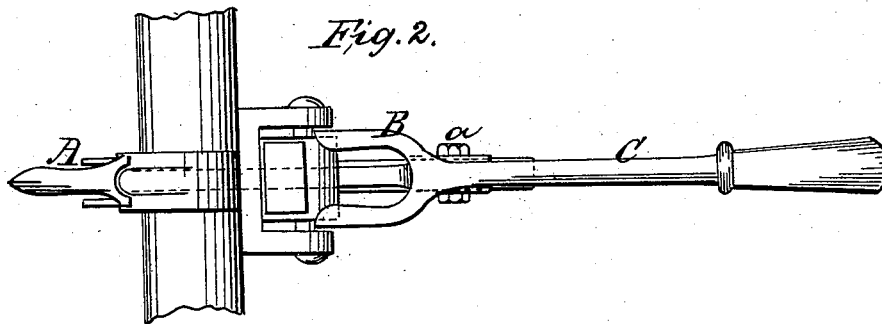
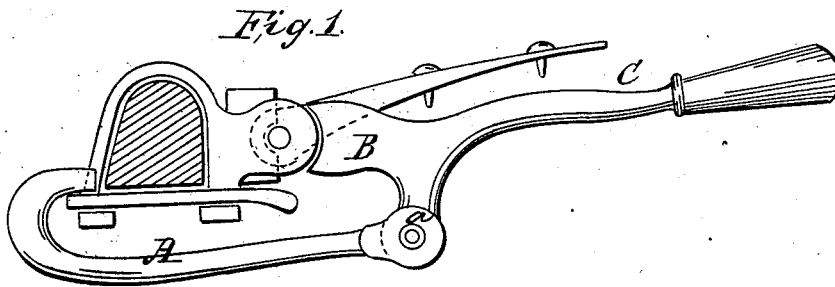


A. J. SETTLE.

Thill-Coupling.

No. 48,984.

Patented July. 25. 1865



Witnesses:
Pho Tusch
Wm. Treu

Inventor:
A. J. Settle
By Munn & Co
attys

UNITED STATES PATENT OFFICE.

A. J. SETTLE, OF SCHOHARIE COURT-HOUSE, NEW YORK.

IMPROVED JACK FOR SHAFT-COUPLING.

Specification forming part of Letters Patent No. 48,984, dated July 25, 1865.

To all whom it may concern:

Be it known that I, A. J. SETTLE, of Schoharie Court-House, Schoharie county, State of New York, have invented a new and Improved Jack for Shaft-Couplings; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 represents a side elevation of my jack, showing its application to a shaft-coupling. Fig. 2 is a plan or top view of the same.

Similar letters of reference indicate like parts.

This invention consists in a tool composed of two arms or jaws and a handle. One of the jaws is intended to catch the clip of a shaft-coupling behind the axle and the other jaw is to bear on the eye of the joint in such a manner, that by the combined action of said jaws the eye can be forced in between the jaws of the clip against the elasticity of the india-rubber, or other packing applied to prevent the rattling of the joint, and thereby the operation of introducing the eye-bolt is materially facilitated.

In the drawings the axle and the shaft-coupling are shown in red outlines.

The tool or jack which forms the subject-matter of my invention consists of two jaws, A B, which are hinged together by a pivot, *a*. The jaw A forms a hook, which is intended to catch over the clip behind the axle, and the jaw B terminates in a fork which straddles the strap to which the shaft is attached, and

which is intended to bear on the ends of the eye of the joint, as clearly shown in Fig. 2. The eye fits in between the jaws of the clip, and it bears against a piece of india-rubber, which is put in to prevent the rattling of the joint. This piece of rubber must, of course, be somewhat thicker than the space between the circumference of the eye and the body of the clip, and in order to bring the eye in such a position that the bolt can be introduced said rubber must be compressed with some force. This object is effected by the action of my jack. From the forked jaw B extends a handle, C, of sufficient length to give the requisite leverage, and after the jaws have been adjusted in the position above specified the handle is raised, and thereby the eye of the joint is forced in between the jaws of the clip against the action of the india-rubber, and it can be held in the proper position with one hand while with the other the bolt is introduced.

In practice my jack will be made of malleable iron, and it has to be made in various different sizes to fit to different joints. It can be made cheap and it facilitates materially the operation of connecting the two parts of the joint and of introducing the bolt.

I claim as new and desire to secure by Letters Patent—

A tool composed of two jaws, A B, formed and connected substantially as herein described, for the purpose set forth.

A. J. SETTLE.

Witnesses:

WILLIAM H. DAVIS,
JOSIAH KILMER.