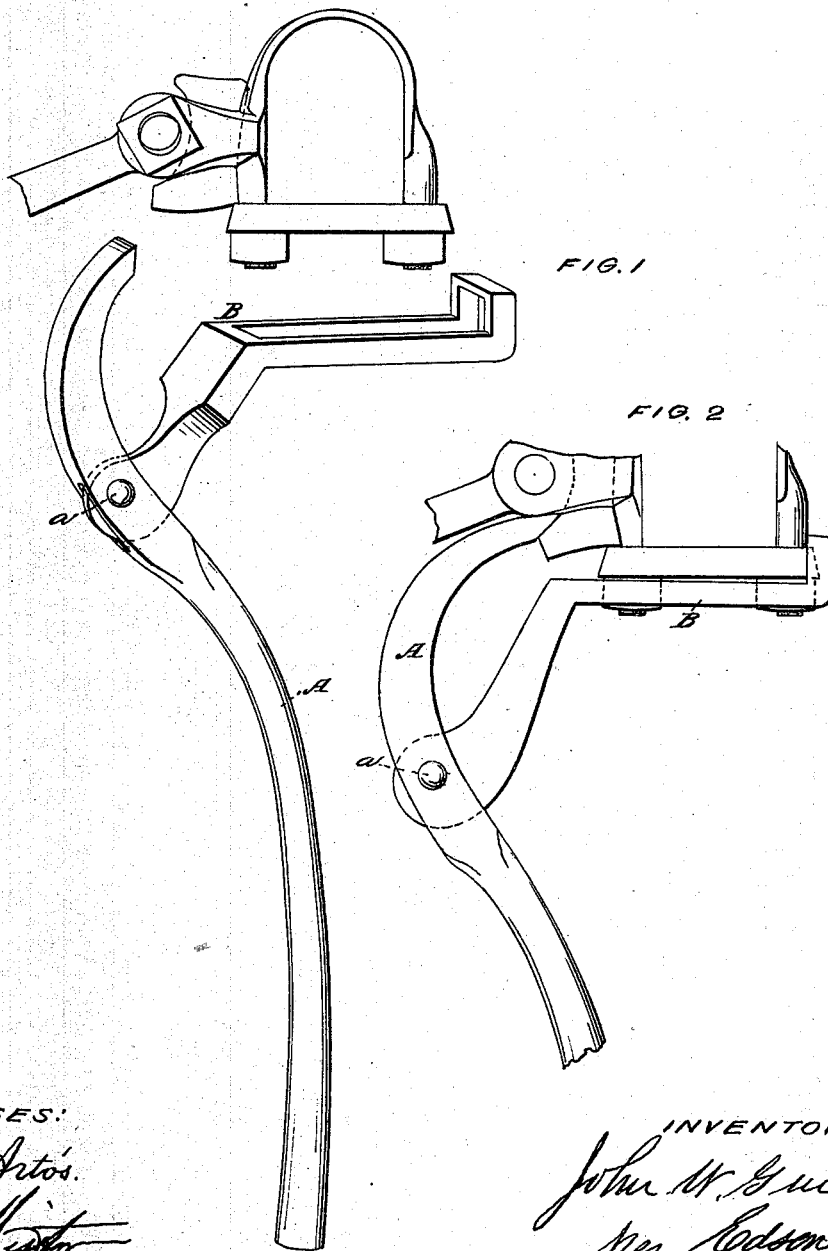


J. W. GUIDER.
Thill Coupling.

No. 112,448.

Patented March 7, 1871.



WITNESSES:

Chas. Artos.
J. W. Hester

INVENTOR:

John W. Guider
per Edison & Prot.
Attorneys

UNITED STATES PATENT OFFICE.

JOHN W. GUIDER, OF ST. JOSEPH, MISSOURI, ASSIGNOR TO HIMSELF AND
JOHN KIEFFER, OF SAME PLACE.

IMPROVEMENT IN CLAMPS FOR THILL-COUPPLINGS.

Specification forming part of Letters Patent No. **112,448**, dated March 7, 1871.

To all whom it may concern:

Be it known that I, JOHN W. GUIDER, of St. Joseph, in the county of Buchanan and State of Missouri, have invented a certain new and useful Improvement in Clamps; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawing, forming a part of the same, in which—

Figure 1 represents a perspective view of my clamp in the position ready to be applied to a thill-coupling, also shown in said figure, and Fig. 2 represents a side view of the same applied to the said thill-coupling.

This invention appertains to clamps; and consists of a curvilinear lever, with one end beveled to a point, in combination with a link or frame, to which it is pivoted, one portion of said link being constructed with an inclined or bent arm and one portion with a right-angular receptacle, as hereinafter shown and described.

Similar letters of reference in the several figures indicate corresponding parts of my invention.

To enable those skilled in the art to which my invention relates to make and use the same, I will proceed to describe its construction and operation.

In the annexed drawing, A represents a lever, curved as shown therein, and supplied with a slot or hole, within which enters edgewise the end of the inclined portion of the link B, to which said lever is pivoted by a pin, *a*. The upper curved end of the lever A is beveled to a point, as seen in Fig. 2, and the lower curved portion thereof is made round, so as to furnish a handle, by means of which it may be conveniently grasped and operated.

B designates a link or frame connected to the lever A, as above set forth, at the end of

its inclined portion, which gradually widens as it approaches the horizontal portion of said frame until it assumes the same width as that of the said horizontal part, which latter part is bent upward at its end at right angles, as shown in the two figures of the drawing, forming a hollow shoulder or receptacle, the object of which will be apparent from the drawing.

My clamp, in one of its uses, is for holding down one end of the rubber bar or elastic used in connection with thill-couplings of the kind shown in the drawing, for the purpose of allowing the eyebolt connecting the shaft to the thill to be readily and easily inserted in its place, as by clamping or holding down one end of the said rubber bar, as shown in Fig. 2, the said bar will be expanded lengthwise, and consequently contracted or made narrow, leaving room for the said bolt while going through the operation above stated, thereby obviating a difficulty heretofore experienced in the introduction of bolts in thill-couplings in which rubber or elastic is used.

The operation of my invention will be readily and fully understood by reference to the figures of the accompanying drawing.

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

The curvilinear pointed lever A, in combination with the pivoted link or frame B, constructed substantially as described and shown, as and for the purpose set forth.

In testimony that I claim the foregoing as my invention I hereunto set my hand in presence of two subscribing witnesses.

JOHN W. GUIDER.

Witnesses:

JOHN KIEFFER,
GEO. WAKERLEN.