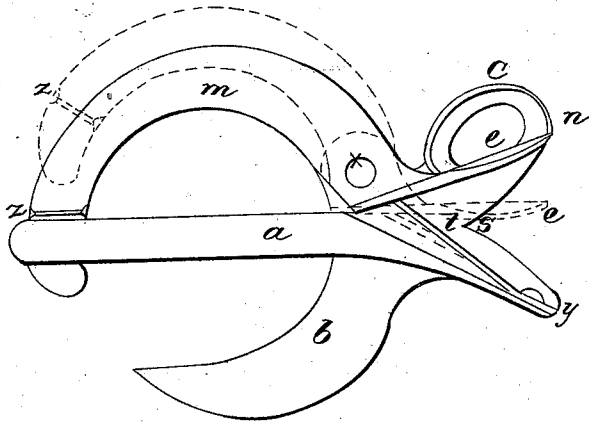


J. LOW.

Ox-Yoke.

No. 63,736.

Patented Apr. 9, 1867.



Witnesses

W. Stockbridge

A. A. Yeatman

Inventor

John Low

per

Alexander Mason
Att'y

United States Patent Office.

JOHN LOW, OF NEW BRITAIN, CONNECTICUT, ASSIGNOR TO HIMSELF AND WILLIAM NASH.

Letters Patent No. 63,736, dated April 9, 1867.

IMPROVEMENT IN OX-BOW PINS.

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, JOHN LOW, of New Britain, in the county of Hartford, and State of Connecticut, have invented certain new and useful improvements in "Ox-Bow Pins;" and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the annexed drawings, and letters of reference marked thereon, making a part of this specification.

My invention consists in the construction of a neat and substantial device for preventing the ox bow from falling after being passed through the yoke.

This device may be of cast iron, or other metal, and is composed of three pieces, the casting or body, *a b*, which consists of a curved bar pointed at its end with the pin *a*, and finger-shield *c*, and point *y*, to which the spring is attached; second, the pivoted segment *m* with finger-plate *e*; and third the spring *t*. The segment *m* and curved arm *b* form nearly a circle with the pin *a*, crossing the diameter thereof, while the rear end of the plate assumes somewhat the form of a pair of shears when slightly distended. It will be seen that the segment *m* is pivoted at *x*, the point upon the plate where its curve is broken, so that the finger-plate *e* lies (as shown) against the edges of the shield for the insertion of the finger or thumb between the two. The spring *t* being secured at *y*, the extreme point of the plate has its inner end just in the rear of the pivot *x*, so whenever the finger-plate is drawn towards the point *y*, depressing the spring, the arm or segment *m* is forced outwards (as seen in red lines) so that the pin *a* may pass into the opening in the bow. Upon the end of the segment *m* is formed a small shoulder, *z*, to secure it against the side of the pin. After the pin is passed through the bow the spring *t* expanding throws the segment back against the pin, encircling the top of the bow on the one side and clutching it with arm *b* on the other, so that the connection is neatly and securely formed. This pin can only be extracted from the bow by design, and by means of its finger-shield is prevented from being easily opened.

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

The construction of the plate *a b c* with arm *m* and spring *t*, in the manner and for the purposes herein specified.

As evidence that I claim the foregoing I have hereunto set my hand in the presence of two witnesses.

JOHN LOW.

Witnesses:

W. W. HOSFORD,
FRANCIS CHAMBERS.