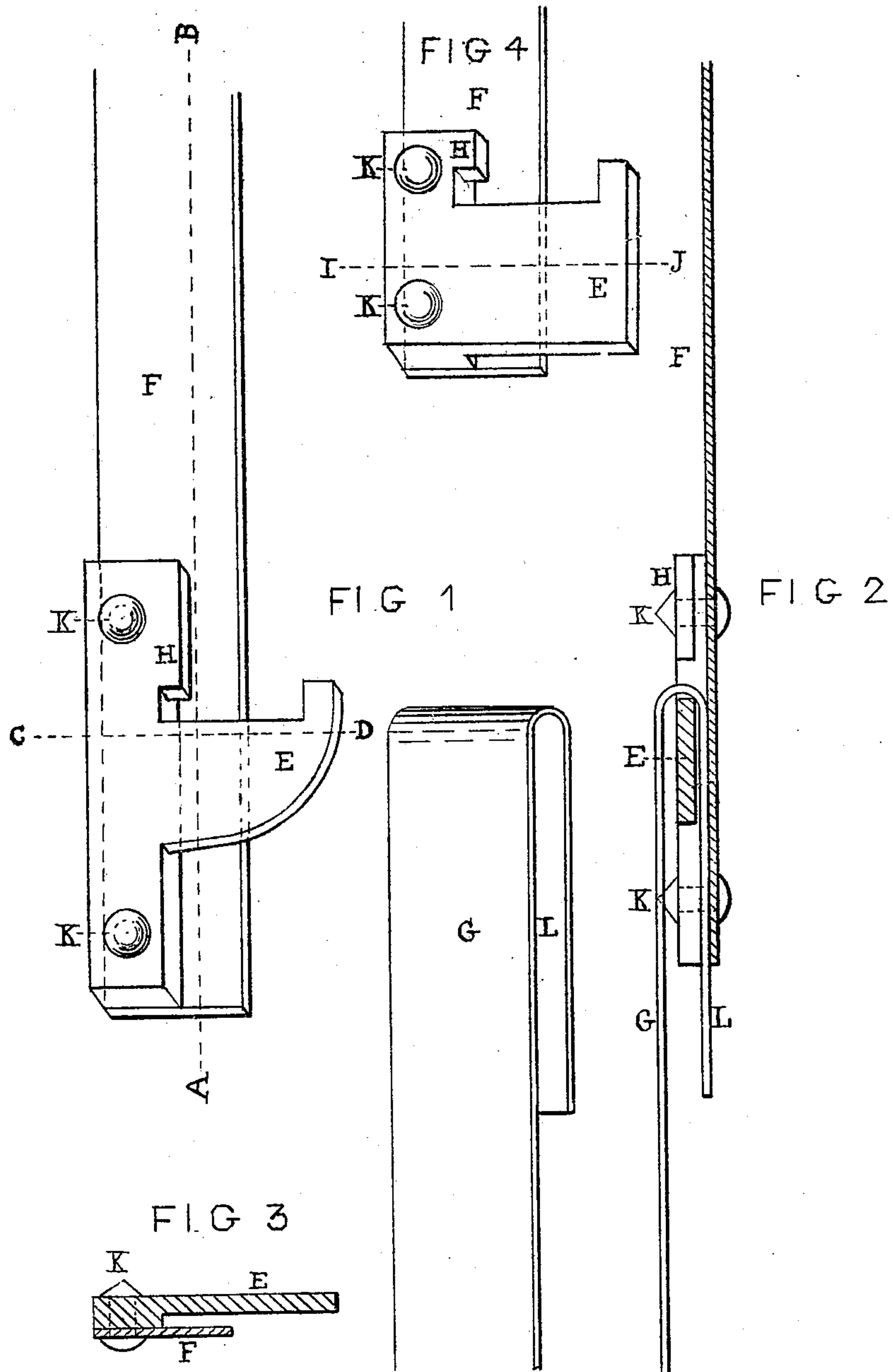


F. COOK.
Bale-Ties.

No. 142,772.

Patented September 16, 1873.



Witnesses.

D. P. Young
H. J. Ellett

Inventor
Frederic Cook

UNITED STATES PATENT OFFICE.

FREDERIC COOK, OF NEW ORLEANS, LOUISIANA.

IMPROVEMENT IN BALE-TIES.

Specification forming part of Letters Patent No. **142,772**, dated September 16, 1873; application filed July 28, 1873.

To all whom it may concern:

Be it known that I, FREDERIC COOK, of New Orleans, State of Louisiana, have invented certain Improvements in Bale-Ties, of which the following is a specification:

The object of my invention is to make a bale-tie of metal bands, and an attachment for fastening them together, that can be instantly adjusted, (as quickly as any open-slot tie,) that requires but one end of the band to be bent, and that possesses the novelty of having a piece of metal riveted onto the straight end of the band, the said piece of metal being so made, by means of a portion (where the rivets pass through it) being thicker than the balance, that the portion onto which the looped end of the band is slipped and strains is raised off the surface of the straight end of the band enough to allow the bent end of the loop of the band to slip in between the straight band and the thinnest portion of the plate or piece riveted on. By this arrangement the bent end of the loop of the band is prevented drawing out, and the tie is locked either on or off the bale, and is not dependent on its expansive force to hold the bent end of the loop in position.

Reference is made to the accompanying drawings, in which—

Figure 1 is a perspective view. Fig. 2 is a section through A B of Fig. 1. Fig. 3 is a section through U D of Fig. 1. Fig. 4 is a perspective view of the tie, but made shorter, and dispensing with some of the metal shown in Fig. 1, and is, I think, the best practical form to make it to save metal.

F is the straight end of the band, which has the hook-piece E riveted onto it. This hook-piece, it will be seen, has a thick side on it, through which the rivets K pass. A space is thus left between the hook-piece E and the band F, into which space the bent end L of the loop G slips when the looped end of the band is hooked onto the hook-piece E, and is thus held in position. H is a projection for the purpose of preventing the looped end coming off the hook-piece should the bands become slack from any cause, and is very effectual. The hook-piece E may be either riveted to the band itself or onto a separate piece of band, which piece may be riveted to the band. If the hook-piece E be made of malleable iron, the rivets K may be cast onto it and riveted on inside of the band.

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

1. The cotton-tie made as shown and described, or its equivalent.
2. The plate E, having the stop H and an offset or thicker part, through which the rivets K pass.
3. The plate E, attached to the straight end of the band, and so made as to admit the bent end of the loop of the band between the hook-piece of plate E and the straight end of the band, to prevent the bent end of the loop drawing out by the strain of the expansion of the bale.

FREDERIC COOK.

Witnesses:

J. P. YOUNG,
H. T. ELLITT.