A. J. Truxell,

Chuck or Lathe Dog.

No. 109,079. Patented Nov. 8. 1870.

fig 1.

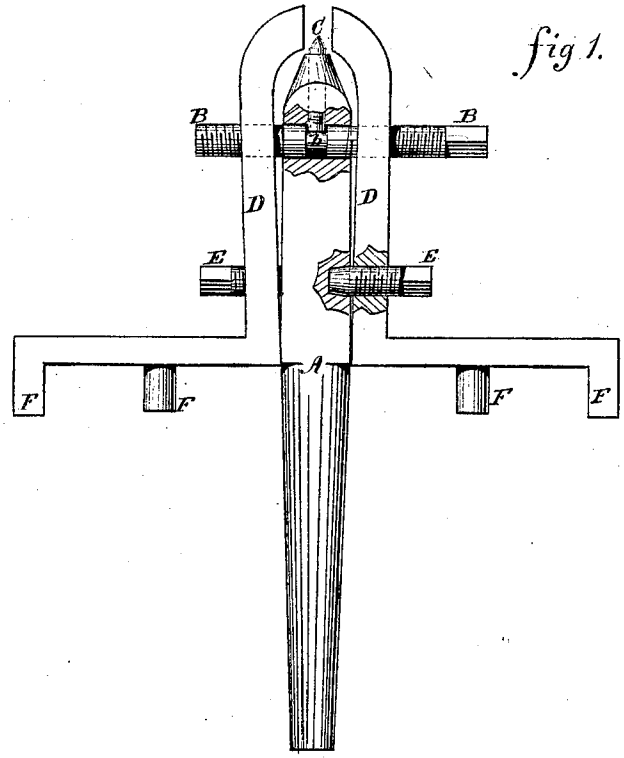
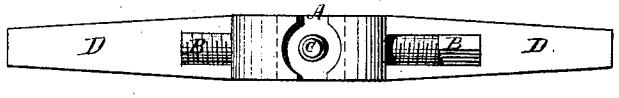


fig 2



Witnesses:

C. H. Fitch

Jno. Ehner

Inventor:

A. J. Truxell

per Baxter & Hagmann

Attorneys

United States Patent Office.

ANDREW J. TRUXELL, OF LYNCHBURG, VIRGINIA.

Letters Patent No. 109,079, dated November 8, 1870.

IMPROVEMENT IN COMBINED CENTERS AND LATHE-DOGS.

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, ANDREW J. TRUXELL, of Lynchburg, in the county of Campbell and State of Virginia, have invented a new and useful Combined Center and Lathe-Dog; and I do hereby declare that the following is a full, clear, and exact description thereof, sufficient to enable those skilled in the art to which my invention appertains to make and use the same, reference being had to the accompanying drawing making part of this specification, in which—

Figure 1 is a side elevation partly in section.

Figure 2 is a top view.

The nature of my invention relates to a combined center and lathe-dog, provided with two or more adjustable jaws, arranged and operating as hereinafter particularly described.

The shank A is tapering in form at its inner end. Near the outer end is a hole, through which passes a rod, B, having on one end a right-hand screw-thread, and on the other end a left-hand screw-thread.

In the middle of the rod B is a groove, *b*.

In the outer end of the shank A is inserted a center, C, formed with a screw-thread, so as to be removable.

The inner end of the center C engages with the groove *b*, and holds the rod B in place on the shank.

The jaws D have their outer ends curved toward each other, the inner ends being bent at right angles, and turned in opposite directions.

Near the curved ends are holes formed with screw-threads, which engage with the screw-threads on the rod B.

Near the angles are set-screws E, which pass through the jaws and bear against the shank.

Between the angles and the inner ends are studs or projections F.

The inner end of the shank A is inserted in the arbor, and the studs F fit in radial slots or grooves in the face-plate, so as to turn with it.

The space between the jaws is increased or diminished by turning the rod B to the right or left, and the strain is equalized by means of the set-screws E.

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

The improved device herein described, consisting of the shank and center A C, studded jaws D, and screws B and E, constructed and arranged as set forth.

A. J. TRUXELL.

Witnesses:

C. H. FITCH,

JNO. SHNIER.