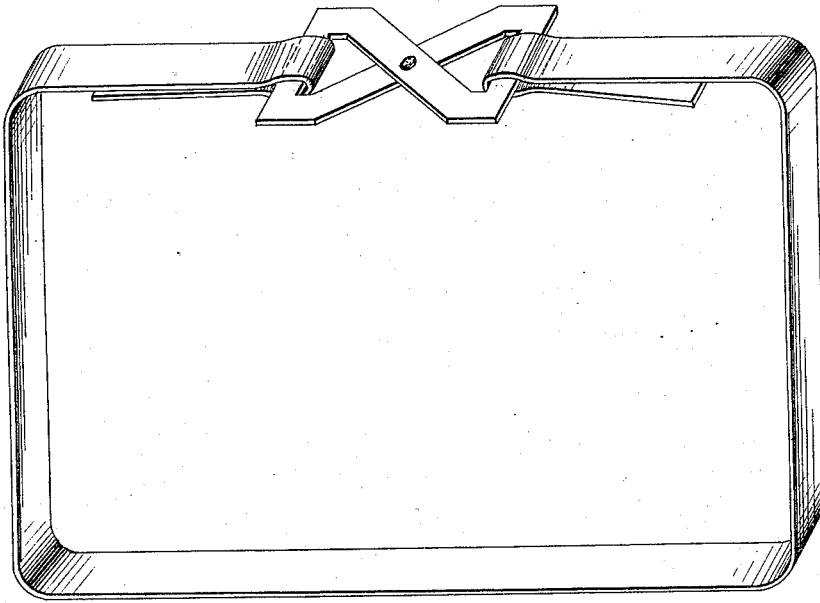


W. L. ROSE.  
Bale-Tie.

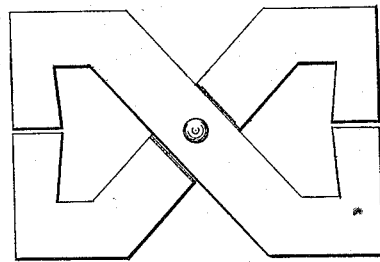
No. 163,331.

Patented May 18, 1875.

*Fig 1.*



*Fig 2.*



*Witnesses:*

*W. C. Pennington*  
*Beverly Rose*

*Inventor:*

*W. L. Rose*

# UNITED STATES PATENT OFFICE.

WALTER L. ROSE, OF WADESBOROUGH, NORTH CAROLINA.

## IMPROVEMENT IN BALE-TIES.

Specification forming part of Letters Patent No. **163,331**, dated May 18, 1875; application filed  
January 29, 1875.

*To all whom it may concern:*

Be it known that I, WALTER L. ROSE, of the town of Wadesborough, Anson county, State of North Carolina, have invented a new and useful Improvement in Bale or Cotton Ties; and do hereby declare that the following is as full, clear, and exact description of the construction and operation of the same as far as I am able to give.

The tie is formed by cross-riveting two pieces of strong iron in the center, as shown in the accompanying drawing, the same acting as a double lever when the pressure of the bale is thrown on the hoops, thereby always keeping the tie firmly held together, and, the iron being made gradually wider and concave or thicker from the corners of the tie, the hoops,

when properly closed over the same, prevent all possibility of its being disengaged in transportation or handling the bale, the whole being strong, neat, and useful; and, further, the tie, being made so that it can be opened at two points at the same time to receive the hoops, is quickly and easily adjusted, and a close compact fit can be made, even before the pressure from the bale is thrown on the hoops.

I therefore claim as my invention—

The double lever, cross-riveted in the center, opening from both ends to receive the hoops.

W. L. ROSE.

Witnesses:

W. G. PENNINGTON,  
BEVERLY ROSE.