

C. L. WICKHAM.
Lathe-Dogs.

No. 138,305.

Patented April 29, 1873.

Fig 1

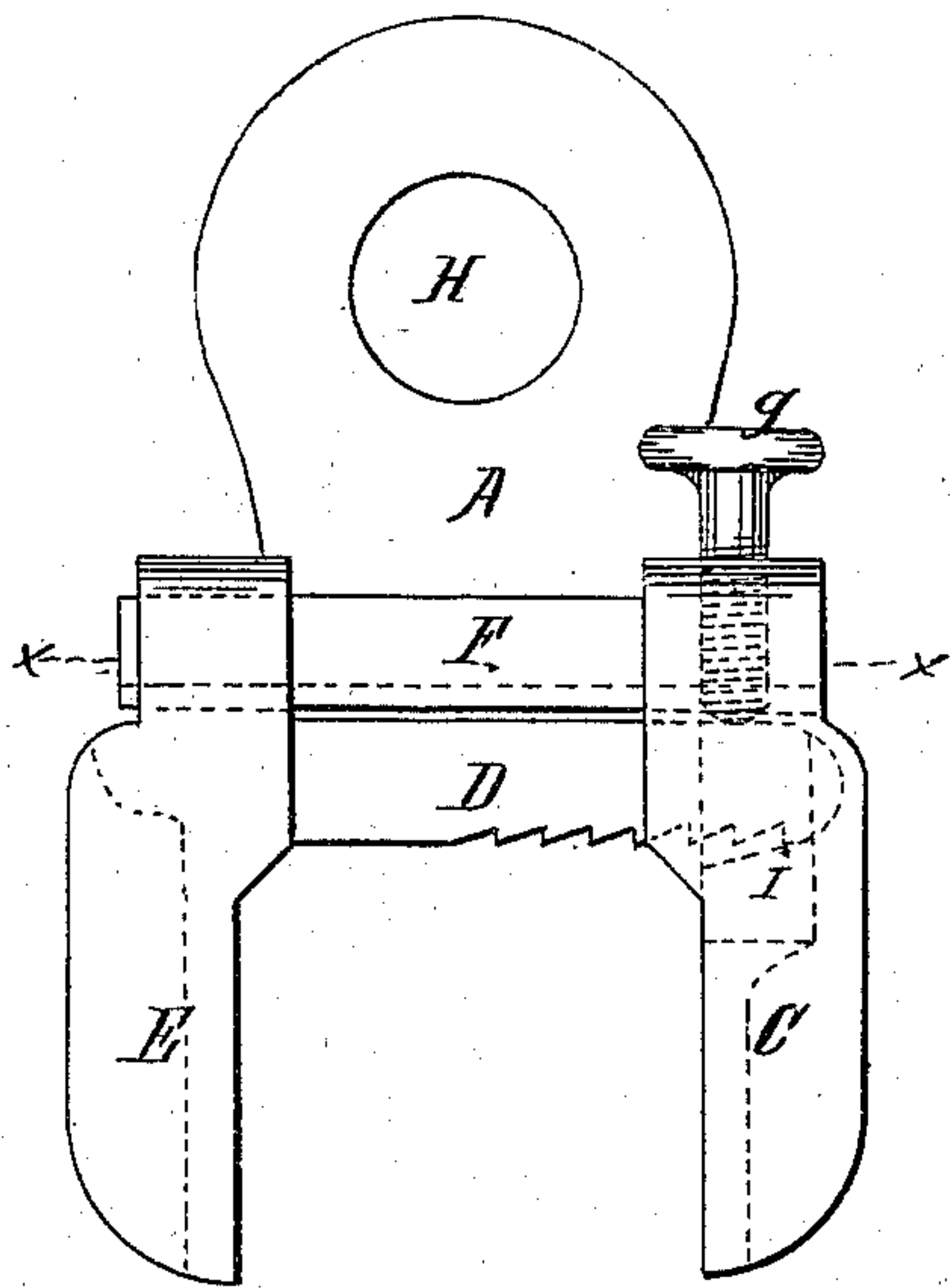


Fig 2

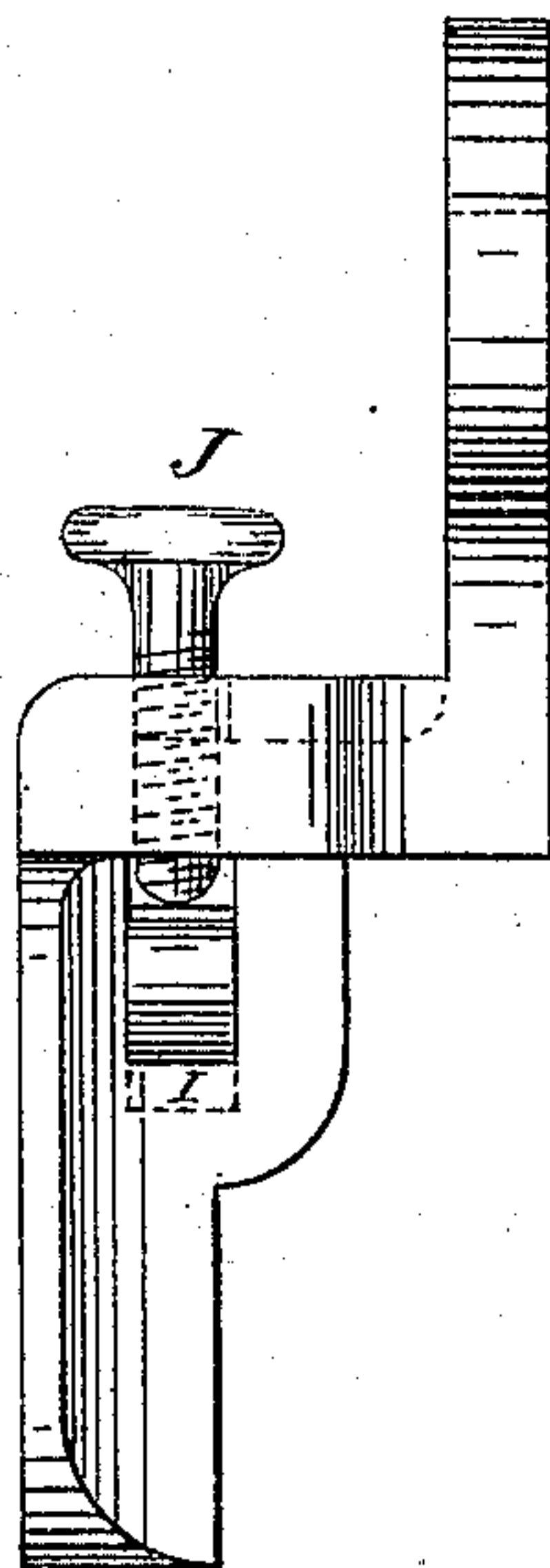


Fig 3

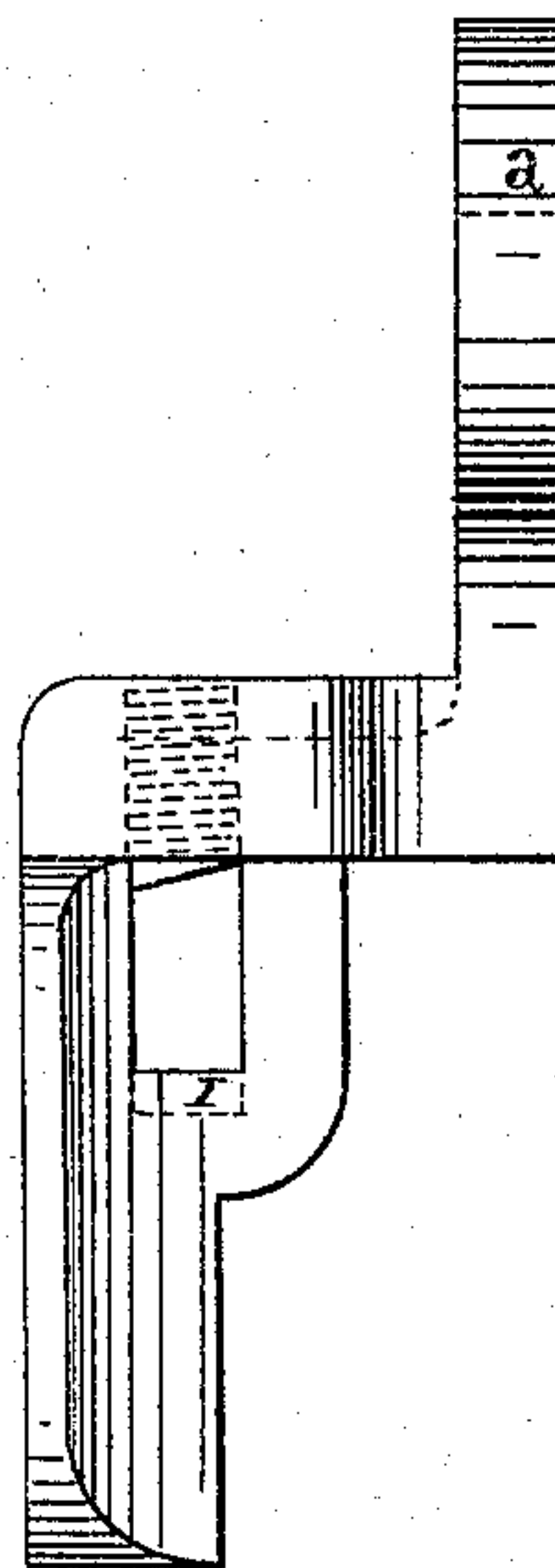


Fig 7

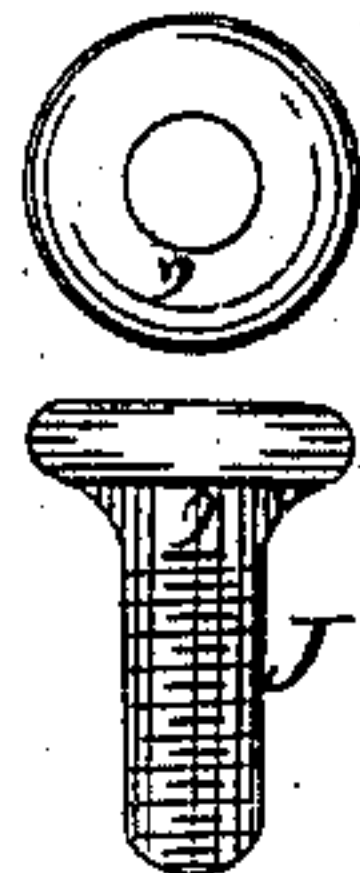


Fig 4



Fig 5

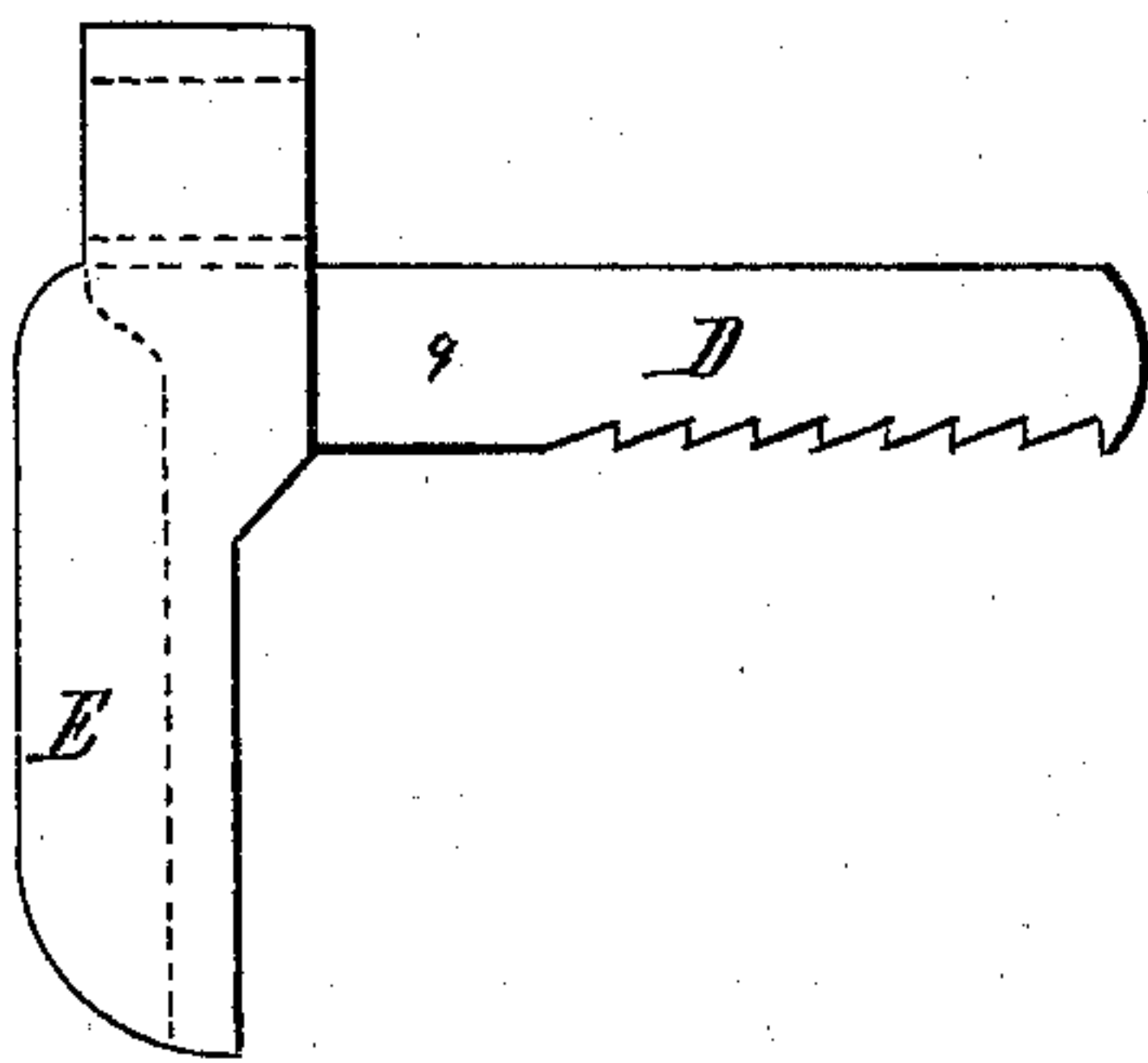
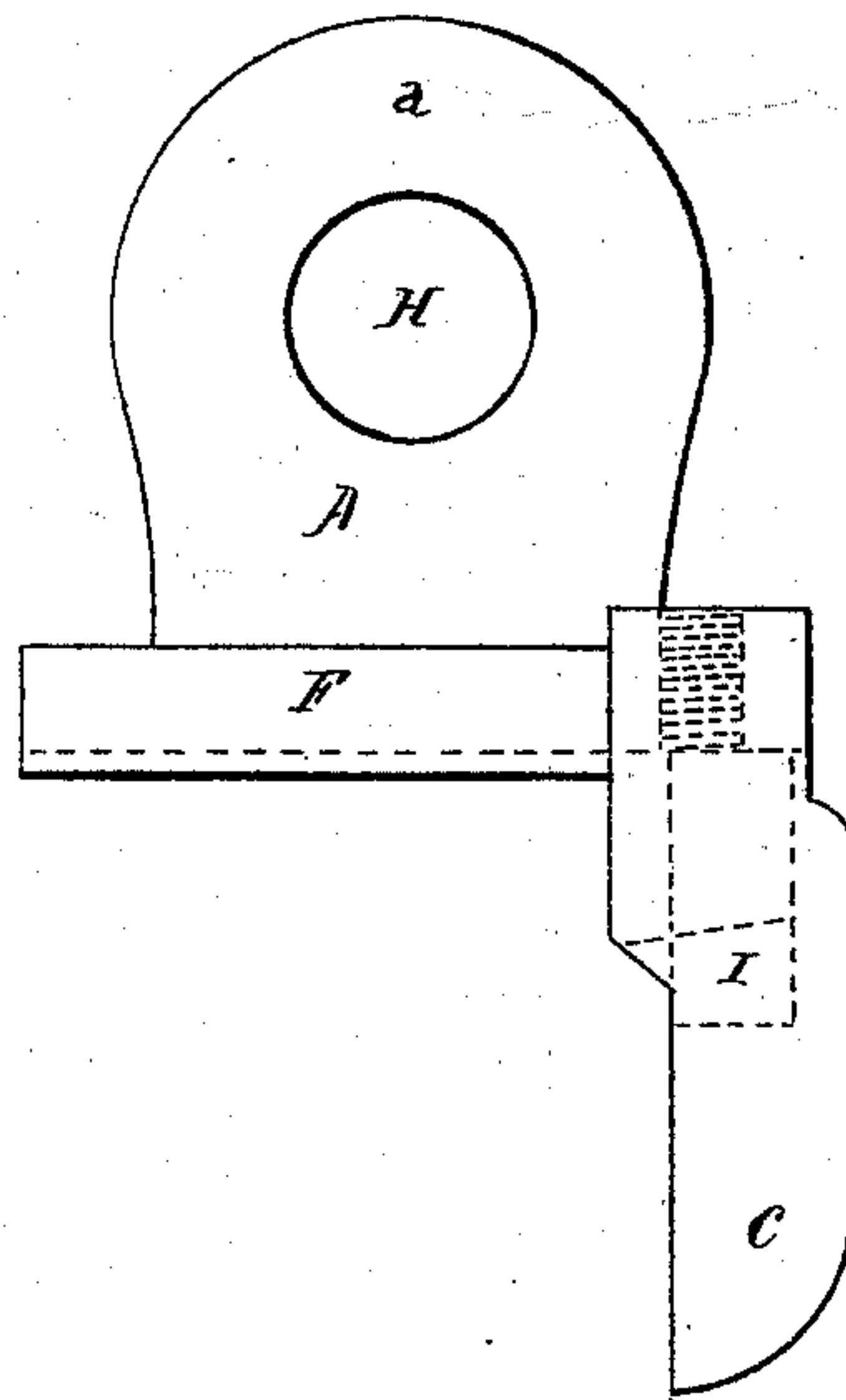


Fig 6



Witnesses

Orrin Wickham.
William A. Farrin.

Inventor.

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UNITED STATES PATENT OFFICE.

CHARLES L. WICKHAM, OF UTICA, NEW YORK.

IMPROVEMENT IN LATHE-DOGS.

Specification forming part of Letters Patent No. **138,305**, dated April 29, 1873; application filed August 3, 1872.

To all whom it may concern:

Be it known that I, CHARLES L. WICKHAM, of Utica, in the county of Oneida and State of New York, have invented a new and Improved Bolt-Dog; and I do hereby declare that the following is a clear, full, and exact description thereof, which will enable others skilled in the art to make and use the same, by referring to the accompanying drawing forming part of this specification—

My invention consists in making bolt-dogs or bolt drivers adjustable, which have heretofore been made solid, and thus avoid having to remove the bolt-dog from the face-plate of a lathe or other machine, and readjust another size each time a larger or smaller bolt or piece of metal is to be turned. Said invention relates to an improved apparatus for holding, in a certain position to a face-plate of a lathe or other machine, bolts or square metal while being worked or turned in the ordinary operation; and it consists of an adjustable jaw having a shank which passes through a recess in an opposite but stationary jaw. Said shank of the adjustable jaw is provided with a rack, into which a projecting tooth catches. Said tooth is situated inside of the recess of the stationary jaw. The rack-shank is kept on the tooth and held fast by means of a thumb-screw projecting through the upper part of the recess of the stationary jaw through which the rack-shank passes. The adjustable jaw is provided also with a dovetailed recess through which the shank or body piece of the stationary jaw passes, and serves to guide the adjustable jaw and keep it in a firm yet sliding position, all as hereinafter described.

Figure 1 is a front view of a bolt-dog, showing my improved apparatus with the several

parts combined. Figs. 2, 3, and 4 are sections of Fig. 1 taken on the line *xx*. Fig. 5 is a front view of the adjustable jaw and rack-shank. Fig. 6 is a section of Fig. 1, showing the stationary jaw and its beveled shank. Fig. 7 is a view of thumb-screw.

Similar letters of reference indicate corresponding parts.

A represents a bolt-dog which is generally fastened to a face-plate of a lathe or other machine by means of a bolt through the hole H. E and C are the jaws, D and F are the shanks, which are fitted in the recesses of the jaws E C. The shank D of the adjustable jaw E is provided with a rack, into which a projecting tooth, I, catches. Said tooth is situated inside of the recess of the stationary jaw C. The rack-shank D is kept on the tooth I, and held fast by means of a thumb-screw, J, projecting through the upper part of the recess of the stationary jaw C through which the rack-shank passes. The adjustable jaw E is provided with a dovetailed recess through which the beveled shank F of the stationary jaw C passes, and acts as a guide to the adjustable jaw E, and serves to hold it in a firm yet adjustable position.

Having thus described my invention, I claim as new, and desire to secure by Letters Patent—

The improved lathe-dog, consisting of the jaw C, in one piece with the part A, and having a toothed mortise, as described, and the jaw E and the toothed bar D, also in one piece, all as and for the purpose set forth.

CHARLES L. WICKHAM.

Witnesses:

Q. M. YOUNGS,
ORRIN WICKHAM.