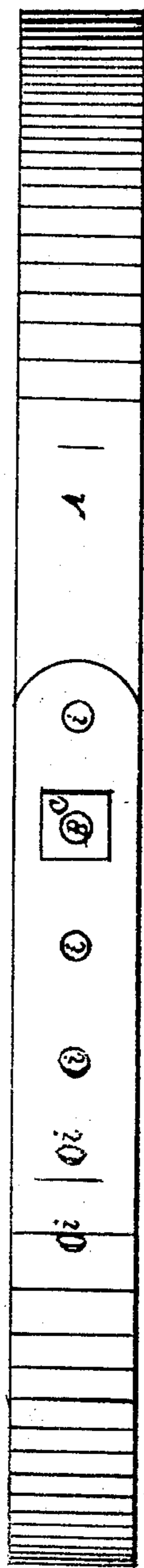
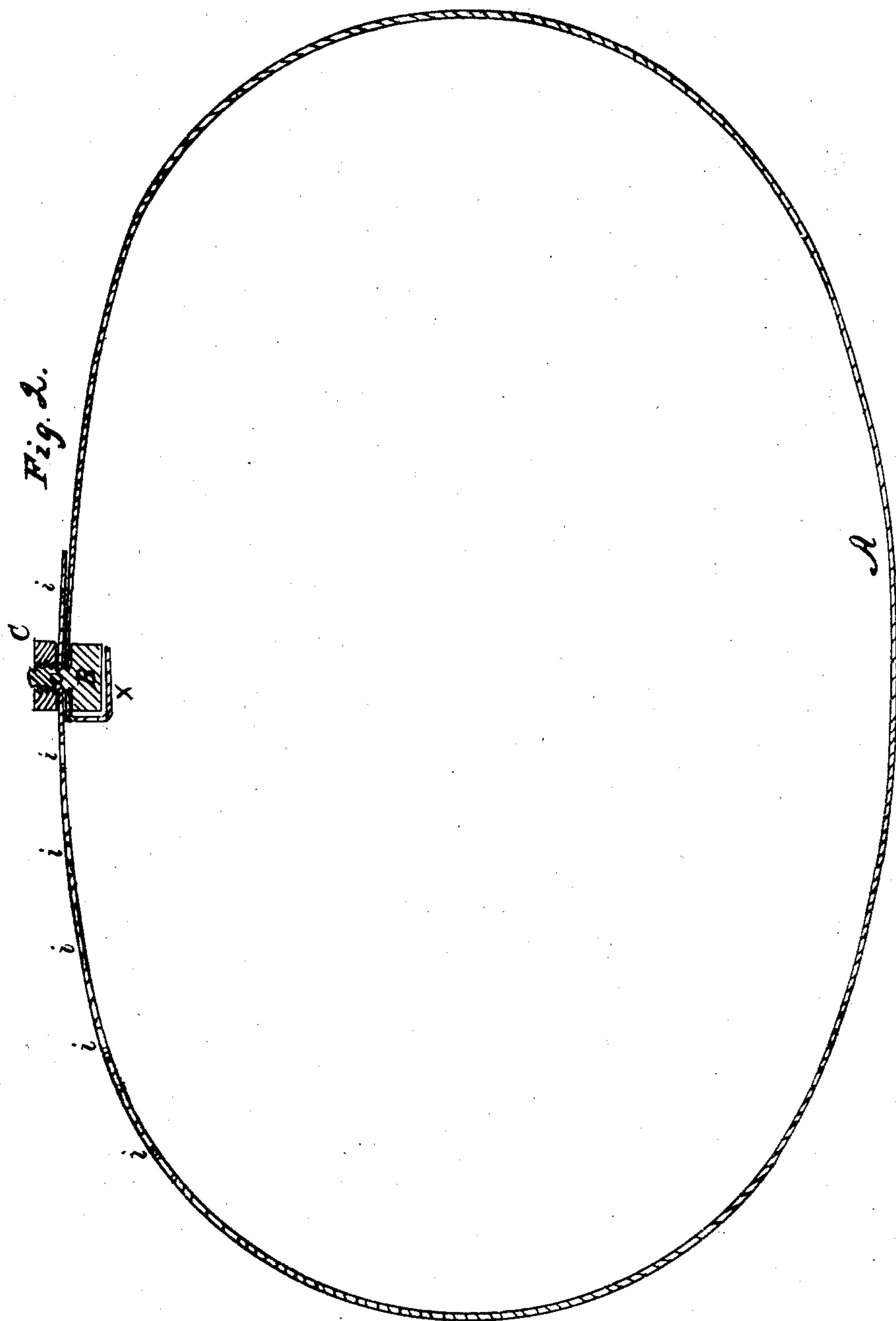


H. W. Oliver Jr.

Band for Baling Cotton.

N<sup>o</sup> 76238

Patented Mar. 3, 1868.



Witnesses.

Aaron B Cate.

A. C. Johnston.

Inventor.

H. W. Oliver

By his Attorney

James J. Johnston.

# United States Patent Office.

HENRY W. OLIVER, JR., OF PITTSBURG, PENNSYLVANIA.

*Letters Patent No. 76,238, dated March 31, 1868.*

## IMPROVED BAND FOR BALING COTTON.

*The Schedule referred to in these Letters Patent and making part of the same.*

### TO ALL WHOM IT MAY CONCERN:

Be it known that I, HENRY W. OLIVER, Jr., of Pittsburg, in the county of Allegheny, in the State of Pennsylvania, have invented a new and useful Improvement in Bands for Baling Cotton; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings; and to the letters of reference marked thereon.

The nature of my invention consists in combining with hoop-iron a screw-bolt and nut, for the purpose of forming a band for baling cotton, said hoop-iron, screw-bolt, and nut being constructed and arranged, with relation to each other, in the manner hereinafter described.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation. In the accompanying drawings, which form part of my specification—

Figure 1 is a top view of my improvement in bands for baling cotton.

Figure 2 is a longitudinal section of the same.

In the drawings, A represents the hoop-iron, which is provided with a series of openings, marked *i*. B represents a small screw-bolt, provided with a screw-nut, marked C. The shank *o* of the bolt B is placed in an opening made near the end of the band A, and the projecting piece of the band is then bent down and under the head of the bolt, as indicated at *x* in fig. 2.

By bending a small portion of the band A closely around the head of the bolt, as above described, it will prevent the bolt from turning while securing the ends of the bands together by means of the screw-nut C.

As the construction of my improvement in bands for baling cotton will be readily understood from the foregoing description, and by reference to the accompanying drawings, I will, therefore, proceed to describe its operation.

The band is placed around the cotton-bale in the usual manner, and the cotton is compressed by the ordinary means. The ends of the bands are drawn together, and the shank *o* is put into one of the openings *i*. The screw-nut is then screwed on the shank *o* until the ends of the band are pressed firmly together.

Bands constructed as herein described can be manufactured at a low cost, are durable, and not liable to become loose or detached from the cotton-bale.

I wish it clearly understood that I do not claim broadly the use of hoop-iron, when in combination with a bolt and nut, for forming a band.

Having thus described the nature, construction, and operation of my improvement, what I claim as of my invention, is—

The band A, bent around the head of the bolt B, as indicated at *x*, said band being used in combination with the bolt B and nut C, constructed, arranged, and operating substantially as herein described, and for the purpose set forth.

HENRY W. OLIVER, JR.

Witnesses:

JAMES J. JOHNSTON,

A. C. JOHNSTON,