W. TAGGART.

GRAIN BAG FASTENER.

APPLICATION FILED MAY 17, 1917.

1,243,233. Patented Oct. 16, 1917.

Fig. 1.

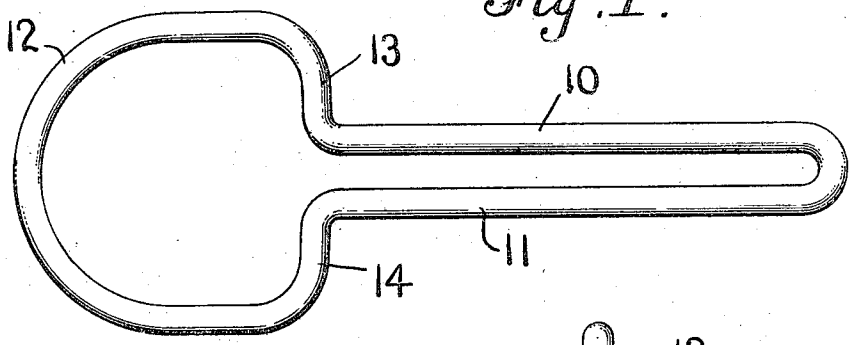


Fig. 2

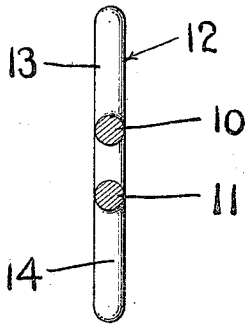
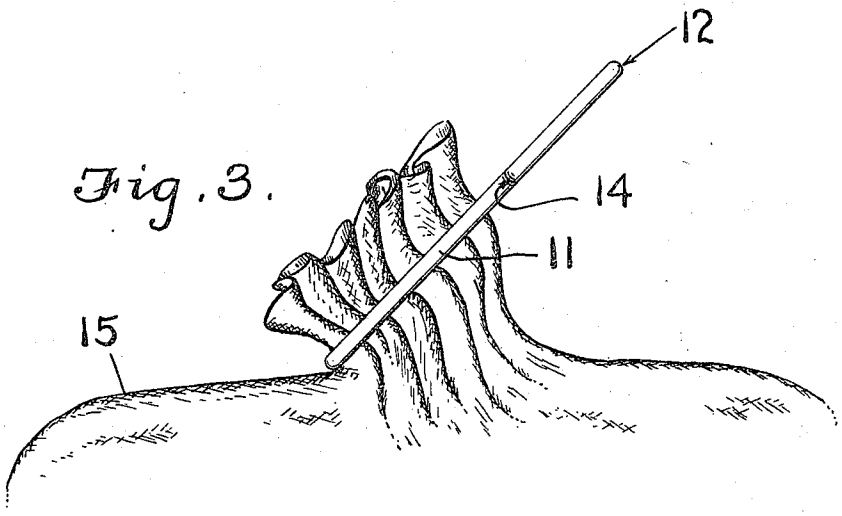


Fig. 3.



Inventor

Wayne Taggart

By Thos. Hall & Sons, Attorneys.

UNITED STATES PATENT OFFICE.

WAYNE TAGGART, OF HOPEDALE, OHIO

GRAIN-BAG FASTENER.

1,243,233. Specification of Letters Patent. Patented Oct. 16, 1917.

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To all whom it may concern:

Be it known that I, WAYNE TAGGART, a citizen of the United States, residing at Hopedale, in the county of Harrison and State of Ohio, have invented certain new and useful Improvements in Grain-Bag Fasteners, of which the following is a specification.

This invention relates to devices for holding the open ends of bags of canvas and like material, and has for one of its objects to provide a simply constructed device which will securely hold the open end of the bag when closed, and at the same time provide a hand grip whereby the bag may be moved from place to place.

Another object of the invention is to provide a device of this character wherein provision is made for reinforcing and strengthening the bag holding portion without materially increasing the weight or the expense of manufacture.

With these and other objects in view, the invention consists in certain novel features of construction, as hereinafter shown and described and then specifically pointed out in the claim; and in the drawings illustrative of the preferred embodiment of the invention—

Figure 1 is a plan view of the improved device;

Fig. 2 is a transverse section on the line 2—2 of Fig. 1;

Fig. 3 is a side elevation on a reduced scale of a portion of a bag with the device applied.

The improved device comprises an elongated endless loop with its members of uniform area throughout and circular transversely. The major portion of the loop is contracted and the members 10—11 forming the contracted portion extending in parallel relation and spaced at a relatively slight distance, as shown in Fig. 1. The remaining portion of the loop is expanded laterally to form a relatively large portion 12 with the interior of which the space between the members 10—11 communicates. The portion of the device at the juncture of the members 10—11 and the portion 12 extend at right angles to the longitudinal axis of the device as shown at 13—14. By this means the contracted portions 10—11 are reinforced and strengthened, and their tendency to expand, or move away from each other under strain is resisted. By this means the loop device may be constructed from a rod of relatively small gage and bent into the required shape with the terminals welded, brazed, or otherwise united without enlarging the area of the rod. In applying the improved device the open or receiving end of the bag, a portion of which is represented at 15, is gathered and thrust through the expanded portion 12 of the loop and then forced into the space between the members 10—11, which movement will firmly support and hold the bag material and prevent the displacement of the device no matter how severely or roughly the bag may be handled or thrown about. After the device is applied the enlarged portion 12 forms an effectual hand grip to assist in handling the bag or hang it from a nail, hook or other suitable support.

By forming the device of a rod like section circular transversely all the surfaces with which the material of the bag come in contact are curved or rounded, hence the friction or wear is reduced to a minimum and all danger of fracturing or abrading the fabric obviated.

The improved device is simple in construction, can be inexpensively manufactured from any suitable material, but will preferably be of malleable iron or the like, and may be galvanized, japanned or otherwise protected from corrosion.

Having thus described the invention, what is claimed as new is:

A bag fastener comprising an oblong metal loop with its members substantially circular transversely, the major portion of the sides of said loop being contracted and extending in spaced relation and the remaining portion enlarged laterally with the material at the juncture of the enlarged portion and the contracted portion directed substantially at right angles to the longitudinal axis of the loop, whereby the contracted portion is reinforced and the tendency thereof to expand is resisted.

In testimony whereof I affix my signature.

WAYNE TAGGART. [L. S.]

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."