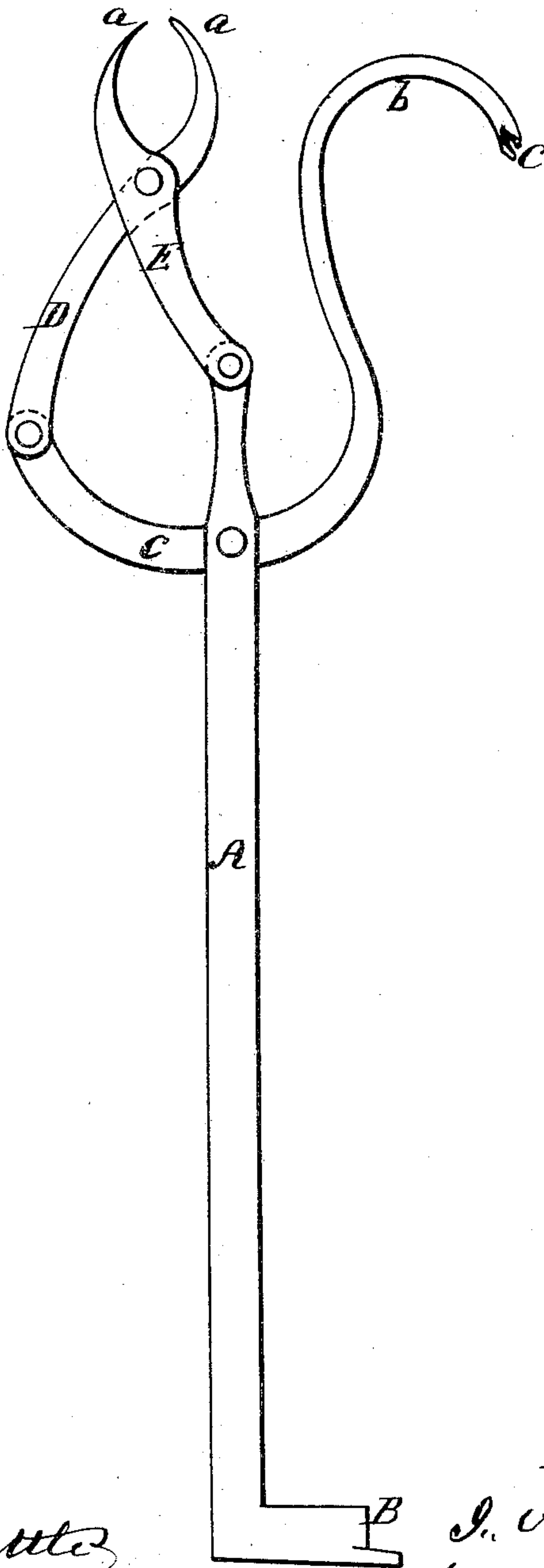


J. A. Pinnell,

Nail Extractors,

No. 78,479, Patented June 2, 1868.



Witnesses;

*W. C. Ashkett
Jm A. Morgan*

Inventor;

*J. A. Pinnell
per J. M. Pinnell
attorneys*

United States Patent Office.

ISAAC A. PINNELL, OF BOONVILLE, MISSOURI.

Letters Patent No. 78,479, dated June 2, 1868.

IMPROVEMENT IN NAIL-EXTRACTORS.

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, ISAAC A. PINNELL, of Boonville, in the county of Cooper, and State of Missouri, have invented a new and improved Nail and Spike-Drawer; 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.

The object of this invention is to draw nails or spikes in a convenient and easy manner, as will hereinafter be more fully set forth.

In the accompanying drawing a side view of the invention is shown, being composed of the lever-handle A, pivoted to the fulcrum-bar C and the claw-lever E.

The fulcrum-bar C is also pivoted to the other claw-lever, D, and both claw-levers are pivoted together, as shown, and are provided with claws *a a*, suitable for seizing and withdrawing nails or spikes. The fulcrum-bar terminates in a curved fulcrum, *b*, having a small claw, *c*, for withdrawing small nails.

The lever-handle is provided with a chisel, B, for the purpose of striking down the wood surrounding the nail or spike-head, when the same is embedded so deeply as to prevent the claws *a a* from obtaining a sufficient hold.

In using this invention, the claws are opened a suitable distance and plied upon the nail or spike. The fulcrum *b* will then be in contact with the surface of the wood in which the nail or spike is. The handle A is then pressed downward on the fulcrum side, which action will cause the claws to clamp firmly to the head of the nail or spike, and retain it while the same is being withdrawn.

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

The lever-handle A, fulcrum-bar C, having the curved fulcrum *b*, the claw-levers D and E, having the claws *a a*, all pivoted together, constructed to operate substantially as shown and described and for the purpose set forth.

ISAAC A. PINNELL.

Witnesses:

T. H. PINNELL,
DANIEL KLINE.