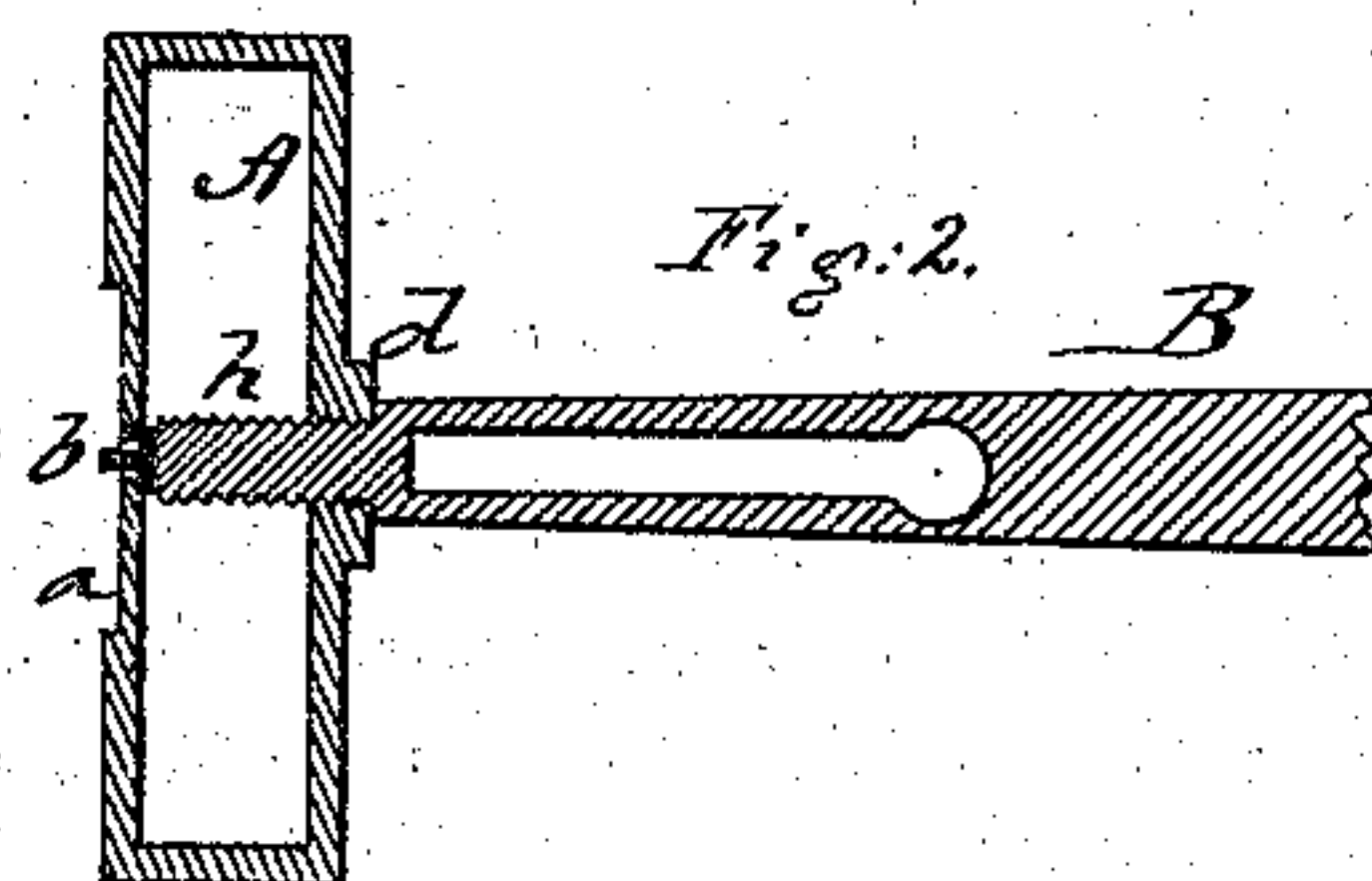
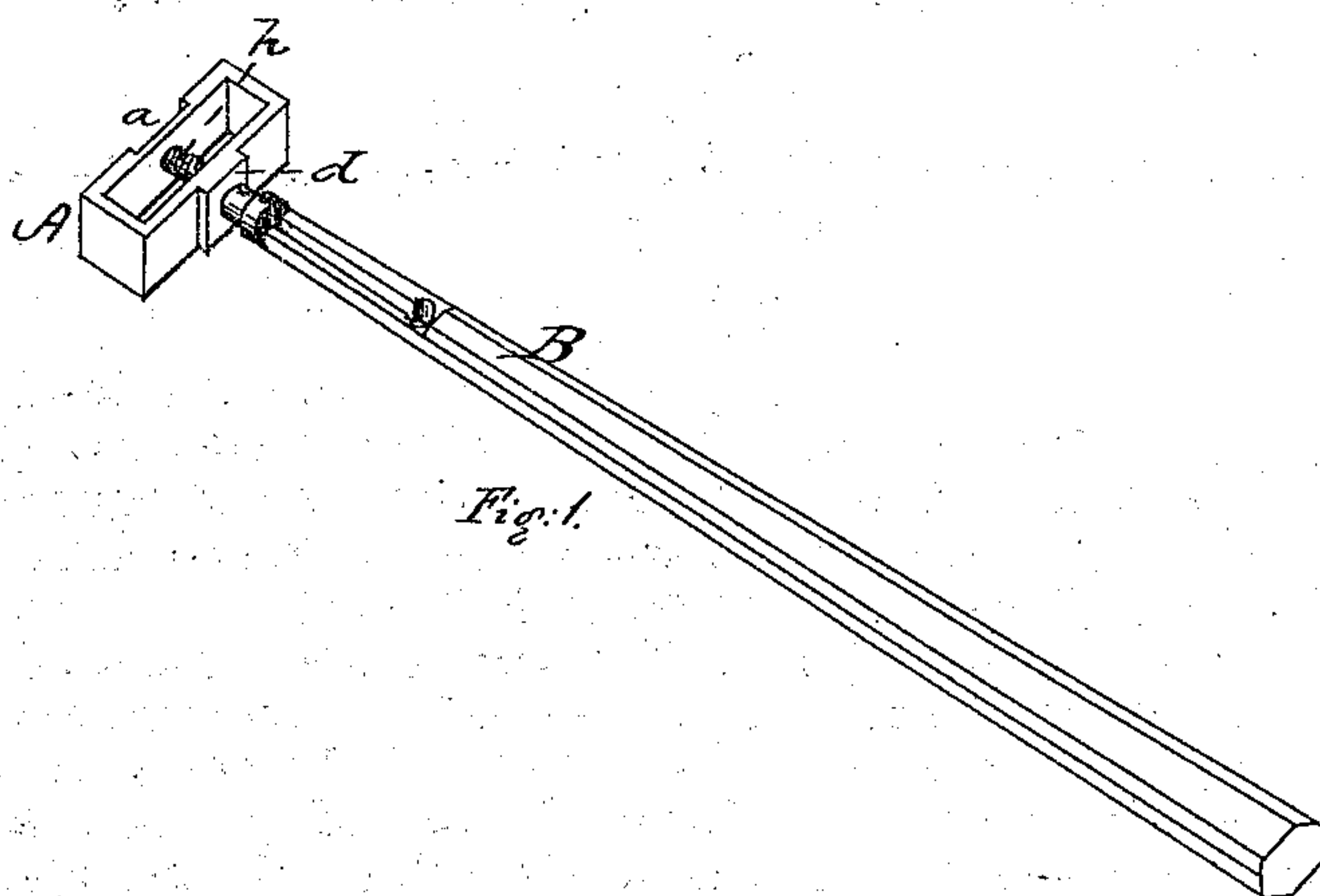


J. C. LINK.
Watchmakers' Tools.

No. 154,403.

Patented Aug. 25, 1874.



WITNESSES

G. A. C. Smith
John McKing

INVENTOR,

John C. Link
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UNITED STATES PATENT OFFICE.

JOHN C. LINK, OF NECEDAH, WISCONSIN.

IMPROVEMENT IN WATCHMAKERS' TOOLS.

Specification forming part of Letters Patent No. **154,403**, dated August 25, 1874; application filed July 22, 1874.

To all whom it may concern:

Be it known that I, JOHN C. LINK, of Necedah, in the county of Juneau and State of Wisconsin, have invented certain new and useful Improvements in Watchmakers' Tools; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon.

The nature of my invention consists in the construction and arrangement of a vise for holding second-hands while being fitted to the watch, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, which forms a part of this specification, and in which—

Figure 1 is a perspective view of my vise, and Fig. 2 is an enlarged longitudinal section of the same.

A represents a rectangular metal frame, of any suitable dimensions, in the under side of which is made a recess, *a*, as shown, and in the center of this recess is a hole large enough to allow the barrel of the second-hand *b* to

pass through from the inside. Directly opposite this hole, in the upper part of the frame, is formed a nut, *d*, through which is screwed a screw-tenon, *h*, formed upon the end of the stem or handle B.

The second-hand is placed in the frame A, with its barrel protruding through the hole in the center of the recess *a*, and the handle screwed down till the tenon *h* comes upon the same and holds it firmly, when it is ready for the broach and file, and can easily be fitted to the watch.

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

The combination of the frame A, provided with nut *d* and recess *a*, with central orifice, and the stem or handle B, having screw-tenon *h*, substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 16th day of July, 1874.

JOHN C. LINK.

In presence of—
WM. S. LAKE,
THERON PECK.