

(No Model.)

F. COOK.
BALE TIE.

No. 306,585.

Patented Oct. 14, 1884.

FIG 1

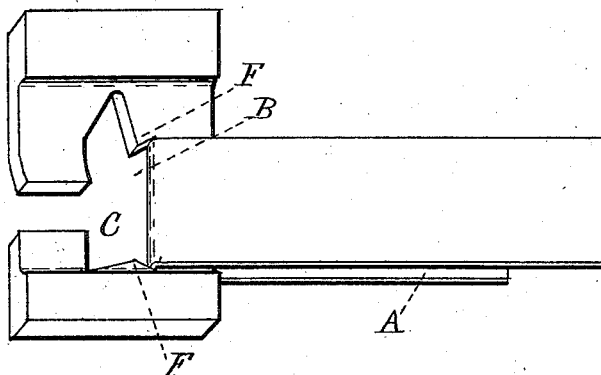


FIG 2

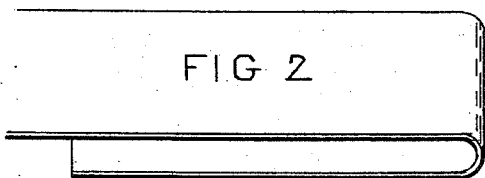


FIG 3

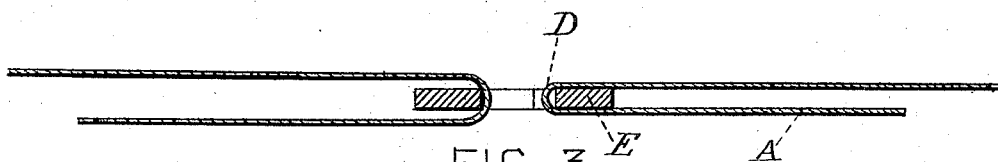


FIG 4

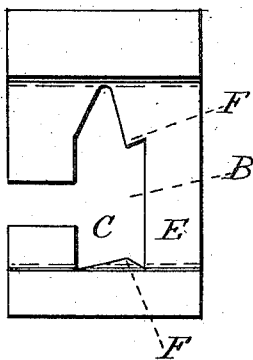
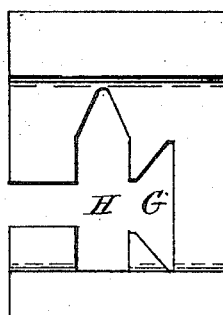


FIG 5



WITNESSES

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UNITED STATES PATENT OFFICE.

FREDERIC COOK, OF NEW ORLEANS, LOUISIANA.

BALE-TIE.

SPECIFICATION forming part of Letters Patent No. 306,585, dated October 14, 1884.

Application filed August 16, 1884. (No model.)

To all whom it may concern:

Be it known that I, FREDERIC COOK, a citizen of the United States, residing at New Orleans, in the parish of Orleans and State of Louisiana, have invented a new and useful Improvement in Bale-Ties, of which the following is a specification.

The nature of my invention relates to providing a means of attaching the buckle to baling-band for shipping purposes, so that the planter may receive his ties at his press in bundles ready for use when the bundles are opened, each band being provided with its buckle.

The invention is shown as an improvement on the arrow cotton-tie buckle; but any side slot or other buckle can be made with my invention combined with it.

It consists of providing the mortise of buckle with the dovetailed band-seat, so that when the band end has been thrust endwise through the mortise, between the dovetailed sides of band-seat, and then bent into a loop that fits or nearly fits the bar of buckle, the loop cannot get out unless it is opened, until the bent end is nearly square with the band—a position it is unlikely to get into except force is used—and for all purposes of shipping and manipulating the ties previous of application to the bale this manner of fastening the buckle to band is simple, cheap, and effectual, preventing loss of buckles, and meets the wants of the trade, to have a buckle attached to band end cheaply, and that can be removed with ease for re-pressing purposes, the bands straightened out, and the buckle replaced.

In the accompanying drawings, Figure 1 is a perspective view of the arrow cotton-tie buckle with my improvement, and shows one end of band attached to buckle. Fig. 2 is a perspective view of the other end of band, ready to pass sidewise through the open slot into buckle. Fig. 3 is a longitudinal section of both band ends and buckle when tied. Fig. 4 is a face view of my improved arrow tie-buckle. Fig. 5 is a face view of a modification of form of my improved buckle, in which the dovetailed part of mortise is made deeper and the side projecting points approach near

enough together to form a band-seat similar to opposite open-slotted bar. This form may be of use in re-pressing. After the bands have been removed from the plantation bale, the buckles taken off, and the bands straightened out, in applying the band to the bale to be re-pressed, the band end can be inserted at either H or G part of mortise, and will find a seat.

To apply the band end to the buckles shown at Figs. 1, 3, and 4, before the loop is formed at factory, (or elsewhere,) the end A of band is thrust through dovetail B of mortise C, then bent into a loop and pressed or hammered down so that its curved end D fits nearly to bar E. The projecting sides F prevent any end motion (or nearly so) of looped end D, and the buckle is sufficiently attached to band to hold it in its place between the factory and the press where the bundles are opened.

The projection F at arrow-head end of buckle may be slightly set or riveted over looped end of band, if desired; but in this case the band cannot be removed afterward from buckle.

It is obvious that the shapes of the projections F may be deviated from that shown, and may effect the same purpose, and can be applied to other bale-buckles than the arrow.

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

1. In an open-slot and mortised bale-buckle, one of its band-seats provided with dovetailed or projecting sides to prevent buckle escaping from loop of band in transportation, and to provide a tie ready for use with buckle attached without riveting or confining bent end of loop.

2. An arrow bale-tie buckle constructed with dovetailed band-seat for receiving and engaging the looped end of the band, substantially as described.

3. The herein-described self-locking device for attaching a bale-tie buckle to a band, having the loop of the band closed together to lock it to the buckle, substantially as described.

FREDERIC COOK.

Witnesses:

W. B. MURPHY,
J. B. DAZEL.