

No. 642,302.

Patented Jan. 30, 1900.

W. H. DAVIS.
SACK FASTENER.

(No Model.)

(Application filed Aug. 23, 1899.)

FIG. 1.

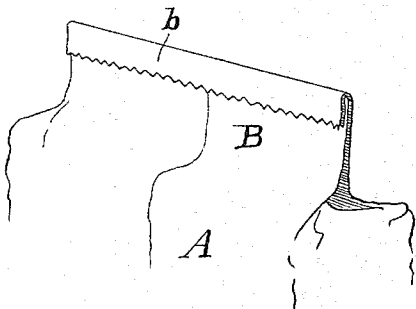


FIG. 2.

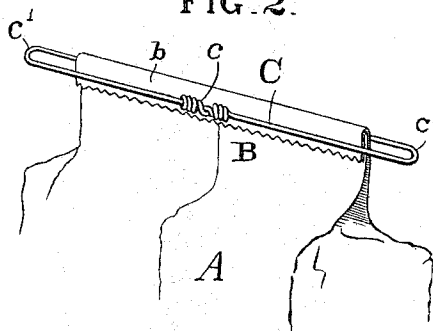


FIG. 3.

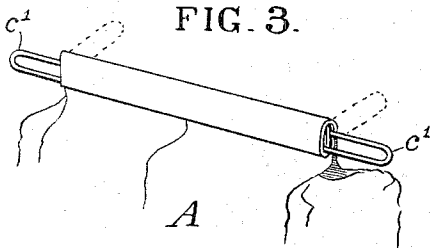


FIG. 4.

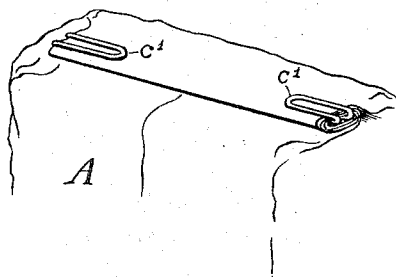
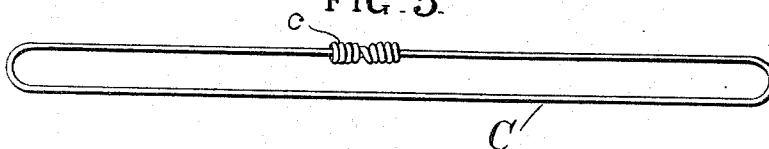


FIG. 5.



WITNESSES:
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UNITED STATES PATENT OFFICE.

WILLARD H. DAVIS, OF CLEVELAND, OHIO.

SACK-FASTENER.

SPECIFICATION forming part of Letters Patent No. 642,302, dated January 30, 1900.

Application filed August 23, 1899. Serial No. 728,207. (No model.)

To all whom it may concern:

Be it known that I, WILLARD H. DAVIS, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented a new and useful Improvement in Sack-Fasteners, of which the following is a specification.

My invention relates to devices for tying and sealing sacks and bags, and has for its object to provide a simple, cheap, and practicable fastener for such receptacles, so as to preserve their contents from accidental spilling and from the introduction of flour-worms, weevil, dust, and all foreign matter.

My improved fastener is made independent of the sack or bag in varying sizes and weights to suit all kinds and sizes of flour-sacks, grain-bags, jute-bags, &c., and is capable of easy and expeditious application thereto in a manner to constitute a neat and effective seal on the contents.

To this end my invention, generally stated, consists of a metal loop of a length slightly greater than the width of the folded and flattened mouth of the sack to which it is to be applied and comparatively narrow and formed of some smooth pliable material, as copper wire, adapted to be passed over said folded and flattened mouth of a sack or bag and rolled downward and secured by its ends thereon, all in the manner as more fully hereinafter described and claimed.

My invention is illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of the upper end of a filled sack, showing the flattened flap folded over along its upper open edge and in position to receive the fastener. Fig. 2 is a similar view showing the fastener in position and ready for the folding operation. Fig. 3 is a similar view showing the flap rolled or folded around the body of the fastener. Fig. 4 is a similar view showing the ends of the fastener bent over and flattened down upon the folded flap, and Fig. 5 is an enlarged detail of my preferred form of fastener.

Similar letters of reference refer to similar parts throughout the several views.

A represents a sack or bag, which in the example chosen to illustrate the application and use of my invention may be one of the stout

paper sacks commonly used by millers and grocers for putting up packages of flour. In practice it is filled to within a short distance of the top, the opposite sides of the sack being then drawn together in parallel relation, flattened, and the upper open end or edge folded over, as shown at *b* in Figs. 1 and 2, thus forming a flap B.

C represents my improved fastener in its preferred form, it being most cheaply and expeditiously made from a single length of round pliable wire (preferably copper) bent back on itself and having its ends twisted, soldered, or otherwise secured together, as shown at *c*, thus forming a narrow wire loop of a length slightly greater than the width of the folded and flattened mouth of the sack as the latter is prepared for the reception of the fastener. In applying it to the sack it is first placed over the upper folded end of the flap, as shown in Fig. 2. Then by means of its projecting ends *c' c'* it is rolled downward two or three turns, whereby the flap is coiled or folded around the body of the fastener, as shown in Fig. 3. The ends *c' c'* of the latter are then bent over, as indicated by dotted lines in Fig. 3, and are finally flattened down, as shown in Fig. 4, whereby the flap is clamped and secured in its coiled or folded position, and the sack is securely sealed against both accidental spilling of its contents and the introduction of worms, dirt, or any other objectionable foreign matter.

I am aware that fasteners formed of a single narrow strip of sheet metal, as tin, gummed or otherwise secured to the flap of a parcel-envelop or attached to one of the sides of the mouth of a paper bag are old, and I make no claim to such a fastener. My invention is distinguished from all such fasteners primarily in the fact that it is entirely independent of the sack or bag on which it is to be used, not being gummed or in any way secured thereto prior to the fastening operation. It is not a solid metal strip, but a narrow wire loop, whereby its mode of application to the sack or bag is also different from that of the devices referred to. Being made of smooth round wire, it has no tendency to cut the material of the sack or bag during the fastening operation or afterward, and when made in the

proper sizes it is applicable not only to all sizes of paper sacks and bags, but to bags of other materials—as cotton, jute, &c.—as well. Being formed of a single piece of wire properly bent and twisted or otherwise secured together at its ends, it can be quickly and cheaply made, is easily applied, and when in use forms a neat and effective closing device.

I have shown the ends of the wire as twisted together at *c* to form the loop; but it will be understood that they may be soldered or secured in any other preferred manner.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. As an article of manufacture, a fastener for sacks, bags, and similar articles, comprising a loop formed of smooth pliable metal, slightly longer than the width of the folded and flattened mouth of the sack or bag to which it is to be applied, and comparatively narrow, and adapted to be passed over said folded and flattened mouth of a sack or bag and then rolled down and secured thereon by bending over the ends of said loop to clamp

the coils of the flap, in the manner and for the purpose described.

2. As an article of manufacture, a fastener for sacks, bags, and similar articles, comprising a single piece of smooth pliable wire bent back on itself and having its ends secured together, thus forming a narrow wire loop of a length slightly greater than the width of the folded and flattened mouth of the sack or bag to which it is to be applied, and adapted to be passed over said folded and flattened mouth of a sack or bag and then rolled down and secured thereon by bending over the ends of said loop to clamp the coils of the flap, in the manner and for the purpose described.

In testimony that I claim the foregoing as my invention I hereunto sign my name, this 19th day of August, 1899, in the presence of two witnesses.

WILLARD H. DAVIS.

Witnesses:

ELMER E. DAVIS,
A. WILLIAM BAXTER.