

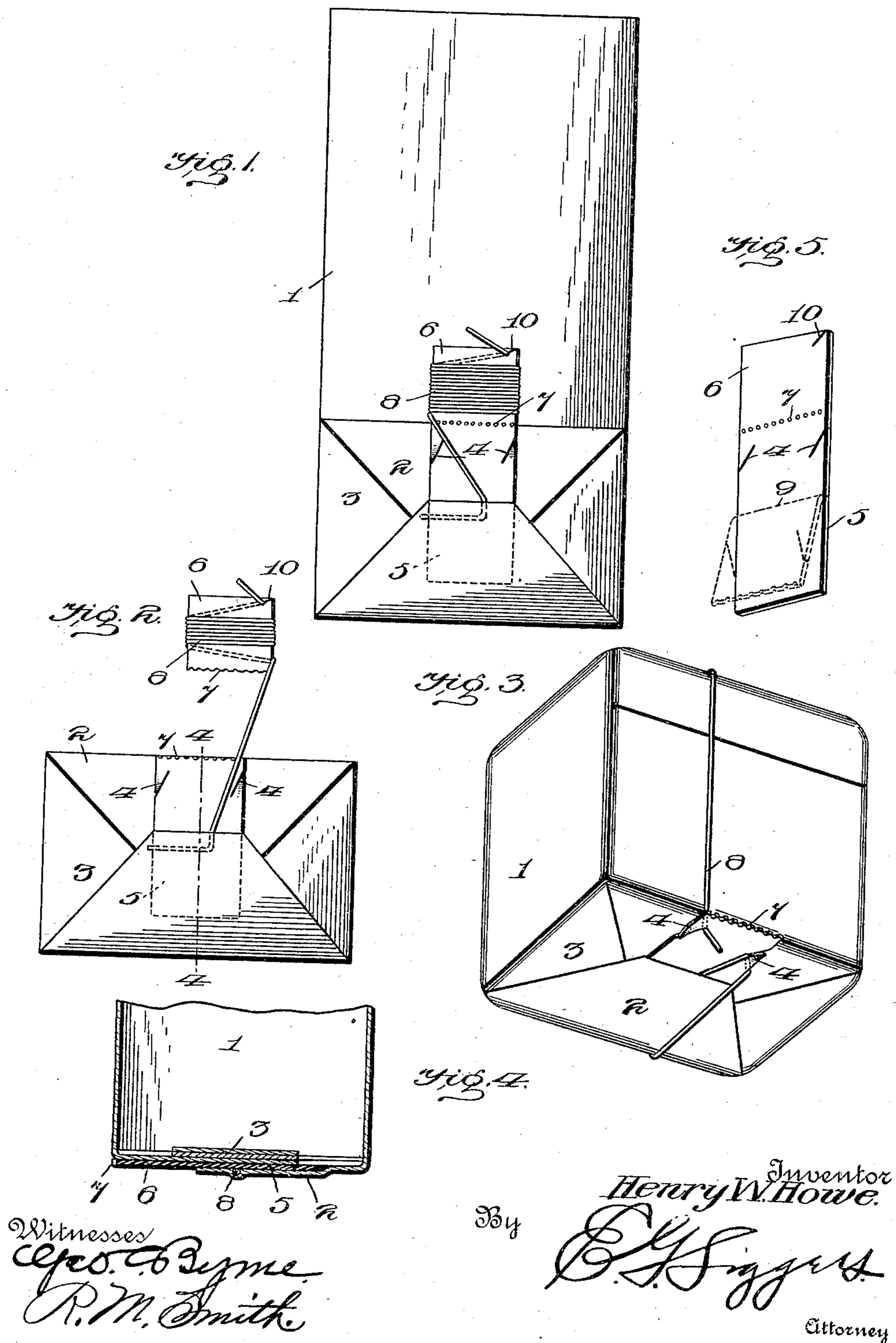
No. 684,573.

Patented Oct. 15, 1901.

H. W. HOWE.
BAG FASTENER.

(Application filed Jan. 15, 1901.)

(No Model.)



UNITED STATES PATENT OFFICE.

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BAG-FASTENER.

SPECIFICATION forming part of Letters Patent No. 684,573, dated October 15, 1901.

Application filed January 15, 1901. Serial No. 43,406. (No model.)

To all whom it may concern:

Be it known that I, HENRY W. HOWE, a citizen of the United States, residing at Mexico, in the Federal District and Republic of Mexico, have invented a new and useful Bag-Fastener, of which the following is a specification.

This invention relates to bag-fasteners, and has for its object to provide a simple and expeditious fastening device for securing the cord with which the bag is wrapped. The cord engaging or gripping device which forms a part of the bag-fastener is in itself a novel construction, and also provided with means whereby it may be permanently associated and connected with the bag, so as to be capable of being manufactured and sold as a part of the bag. The device also embodies a holder for the cord, which is detachably connected to the body of the fastener and capable of being quickly disconnected therefrom for releasing the cord preparatory to passing the same around the bag and securing it with the aid of the fastener.

The detailed objects and advantages of the invention will appear more fully in the course of the ensuing description.

The invention consists in certain novel features and details of construction and arrangement of parts, as hereinafter fully described, illustrated in the drawings, and incorporated in the claims.

In the accompanying drawings, Figure 1 is a plan view of a bag, showing the fastening device applied thereto, all of the parts being in the position which they occupy when the bags are packed together for shipment. Fig. 2 is a bottom plan view of the bag-attaching and cord-holding tab detached and the cord unwinding therefrom. Fig. 3 is a bottom perspective view of a filled bag, showing the manner of wrapping the cord around the bag and engaging it with the fastener. Fig. 4 is a sectional view through the bottom of a bag and fastener, showing the manner of connecting the fastener to the bag and securing the end of the cord. Fig. 5 is a detail perspective view of the fastener including its attaching and cord-holding portions and illustrating in dotted lines the manner of bending

the cord-gripping portion, so as to extend toward either side of the bag.

Similar numerals of reference designate corresponding parts in all the figures of the drawings.

Referring to the drawings, 1 designates a bag of ordinary construction, the side and end portions of which are formed at their bottoms into flaps which overlap each other and are ordinarily pasted or gummed together, 2 designating the side flaps and 3 the end flaps.

The bag-fastener contemplated in this invention consists of a piece or strip of flat material—such as cardboard or thin sheet metal. The body of this piece is provided in its opposite edges with reversely-extending cord-gripping slits 4, into which the cord may be jammed prior to starting the cord around the bag and after the cord has been wrapped one or more times around the bag. The slits or nicks are extended inward obliquely and are located about opposite each other. The body is extended at one end to form an attaching portion 5, which is preferably inserted between the bottom flaps of the bag, as clearly illustrated in the several figures of the drawings and particularly in Fig. 4, in which position the attaching portion is securely held by the adhesive material with which the flaps 2 and 3 are held together. This operation is of course performed during the manufacture of the bag, and the arrangement described forms a strong and reliable connection between the bag and the cord-fastening device. At the opposite end from the attaching portion 5 is a cord-holding portion or tab 6, which is defined by a transverse row of perforations 7, forming a breaking-line and adapting the tab 6 to be readily detached and removed from the body of the fastener.

The wrapping-cord 8 is permanently connected at one end to the bag by having such end primarily inserted between the flaps of the bag before the latter are pasted or gummed together, the end of the cord being preferably interposed between the attaching portion 5 of the fastener and the flap, which is last secured.

The tab 6 is detached from the body of the

fastener either prior to the filling of the bag or after the bag has been filled, and in the act of detaching the tab 6 the cord which is wrapped around the same is caused to unwind therefrom. The cord is then passed through one of the slits, as shown in Fig. 3, and after being drawn tightly and jammed into the slit the cord is passed one or more times around the bag, and after the requisite number of wrappings have been made the cord is jammed into the reversely-extending slit at the opposite side of the body of the fastener, as shown in said Fig. 3. The operation above described may be accomplished in a very short space of time and obviates the necessity for tying a knot in the cord.

The body of the fastening device may, if desired, be bent on the transverse line indicated at 9 in Fig. 5, so as to enable the cord-gripping part of the device to extend toward either side of the bag, according to preference or convenience. The cord-holding tab is also provided with a nick or slit 10 for receiving and holding the end of the cord after it has been wrapped around the tab, as illustrated in Figs. 1 and 2.

I do not desire to be limited to the particular point of application of the fastener to the bag, as it will be apparent that such fastener may be attached to any part of the bag, although the arrangement shown and described is preferred as obtaining the most efficient means for connecting the fastener to the bag.

Having thus described the invention, what is claimed as new, and desired to be secured by Letters Patent, is—

1. A bag-fastener comprising a cord-gripping device consisting of a piece of flat material provided in its opposite edges with reversely-extending cord-gripping slits, and a

detachable cord-holding portion or tab, adapted to be torn therefrom.

2. A bag-fastener comprising a cord-gripping device consisting of a flat body provided in its opposite edges with reversely-extending cord-engaging slits, and a detachable cord-holding portion or tab having a cord-holding slit.

3. A bag-fastener comprising a cord-gripping device consisting of a flat body having reversely-extending slits in its opposite edges, and a detachable cord-holding tab formed by providing the body with a row of perforations.

4. A bag-fastener comprising a cord-gripping device consisting of a flat body having reversely-extending slits in its opposite edges, and an attaching portion adapted to be connected to the bag so as to leave the cord-gripping portion free.

5. A bag-fastener comprising a cord-gripping device fastened to the bag and having one end of the cord permanently fastened thereto, means on the said device for engaging with the other end of the cord, and a detachable cord-holding portion or tab for receiving the free portion of the cord when not in use.

6. A bag-fastener comprising a cord-gripping device consisting of a flat body having cord-engaging means to engage with the cord in tying up the bag, and a detachable cord-holding tab formed by providing the body with a row of perforations.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

HENRY W. HOWE.

Witnesses:

JAMES R. HARDY,
M. E. GILMORE.