

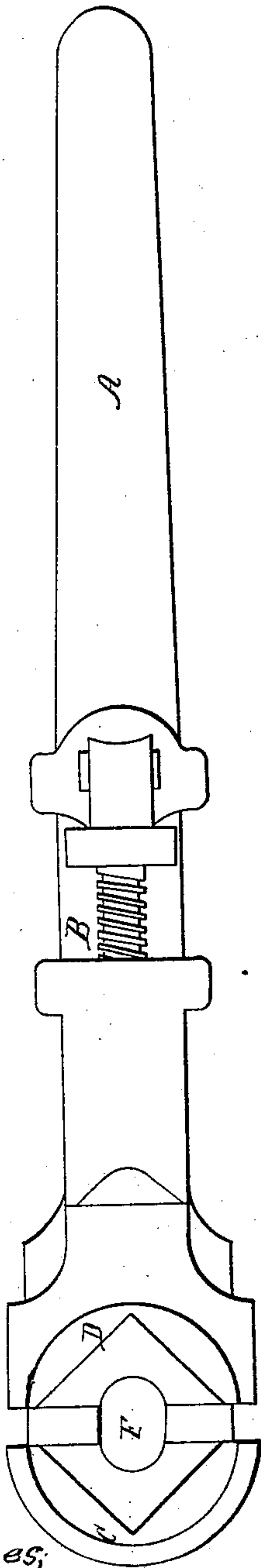
H. E. Anthony,

Wrench.

N^o 85,049.

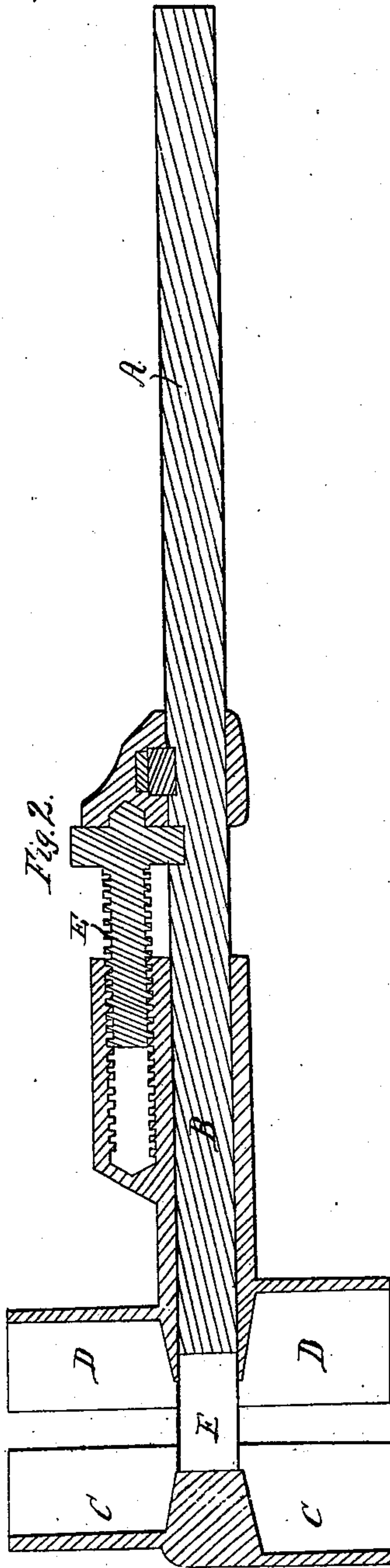
Patented Dec. 22, 1868.

Fig. 1.



Witnesses;
S. Scholfield,
James Young

Fig. 2.



Inventor;
Henry E. Anthony



HENRY E. ANTHONY, OF PROVIDENCE, RHODE ISLAND.

Letters Patent No. 85,049, dated December 22, 1868.

IMPROVEMENT IN WRENCH.

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, HENRY E. ANTHONY, of Providence, in the county of Providence, and State of Rhode Island, have invented an Improved Adjustable Wrench; and do hereby declare that the following is a full and exact description, reference being had to the accompanying drawings, making a part of this specification.

The nature of my invention consists in constructing the jaws of an adjustable wrench with grooves running from the side of the shank, and having the widest part of the shank in a direction across or at right angles to such grooves; also, in the combination of the above-described grooved jaw with a slot, or circular opening, in the shank of the wrench.

To enable those skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

Figure 1 represents a top view, and

Figure 2, a sectional side view.

A is the handle.

B, the shank.

C, the stationary jaw.

D, the movable jaw, grooved out to receive the corners of the nut.

E, the screw to adjust the jaws.

Fig. 2 shows the wrench with double jaws, one larger than the other, and placed on opposite sides of the shank B.

The grooves in the jaws, shown in fig. 1, are intended for square nuts, but for use upon six-cornered nuts they may be made at a different angle, so as to fit the sides of the nut.

The shank B is made wide in the direction of the strain caused by turning the nut, and is therefore less liable to become bent or broken.

The slot F, in the shank, will allow the end of a bolt to pass through, as the nut is being screwed upon the same.

This wrench is more particularly designed for a carriage-wrench, but is well adapted to a more general use.

It has been found very useful for holding nuts while drilling out the holes, the drill, as it passes through the hole, entering the slot F.

Instead of adjusting the jaws by the screw, any other suitable device may be employed.

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

The combination of the grooved or angular jaws C D, wide shank B, and screw E, or its equivalent, for adjusting the jaws, all arranged substantially as described.

HENRY E. ANTHONY.

Witnesses:

S. SCHOLFIELD,
JAMES YOUNG.