O. D. HUNTER.

Ox-Yoke.

No. 63,796. Patented Apr. 16, 1867.

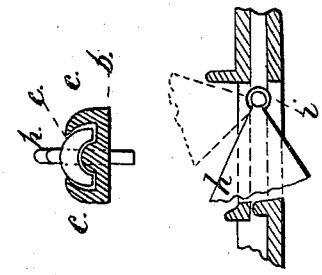


Fig. 2.

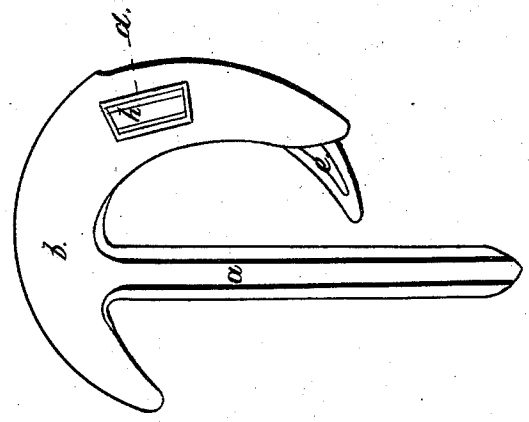
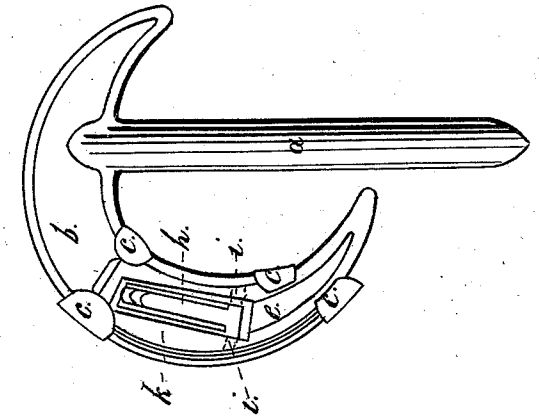


Fig. 1.



Witnesses:

R D H Allen

A M Johnson

Inventor:

O. D. Hunter

AM. PHOTO-LITHO. CO. N.Y. (OSBORNE'S PROCESS.)

United States Patent Office.

ORANGE D. HUNTER, OF TERRYSVILLE, CONNECTICUT.

Letters Patent No. 63,796, *dated April* 16, 1867.

IMPROVEMENT IN OX-BOW PIN.

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, ORANGE D. HUNTER, of Terrysville, county of Litchfield, and State of Connecticut, have invented certain new and useful Improvements in Ox-Bow Pin; and to enable others skilled in the art to make and use the same, I will proceed to describe, referring to the drawings, in which the same letters marked thereon indicate like parts in each of the figures.

It consists of a pin, provided with a plate made in the shape of a segment of a circle, having prongs formed on the edges thereof, in a perpendicular or right-angle position with the face of said plate. It also consists of circular slide-bolt, provided with an aperture and depressions each side of said opening and on the under side thereof, to receive the fulcrum-pin of a drop-latch which oscillates in said aperture, the lower corner of which drops into an orifice formed in the pin-plate at that point where the slide is slid out around the side of the bow, thereby locking the pin in the bow until said latch is lifted from said depression and the bolt again slid back to its resting place, when the pin is free to be withdrawn from the bow. This bolt, with the drop-latch, is secured upon the pin-plate by means of the prongs being bent up closely over the sides of said slide-bolts; thus forming the whole device or fastening-pin by the act alone of bending or setting the prongs up against or over the edges of the slide-bolt. In the accompanying drawings—

Figure 1 is a top view of this improvement.

Figure 2 is an under side view.

a is the pin which passes through the bow on the upper side of the yoke. *b* is a plate made in the form of a segment of a circle, and is connected to the pin *a*. This plate is provided with prongs, *c*, made at right angles with the plate *a*. The pin *a*, plate *b*, and prongs *c* are made in one and the same piece of metal. Said plate *b* is provided with an aperture, *d*, into which the lower corner of the drop-latch *h* falls when the bolt *c* is slid out around the side of the bow; thus fastening the pin within the bow until the said drop-latch *h* is lifted and the bolt slid back. The bolt *e* is provided with depressions, *i*, for the reception of the fulcrum-pins *i'* of the drop-latch *h;* also with an aperture, *k*, through which said drop-latch oscillates.

The fulcrum-pins *i'* are first placed in the depressions *e*, with the latch *h*, in the aperture *k* of the bolt *e*. Then the said bolt is placed upon the plate *b* between the prongs *c;* after which said prongs are bent or set up closely over the sides of the bolt *e*, so as to hold said bolt in place and allow it to work closely and freely therein. Thus I am enabled to produce a cheap, simple, and efficient bow pin.

I believe I have thus shown the nature, construction, and advantage of this improvment, so as to enable ohers skilled to make and use the same therefrom.

What I claim, therefore, and desire to secure by Letters Patent, is—

Securing the bolt *e* on the plate *b* by means of the prongs *c*, in combination with the drop-latch *h*, substantially as and for the purpose described.

O. D. HUNTER. [L. S.]

Witnesses:

R. D. H. ALLEN,

A. M. JOHNSON.