

(No Model.)

F. J. SHEPHARD & A. C. HOPKINS.
BAG TIE OR ANALOGOUS FASTENING.

No. 490,457.

Patented Jan. 24, 1893.

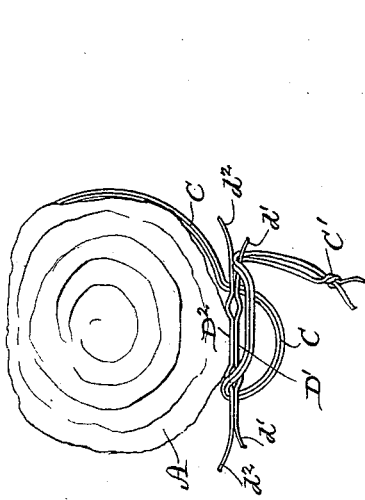


Fig. 1.

Fig. 3.

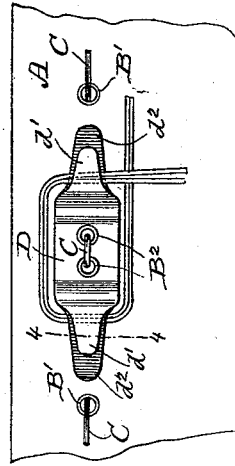


Fig. 4.

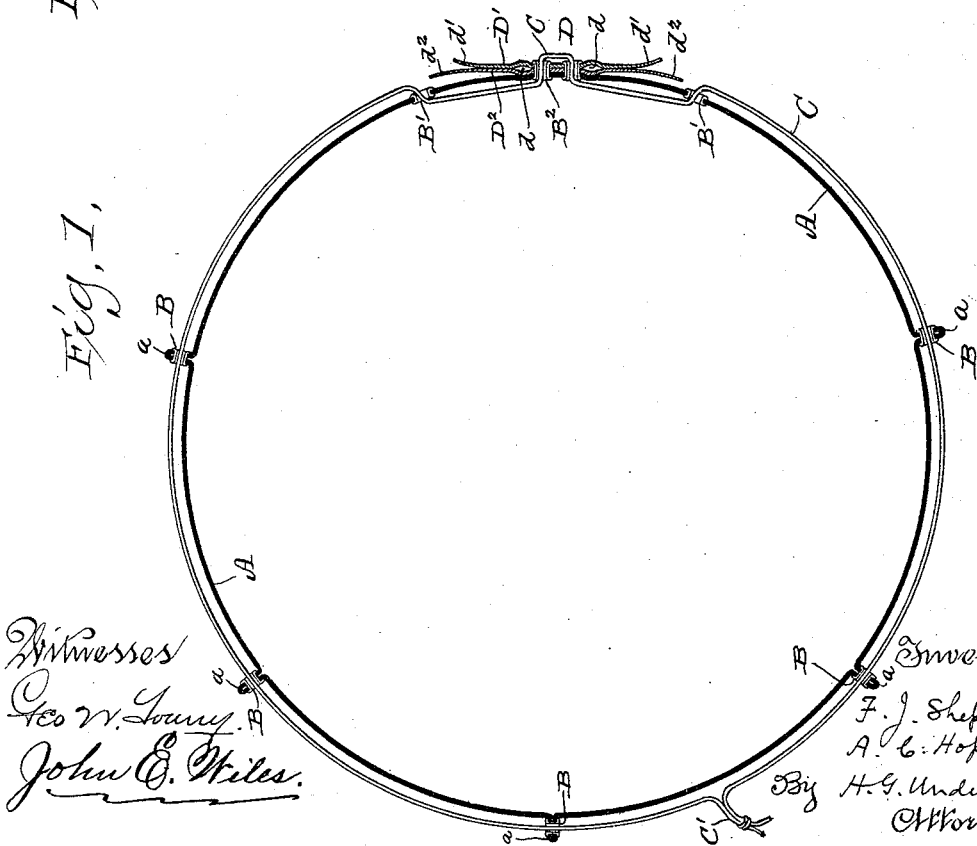


Fig. 2.

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UNITED STATES PATENT OFFICE.

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BAG-TIE OR ANALOGOUS FASTENING.

SPECIFICATION forming part of Letters Patent No. 490,457, dated January 24, 1893.

Application filed February 29, 1892. Serial No. 423,165. (No model.)

To all whom it may concern:

Be it known that we, FRANCIS J. SHEPHARD, residing at Concord, in the county of Jefferson, and ADELBERT C. HOPKINS, residing at Ashippun, in the county of Dodge, State of Wisconsin, citizens of the United States, have invented certain new and useful Improvements in Bag-Ties and Analogous Fastenings; and we do hereby declare that the following is a full, clear, and exact description thereof.

Our invention relates to new and useful improvements in bag ties and analogous fastenings, and consists in the matters hereinafter described and pointed out in the appended claims.

The object of our said invention is to provide means whereby the mouth of a bag or other article to which the tie may be attached, may be easily and quickly drawn together without the necessity of gathering the edges of the fabric together in folds by hand.

The several features of our invention will be more fully hereinafter described with reference to the accompanying drawings, in which:—

Figure 1. is a plan view of the mouth of a bag to which our improved device has been applied, and showing the same distended or expanded. Fig. 2. is a similar view illustrating the mouth of the bag in its closed position, and also illustrating the manner of securing the cords of the fastening to prevent the bag from coming open. Fig. 3. is a side elevation of the device for securing the ends of the cord, and illustrates the same as attached to the side of a bag and the ends of the cord in engagement therewith. Fig. 4. is a detail cross section of the fastening device taken on line 4—4, of Fig. 3.

In said drawings:—A represents the bag, the upper end of which is conveniently provided with a series of folds *a a* upon the outside of the bag, through which folds, suitable metallic eyelets B B are passed as illustrated in Fig. 1. of the drawings.

At one side of the bag, and at a suitable distance apart, eyelets B' B' are passed through the fabric, and between these latter eyelets, is secured a suitable fastening device D, which is conveniently formed from two plates of

spring metal D' and D² secured together and to the outer surface of the bag by means of metallic eyelets B² B² in the manner shown in Fig. 1. A cord C, is passed through the series of eyelets B B, and inwardly through the eyelets B' B' to the inside of the bag, and then to the outside of the bag through the eyelets B² B², as shown the ends of said cord being knotted together as at C', preferably at or near the side of the bag opposite to the fastening D. The said fastening D is arranged to engage with the ends of the cord C in any convenient manner, as for instance that illustrated in the drawings, in which the two spring plates D' and D² are bent so as to form a space *d* between them adjacent to each end of the fastening, within which space, the cords C may be engaged when the bag is to be fastened in its closed position. The ends *d'* *d'* and *d²* *d²* of the plates D' and D² are preferably bent slightly apart as shown more particularly in Fig. 2, so as to permit of the ready introduction of the cords between said ends.

The operation of our improved device is as follows: When it is desired to secure the bag or other article to which the fastening is applied, the user takes hold of the knotted ends C' of the cord C, and by pulling upon said cord, contracts the mouth of the bag in an obvious manner. The ends of said cord are then passed around the fastener D as illustrated in Figs. 2 and 3, of the drawings, and between the ends *d'* *d²* at each end thereof, said cord being then drawn tightly into place between the spring plates D' D², and into the spaces *d d*. The ends of the cord may be passed around the fastening device several times if desired so as to prevent any possibility of the cord slipping or becoming loose.

As a further and separate improvement, we prefer to make the spring plates D' and D² of slightly concavo-convex form in cross section, as illustrated in Fig. 4. the convex side of one of said plates being arranged to fit within the concave side of the other plate. By this form of spring plates, the same are adapted to more firmly hold the cord from slipping than if said plates were made flat.

When it is desired to unfasten the bag or other article secured by our improved fastening, it is only necessary to take hold of the

end of the cord C and unwind it from the fastener D, pulling it out of its engagement between the plates D' D² until it is free to slip within the eyelets B B, when the bag may be opened.

By the use of our improved fastening, the necessity of tying the cord around the mouth of the bag in the ordinary manner, is obviated, and the necessity of picking the knot open to unfasten the same is also obviated, and a very secure fastening for the bag or other article is afforded.

While we have illustrated our improved device as applied to a bag, yet we would have it understood that it may be applied to other articles besides bags, such for instance, as leggings, the wrists of gloves or mittens, the tops of overshoes or other articles, and we do not desire to be restricted to the particular form illustrated as applied to a bag.

Having thus described our invention, what we claim as new and desire to secure by Letters Patent of the United States, is:—

1. The combination with a bag or analogous article, of two plates of spring metal secured together at their centers and attached to the outside of the bag or other article and provided with laterally extending arms, concavo-convex in cross section a series of eyelets in the margin of the bag or other article, and a cord passed through said eyelets and adapted for engagement between said laterally extending arms, substantially as set forth.

2. The combination with a bag or analogous article provided around its margin with a se-

ries of external folds, metallic eyelets passed through said folds, a cord passed through said series of eyelets, and a holding device comprising two plates of spring metal, secured together at their centers and attached to the outside of the bag, by means of eyelets passed through said plates and bag, said cord being also passed through the latter eyelets, said plates being provided with laterally extending arms bent so as to form spaces between them for the reception of the ends of said cord, substantially as set forth.

3. The combination with a bag having a series of external folds around its margin, of a series of eyelets located in said folds, a cord passed through said series of eyelets, and a holding device comprising two plates of metal secured together and centrally attached to the outside of the bag, by eyelets passed through said plates and bag, said cord being also passed through the latter eyelets and spring arms extending from each of said plates and bent slightly apart at their ends and also bent so as to form spaces or recesses between them for the reception of the ends of said cord, substantially as set forth.

In testimony that we claim the foregoing we have hereunto set our hands, at Oconomowoc, in the county of Waukesha and State of Wisconsin, in the presence of two witnesses.

FRANCIS J. SHEPHARD.
ADELBERT C. HOPKINS.

Witnesses:

GEO. SHEPHARD,
JOHN A. KELLY.