

E. D. ROTH.
SPIKE-PULLER.

No. 172,781.

Patented Jan. 25, 1876.

Fig. 1

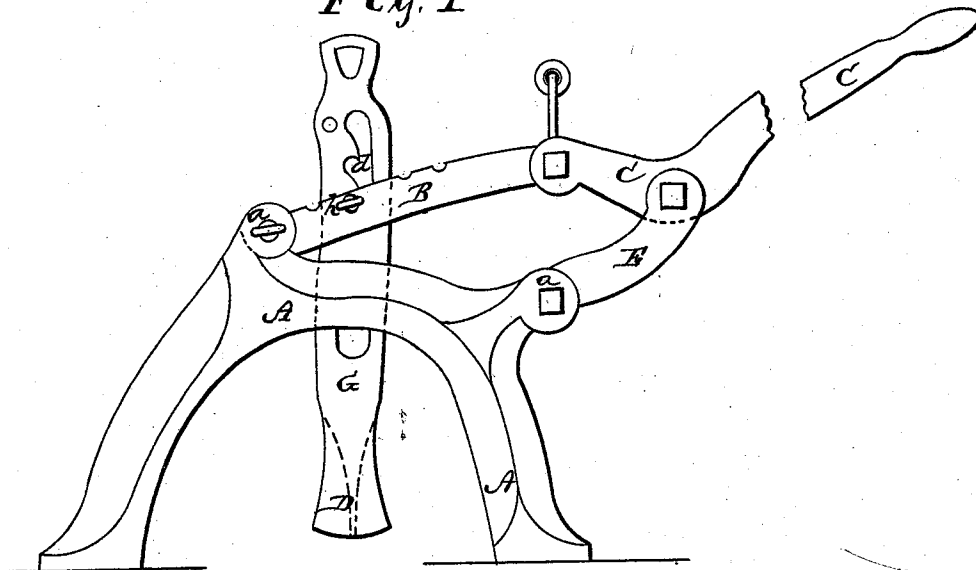
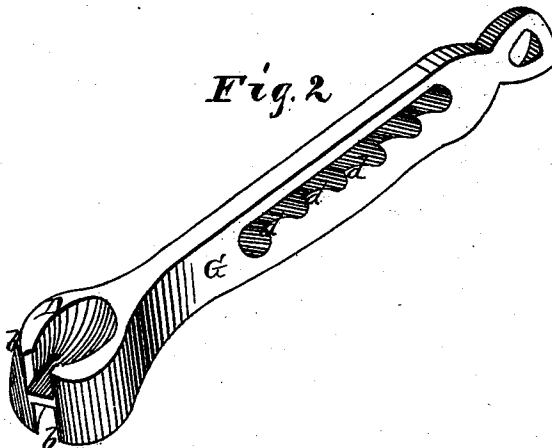


Fig. 2



WITNESSES

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ELIAS D. ROTH, OF FRANKFORT, INDIANA.

IMPROVEMENT IN SPIKE-PULLERS.

Specification forming part of Letters Patent No. **172,781**, dated January 25, 1876; application filed July 22, 1875.

To all whom it may concern:

Be it known that I, ELIAS D. ROTH, of Frankfort, in the county of Clinton and in the State of Indiana, have invented certain new and useful Improvements in Spike-Pullers; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in the construction and arrangement of a spike-puller, as will be hereinafter more fully set forth.

In the annexed drawing, Figure 1 is a side elevation of my machine. Fig. 2 is a perspective view of the pulling-bar.

A represents the frame or standard of my spike-puller made nearly in semicircular form, and formed with feet at its ends to rest on the ties or ground.

The center portion of the frame A is slotted longitudinally, and formed at each end of said slot with projecting ears *a a*.

Between two of these ears is pivoted a slotted arm, B, the other end of which is pivoted to the short arm of an L-shaped lever, C.

This lever is at its angle pivoted to a link, E, which at its other end is pivoted between the ears *a a* at the other end of the slot in the frame A.

In the slot of the arm B is suspended the

pulling-bar G, the lower end of which is formed with a head, D, constructed as shown in Fig. 2, with jaws *b b* arranged to be placed on either side under the head of the spike to be pulled.

The stem of the pulling-bar G is slotted longitudinally, and in one side of said slot are formed hooks or teeth *d d*, so that the bar may be adjusted up or down, as desired, and suspended on a pin, *h*, in the slotted arm B.

The head D is passed under the head of the spike, when by pressing down the lever C the bar is raised, pulling the spike with it.

This device may be used to pull spikes on either side of the rails while the operator remains between the rails.

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

The combination of the slotted semicircular frame A, slotted arm B, L-shaped lever C, link E, and the pulling-bar G constructed with the double head D and hooks *b*, all substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 30th day of June, 1875.

ELIAS D. ROTH.

Witnesses:

JOHN Q. BAYLESS,
JAMES W. MORRISON.