Ives Glover's Impt in Bow Pin

117618

fig. 1

PATENTED AUG 1 1871

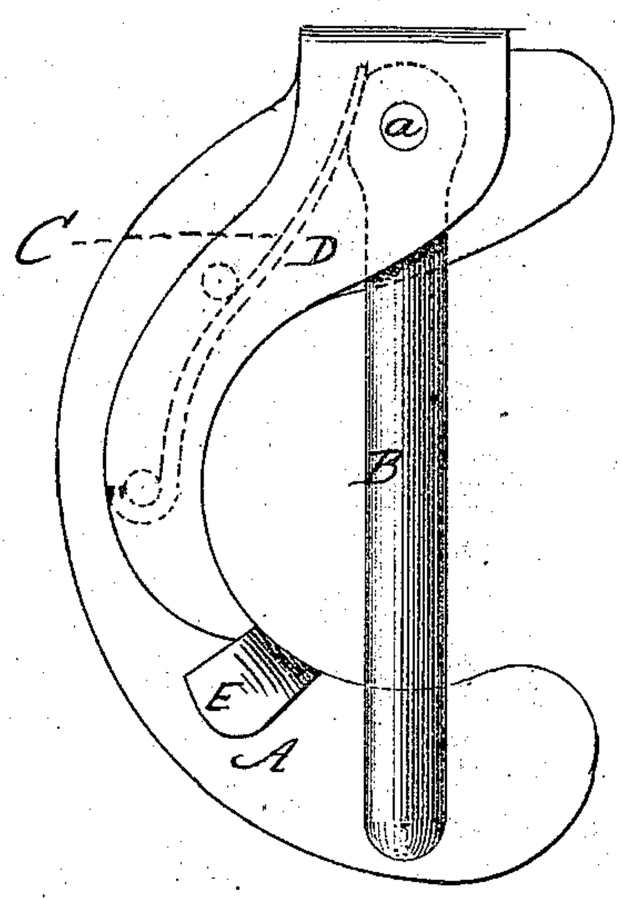


fig. 2.

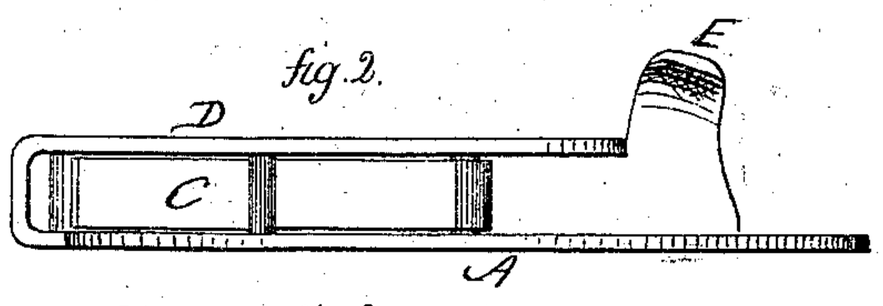
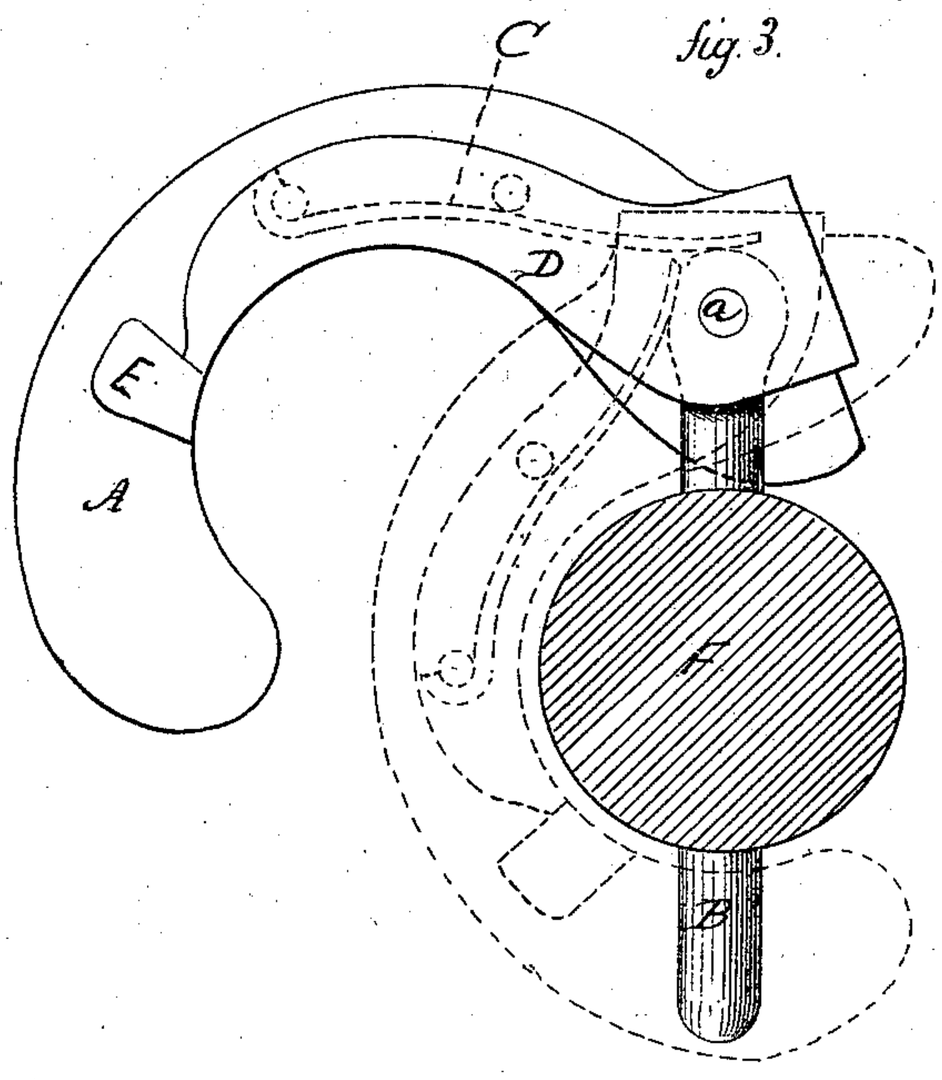


fig. 3.



Witnesses.
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UNITED STATES PATENT OFFICE.

IVES GLOVER, OF NEWTOWN, CONNECTICUT.

IMPROVEMENT IN OX-BOW PINS.

Specification forming part of Letters Patent No. 117,618, dated August 1, 1871.

To all whom it may concern:

Be it known that I, IVES GLOVER, of Newtown, in the county of Fairfield and State of Connecticut, have invented a new Improvement in Bow-Pins; and I do hereby declare the following, when taken in connection with the accompanying drawing and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawing constitutes part of this specification, and represents, in—

Figure 1 a top view, Fig. 2 a side view, and in Fig. 3 the operation of the pin.

This invention relates to an improvement in an article known to the trade as a "bow-pin"—that is to say, a device for securing the bow into ox-yokes; and it consists in a segmental plate or base on which is pivoted or hinged the pin, provided with a spring to retain the segment around the bow after the pin is inserted, and provided with a covering-plate which protects the pin.

A is a segment, its diameter equal to or a little larger than the bow. B, the pin, is a rod of metal, in length sufficient to extend from one arm of the segment to the other, and passing through the bow. The pin is pivoted to the segment at *a*, and provided with a spring, C, denoted in broken lines, Figs. 1 and 3, which is fixed to the segment and bears against a flattened side of the pin at the pivot when the segment is closed around the bow. Over the spring, and extending to the pivot, a plate, D, is fixed, which, while it aids in sustaining the spring and pivot, also serves to protect the spring. A thumb-piece, E, is arranged upon the segment at a convenient point for opening the segment from the pin.

To introduce the pin into the bow, open the segment as in Fig. 3, and pass the pin through the perforation in the bow F; then turn the segment around to close under the pin, which encircles the bow so far as to prevent the accidental withdrawal of the pin, and at the same time serve as a washer to prevent the pin from wearing the yoke. To remove the pin, the thumb of one hand is applied to the projection E, and the other hand applied to the pin to open the projection from around the bow and permit the removal of the pin and bow. These may be made right and left, if preferred.

I do not broadly claim the arrangement of a pivoted pin upon a segmental plate for a bow-pin, as such I am aware is not new.

I claim as my invention—

The segmental plate A having pivoted thereon the pin B, combined with the spring C, covering-plate D, and thumb-piece E, as and for the purpose specified.

IVES GLOVER.

Witnesses:

WM. N. NORTHROP,

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