

W. F. Bacon,

Chuck.

No. 94,376,

Patented Aug 31, 1869.

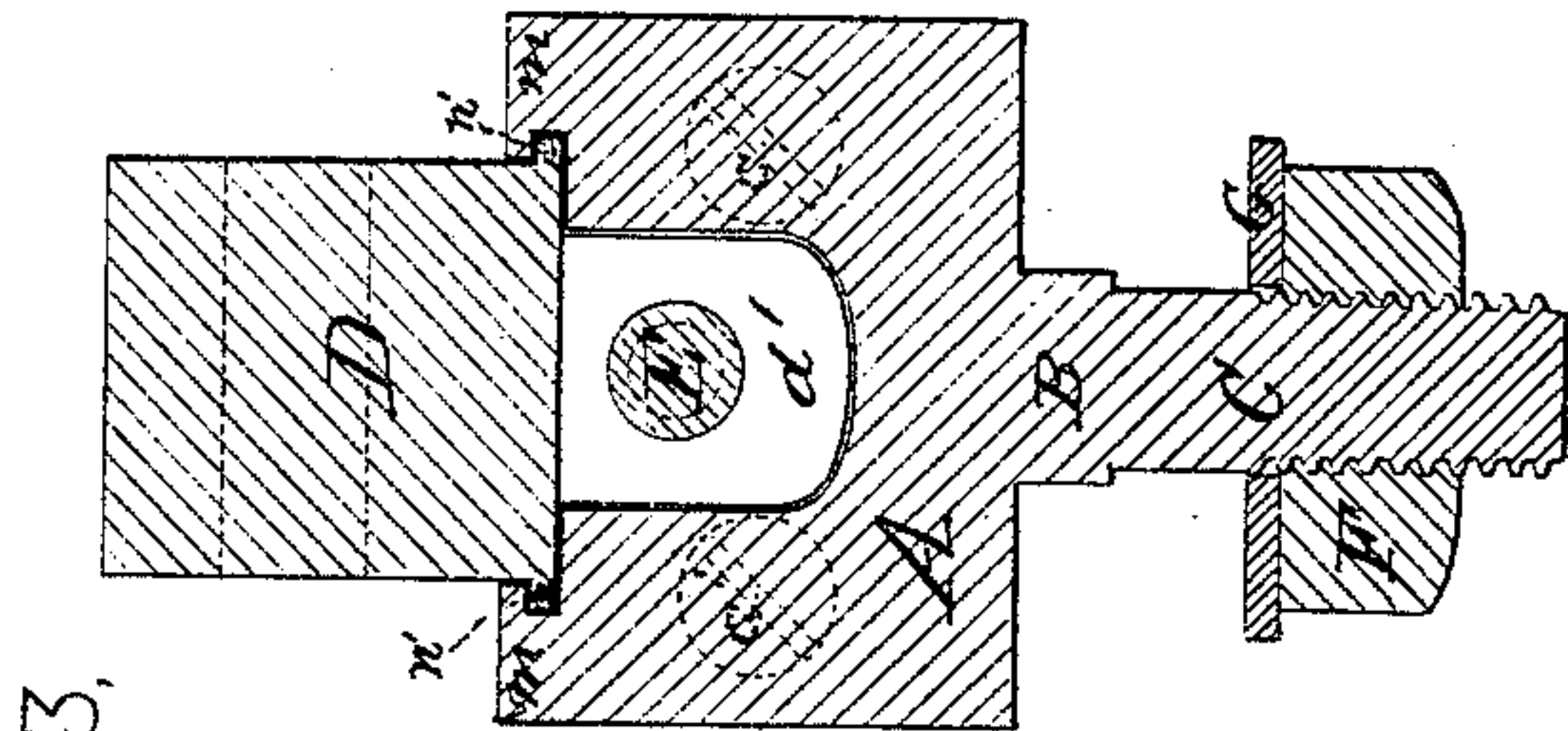


Fig. 3,

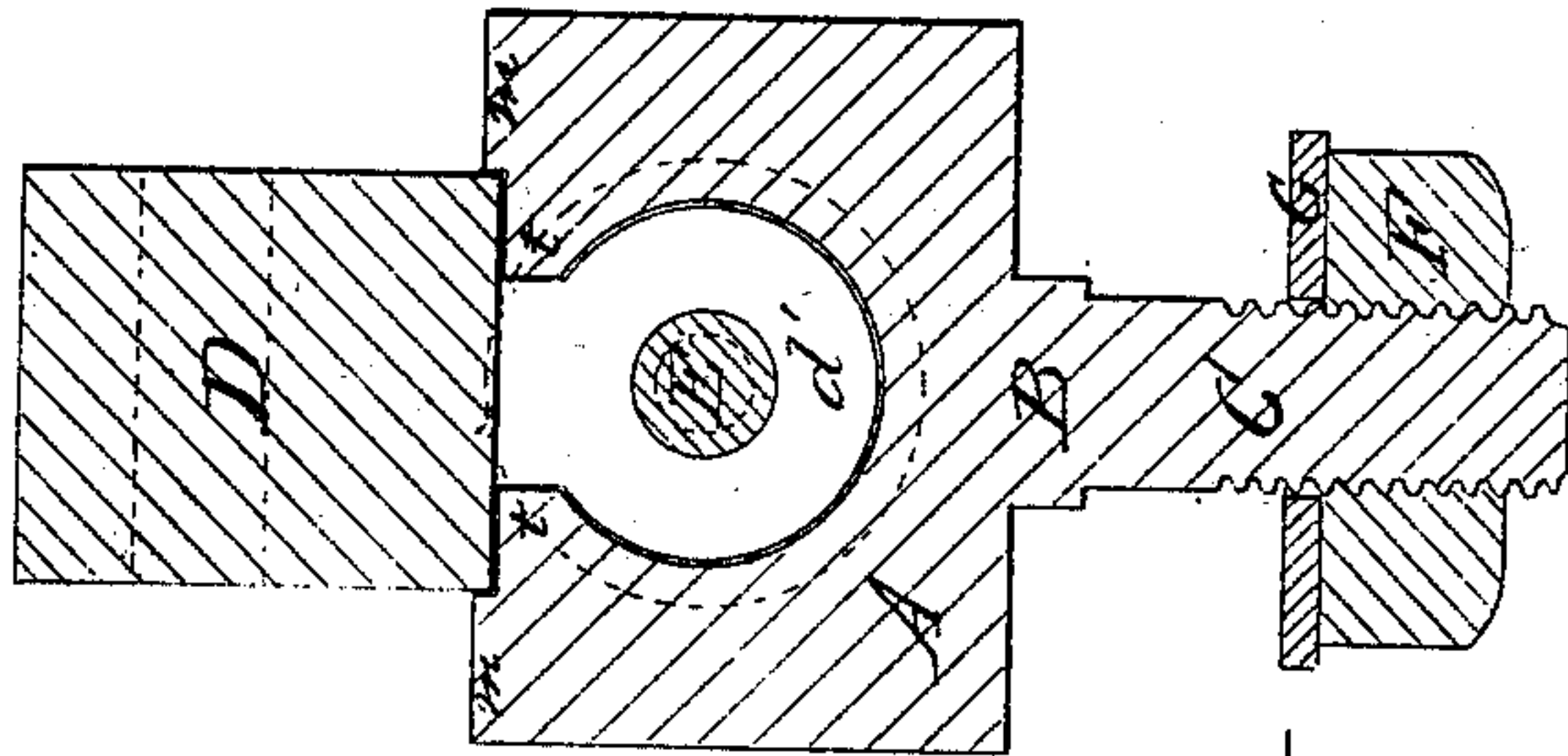


Fig. 2,

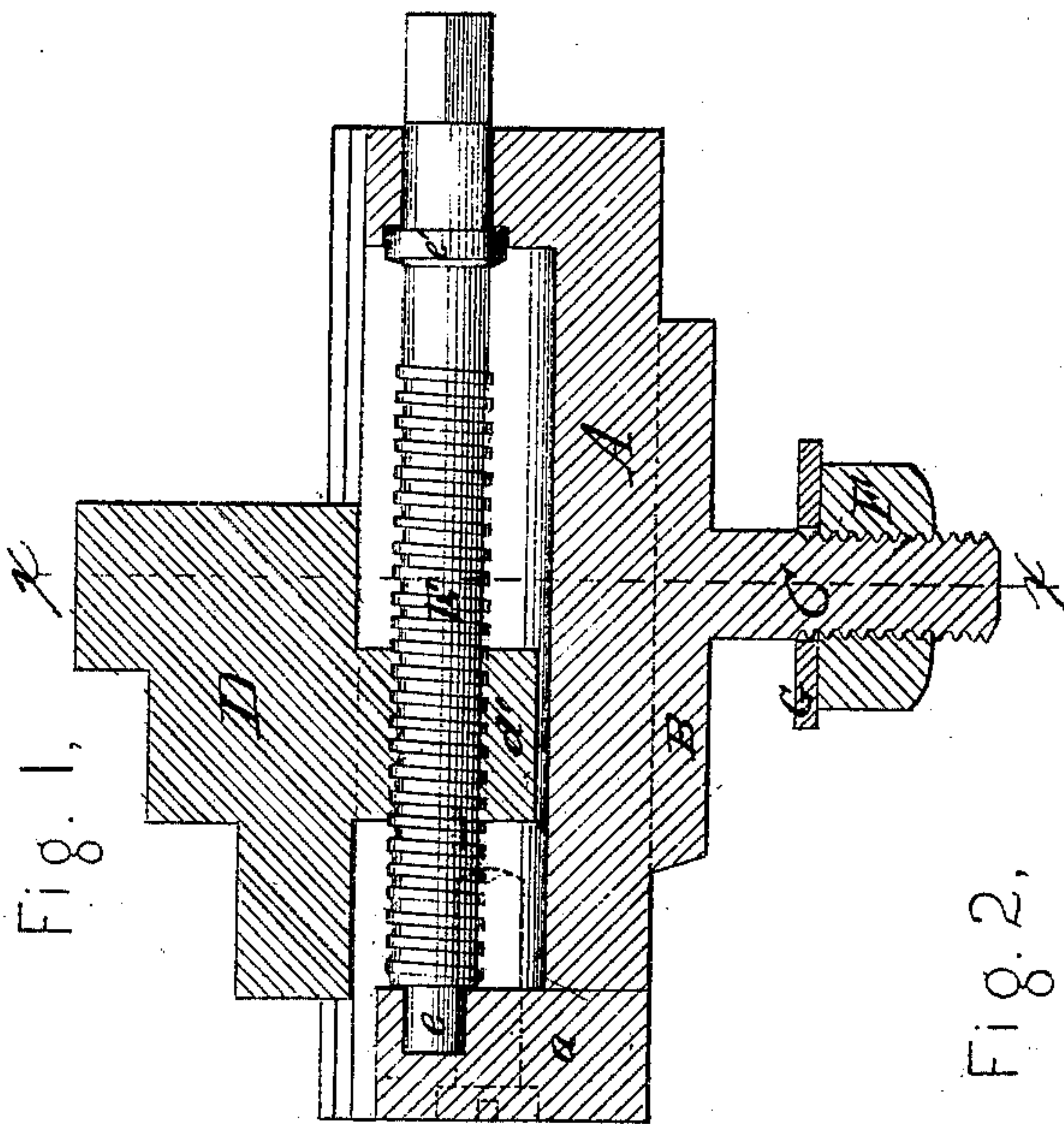
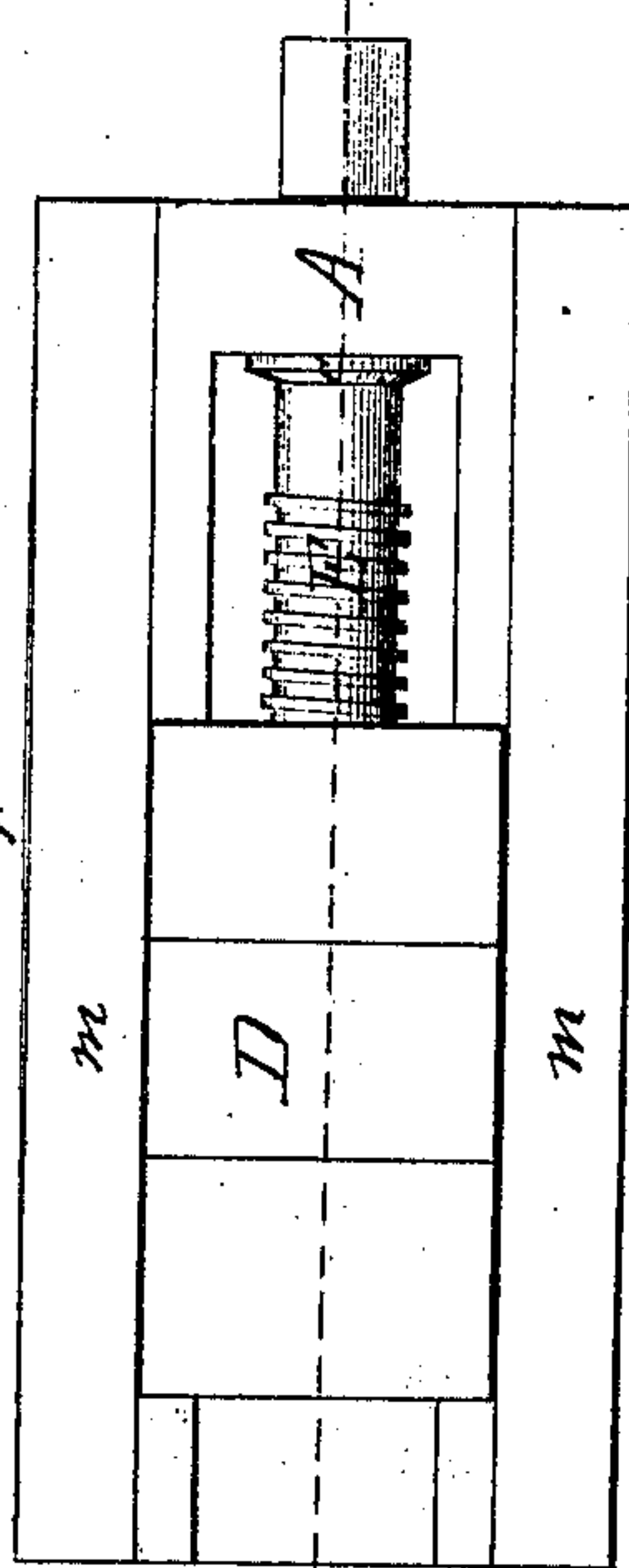


Fig. 1,



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Witnesses
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W. F. BACON, OF SKOWHEGAN, MAINE.

Letters Patent No. 94,376, dated August 31, 1869.

IMPROVEMENT IN CHUCK.

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, W. F. BACON, of Skowhegan, in the county of Somerset, and State of Maine, have invented a new and valuable Improvement in Portable Chuck-Jaws; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1, of the drawings, is a vertical longitudinal section through the centre of my chuck-jaw.

Figure 2 is a top view of the chuck-jaw.

Figure 3 is a vertical cross-section through the centre of the bolt, in the line *x x*.

My invention relates to an improvement in chuck-jaws, attached to the face-plates of engine or shafting-lathes; and consists, mainly, in a novel arrangement of devices, whereby the chuck-jaw may be easily and securely set up to the work, and firmly bolted to the face-plate.

The letter A, of the drawings, designates the bed-piece of the chuck-jaw, which is, in form, a parallelo-piped, having a slot in its front surface, and formed on its rear surface a rib, B, and bolt C.

The rib B fits in the slot of the face-plate, through which the bolt C passes, on the end of which is screwed the nut F, thereby firmly securing the chuck-jaw to the face-plate in any desired position, with reference to the slot of the face-plate.

D represents the sliding jaw, having a stud or projection, *d'*, formed on its rear side, which slides in the slot in the front surface of the bed-piece A. Cut in this projection is a female screw, working on a screw, E.

The front portion of the sliding jaw is formed into steps, in order that it may be with greater facility ad-

justed to the work, and that the latter, when in position may be more easily operated on.

G represents a washer applied between the nut F and the rear surface of the face-plate.

The screw E extends the length of the slot in the bed-piece, having a journal, *e*, bearing in the removable end-piece *a*, which, after the screw is placed in position, is secured to the body of the bed-piece by the screws *a' a'*.

The other end of the screw E is expanded, forming a collar, *e'*, fitting in a depression in the end of the slot in the bed-piece, and then contracted, forming a journal, which passes entirely through a bearing in the end of the bed-piece, and finally fashioned into a square head, whereby the screw E is turned, a key being applied thereto.

To confine the jaws to the bed-piece, the front surface of the bed-piece A may have formed on it parallel bars *m m*, grooved in their inner surfaces, to receive tongues *n' n'*, formed on the sides of the base of the sliding jaw D; but this I do not regard so good a method as that shown in Figure 4.

I do not desire to confine myself to the form of the slot in bed-piece A, as in fig. 4, but sometimes prefer to form the grooves with tongues, as shown in fig. 3.

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

The adjustable bed-piece A, rib B, bolt C, with nut F and washer G, the screw E, sliding jaw D, substantially as shown and described.

In testimony that I claim the above, I have hereunto subscribed my name, in the presence of two witnesses.

Witnesses:

HIRAM KNOWLTON,
LEVI YOUNG.

W. F. BACON.