F. M. LOGUE.

Bale Tie.

No. 201,431. Patented March 19, 1878.

FIG. 1.

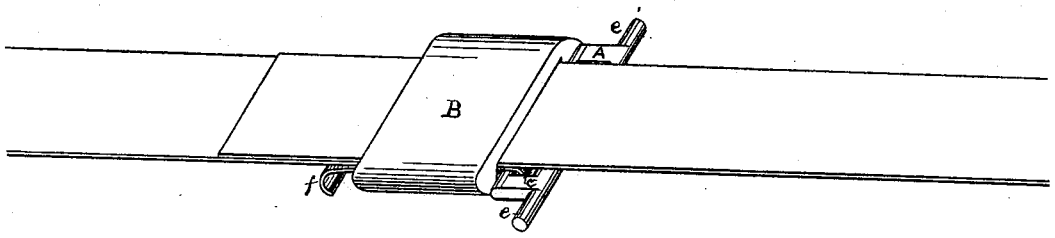


FIG. 2.

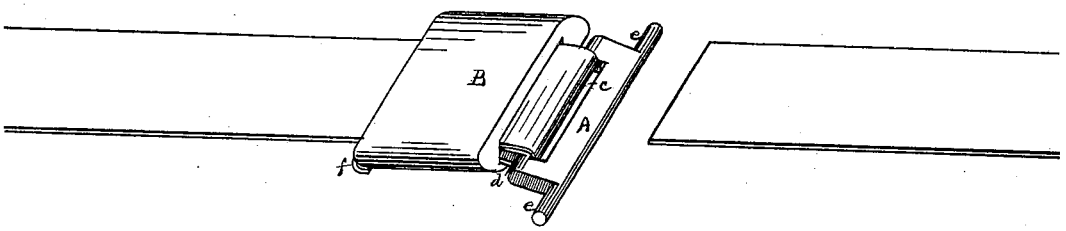
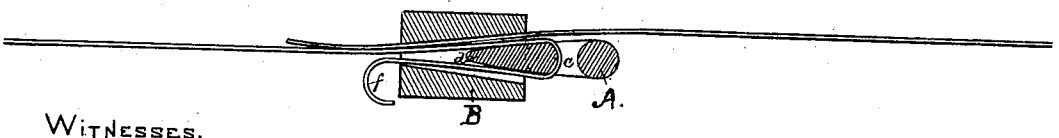


FIG. 3.



Witnesses.

J. C. Hubbell

J. Connor

Inventor.

F. M. Logue

By H. N. Jenkins

Attorney.

UNITED STATES PATENT OFFICE.

FRANCIS M. LOGUE, OF VICKSBURG, MISSISSIPPI.

IMPROVEMENT IN BALE-TIES.

Specification forming part of Letters Patent No. **201,431**, dated March 19, 1878; application filed August 17, 1877.

To all whom it may concern:

Be it known that I, FRANCIS M. LOGUE, a resident of the city of Vicksburg, county of Warren, and State of Mississippi, have invented a certain new and useful Improvement in Bale-Ties; and I do hereby declare the following to be a full, clear, and correct description of the same, reference being had to the annexed drawing, making a part of this specification.

This invention relates to certain improvements in bale-ties rendered necessary by the introduction of late of new and improved machinery for pressing and compressing cotton and other materials, whereby the increased density obtained may be retained in each bale after its release from pressure, hence admitting of a greater number of bales being stored or transported within a given space.

The nature of my invention will be readily understood by referring to the accompanying drawing, on which—

Figure 1 represents the opposite ends of a bale-band secured together with my device. Fig. 2 represents the device secured to one end of a band, with the opposite end of the said band in position ready for attachment. Fig. 3 is a longitudinal section through the center of Fig. 1.

This invention is composed of two metallic pieces, A B, the former provided with band-slot *c*, wedge projection *d*, and lugs *e e*, and the latter with a wedge-shaped aperture, as shown. One end of the band is first secured to the device, either at the manufactory or press, by passing it through from the smallest side of the aperture in section B, and through the slot *c* of section A, then by bending back a certain portion thereof, so as to form an oblate hook, with the projection *d* inclosed therein. Section B is next slipped forward over the hook, but not far enough to wedge, as it is necessary that sufficient space shall be left for the passage, at a subsequent time, of the free end of the band through the aperture of the aforesaid section. The extremity of the hook is afterward bent, as at *f*, to prevent either section from becoming accidentally unfastened.

The operation of my invention is as follows: After the band has been passed around the bale, the ends are locked together by inserting the free end in the widest part of the aperture of section B, through which it is drawn, in front of the opposite end and section plate, until all the slack is taken up, in which position it is securely wedged by the projection *d* of section A, and the oblate hook inclosing the same.

One section of the device is provided with lugs *e e*, in order to permit of the employment of a band-tightener in connection therewith.

I am aware that it is not new to secure a bale-tie by means of a wedge drawn by a loop in the tie into a block having a wedge-shaped slot, and such I do not claim, broadly.

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

The bale-tie herein described, consisting of sections A and B, the latter provided with a tapering aperture, and the former with a band-slot, *c*, projection *d*, and lugs *e e*, for the purpose set forth.

In testimony whereof I have hereunto signed my name.

F. M. LOGUE.

In presence of—
J. C. HUBBELL,
J. T. ROACH.