C. W. HARVEY.

BAG-FASTENER.

No. 171,801. Patented Jan. 4, 1876.

Fig. 1.

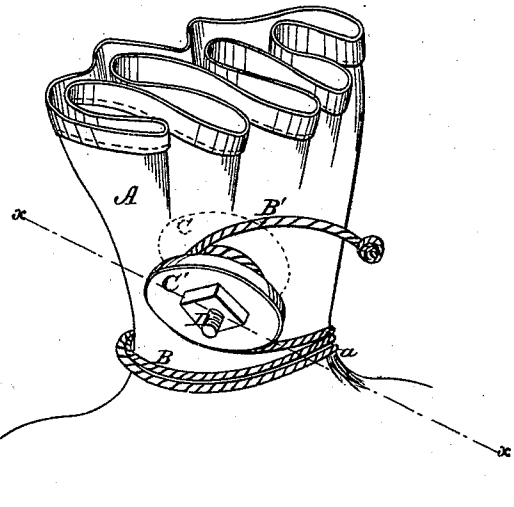
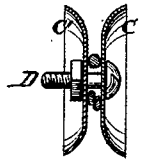


Fig. 2.



WITNESSES:

W. W. Hollingsworth

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UNITED STATES PATENT OFFICE.

CHARLES W. HARVEY, OF WATERLOO, IOWA.

IMPROVEMENT IN BAG-FASTENERS.

Specification forming part of Letters Patent No. **171,801**, dated January 4, 1876; application filed December 6, 1875.

To all whom it may concern:

Be it known that I, CHARLES W. HARVEY, of Waterloo, in the county of Black Hawk and State of Iowa, have invented a new and Improved Bag-Fastener; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing, forming a part of this specification, in which—

Figure 1 is a view in perspective of my invention attached to a bag; Fig. 2, a transverse section of the fastening in line *x x* of Fig. 1.

The invention relates to a mode of securing the end of a bag's string-fastening without the necessity of making a tie, the latter being liable either to work loose or draw into a knot, thus occasioning waste of contents or loss of time in opening the sack.

The invention consists in loosely journaling upon a screw-bolt a pair of stiff metal disks, inclined and adjustable toward each other, one being placed on the inside and the other on the outside of the bag, and attached thereto by the bolt, and the string, by its own compressibility, being cramped and rigidly held between the bag and outer disk, all as hereinafter fully described.

A represents a bag, to which is attached one end of the string B. This string, cord, or flexible fastening, after being fixedly sewed or otherwise connected with bag at *a*, is wrapped one or more times around the bag, and the loose end or unwrapped part B′ is compressed between the incline or convexity of an outside disk, C, and the outer face of bag A, an inside disk, C′, supporting the bag on its inner face, and holding it up to the string. These disks turn loosely on the small end-threaded pin or screw-bolt D, and are adjusted so as to be in any suitable or desired proximity to each other. By forcing the string into the space between the inclined surfaces of the disks, where the bag already is, the elastic fiber of bag and string become so locked together, and exercise such friction upon the disks, that there is no danger, and hardly a possibility, of the fastener becoming loose. It is therefore simple, cheap, easily applied, and exactly answers its purpose.

Having thus described my invention, what I claim as new is—

The combination, with bag A, having the string B tied thereto, of the bolt D, passing through bag and receiving a convexed disk, C, on the inside and outside, the said disks being held with facing convexities to the bag by a nut, as shown and described.

CHAS. W. HARVEY.

Witnesses:

SOLON C. KEMON,

CHAS. A. PETTIT.