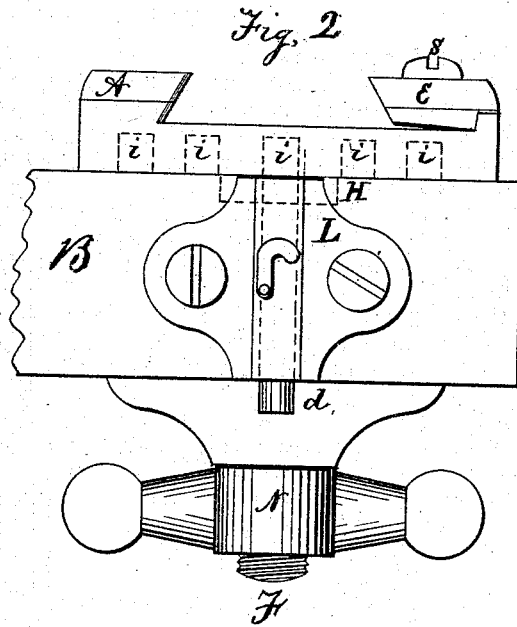
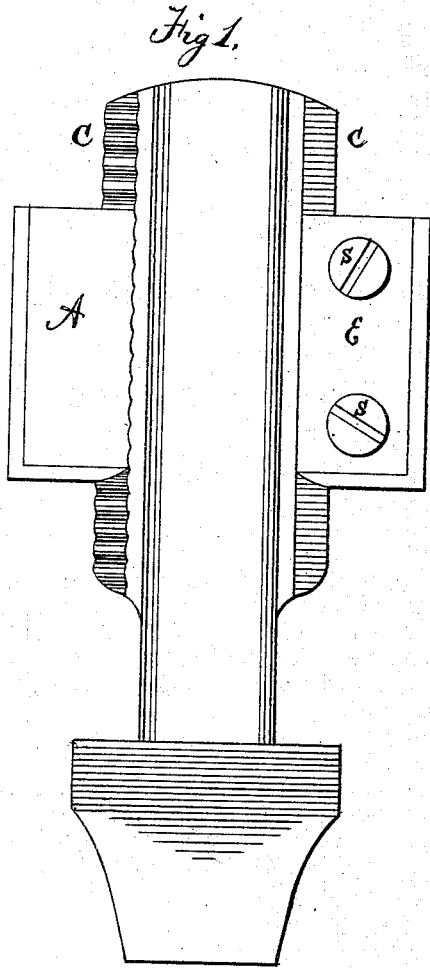


G. E. CHAMBERLIN.

VICES.

No. 182,412.

Patented Sept. 19, 1876.



WITNESSES:

*B. F. Parodie*  
*J. T. Downing.*

INVENTOR:

*George E. Chamberlin*

# UNITED STATES PATENT OFFICE.

GEORGE E. CHAMBERLIN, OF PROVIDENCE, RHODE ISLAND, ASSIGNOR OF  
ONE-HALF HIS RIGHT TO BENJAMIN F. PABODIE, OF SAME PLACE.

## IMPROVEMENT IN VISES.

Specification forming part of Letters Patent No. 182,412, dated September 19, 1876; application filed  
May 10, 1875.

*To all whom it may concern:*

Be it known that I, GEO. E. CHAMBERLIN, of Providence, Rhode Island, have invented certain Improvements in Vises and the method of attaching them to a bench, of which the following is a specification:

My invention relates to the combination, in a vise, of a perforated plate and beam, engaging by a corrugated dovetail-joint with fastenings.

Figure 1 is a plan of a vise-beam and bench-plate embodying my invention. Fig. 2 is a front view of a bench, bench-plate, lock, and bolt.

A is the improved bench-plate, of which the hub H is fitted into the bench as a pivot for the vise to swivel around. The plate and vise are secured to the bench by bolt F and nut N. The lock L is partially inserted in the front edge of the bench B, Fig. 2, with the bolt *d*, to engage or enter any one of the holes *i i* in the bottom of bench-plate, equidistant

from the center of hub H, to set the vise at the desired angle. The base of the vise-beam C C, Fig. 1, having one side corrugated or notched to interlock with corresponding corrugations in the bench-plate, is held rigidly in place by screwing down the angular cap *e* with screws S S.

It will readily be seen that by loosening the screws S S the vise can be adjusted horizontally without loosening the bench-plate A. Also, that the vise can be swiveled and locked in any desired position without disengaging it from the bench-plate.

I claim as my invention—

In a vise, the combination of the perforated plate A and a beam, C, the two engaging, by a corrugated dovetail-joint, screws S S and cap *e*, as hereinbefore set forth.

GEORGE E. CHAMBERLIN.

Witnesses:

B. F. PABODIE,  
J. T. DOWNING.