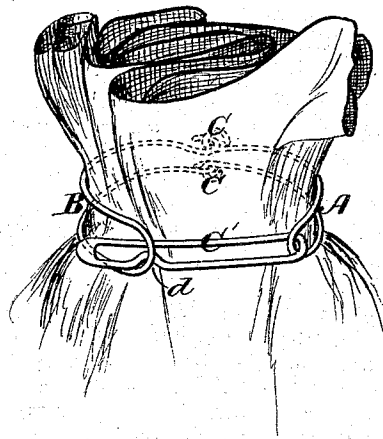


W. CHRISTIE.
Bag-Ties.

No. 156,771.

Patented Nov. 10, 1874.



Witnesses.
C. F. Brown
M. Church

Inventor
Wm. Christie
by his Attys.
Hill & Ellsworth

UNITED STATES PATENT OFFICE.

WILLIAM CHRISTIE, OF PONTIAC, MICHIGAN, ASSIGNOR OF ONE-HALF HIS
RIGHT TO JAMES A. O'RILEY, OF SAME PLACE.

IMPROVEMENT IN BAG-TIES.

Specification forming part of Letters Patent No. **156,771**, dated November 10, 1874; application filed
September 5, 1874.

To all whom it may concern:

Be it known that I, WILLIAM CHRISTIE, of Pontiac, county of Oakland and State of Michigan, have invented certain new and useful Improvements in Bag-Ties; and I do hereby declare the following to be a full and exact description of the same, reference being had to the accompanying drawings forming part of this specification, in which the figure represents a perspective view of my improved bag-tie.

Similar letters of reference in the accompanying drawings denote the same parts.

My invention consists in the employment of curved wire links looped together, the link on one side of the tie being bent inward, so as to form a depression or depressions, one of which is made to engage with the opposite link. Wire of sufficient thickness must be used to retain the depressions. By this construction greater strength is obtained than by the use of the same amount of metal in a solid form, and the tie is not weakened by filing serrations therein.

In the accompanying drawings, A and B are links, curved to conform to the bag-open-

ing, and made of wire of sufficient thickness, one of which, A, is provided with eyes C C, for the reception of the bent ends of the opposite link B, thereby connecting the links by a pivotal joint. C' is a link, attached to the link A by the ordinary chain-joint, and having on its side, near its outer end, a depression or depressions, *d*, formed by bending down the wire, which will not weaken the wire at all.

In making the fastening for the tie, the link C' is passed through the link B, one of the wire sides of the latter falling into the depression *d*. Any suitable means may be provided for attaching the tie to the bag.

I claim as my invention—

The bag-tie herein described, consisting of the links A B C', connected together as set forth, the link C' having depressions *d*, formed by corrugating or bending in the wire of which it is composed on its under side, substantially as described, and for the purposes specified.

WILLIAM CHRISTIE. [L. S.]

Witnesses:

JOSEPH E. SAWYER,
GEORGE W. SMITH.