

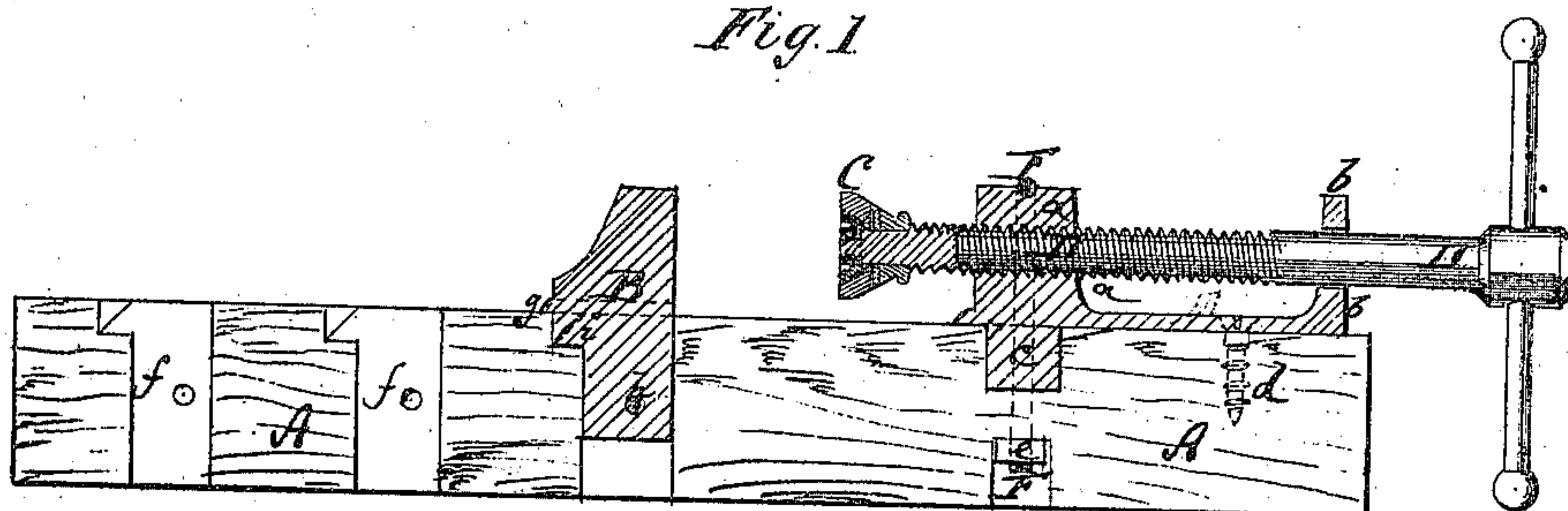
*O. L. Fenner,*

*Bench Clamp.*

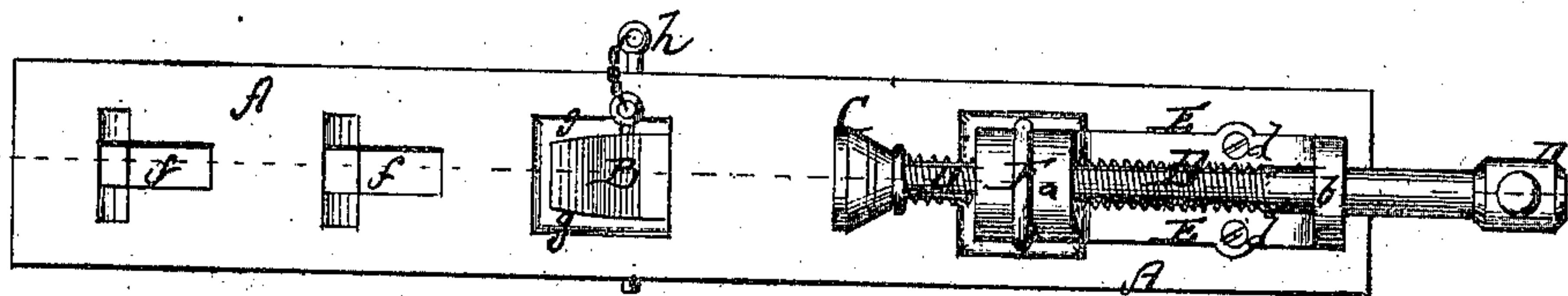
*No. 97,376.*

*Patented Nov. 30. 1869.*

*Fig. 1*



*Fig. 2.*



**Witnesses:**

*Wm. D. Brooks*  
*Frank J. Klemm*

**Inventor:**

*O. L. Fenner*  
PER *Wm. D. Brooks*  
**Attorneys.**

# United States Patent Office.

O. L. FENNER, OF ROCHESTER, NEW YORK.

Letters Patent No. 97,376, dated November 30, 1869.

## IMPROVEMENT IN BENCH-CLAMP.

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, O. L. FENNER, of Rochester, in the county of Monroe, and State of New York, have invented a new and improved Adjustable Bench-Clamp; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

Figure 1 represents a side view, partly in section, of my improved bench-clamp.

Figure 2 is a plan or top view of the same.

Similar letters of reference indicate corresponding parts.

This invention relates to a new adjustable bench-clamp, to be used for carpenters and other mechanics; and

The invention consists in the general arrangement and combination of a screw-support and adjustably-fixed jaw, as hereinafter more fully described.

A, in the drawing, represents a portion of the bench or plate to which the clamp is to be secured.

The clamp consists of one stationary jaw B, which is fixed to the bench, and of a movable jaw, C, swivelled to the end of a horizontal screw, D. This screw is supported in two ears *a b*, that project from a plate, E, one of said ears having a female-screw thread provided in it, for producing the longitudinal motion of the screw as the same is turned.

The plate E has a downward-projecting block, *c*, fitted into the bench, to prevent any horizontal displacement. It is fastened to the bench by screws *d d*, and

is furthermore held down by a strap, F, which is fitted around the ear *a*, and with the ends through the bench-nuts *e*, being arranged on its said ends as shown.

The stationary jaw has a shoulder, *g*, which rests upon the bench, while its lower part is fitted into one of a number of mortises provided in the bench.

A pin, *h*, is fitted laterally through the bench and through the said lower part of the jaw B. Upon removing such pin, the jaw may be taken out and put into another mortise, to adapt the apparatus to holding larger or smaller articles.

From the back of the jaw B projects, into the bench, a brace, *i*, with inclined outer face, as indicated by dotted lines in fig. 1.

The mortise in the bench is, therefore, T-shaped, the transverse portion being not as deep as the main longitudinal part.

The brace *i* will hold the jaw B, and will prevent it from tipping.

Having thus described my invention,

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

An improved screw-stock, for the movable jaw of a clamp, with a base, E E, ears *a b*, and removable fastening-yoke F, the said parts being constructed, combined, and adjusted to the bench, in the manner described.

O. L. FENNER.

Witnesses:

DANIEL WOOD,  
LEWIS MARGROUDER.