(No Model.)

J. Z. GIFFORD.

Packing Band.

No. 232,704. Patented Sept. 28, 1880.

Fig. 1.

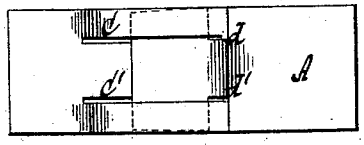


Fig. 2.

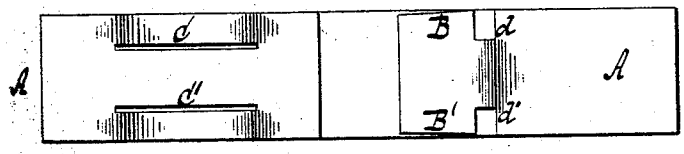


Fig. 3.

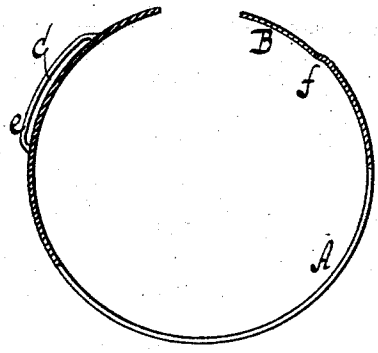
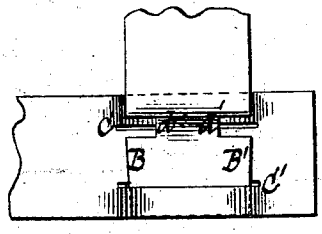


Fig. 4.



Witnesses
William Miller
Otto Hufeland

Inventor
John Z. Gifford
by
VanSantvoord & Hauff
his attorneys

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

JOHN Z. GIFFORD, OF NEW YORK, N. Y.

PACKING-BAND.

SPECIFICATION forming part of Letters Patent No. 232,704, dated September 28, 1880.

Application filed August 17, 1880. (No model.)

To all whom it may concern:

Be it known that I, JOHN Z. GIFFORD, a citizen of the United States, residing at New York, in the county and State of New York, have invented new and useful Improvements in Packing-Bands, of which the following is a specification.

This invention relates to bands for strengthening or fastening packages, such as barrels or casks, buckets, cases, bales, &c.; and it consists in a band constructed with a double hook at one end and with longitudinal slots near its opposite end for the reception of the members of the double hook, the length of the slots being equal to the aggregate width of the double hook to permit the insertion of the hook therein, as hereinafter more fully explained.

This invention is illustrated in the accompanying drawings, in which Figure 1 is a side view when the ends of the band are joined. Fig. 2 is a similar view when the ends of the band are separated. Fig. 3 is a part section and part plan view. Fig. 4 illustrates the manner of joining the ends of the band.

Similar letters indicate corresponding parts.

The letter A designates the body of the band; B B′, the members of the double hook at one end of the band, and C C′ the longitudinal slots near its opposite end. The band A is usually made of sheet metal, and the double hook B B′ is produced thereon by cutting notches *d d′* into the opposite edges of the band, near the desired end, so that the whole or aggregate width of the hook is no greater than the width of the band. The slots C C′ are opposite to each other in the direction of the width of the band, and the distance between them is equal to the width of the shank of the double hook B B′—namely, that portion of the band between the notches *d d′*.

When it is desired to join the ends of the band, the double hook B B′ is first inserted into the slot C′ with the ends of the band at a right angle to each other, as shown in Fig. 4, and then the hook is turned to bring its members into the slots respectively.

In order to facilitate the introduction of the double hook B B′ into the slots C C′ the material composing the band is bent up above its level on the outside of the slots C C′, as at *e*, Fig. 3, while it is bent below the level of the band at the shank of the hook, as at *f*, Fig. 3.

When my band is used on a barrel or other similar package the ends thereof are joined before it is put on the package; but if the package is of a yielding nature the ends of the band may be joined upon the package by a suitable key or instrument.

Instead of swaging the band on the outside of the slots, as shown, it may be bent up on the inside thereof, and in that case the shank of the double hook is bent in an upper direction instead of downward, while this hook is placed beneath the ends of the band having the slots when the ends are joined.

What I claim as new, and desire to secure by Letters Patent, is—

A packing-band constructed with a double hook at one end and with longitudinal slots near its opposite end, for the reception of the members of the double hook, the length of the slots being equal to the aggregate width of the double hook, to permit the insertion of the hook therein, substantially as described.

In testimony whereof I have hereunto set my hand and seal in the presence of two subscribing witnesses.

JOHN Z. GIFFORD. [L. S.]

Witnesses:

CHAS. WAHLERS,

WILLIAM MILLER.