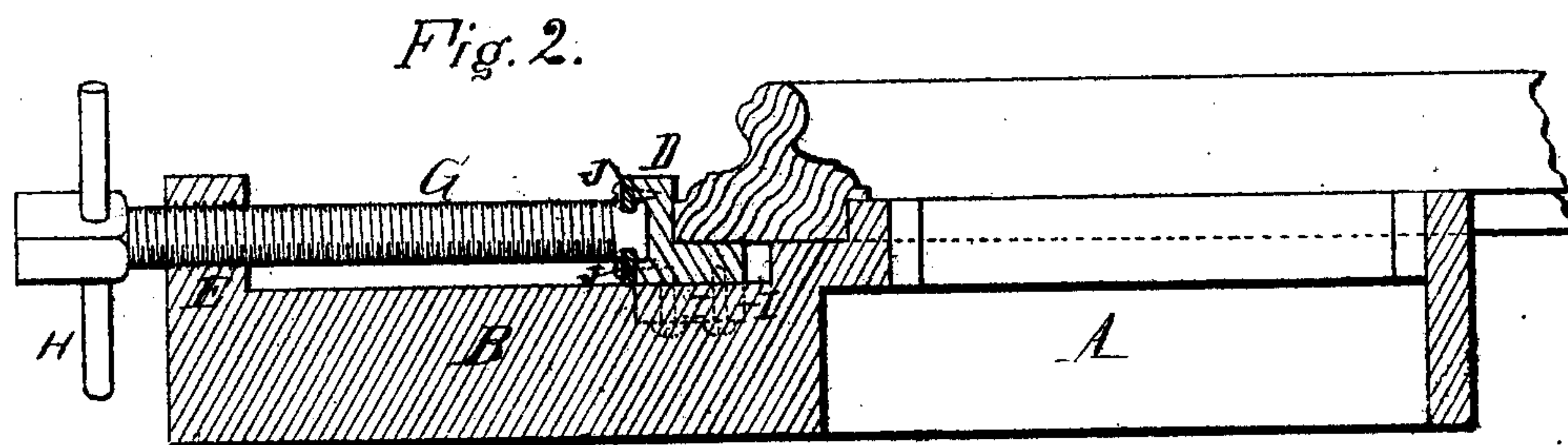
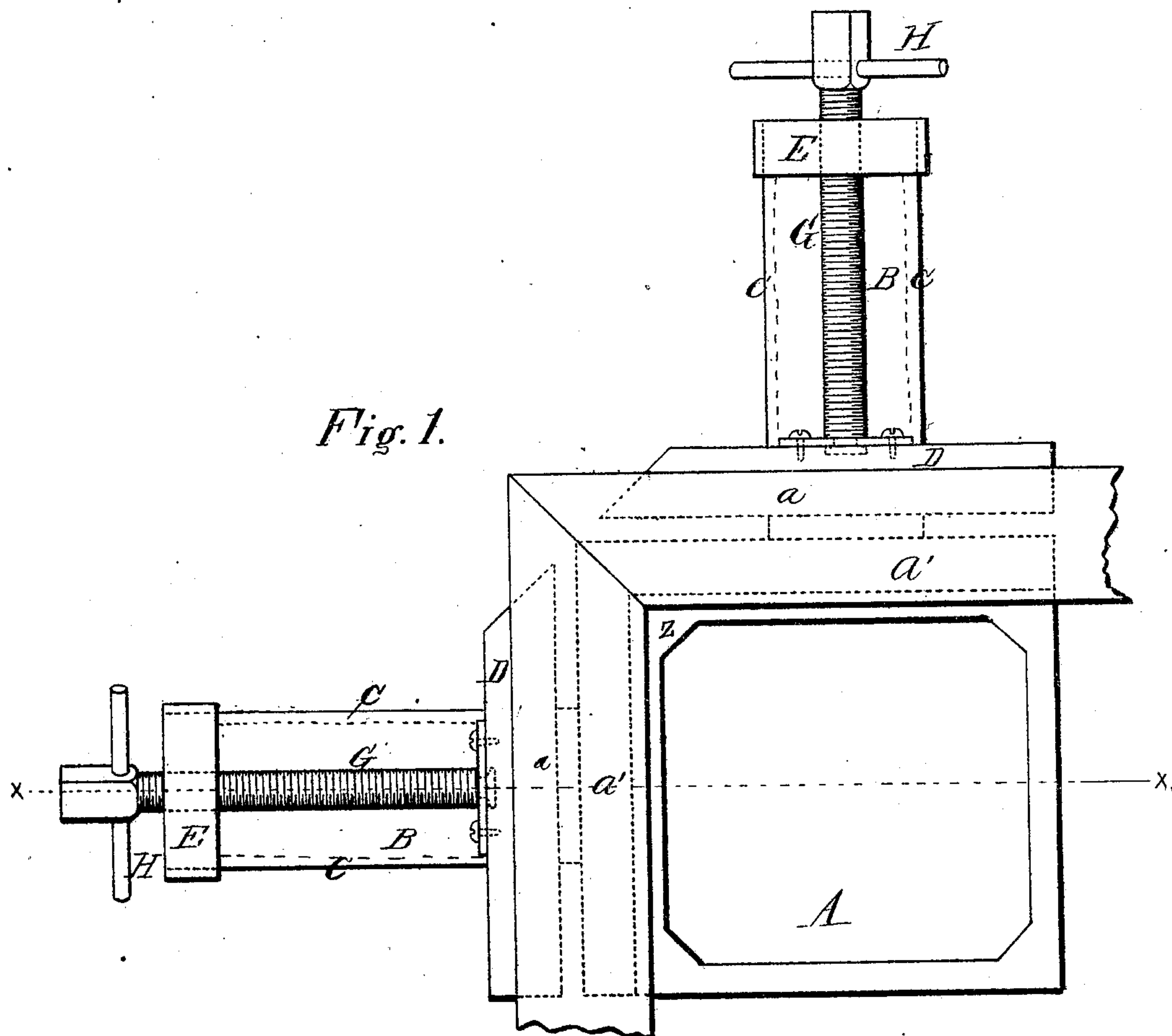


T. O. CORNISH.

Improvement in Clamps.

No. 121,851.

Patented Dec. 12, 1871.



Witnesses.

Villette Anderson
F. B. Curtis,

Inventor.

T. O. Cornish,
Clifton & Son, & Co.,
Attys

UNITED STATES PATENT OFFICE.

THEODORE O. CORNISH, OF WOONSOCKET, RHODE ISLAND.

IMPROVEMENT IN CLAMPS.

Specification forming part of Letters Patent No. 121,851, dated December 12, 1871.

To all whom it may concern:

Be it known that I, THEODORE O. CORNISH, M. D., of Woonsocket, in the county of Providence and State of Rhode Island, have invented a new and valuable Improvement in Clamps; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a top view of my invention. Fig. 2 is a central vertical section through the line *x x*.

This invention has relation to clamping devices; and the novelty consists in the construction and arrangement of the essential parts of a useful contrivance for clamping the pieces or sections of picture-frames, or other miter-jointed articles, so that the joints may be made even and secure.

In the accompanying drawing, A designates a heavy frame, made of iron or other suitable material, and provided with a flanch, Z, square in form. B B represent two arms projecting from two sides of the frame A. They are constructed with laterally-projecting beveled flanges C, to hold and guide the clamping-jaws D, and with a bracket, each marked E, having a threaded aperture for the passage of the clamping-screws G. The latter are journaled to the clamping-jaws, and operated, by means of levers or vise-arms H, to move the jaws forward and backward. The face of each jaw and the nearest side of the frame A are correspondingly shouldered at *a a'*, in order to produce a channel or seat for the purpose of holding the mitered pieces to be clamped. The

jaws slide over the upper surfaces of the arms B B, and have secured to their under sides the beveled plates I, fitting the beveled flanges C. The arms B B are properly cast with the screw-brackets E; hence the plates I must be constructed separately from the jaws and fitted afterward to the flanges; otherwise they could not be arranged before the brackets. The clamping-screws may be journaled to the backs of the clamping-jaws by means of plates J, one on either side of each screw, the latter having a groove surrounding its end, as shown in Fig. 2.

The articles to be clamped are first beveled or mitered evenly by the miter-saw and then placed in the clamp, where they may be held tightly while they are being nailed together.

This clamping device is also of utility in clamping glued joints. It may be employed for frames of any size, clamping but one joint at a time.

The ends of the jaws nearest together, it will be observed, are shortened so as to allow the pieces to be clamped space to project beyond the angle of the frame A.

I claim as my invention—

The frame A, provided with rectangular flanches Z and arms B B, in combination with the movable jaws D and clamping-screws G, when constructed and operated in the manner and for the purpose described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

THEODORE O. CORNISH, M. D.

Witnesses:

DANIEL M. EDWARDS,
FRANCIS L. O'REILLY.

(29)