

C. WRIGHT.

Tool Rest.

No. 34,659.

Patented March 11, 1862.

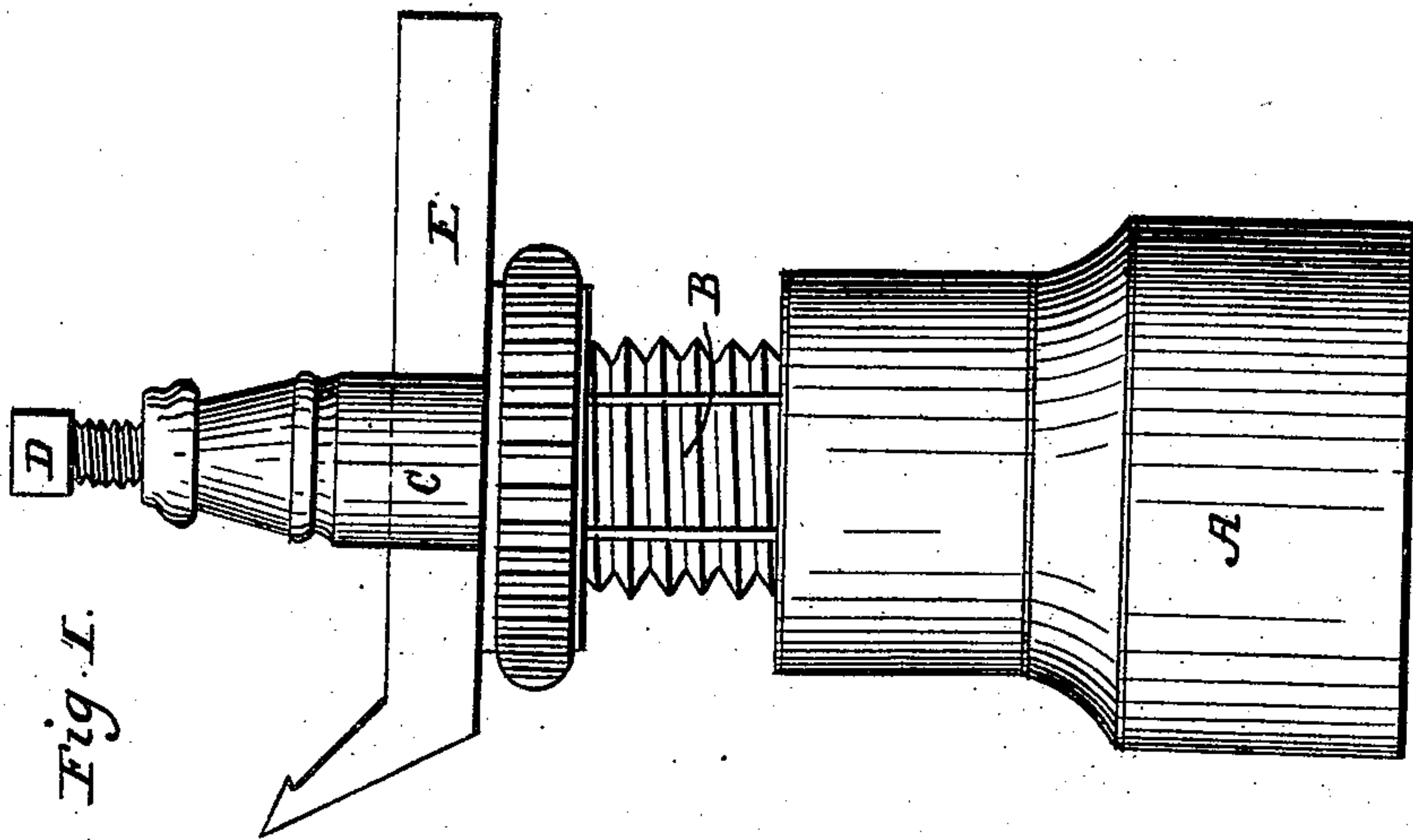


Fig. 1.

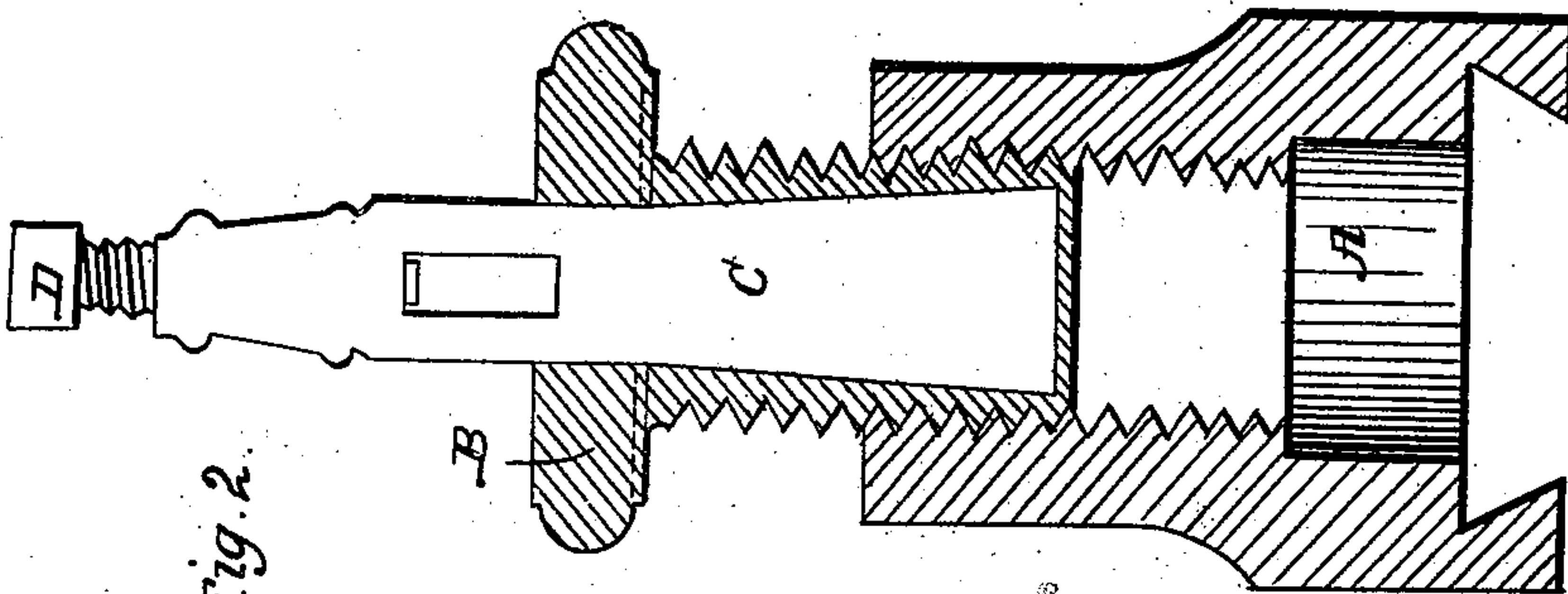


Fig. 2.

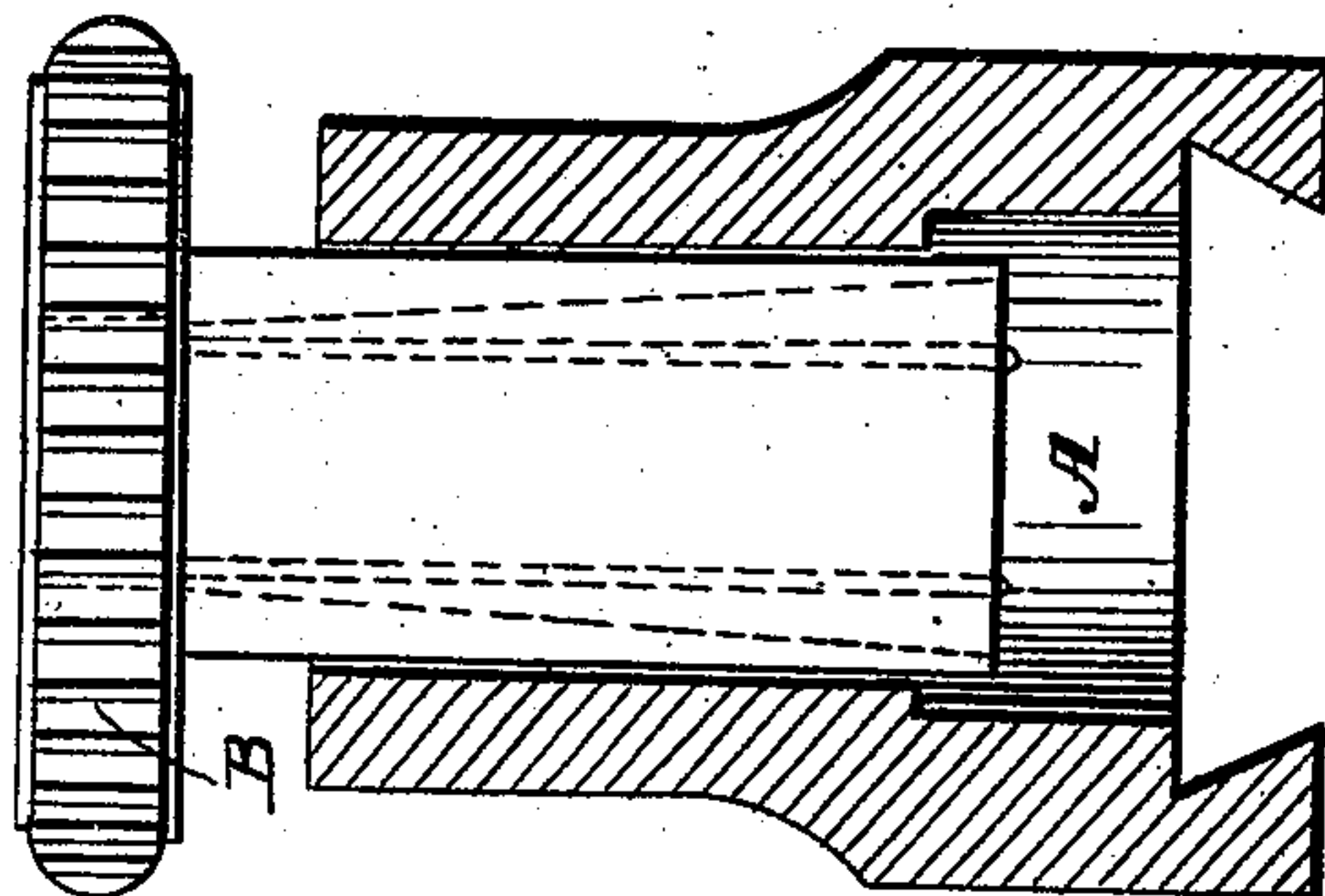


Fig. 3.

Witnesses:
Lysander Wright
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Inventor:
Charles Wright

UNITED STATES PATENT OFFICE.

CHARLES WRIGHT, OF NEWARK, NEW JERSEY.

IMPROVEMENT IN TOOL POSTS OR HOLDERS.

Specification forming part of Letters Patent No. 34,659, dated March 11, 1862.

To all whom it may concern:

Be it known that I, CHARLES WRIGHT, of the city of Newark, in the county of Essex and State of New Jersey, have invented an Improved Tool Post or Holder; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawings, in which—

Figure 1 is a side elevation, and Fig. 2 a sectional view.

A is the hollow base or stand of the tool-post and has a thread cut upon the inside to receive the thimble B, which supports the tool E. This thimble has a tapering hole through it, and the screw portion is divided lengthwise by slits into four parts, permitting expansion of that portion.

C is the tool-holder proper, and has the lower portion tapered to correspond with the taper in the thimble B, forming a wedge, so that when drawn upward by the action of the set-screw D upon the tool E, or by any other mode or appliances, the tendency is to force outward the slitted portion of the thim-

ble B, binding it firmly against the sides of the hole in base A. When the pressure is relieved by loosening set-screw D, the tool-holder can be revolved at pleasure, the tool removed, or the whole raised and lowered by turning the thimble B. Fig. 3 represents the same thing, dispensing with the screw on the thimble, which can be used, if preferred.

The advantages gained in this invention are that the tool can be raised and lowered with ease to the exact point desired, and retain its same angle of cutting-edge for large or small diameters, and when fastened by set-screw D is firm and positive throughout, permitting no vibration or giving at any point.

What I claim, and desire to secure, is—

A tool post or holder constructed in the manner and for the purpose as hereinabove specified.

CHARLES WRIGHT.

Witnesses:

LYSANDER WRIGHT,
GEO. H. SMITH.