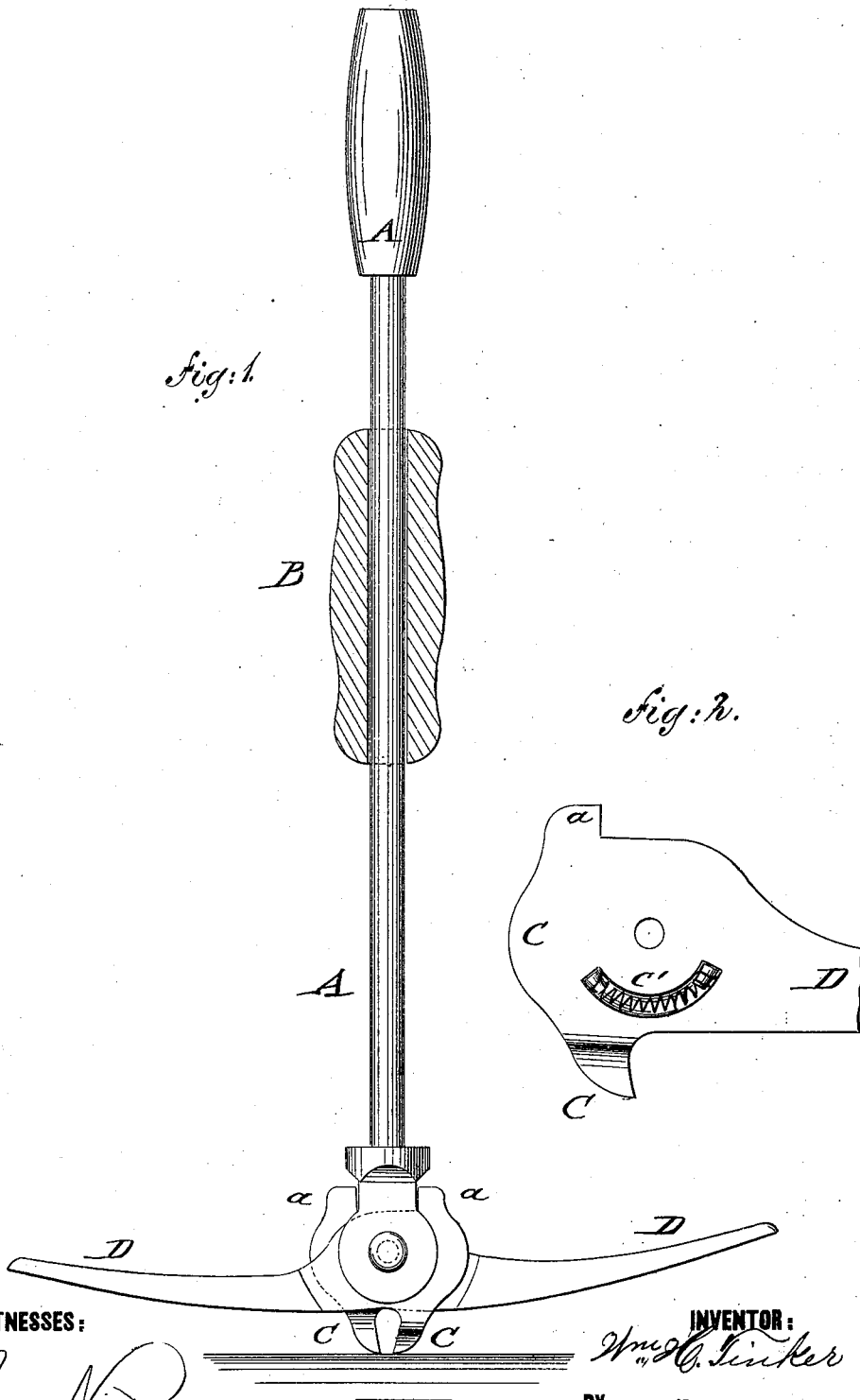


W. H. TINKER.
NAIL EXTRACTOR.

No. 181,374.

Patented Aug. 22, 1876.



WITNESSES:

Cras. Nida
John Goethals

INVENTOR:

Wm. H. Tinker

BY

Munn & Co.
ATTORNEYS.

UNITED STATES PATENT OFFICE

WILLIAM H. TINKER, OF SPRINGFIELD, MISSOURI.

IMPROVEMENT IN NAIL-EXTRACTORS.

Specification forming part of Letters Patent No. **181,374**, dated August 22, 1876; application filed April 18, 1876.

To all whom it may concern:

Be it known that I, WILLIAM H. TINKER, of Springfield, Greene county, Missouri, have invented an Improvement in Nail-Extractors, of which the following is a specification:

Figure 1 represents a side elevation of my improved nail-extractor, and Fig. 2 is a detail side view of one of the lower jaws.

Similar letters of reference indicate corresponding parts.

The invention relates to an improved nail-extractor, by which the nail is drawn with great facility without being bent; and it consists of a handle, with sliding weight and fulcrumed and spring-acted double-lever jaws.

In the drawing, A represents the handle or stock of my improved nail-extractor; B, the sliding-handle weight, by which the jaws C are driven in the ordinary manner into the wood below the nail, to be then applied to the same by the double foot or leverage of the jaws. The jaws are fulcrumed to the lower part of the handle, and provided with symmetrically extending levers D that are opened by spiral springs C' set into slots of the jaws to be carried against the handle as soon as the pressure on the lever is released. The

jaws C have shoulders or stops *a* in the upper part that come in contact with the handle or stock A, and define the position of the levers. The double leverage admits the pulling of the nail in two different directions without removing the instrument. This allows the withdrawing of nails from hard or soft wood in an easier manner without bending the nail, as the same may be first loosened and afterward extracted.

I desire to disclaim, as any part of my invention, a spring-held lever, having a curved end to form the movable jaw of a nail-extractor, and combined with a rod curved at one end to form the stationary jaw.

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

In nail-extractors the jaws C, fulcrumed to lower part of the handle, provided with spring-levers D, and having the stops *a*, all constructed and arranged substantially as and for the purpose specified.

WILLIAM HENRY TINKER.

Witnesses:

DELOSS M. WOODBURY,
DAVID C. HENSHEY.