

D. S. SKINNER.
Cotton-Bale Ties.

No. 145,536.

Patented Dec. 16, 1873.

FIG. 1.

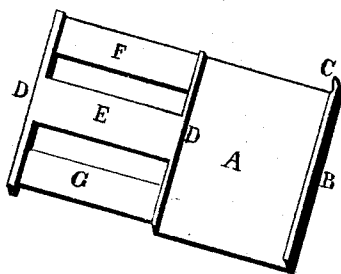


FIG. 2.

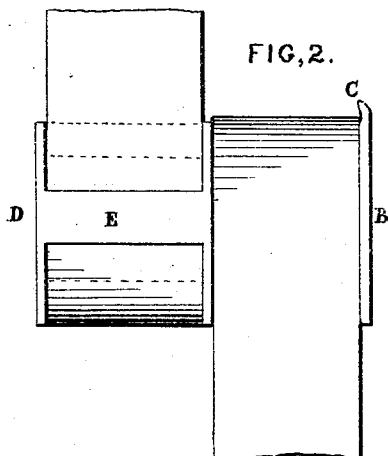
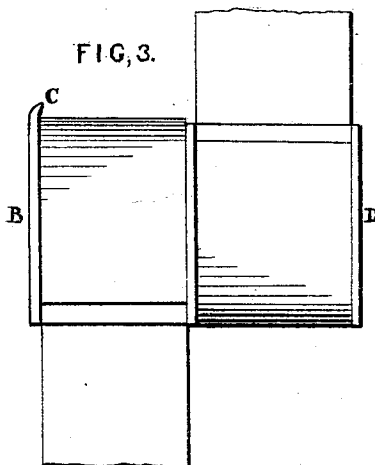


FIG. 3.



WITNESSES,

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DARIUS S. SKINNER, OF PROVIDENCE, RHODE ISLAND.

IMPROVEMENT IN COTTON-BALE TIES.

Specification forming part of Letters Patent No. **145,536**, dated December 16, 1873; application filed June 4, 1873.

To all whom it may concern:

Be it known that I, DARIUS S. SKINNER, of the city and county of Providence, in the State of Rhode Island, have invented a new and useful Improvement in Bale-Ties; and I do hereby declare that the following specification, taken in connection with the drawings making a part of the same, is a full, clear, and exact description thereof, in which—

Figure 1 represents a perspective view of my improved tie; and Figs. 2 and 3 show the front and back views of the same, with the ends of the band or strap applied as in use.

My improvement relates to that class of inventions whose object is to supersede in simplicity and durability other devices heretofore used in strapping or baling cotton and such other articles as may be desirable for its use. My invention consists in so constructing a tie, that while one end forms a positive connection with one end of a band or strap, the opposite end of said tie is held in position to be used as a hook, which hook serves to secure said band or strap around the bale, when the opposite end of the band is connected on the said hook, as hereinafter described.

In the accompanying drawings, A, Fig. 1, represents the plane or hooked end of my improved tie. Upon the upper surface of the outer edge is formed or cast a rib or abutment, B, which rib is provided with a hook-shaped projection, C, extending upward. The opposite or splicing end of said tie consists of three or more parallel planes or bars, supported or connected together by two ribs or abutments, D D. The central plane or bar E I denominate as a "bridge." The two planes or bars F and G are parallel with bridge E, said bridge be-

ing made a suitable distance above said bars F and G, for the end of the band or strap to be easily inserted in connecting them for use. Bar G is arranged a short distance from the lower edge of the tie to form a recess for the thickness of said band or strap, which is inserted first over the bar F and under the bridge E, then over the bar G, Fig. 2, and carried through a suitable distance to form a hook or clasp around the under edge of the said bar G, and at such a distance from the end of the band as may be desirable, or the size of the bale may allow, thus forming a strong and positive connection. The opposite end of the band or strap is carried around the bale and clasped over hooked end A, Fig. 2 representing the front view of the end of the band as applied, and Fig. 3 the back view of the same.

If made of wrought material, the bars F G and bridge E are correspondingly raised or depressed to produce the same relative positions. Ribs or abutments may be formed at the same time, or the material so manufactured as to produce the ribs or abutments before the same is otherwise completed.

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

The bridge E, in connection with the ribs or abutments D D, and in combination with the bars F G, plane A, and abutment B, with its projection C, constructed substantially as herein set forth, and for the purpose specified.

DARIUS S. SKINNER.

Witnesses:

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