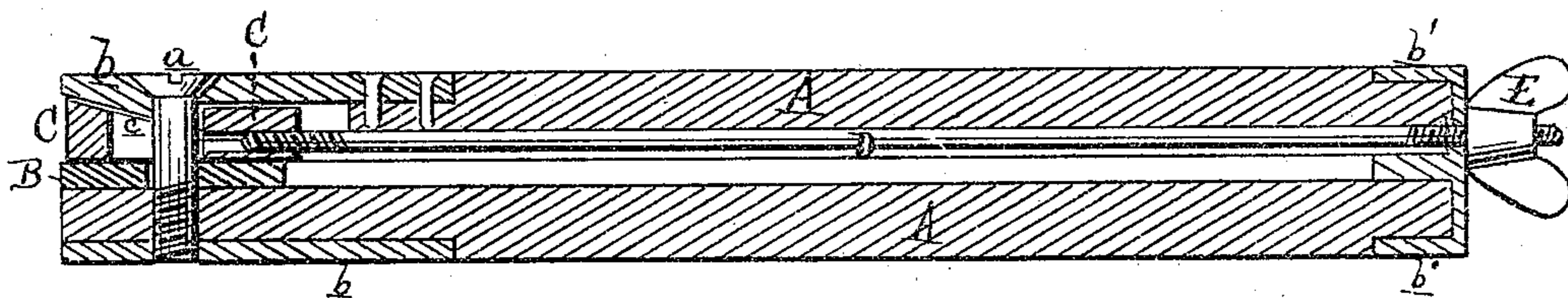
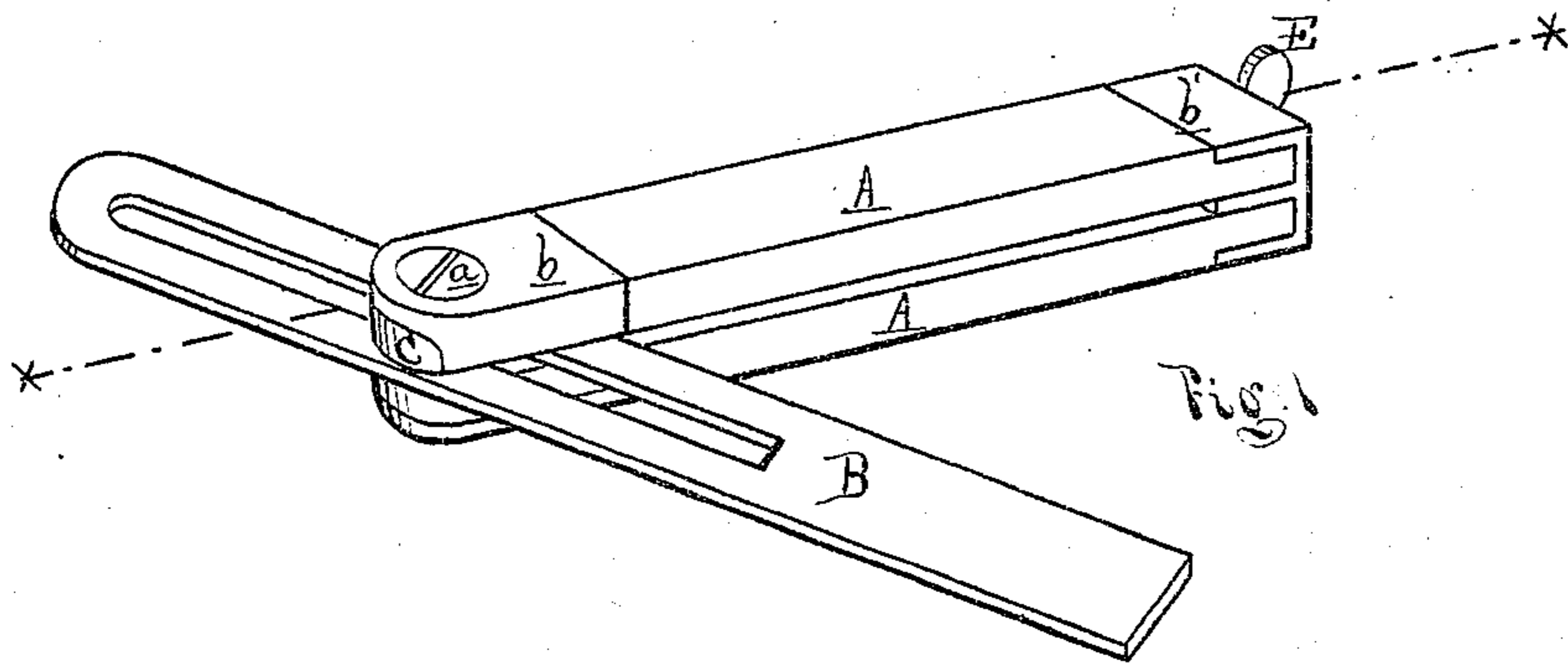


G. C. MILLER.
Try-Squares and Bevels.

No. 148,316.

Patented March 10, 1874.



ATTEST.
A. F. Dumb
Chas. E. Huestis

INVENTOR.
Geo. Miller
per Attorney
Thos. J. Sprague

UNITED STATES PATENT OFFICE.

GEORGE C. MILLER, OF DETROIT, MICHIGAN.

IMPROVEMENT IN TRY-SQUARES AND BEVELS.

Specification forming part of Letters Patent No. **148,316**, dated March 10, 1874; application filed September 15, 1873.

To all whom it may concern:

Be it known that I, GEORGE C. MILLER, of Detroit, in the county of Wayne and State of Michigan, have invented an Improvement in Carpenters' Bevels, of which the following is a specification:

This invention has for its object to so construct a bevel that its blade will be firmly held in whatever position it may be adjusted, and which will have flush sides to its handle, free from projecting screws or other fastening devices.

The invention consists in a wedge inserted in the head of the handle, between its side and the blade, and attached to a tail-screw extending through the butt of the handle, where it receives a nut to draw it outward, drawing in the wedge, which thus compresses the blade.

Figure 1 is a perspective view. Fig. 2 is a longitudinal section at *x x*.

In the drawing, A represents the handle, and B the blade of a bevel, the handle being slotted, or in two parts, to receive the blade. *a* is a countersunk screw, inserted through the head ends of the handle, to prevent them from being spread apart. It also passes through the slot of the blade, and prevents the detach-

ment of the latter. *b b'* are the metallic ferrules at the head end of the handle. In the inner face of the former is an inclined channel, *c*, Fig. 2, in which is inserted a half-wedge-shaped block or key, C, between the ferrule and the blade. This wedge is slotted, to allow the screw *a* to pass through, and to be moved longitudinally, without interference from said screw. To the inner end of the wedge is attached a tail-screw, D, extending through the other end of the handle, where it receives a wing-nut, E, by screwing up which the wedge will be forcibly drawn inwardly, and exert a great pressure upon the blade, which is thus clamped firmly in place.

By loosening the nut E, the pitch of the incline will force out the wedge, and release the blade from pressure.

What I claim as my invention, and desire to secure by Letters Patent, is—

The bevel-square described, wherein the handle A, blade B, wedge C, tail-screw D, and nut E are constructed and arranged substantially as set forth.

GEO. C. MILLER.

Witnesses:

CHAS. E. HUESTIS,
H. S. SPRAGUE.