

A. O. H. P. SEHORN.

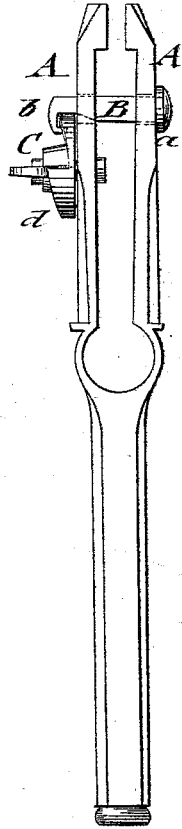
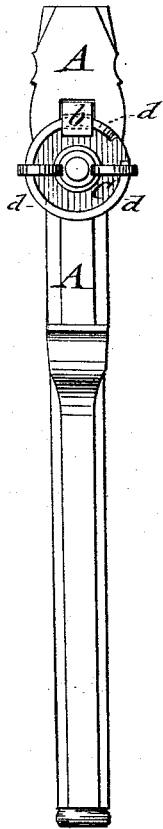
VICE.

No. 169,486.

Patented Nov. 2, 1875.

Fig: 1.

Fig: 2.



WITNESSES:

Craz Nida
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INVENTOR:

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UNITED STATES PATENT OFFICE.

ALEXANDER O. H. P. SEHORN, OF MURFREESBOROUGH, TENNESSEE.

IMPROVEMENT IN VISES.

Specification forming part of Letters Patent No. **169,486**, dated November 2, 1875; application filed September 25, 1875.

To all whom it may concern:

Be it known that I, ALEXANDER O. H. P. SEHORN, of Murfreesborough, Rutherford county, Tennessee, have invented a new and Improved Vise, of which the following is a specification:

Figure 1 represents an end view, and Fig. 2 a side view, of my improved vise.

Similar letters of reference indicate corresponding parts.

The object of my invention is to furnish an improved vise, of simple and durable construction, without the use of screw-threads, which are soon worn out; and the invention consists of spring-jaws with a cross-bar hooking over a cam-shaped flange of a set-screw, by which the jaws are instantly and rigidly adjusted.

In the drawing, A represents the spring-jaws of my improved vise, which branch out from a strong stock or handle. A square cross-bar, B, connects the jaws by passing through guide-perforations of the same. The larger or headed end of the cross-bar bears, by a washer, *a*, on one jaw A, while the other recessed and hook-shaped end *b* projects over the inclined circumferential flange or cam, *d*,

of a thumb-nut, C, and acts thereby on the other jaw A. The thumb-nut C is applied to the jaw by a central screw-pin, and the nut turns for adjusting the jaws.

The jaws A are entirely open when the cross-bar is at the lowest part of the cam, and close gradually on the objects to be clamped by turning the thumb nut, so that the rise of the cam acts on the cross-bar and the jaws.

The adjustment and release of the jaws are accomplished in an instant, and the vise, by its substantial and durable construction, is less liable to wear and injury.

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

A vise made of spring-jaws A, adjusted by cross-bar connecting with hooked bearing on an inclined circumferential flange or cam of a thumb-nut applied to one of the jaws, constructed and operating substantially as specified.

ALEXANDER O. H. P. SEHORN.

Witnesses:

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