

(No Model.)

D. G. STONE.
TIE FOR BAGS, BOXES, &c.

No. 485,067.

Patented Oct. 25, 1892.

Fig. 1.

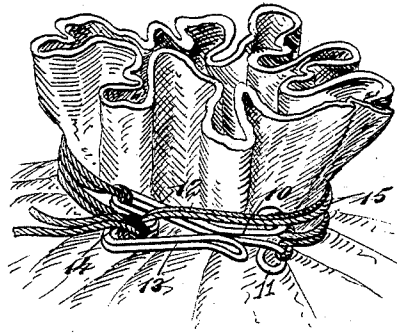


Fig. 2.

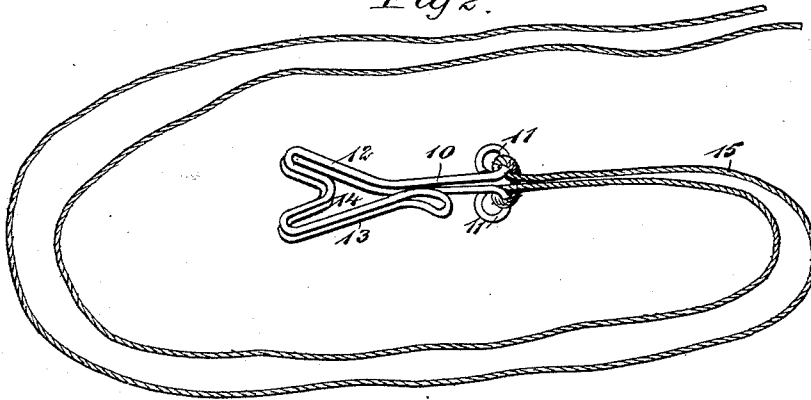
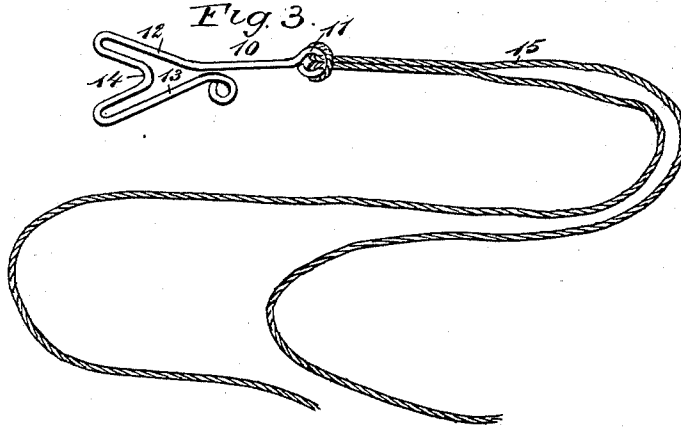


Fig. 3.



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DUDLEY G. STONE, OF NEGAUNEE, MICHIGAN.

TIE FOR BAGS, BOXES, &c.

SPECIFICATION forming part of Letters Patent No. 485,067, dated October 25, 1892.

Application filed January 2, 1892. Serial No. 416,867. (No model.)

To all whom it may concern:

Be it known that I, DUDLEY G. STONE, of Negaunee, in the county of Marquette and State of Michigan, have invented a new and useful Improvement in Ties for Bags, Boxes, and other Packages, of which the following is a full, clear, and exact description.

My invention relates to an improved tie for boxes, bags, and other packages, and has for its object to provide a device capable of being expeditiously wrapped around a bag, box, or package and of being so secured thereon as to completely seal the same.

A further object of the invention is to provide a means whereby the sealing or tying of the device may be effected in an expeditious and convenient manner, and, further, whereby the tie will remain fast under severe pressure or may be readily disengaged from the article when occasion may demand.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claim.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar figures of reference indicate corresponding parts in all the views.

Figure 1 is a perspective view of the device illustrated as applied to tie the mouth of a bag. Fig. 2 is a perspective view of the device detached from a package, and Fig. 3 is a similar view of a slight modification in the form of the device.

In carrying out the invention in Figs. 1 and 2 the device is shown as constructed of a single piece of wire, having been previously bent upon itself to form two parallel strands. In the formation of the device proper the two strands are bent to form an essentially-straight shank 10, the free end of which shank is provided with eyes 11 or the equivalents thereof.

Integral with the shank is the body portion of the device, which is constructed by carrying a wire at an angle outward from the shank, forming a side arm 12, thence bending the wire inward at an angle to the arm in loop fashion, the other end of the wire be-

ing curved downward to an engagement with the shank, preferably at its junction with the arm 12, forming thereby a second arm 13, the lower end of which arm is curved away from the shank, as is best shown in Fig. 2.

This device may be said to consist of a shank and an essentially-M-shaped body, each of the members whereof is carried to an engagement with the shank.

By reason of the peculiar construction of the wider portion of the body a forwardly-extending angular tongue 14 is located between the arms 12 and 13. In connection with the device a cord 15 is employed or the equivalent of a cord, the attachment between the cord and the device being effected through the medium of the eyes 11 of its shank.

In Fig. 3 I have illustrated a slight modification of the device, in which it will be observed that it is formed of but a single strand of wire. Therefore instead of having two eyes at the end of its shank, but a single eye is obtained. In the general contour of the device it approximates the form of a hook, the bow section whereof is bent inward to form a loop, the free end of the hook being carried in engagement with its shank.

It is evident that this device may be used in connection with any bag, box, or package to be bound together by a tape, cord, or the equivalent thereof. In applying the tie to a bag, for instance, the cord is carried around the mouth of the bag and is then passed between the tongue 14 and the arm 12, as shown in Fig. 1. The cord is then carried around the mouth of the bag a second time and around a loop or tongue 14. From thence it is carried under the arm 13, between said arm and the tongue 14, thence around the tongue, and again beneath the arm 13 to a second engagement with the tongue, as is shown in Fig. 1. This will produce a firm tie, and it may be quickly and conveniently removed. It is evident that if in practice it is found desirable the cord may be carried around the tongue as many times as may be deemed necessary; but ordinarily one or two turns around the tongue is sufficient.

Having thus described my invention, I

claim as new and desire to secure by Letters Patent—

As an improved article of manufacture, a bag-tie consisting in an **M**-shaped body, the side arm 12 being extended into a shank 10 and the two arms 12 13 converging, as shown, with the free end of the arm 13 resting along-

side said shank to form a snap under which a cord may be passed, substantially as set forth.

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Witnesses:

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