

S. W. DAVIS.  
Drill-Stand.

No. 210,104.

Patented Nov. 19, 1878.

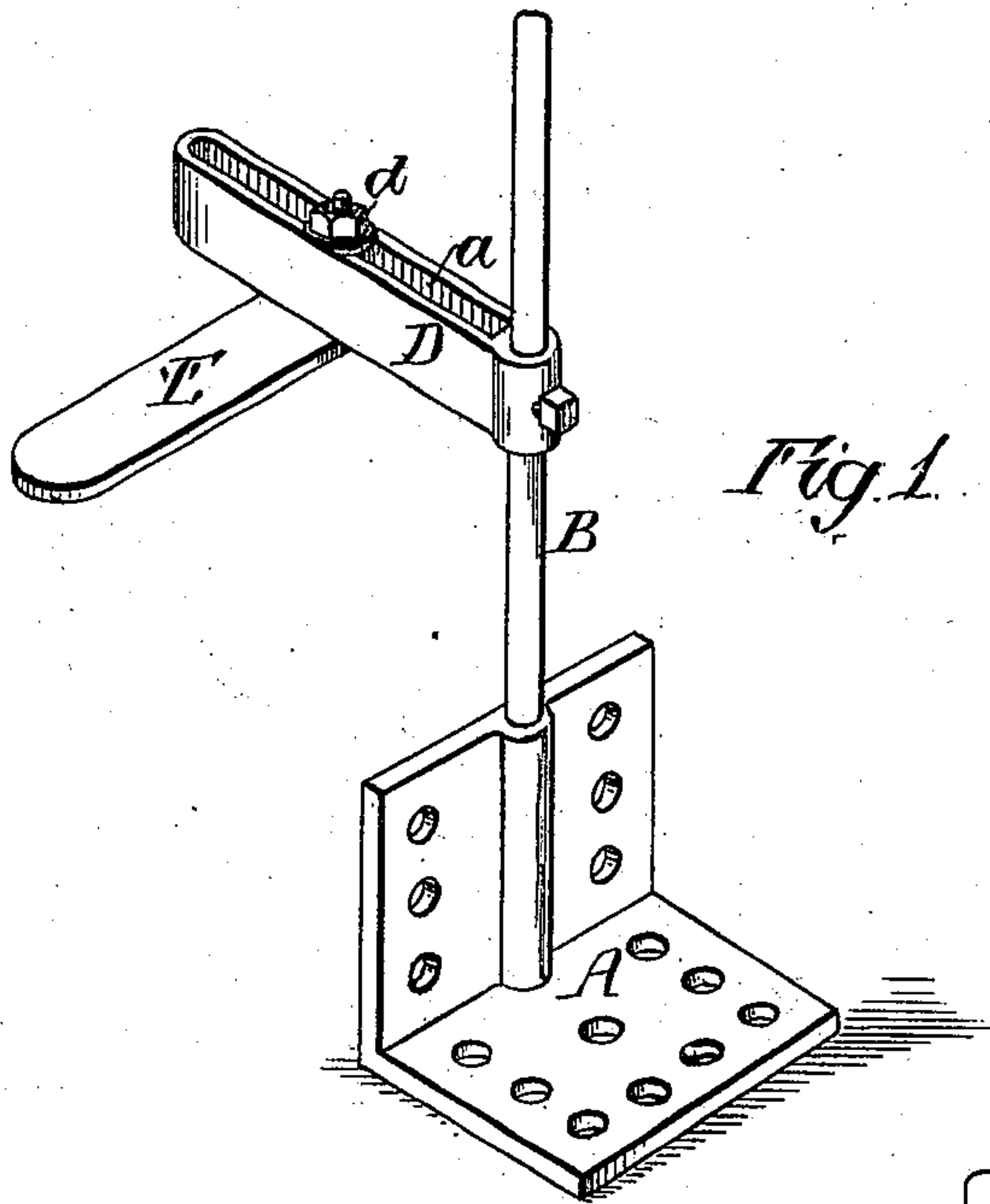


Fig. 1

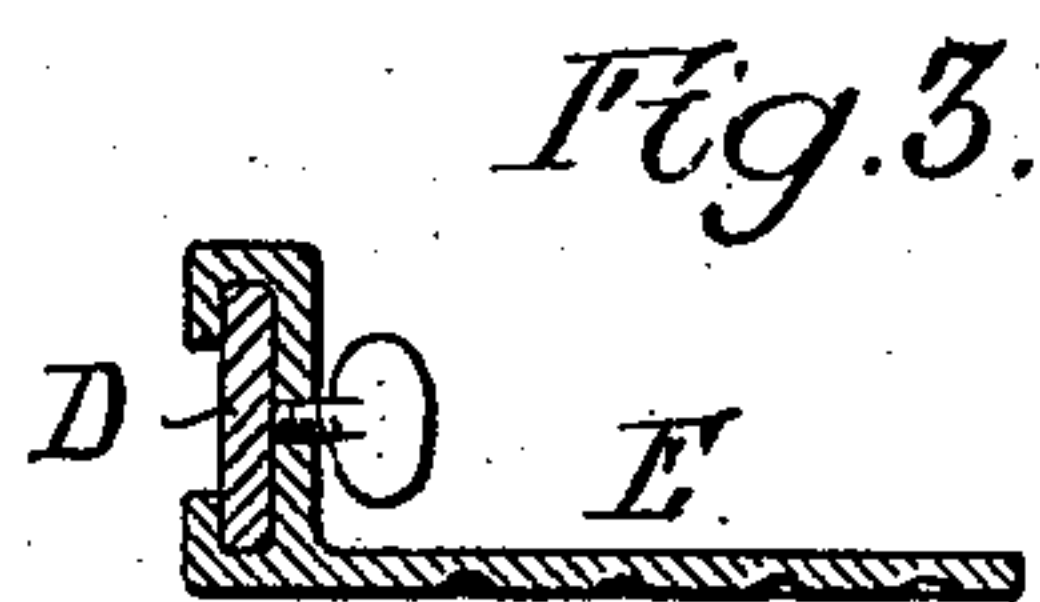


Fig. 3.

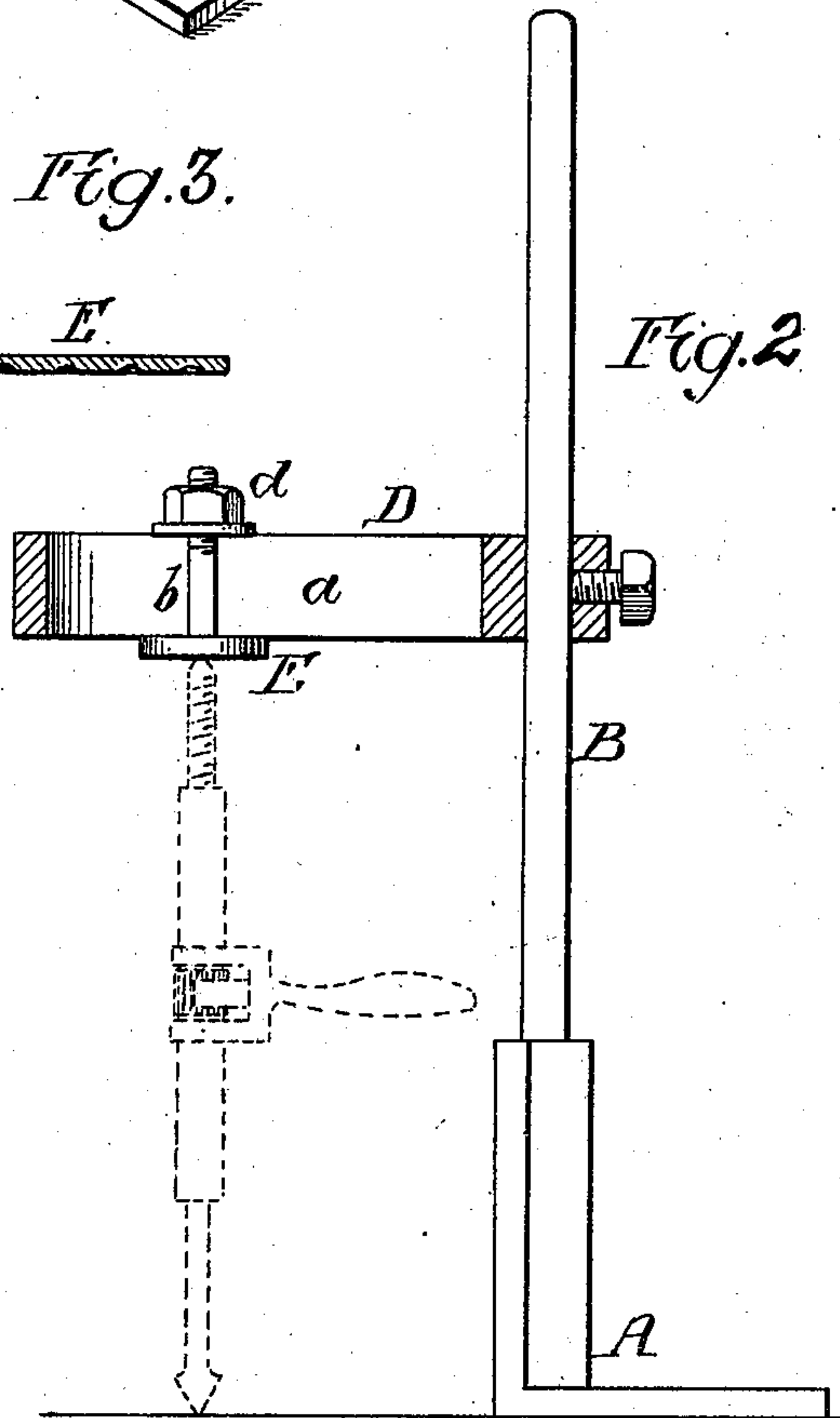


Fig. 2

Witnesses,  
Henry Howson Jr.  
Henry Smith

Inventor,  
Samuel W. Davis  
by his attorneys  
Howson and Son

# UNITED STATES PATENT OFFICE.

SAMUEL W. DAVIS, OF WILMINGTON, DELAWARE.

## IMPROVEMENT IN DRILL-STANDS.

Specification forming part of Letters Patent No. **210,104**, dated November 19, 1878; application filed August 10, 1878.

*To all whom it may concern:*

Be it known that I, SAMUEL W. DAVIS, of Wilmington, Delaware, have invented a new and useful Improvement in Drill - Stands, of which the following is a specification:

My invention relates to certain improvements in drill-stands—that is, the stands used in connection with ratchet-drills and other drilling-tools operated by hand; and the object of my invention is to obtain facilities for that varied adjustment of the drilling-tool which the ordinary drill-stand does not afford.

In the accompanying drawings, Figure 1 is a perspective view of the drill-stand; Fig. 2, a side view, partly in section; and Fig. 3, a modification.

An ordinary drill-stand consists of a base, A, perforated so that it can be readily bolted to any available object, and having a vertical stem, B, from which projects an arm, the under side of the latter having a number of recesses or indentations, into any one of which may be introduced the point of the feed-screw of a ratchet or other hand-drill. This old stand involves that necessity of repeated adjustments of the arm, which I obviate in the following manner:

The arm D, which can be turned laterally and adjusted vertically on the stem, as usual, is slotted longitudinally, and to this slot *a* is adapted the stem *b* of a plate, E, which can be adjusted longitudinally to any desired position on the said arm, and secured after adjustment by means of a nut, *d*, adapted to the threaded upper end of the stem *b*.

The plate E has a number of recesses, into any one of which can be adjusted the point of the feed-screw of the hand-drill, as shown by dotted lines in Fig. 3; and this plate E may be

arranged to project laterally from either side of the arm D, or may form a longitudinal continuation of the same, and may be arranged either on the upper or under side of the arm, as the character of the work to be performed may suggest.

The combination of this adjustable plate E with the arm D affords facilities for the varied and ready adjustment of the drilling-tool without frequent adjustment of the arm D on the stem B.

Instead of the arm D being slotted, it may consist of a plain straight bar, and the plate E may have a projection adapted to this bar, as shown in Fig. 3; but I prefer the slotted arm.

I am aware that a block adjustable on the swinging arm of a drill-stand has been used in connection with a power-driven drill; but this device did not overcome the objection hereinbefore alluded to in connection with the old drill-stand—namely, the necessity for frequently adjusting the arm D on the stem B.

I claim as my invention—

The combination, substantially as described, of the drill-stand stem B, the arm D, arranged to swing thereon, and the plate E, adjustable on the arm D, arranged to project beyond the same, and provided with a number of recesses, to any one of which may be adapted the stem of a drilling-tool, as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

SAMUEL W. DAVIS.

Witnesses:

THOMAS McILVAIN,  
HARRY SMITH.