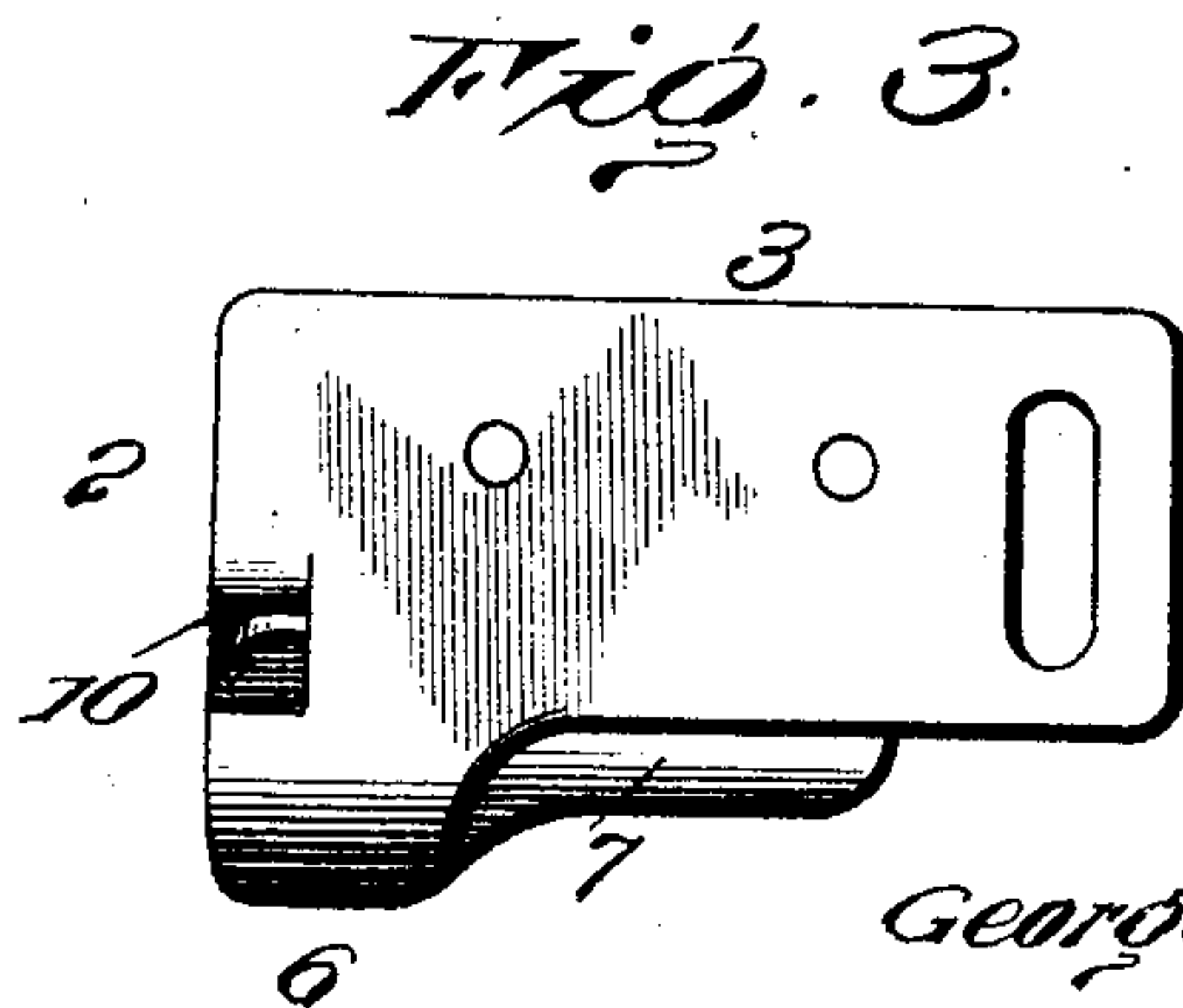
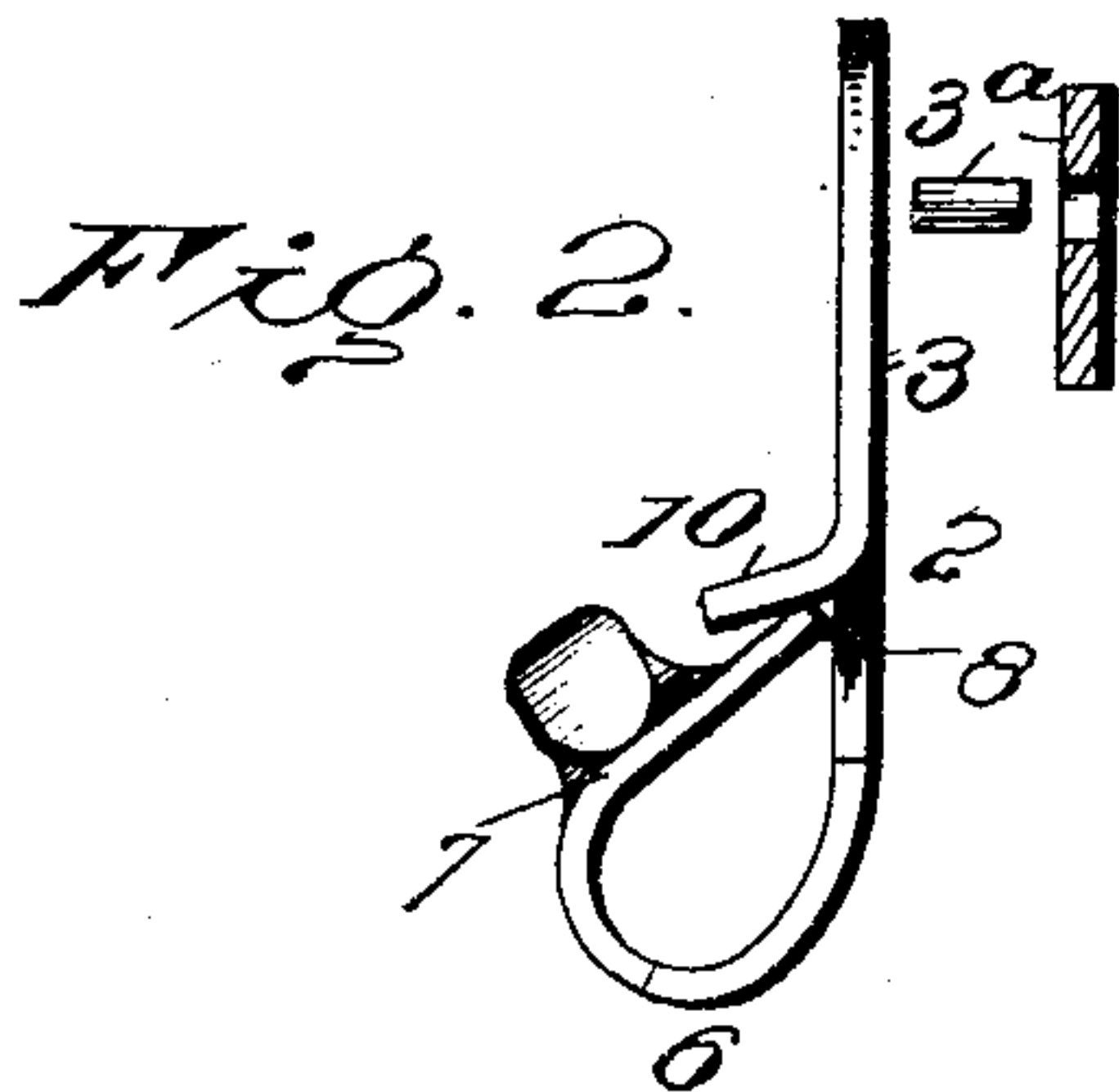
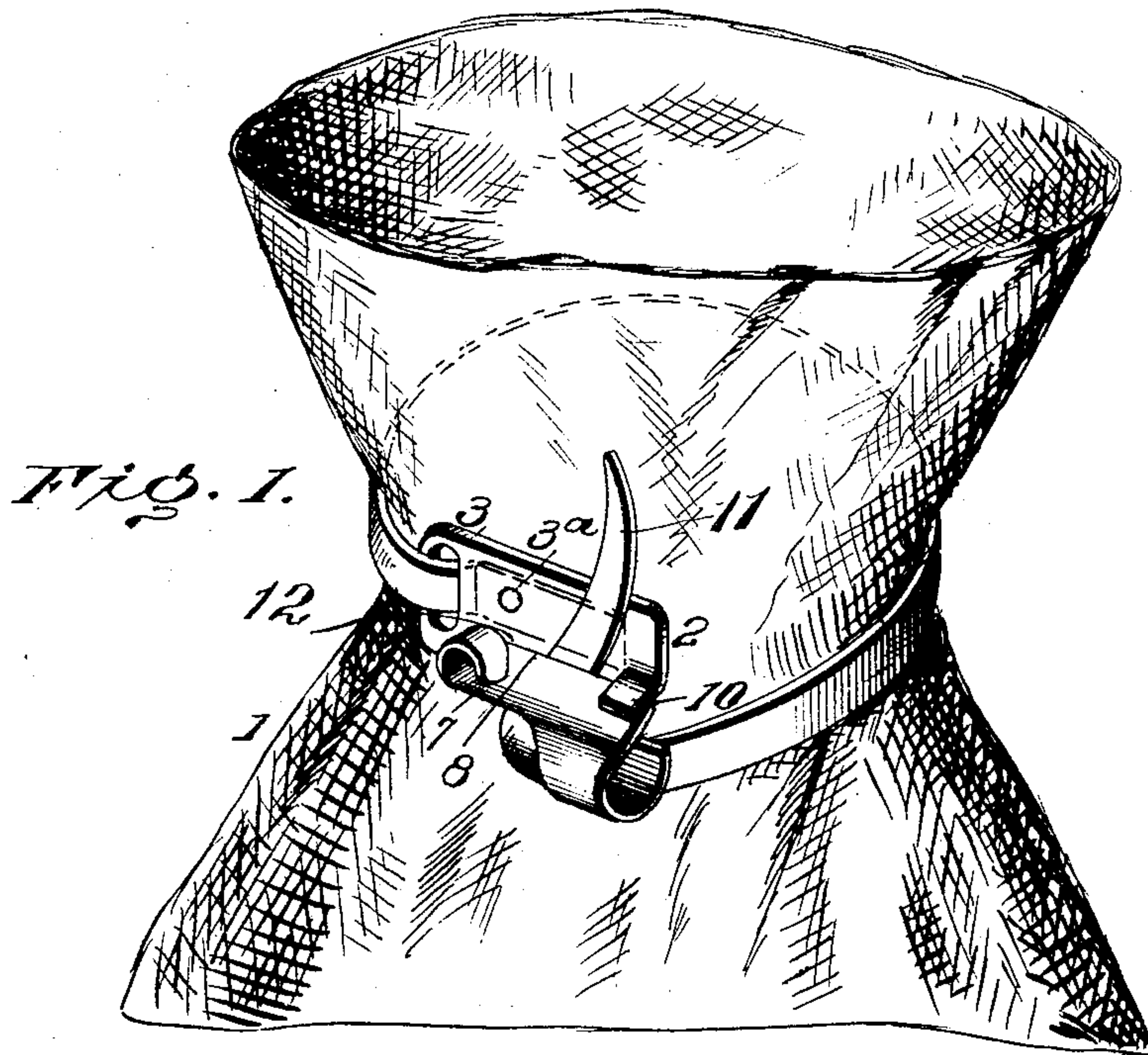


No. 779,668.

PATENTED JAN. 10, 1905.

G. J. SCHUHMACHER.
TIE FOR BAGS, BALES, OR THE LIKE.

APPLICATION FILED MAR. 19, 1904.



Witnesses

A. J. Williams
Alex. Franklin

Inventor

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By

[Signature]

Attorney

UNITED STATES PATENT OFFICE.

GEORGE J. SCHUHMACHER, OF JACKSON, MICHIGAN.

TIE FOR BAGS, BALES, OR THE LIKE.

SPECIFICATION forming part of Letters Patent No. 779,668, dated January 10, 1905.

Application filed March 19, 1904. Serial No. 198,915.

To all whom it may concern:

Be it known that I, GEORGE J. SCHUHMACHER, a citizen of the United States, residing at Jackson, in the county of Jackson and State of Michigan, have invented new and useful Improvements in Ties for Bags, Bales, or the Like, of which the following is a specification.

This invention relates to a tie for bales, bags, or the like, and is an improvement on the construction set forth in Patent No. 732,673, dated June 30, 1903.

In the practical operation of the device described in said patent it was found that it possessed one decided disadvantage, in that when the cord was forced under the clamping member the operator would pull it too far and the tension thereon would relax. To obviate this objection and to limit the movement of the cord while it is being fastened, I have provided a stop between the clamping member and the base.

The object, then, of this invention is to provide a limiting-stop adjacent the clamping member which will effectually prevent the cord being pulled beyond the sphere of the clamp during the operation of tying it.

Other objects and advantages will be hereinafter referred to, and the points of novelty will be emphasized in the claim.

In the drawings, Figure 1 is a perspective view of my improved tie. Fig. 2 is an end view of the same. Fig. 3 is a bottom plan view.

In order that one skilled in the art may understand the operation of my device, I will briefly describe the construction shown in the before-mentioned patent.

1 represents a bag, and 2 the tie secured thereto. The tie consists of a base 3, having suitable devices 3^a by which it is fastened to the bag. A reduced extension or neck 6 projects from one end of the base, and at its center it is formed into a spring clamping member 7. The neck 6 is bent to cause the member 7 to incline slightly in relation to the

base, so that its edge 8 will bear on the face of the base.

Stamped up from the base 3 is a stop 10, disposed at the end of the clamping member 50 opposite the point where the cord 11 is introduced when tying up a bag. The location of the lug or stop is such as to insure the proper positioning of the cord when drawing between the clamp and the base, and thus prevent it 55 being pulled out so far as to be outside the sphere of the clamping action. In operation the end is passed between the unobstructed ends 12 of the clamp and by pulling it outwardly and toward the top the spring clamping member is raised, whereupon when tension on the end is released the clamp bites 60 and holds it fast between it and the base 3. If when tying the bags quickly or carelessly doing so the operator should pull the cord 65 too far toward the end of the clamping member, obviously the stop will prevent its passing from under the clamp, which is of the utmost importance in a device of this character. Furthermore, the stop enables the operator to handle more bags quicker than heretofore, owing to the fact that he does not have to take time to consider just how far he must pull the cord before it will be slipped from under the clamp. The stop bears against the 75 spring clamping member, and not only adds to the resiliency of the latter, but absolutely prevents the cord being slipped past it.

What I claim as new is—

A tie for a bag comprising a base, a spring 80 clamping member inclined toward the base, and a spring-stop overlapping the junction of the spring clamping member and the base, said stop being bent out from the base, substantially as described. 85

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

GEORGE J. SCHUHMACHER.

Witnesses:

JOHN I. GLEMGAR,
H. W. HINTY.