

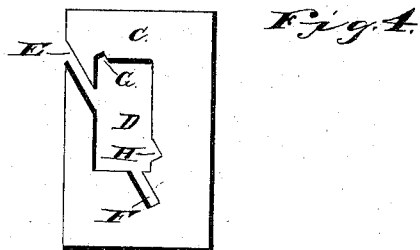
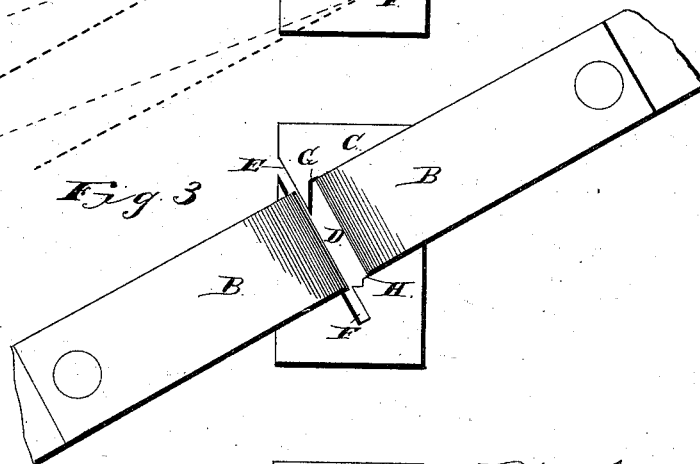
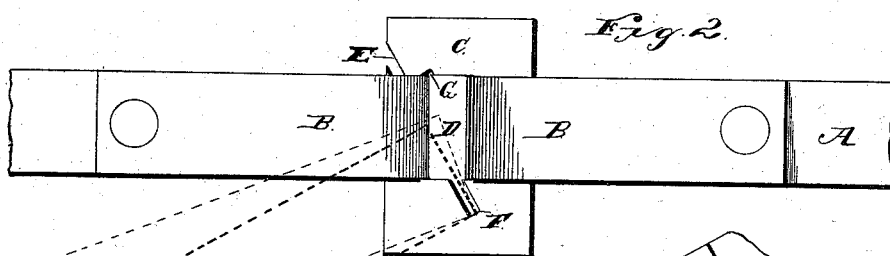
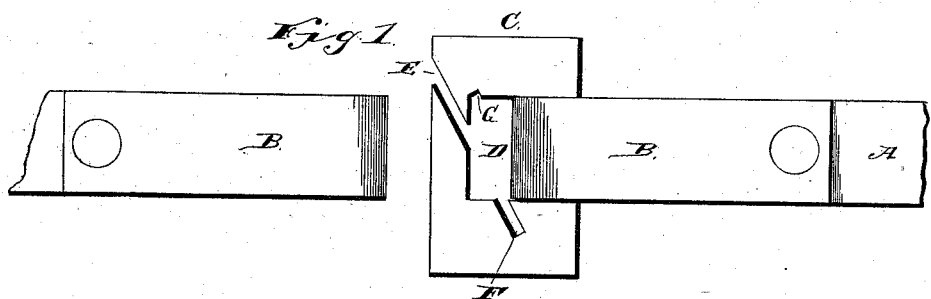
(No Model.)

T. T. WELLS.

BALE TIE.

No. 382,396.

Patented May 8, 1888.



Witnesses.

Geo. Phelps  
A. W. Bishop.

Inventor,  
Thomas T. Wells  
By his Attorneys  
C. H. Snow & Co.

# UNITED STATES PATENT OFFICE.

THOMAS T. WELLS, OF UNION, MISSISSIPPI.

## BALE-TIE.

SPECIFICATION forming part of Letters Patent No. 382,396, dated May 8, 1888.

Application filed November 11, 1887. Serial No. 254,920. (No model.)

### *To all whom it may concern:*

Be it known that I, THOMAS T. WELLS, a citizen of the United States, residing at Union, in the county of Newton and State of Mississippi, have invented new and useful Improvements in Bale-Ties, of which the following is a specification.

My invention relates to improvements in bale-ties; and it consists in certain novel features, hereinafter described and claimed.

In the accompanying drawings, which fully illustrate my invention, Figure 1 is a plan view of my improved tie, showing it unfastened. Fig. 2 is a plan view showing the tie fastened, the different steps of the operation of fastening being indicated by dotted lines. Fig. 3 is a plan view showing the buckle in a different position from that shown in Figs. 1 and 2, and Fig. 4 is a detail view of the buckle.

Referring to the drawings by letter, A designates the ordinary strap or band having the usual loops, B, at its ends.

C designates the buckle, having the longitudinal slot D, forming the seat for the ends of the strap or band. From one side of this slot D a passage, E, extends obliquely to the adjacent side edge of the buckle, through which the ends of the strap are passed in fastening the tie, as will be hereinafter more fully referred to. From one end of the slot D a notch, F, extends into the body of the buckle at an angle to the slot D and in line with the passage E, the purposes of which will presently appear.

In the angle of the slot D, formed by that side of the slot from which the passage E extends and the end of the slot opposite the end from which the notch F extends, I form the small notch G, which is V-shaped in plan view, as clearly shown, and in the side of the slot D, opposite the side from which the passage E extends, I form a larger V-shaped notch, H, which is so arranged that the notches G H form practically the ends of a slot running parallel to the passage E and notch F.

In practice the buckle is applied to the loop on one end of the strap by having the said

loop passed through the passage E and into the notch F. The said loop is then swung around slightly in the arc of a circle, so as to entirely disengage it from the passage E, after which it is moved laterally into the slot D and against the closed side of the same. The other end of the strap is then fitted to the buckle in a similar manner, and the fastening is then completed, as will be readily understood on reference to Figs. 1 and 2.

It may sometimes be found desirable to have the buckle at an angle to the straps, and this position is illustrated in Fig. 3. In said figure the end of one strap rests in the notches G H, and the other strap bears against the inner walls of the passage E and notch F, the friction of the strap against the buckle being sufficient to prevent the straps from becoming disengaged from the buckle. This feature of my device will be found peculiarly advantageous in cases where the length of the strap is such that it will be impossible to turn the buckle to a position at right angles to the strap, as will be readily understood.

From the foregoing description, taken in connection with the accompanying drawings, it will be seen that I have provided a very simple and efficient device, and its advantages will be readily appreciated.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

A buckle for bale-ties having a longitudinal slot, D, an oblique passage, E, extending from one side of said slot to the edge of the buckle, a notch, F, extending obliquely from the end of the slot in line with the passage E, and V-shaped notches G H at the opposite end and side, respectively, of said slot D, substantially as specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

THOMAS T. WELLS.

Witnesses:

W. H. BARRETT,  
R. D. EMMONS.