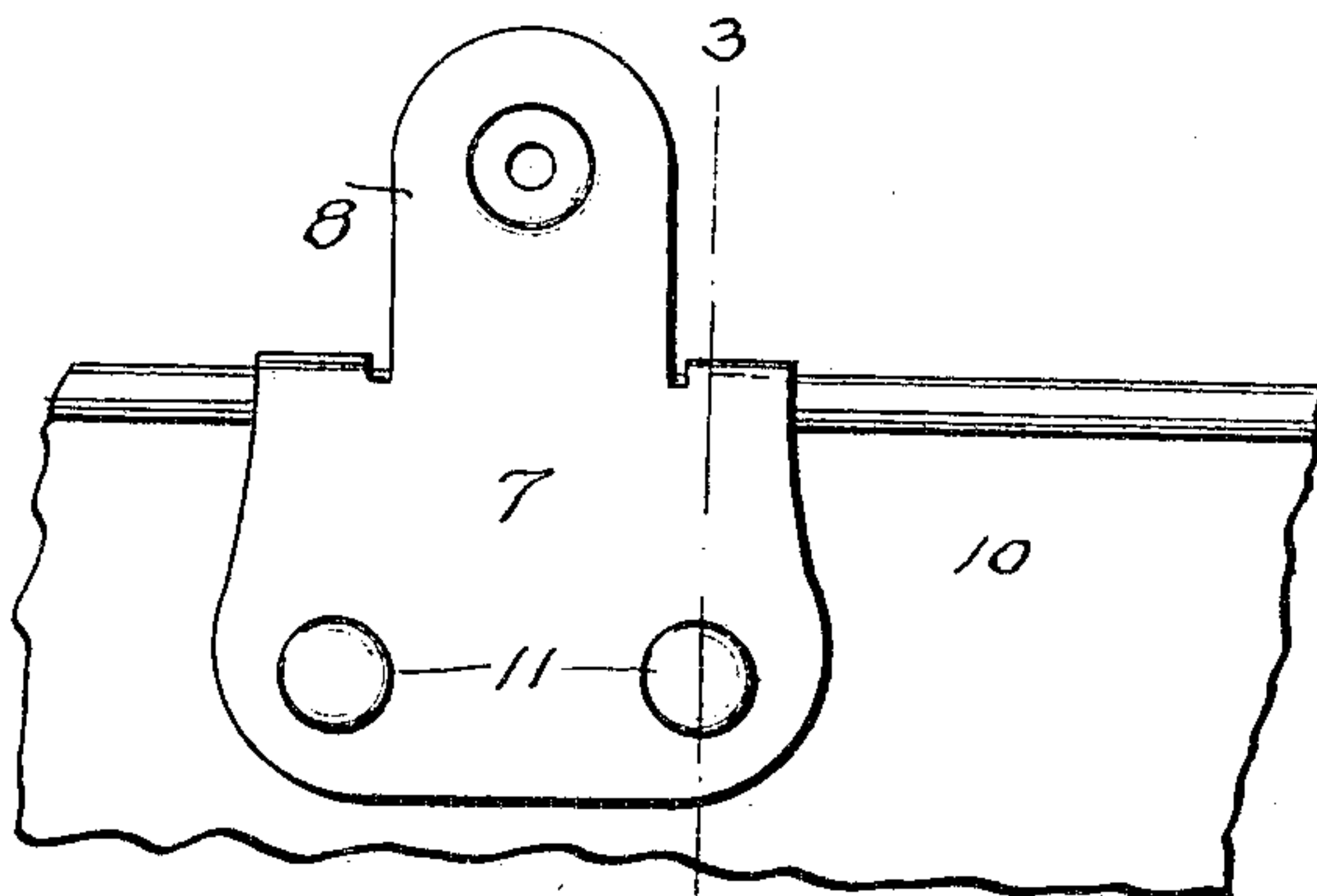


Fig. 1.

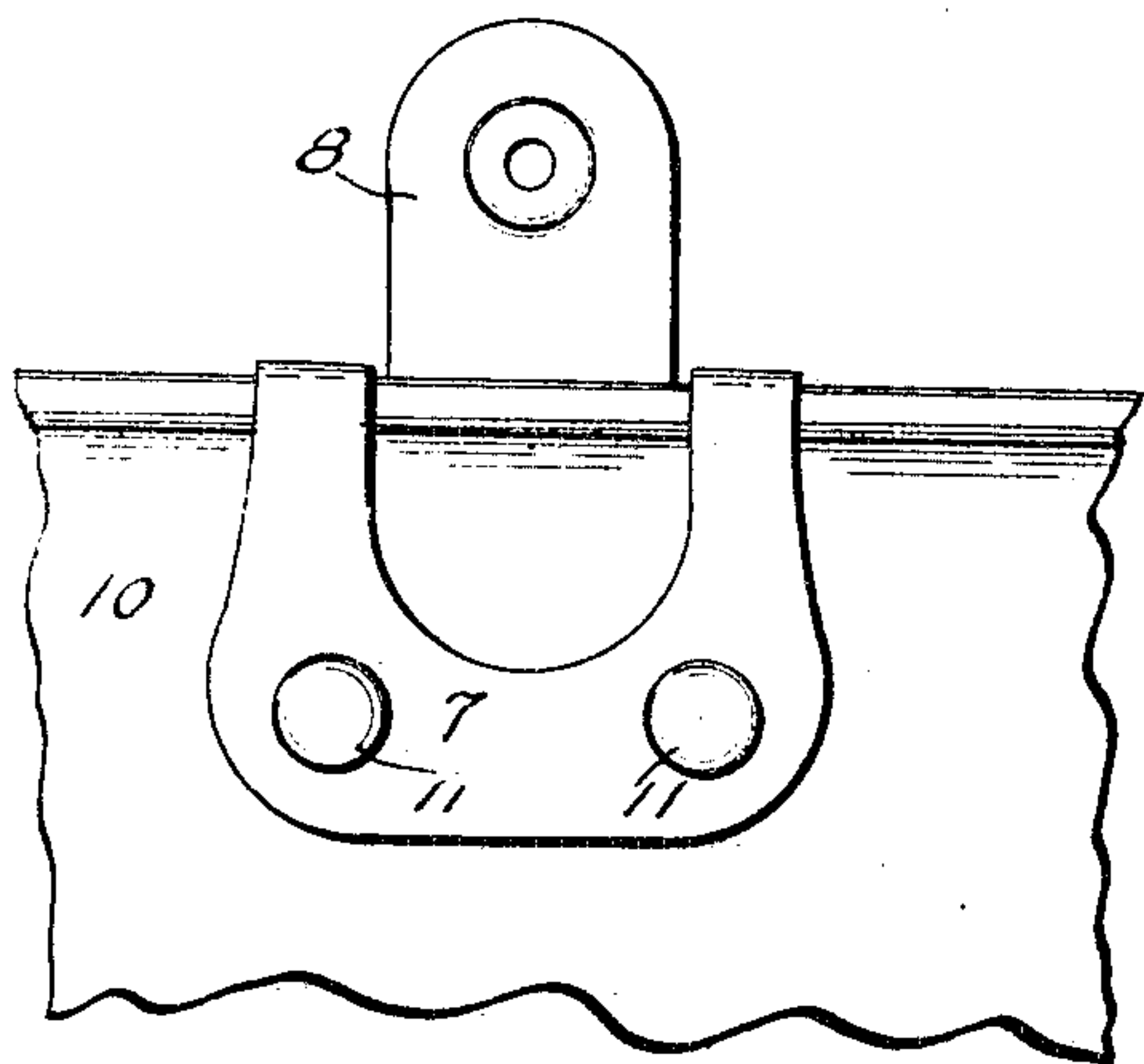


Fig. 2.

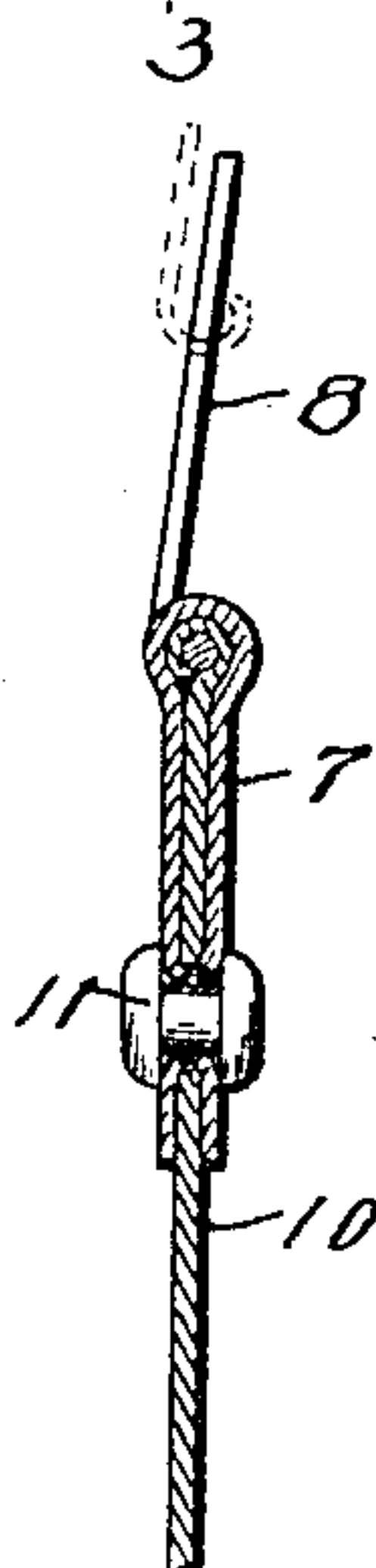


Fig. 3.

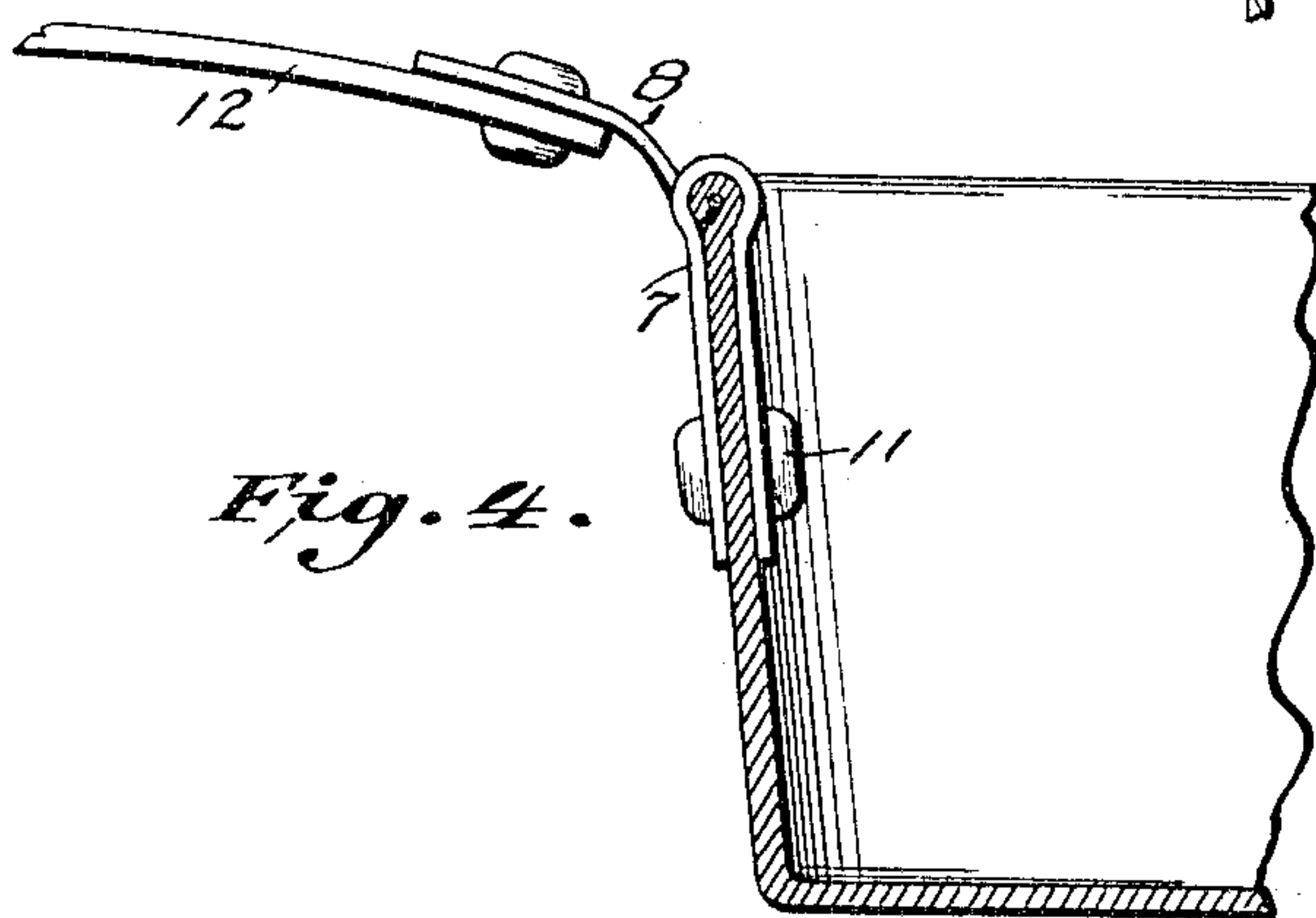


Fig. 4.

Witnesses

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UNITED STATES PATENT OFFICE.

THOMAS B. BURGERT, OF GALION, OHIO.

BAIL-EAR.

No. 798,658.

Specification of Letters Patent.

Registered Sept. 5, 1905.

Application filed March 31, 1905. Serial No. 253,105.

To all whom it may concern:

Be it known that I, THOMAS B. BURGERT, a citizen of the United States, residing at Galion, in the county of Crawford and State of Ohio, have invented new and useful Improvements in Bail-Ears, of which the following is a specification.

This invention is particularly suitable and designed as a bail-ear for buckets and the like, although it is also applicable to handles for pans and similar constructions. It is characterized by improved means to secure a firm attachment of the ear or handle to the pail or other vessel. A common form of bail-ears have the disadvantage that they are attached on one side only and are liable to tear out of the tin or other metal forming the wall of the vessel. In my invention the ear extends on both sides of said wall, being riveted thereto, and a firm and solid connection is obtained.

The invention has a further advantage that the ear may be readily shaped and stamped out of a single piece of metal.

In the accompanying drawings, Figures 1 and 2 are respectively outside and inside elevations of the bail-ear. Fig. 3 is a sectional view on the line 3 3 of Fig. 1. Fig. 4 is an edge view of the invention as applied to a pan-handle. Fig. 5 is a plan view of the stamped ear-blank.

In making an ear a blank is first stamped as shown in Fig. 5, forming a body 7 and a tongue 8, the body being provided at each end with countersunk rivet-holes 9. The tongue 8 starts at about the middle of the blank, or perhaps a little beyond the middle, and extends a sufficient distance to give the desired height of the bail-ear connection above the rim of the bucket. The blank is then folded upon itself at or about the middle thereof, with the tongue 8 remaining unfolded, producing a construction (shown in Figs. 1, 2, 3, and 4) wherein the opposite sides of the blank-body are adapted to embrace the rim of the pail or other vessel 10. When so folded, the rivet-holes 9 register with each other on the inside and outside of the pail, and holes are made through the wall of the vessel, also registering therewith, so that rivets 11 may be passed through the holes and

headed on opposite sides to hold the ear to the vessel. The rivet-holes 9 are countersunk, so that the rivets may be readily driven there-through, and this countersunk construction has the advantage that the body of the metal of the ear under the pressure of the rivet is drawn into the hole in the metal forming the wall of the vessel, as shown in Fig. 3, so that said metal is upset somewhat at the point where it bears on the rivet, and thus presents an edge which will not readily cut out or become loose.

In Fig. 4 the tongue 8 is bent outwardly from the wall of the vessel and is secured to the pan-handle 12, forming an effective means for attachment thereof.

Perhaps the greatest benefit effected by this invention is the strength of the attachment of the ear to the vessel. It will be seen that the body portion of the ear embraces the rim of the vessel, so that there is no outward strain upon the rivets, and there is little liability of the ear becoming loose or of pulling the rivets out of the tin or other metal forming the wall of the vessel. The ears are usually made of stouter metal than the vessel, and the construction shown gives the rivets a strong connection at both ends or on both sides with the stouter metal of the ears.

What I claim as new, and desire to secure by Letters Patent, is—

1. An ear for metal and other vessels, having a body folded over the rim of the vessel and countersunk rivet-holes the edges of which on one side are drawn by the rivets into the holes formed in the wall of the vessel.

2. An ear for metal or other vessels, comprising a body folded to fit over the rim of the vessel and having registering rivet-holes in both sides and a tongue cut in the body of the ear and projecting at about the fold thereof.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

THOMAS B. BURGERT.

Witnesses:

MARIE BARKER,
L. C. BARKER.