No. 892,330. PATENTED JUNE 30, 1908.

J. J. TAVIS.

BAG FASTENER.

APPLICATION FILED MAR. 10, 1908.

Fig. 1.

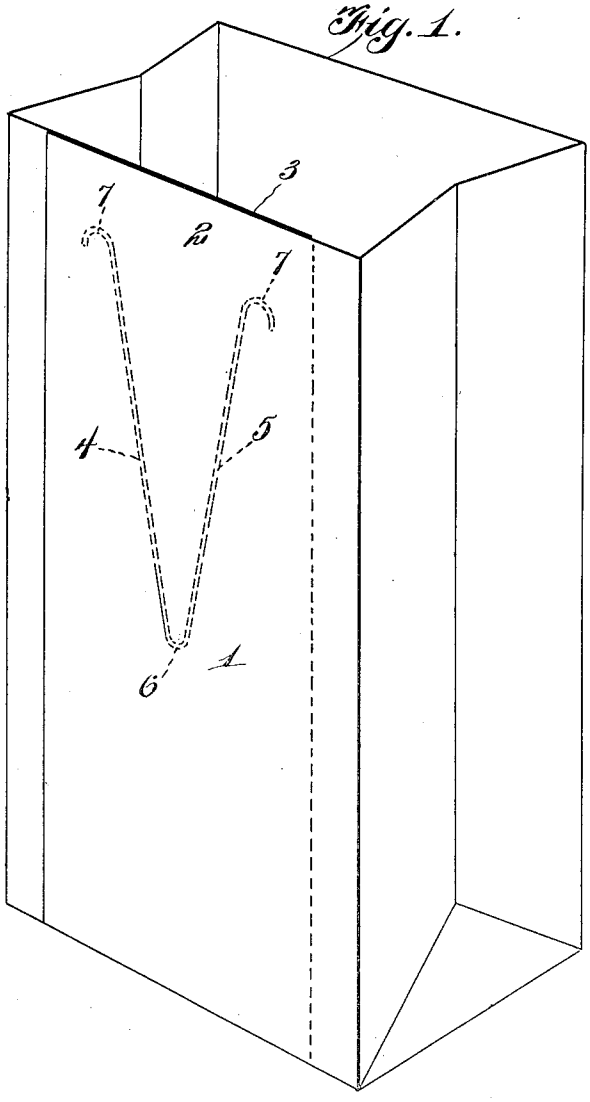


Fig. 2.

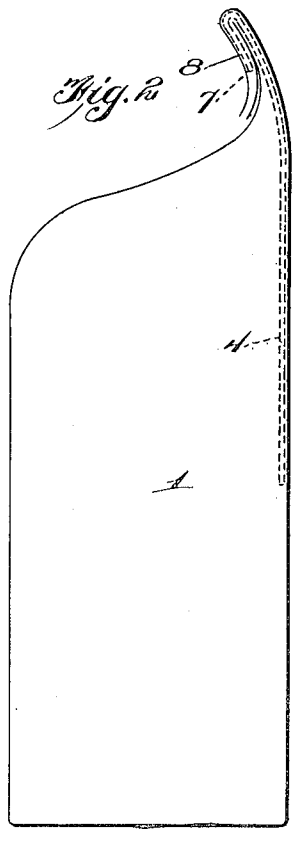
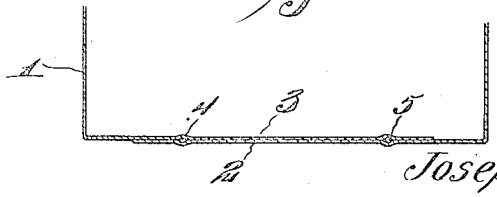


Fig. 3.



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JOSEPH J. TAVIS, OF GLEN ULLIN, NORTH DAKOTA, ASSIGNOR OF ONE-HALF TO FRANK A. TAVIS, OF GLEN ULLIN, NORTH DAKOTA.

BAG-FASTENER.

No. 892,330. Specification of Letters Patent. Patented June 30, 1908.

Application filed March 10, 1908. Serial No. 420,257.

To all whom it may concern:

Be it known that I, JOSEPH J. TAVIS, a citizen of the United States, residing at Glen Ullin, in the county of Morton and State of North Dakota, have invented new and useful Improvements in Bag-Fasteners, of which the following is a specification.

This invention relates to closures or fasteners for paper bags, the main object of the invention being to provide a fastening device of a simple and effective construction mounted upon the bag, so that by turning downward or folding the portions forming the mouth of the bag the latter will be securely held closed.

A further object of the invention is to provide a bendable fastening member of wire or the like arranged or inclosed upon one of the side walls of the bag and adapted to be bent upon folding the walls of the mouth to hold the mouth closed, which member is composed of portions lying on opposite sides of the center of the bag and reinforced at the lower ends thereof by connection with each other, thus forming a fastener of maximum strength to enable tightly filled bags to be closed without liability of the mouth being forced open by the pressure of the contents.

The invention consists of the features of construction, combination and arrangement of parts hereinafter fully described and claimed, reference being had to the accompanying drawing, in which:—

Figure 1 is a perspective view of an open bag or sack embodying my invention. Fig. 2 is a side view of the same, showing the mouth portion of the bag folded and closed. Fig. 3 is a horizontal cross-section through a portion of the bag, showing the mode of mounting the fastener therein.

Referring to the drawings, the numeral 1 designates a bag or sack made of paper or other suitable material, and which may be of the folding or collapsible type herein shown or of any other suitable construction.

Preferably, the bag is made in the ordinary manner from a blank or sheet cut, folded and formed into shape, the longitudinal edges of the paper or material being united by a seam formed upon one of the side walls of the bag by overlapping portions 2 and 3 pasted or otherwise secured together, such overlapping portions being of sufficient width to inclose and confine the fastening device between them.

The fastening device preferably consists of a single piece of bendable wire or a strip of analogous bendable material disposed between the overlapping seam portions or flaps 2 and 3, and embodying a pair of members 4 and 5 extending in a general direction toward the mouth of the bag on opposite sides of the center line of the side of the bag on which it is disposed. In the construction shown, the fastener is in entirety in the form of a substantially V-shaped piece of wire whose arms or portions 4 and 5 are connected and reinforced at their lower or converging ends by a return or reinforcing portion 6, arranged immediately at or little below the center of the bag. From such portion 6 the arms or members 4 and 5 project upwardly in divergent relation and terminate just below the upper edge of the side of the bag to which they are attached, their upper or free ends being bent outwardly and downwardly in the form of guard hooks 7, which prevent such ends from being forced through the material of the bag and injuring the hands of the operator in closing the bag or of persons subsequently opening or handling the bag.

In the operation of closing the mouth of the bag, after the bag has been filled to a greater or less extent, the upper or free edges of the sides of the bag are brought together and then downturned or folded upon themselves, as illustrated at 8 in Fig. 2, by which, if the bag is nearly filled, the upper ends of the fastener members 4 and 5 will be bent downward, in which position they will remain and hold the walls of the bag folded so as to securely close the mouth thereof. The lengths of the portions 4 and 5 permit the walls to be turned downward to a greater or less extent for the purpose of closing a partly or completely filled bag, thus permitting the contents to be snugly confined.

It will be obvious that by the described arrangement of the parts 4 and 5 of the fastener the mouth of the bag will be held closed by bent fastening portions located on opposite sides of its longitudinal center, thus providing for a firm and secure retention of the mouth of the bag in folded or closed condition, and that also by the downwardly converging arrangement of said fastening mem-

bers and their reinforcing connection at their lower ends the mouth of the bag, even when the latter is tightly filled, may be held firmly closed against the pressure of the contents.

While the construction and arrangement of the fastening member herein shown and described is preferred, it will, of course, be understood that the construction and arrangement may be modified within the range of equivalents and scope of the invention as defined in the appended claims.

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

1. A paper bag having a side seam formed of overlapping portions, and a V-shaped fastening member formed of wire inclosed between said portions, said fastening member extending in the direction of length of the bag and having its arms diverging in the direction toward the mouth of the bag, the upper ends of said arms being bent to form guards to prevent said ends from puncturing the material of the bag.

2. A paper bag having a side seam formed of overlapping portions, and a fastening member formed of wire inclosed between said portions, said fastening member extending in the direction of length of the bag and having portions diverging in the direction toward the mouth of the bag, and having their upper ends bent upwardly and downwardly to form guards to prevent said ends from puncturing the material of the bag.

In testimony whereof I affix my signature in presence of two witnesses.

JOSEPH J. TAVIS.

Witnesses:
JOHN TAVIS, Jr.,
GEORGE SCHANTZ.