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JAMES C. COIT.

Improvement in Bale Tie and Straining Lever.

No. 122,813. Patented Jan. 16, 1872.

Fig 1.

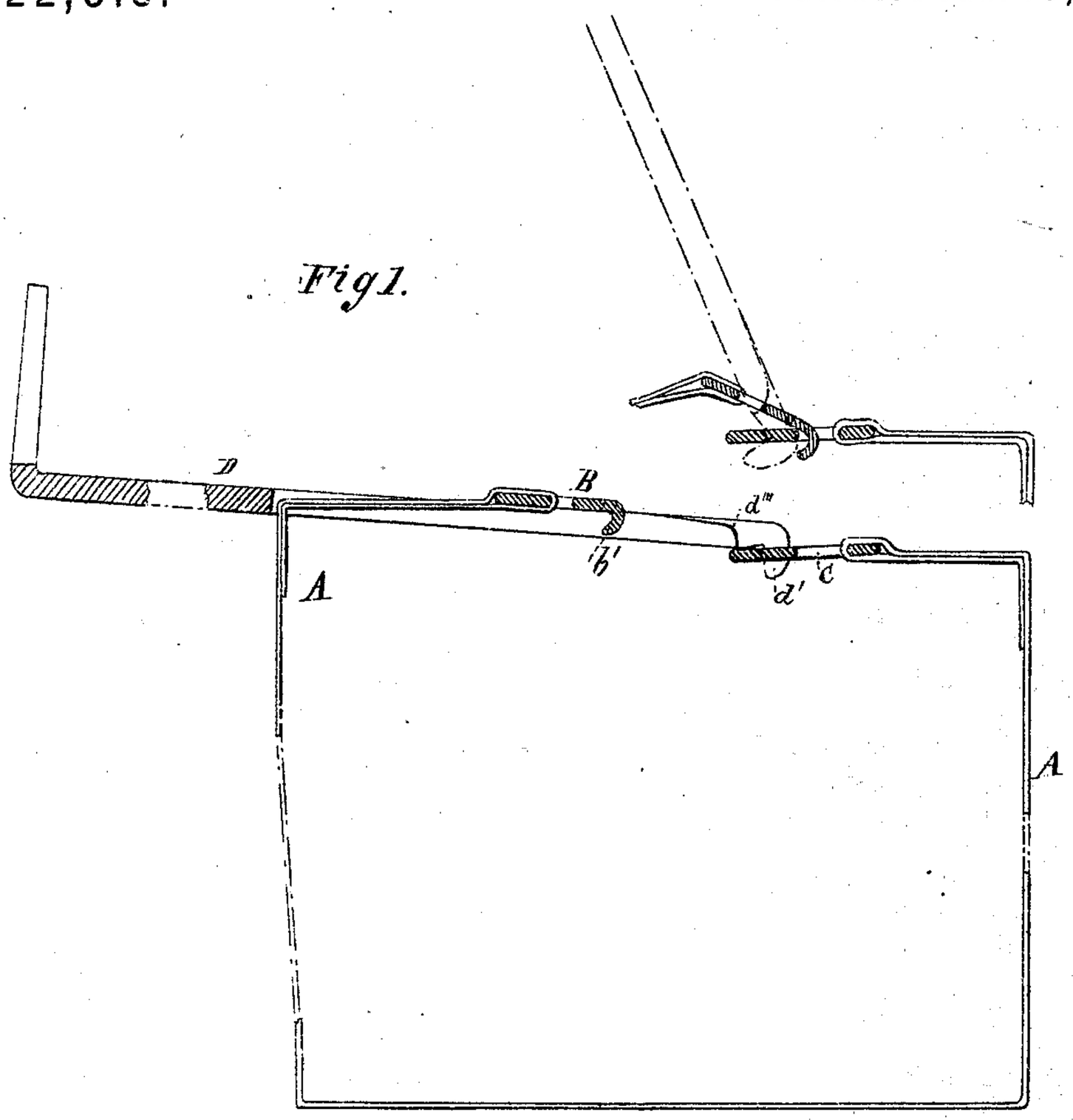
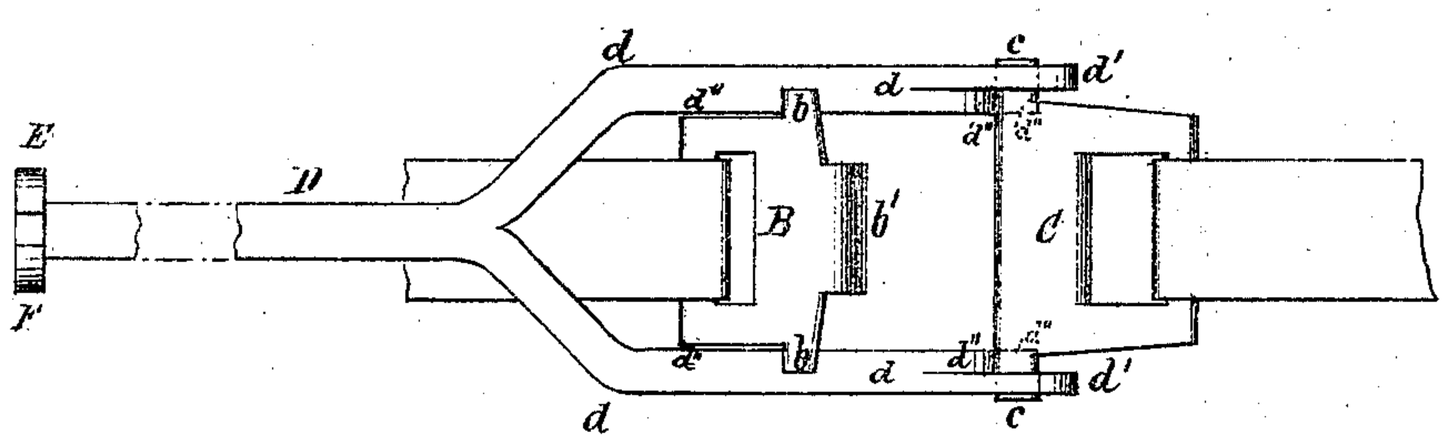


Fig. 2.



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UNITED STATES PATENT OFFICE.

JAMES C. COIT, OF CHERAW, SOUTH CAROLINA.

IMPROVEMENT IN BALE-TIES AND STRAINING-LEVERS.

Specification forming part of Letters Patent No. 122,813, dated January 16, 1872.

Specification describing Improvements in Mode of Constructing a Straining-Lever and Bale-Tie for Packing-Bands, invented by JAMES C. COIT, of Cheraw, in the county of Chesterfield and State of South Carolina.

The invention will be first fully described in connection with the drawing and subsequently pointed out in the claims.

Figure 1 of drawing is a vertical section, and Fig. 2 a plan view.

A represents a packing-band, and B C the hook-and-eye frames by which the band is fastened over a bale of cotton or goods of any character which require compression. On the frame B are a hook, b', and guide-flanges b b, and on the frame C are grapple-flanges c c, which extend in latitude beyond the width of the frame B. D is a tool, having two prongs, d d, set far enough apart to allow the body of the frame B to pass between them. At the end of each prong d is a grapple-hook, d^1, of less width than either of said prongs. The inner top surface d^2 of said prongs serve as guides on which the flanges b b of the frame B slide. They are also curved at d^3, and terminate where the shanks of grapple-hooks d^1 begin. E E are two prongs on the handle end of the tool D, placed at right angles thereto, and which are used for bending the ends of the band.

The mode of operation is as follows: The frames B C being firmly attached in any suitable manner to the ends of the band A, the latter is placed around any package whose bulk is to be reduced by compression, and the frame C passed under and up between the prongs d d. Having now been turned so that the flanges b b rest upon the guides d^2 d^2, the grapples d^1 d^1 are passed over the flanges c c of large frames C, and the tool D is ready for action. By lifting the tool by one end and upon the other as a fulcrum the large frame C is drawn forward to meet the frame B, which slides down upon the guides d^2 d^2. When the tool reaches a position at right angles, or nearly so, to the band, the hook b' falls into the eye of the frame C, the band is securely tied, and the package effectually compressed.

Having thus described all that is necessary to a full understanding of my invention, what I esteem to be new, and desire to protect by Letters Patent, is—

1. The bale-tie herein described, composed of hook-and-eye frames B C provided with flanges b b c c and hook b', respectively, constructed as and for the purpose set forth.

2. In combination with a bale-tie constructed as herein described, the lever D having prongs d d, grapples d^1 d^1, and guides d^2 d^2, as and for the purpose set forth.

3. The method of compressing and fastening a bale of cotton and other substances of like nature by means of the hook-and-eye frames B C and lever D, all constructed and arranged to operate as specified.

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Witnesses:

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