R. M. PATTILLO.

Bale-Tie.

No. 222,073. Patented Nov. 25, 1879.

Fig. 1.

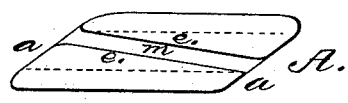


Fig. 2.

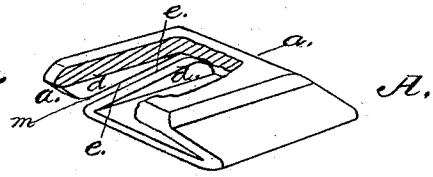


Fig. 3.

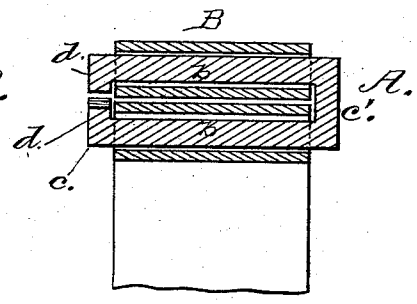
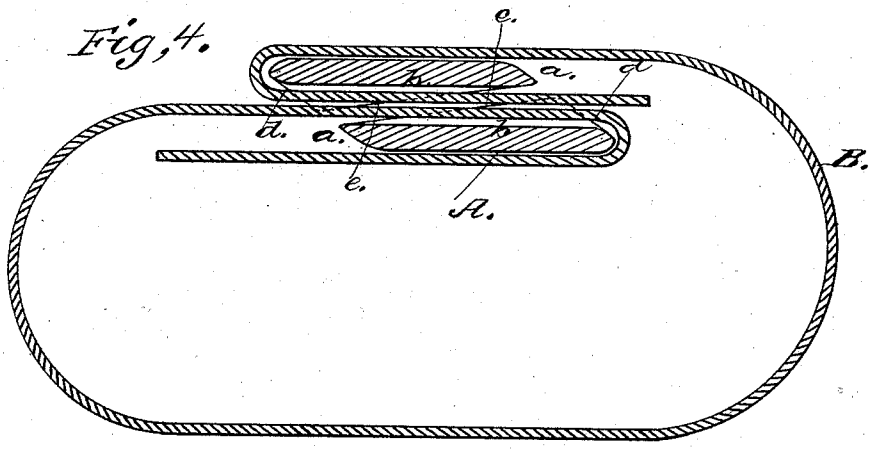


Fig. 4.



WITNESSES

Villette Anderson.

F. J. Masi.

INVENTOR

Robert M. Pattillo

by E. W. Anderson

his ATTORNEY

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

UNITED STATES PATENT OFFICE.

ROBERT M. PATTILLO, OF CARTERSVILLE, GEORGIA, ASSIGNOR OF ONE-HALF OF HIS RIGHT TO JOHN A. STOVER, OF SAME PLACE.

IMPROVEMENT IN BALE-TIES.

Specification forming part of Letters Patent No. **222,073**, dated November 25, 1879; application filed October 18, 1879.

To all whom it may concern:

Be it known that I, ROBERT M. PATTILLO, of Cartersville, in the county of Barton and State of Georgia, have invented a new and valuable Improvement in Cotton-Tie Buckles; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a side view of my improved buckle, showing the oblique slot. Fig. 2 is a perspective section thereof. Fig. 3 is a transverse section of the buckle and band, and Fig. 4 is a longitudinal section thereof.

This invention has relation to the buckles or couplings of cotton-bale ties; and it consists in the construction and novel arrangement of a sleeve-shaped coupling having oblique or beveled parallel ends and an oblique side cleft running lengthwise from the obtuse angles of the beveled ends, and bounded by angular side flanges, which taper in opposite directions to the upper and lower walls of the buckle, as hereinafter shown and described.

In the accompanying drawings, the letter A designates the buckle, and B the tie or band. The buckle is sleeve-shaped, and, in plan view, square, or nearly so, its ends being oblique or beveled and parallel to each other, as shown at *a a*.

The upper and lower walls *b b* of the buckle are parallel, and extend each beyond the other at the opposite ends of the plate, as shown. These upper and lower walls are connected by a strong side wall, *c'*. On the opposite side the wall *c* is formed by two angular flanges, *d*, which are, respectively, connected with the upper and lower walls *b b*, the broad ends of said flanges extending from those ends of the upper and lower walls which project each beyond the other, as stated, and the flanges tapering gradually by parallel edges *e* to the other or retracted ends of said upper and lower walls, with which they become merged or flush at the extremities.

Between the long parallel edges *e* of the flanges a slot or cleft, *m*, running obliquely between the obtuse angles of the buckle-wall on this side, serves for the admission and removal of the engaging portions of the tie or band.

When the bale of cotton is in compress, in order to reduce its size, the ends of the tie, being relieved from the endwise strain and pushed toward each other, will, in consequence of the tapering form of the side flanges, automatically disengage themselves, so that nothing is left to be done by hand except to cut the tie and make another loop.

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

The bevel-ended fastening for bale-ties, consisting of the side wall, *c'*, and the wedge-shaped flanges *d d*, increasing in height in opposite directions on the same side the entire length of the fastening, and forming at their edges the oblique cleft *m*, as shown and described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

ROBERT M. PATTILLO.

Witnesses:
PIERCE M. B. YOUNG,
W. H. HOWARD.