

W. Onions.

Cotton Bale Tie.

N^o 59,443. Patented Nov. 6, 1866.

Fig.

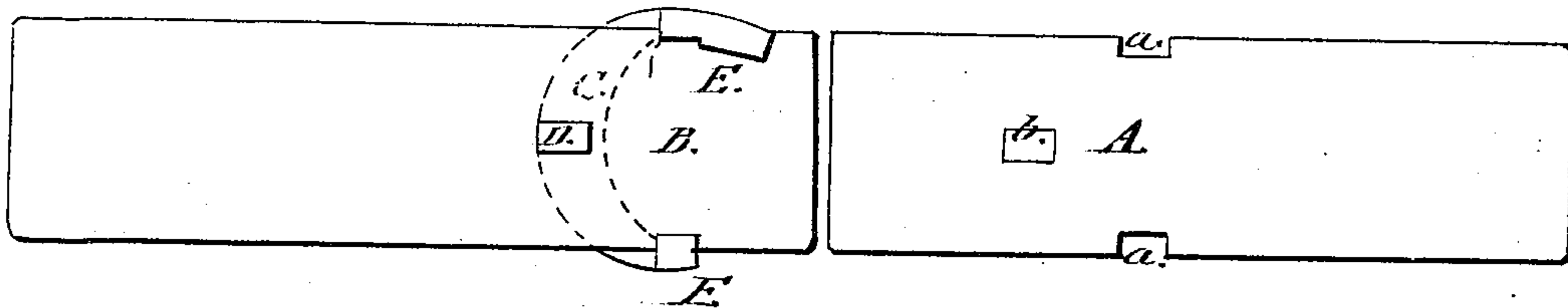


Fig. 2.

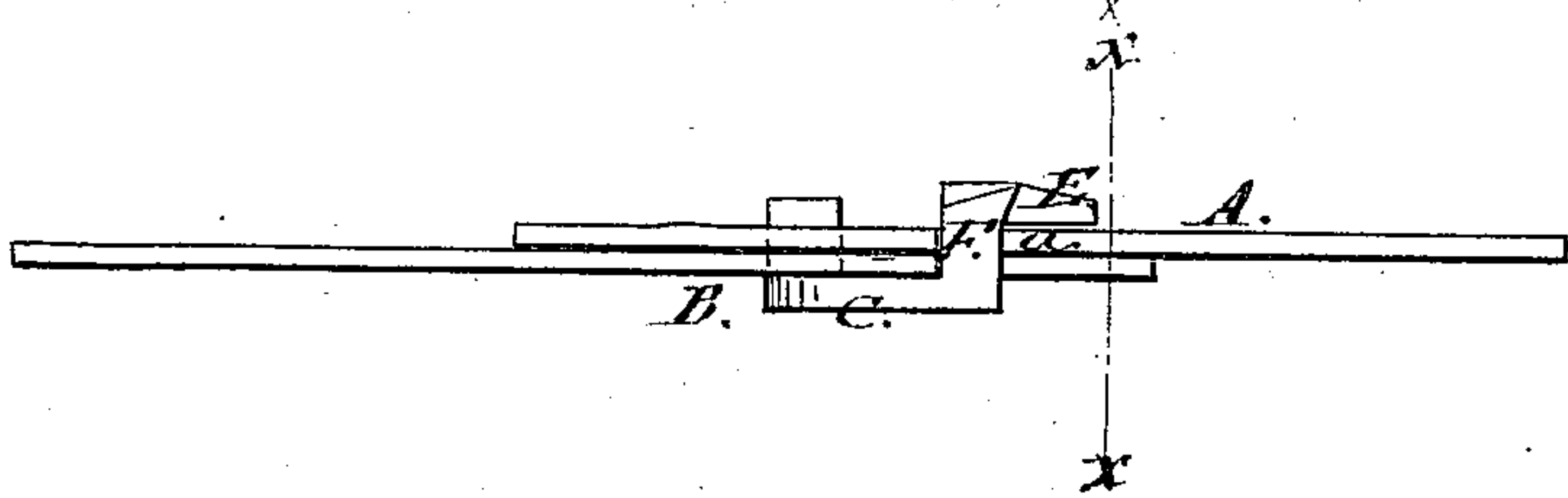
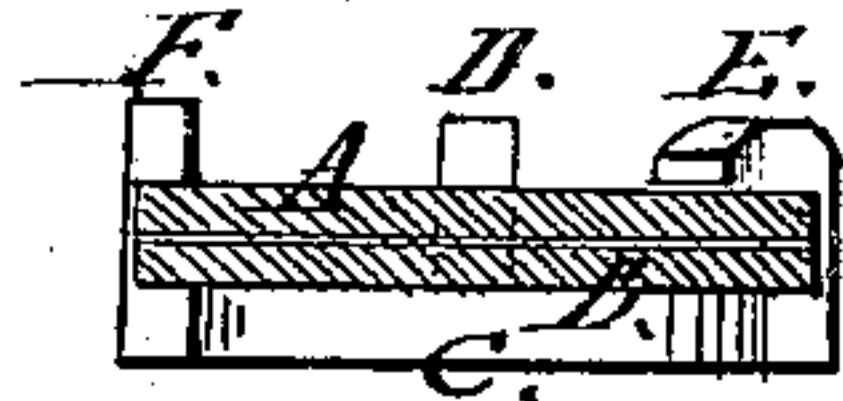


Fig. 3.



Witnesses:

Jas. A. Larned

J. W. D. Cornington

Inventor:

Wm Onions

Per Munnell
attorneys

UNITED STATES PATENT OFFICE.

WILLIAM ONIONS, OF ST. LOUIS, MISSOURI.

IMPROVEMENT IN COTTON-BALE TIES.

Specification forming part of Letters Patent No. **59,443**, dated November 6, 1866.

To all whom it may concern:

Be it known that I, WILLIAM ONIONS, of the city and county of St. Louis, State of Missouri, have invented a new and Improved Cotton-Bale Tie; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

The present invention relates to a new and useful tie, especially intended for cotton-bales, although it can be applied to other bales, whereby many important advantages are obtained, as will be apparent from the following detail description of the same, reference being had to the accompanying plate of drawings, in which—

Figure 1 is a top view of the two ends of a bale-hoop, showing my tie applied to them; Fig. 2, a side or edge view of the hoop ends secured or locked together; Fig. 3, a transverse section taken in the plane of the line *x x*, Fig. 2.

Similar letters of reference indicate like parts.

A and B in the drawings represent the two ends of a bale-hoop, one of which, A, upon its edges, at points opposite to each other, has square-shaped notches *aa*, one upon each edge, and a square-shaped opening, *b*, half-way between its two edges, but a little toward the

end of the hoop. To the under side of the other end, B, of the hoop a curved bar, C, is secured, which by its tongue-piece D projects through the center of the hoop a short distance from its end, and by its hook ends E and F over and around the edges of the hoop, one hook, E, being elongated toward the end of the hoop.

Under the elongated hook E the notched end A of the hoop is placed, and its opening *b* over the tongue-piece D, the two notches *a a* corresponding with the hooks E and F, and fitting about the shank portion of the same.

From the above description it is plain to be seen that a secure and reliable locking of the two ends of the hoop together is obtained, that great strength is imparted to the tie, and all possibility of its becoming unlocked obviated—advantages of the utmost importance.

I claim as new and desire to secure by Letters Patent—

The bar C, secured to one end of the bale-hoop, and having center tongue-piece, D, and side hooks, E and F, in combination with the notches *a a* and opening *b* in the other end of the bale-hoop, substantially as described, and for the purpose specified.

WILLIAM ONIONS.

Witnesses:

JOHN GIBBONS,
HENRY ROBERTS.