

No. 720,297.

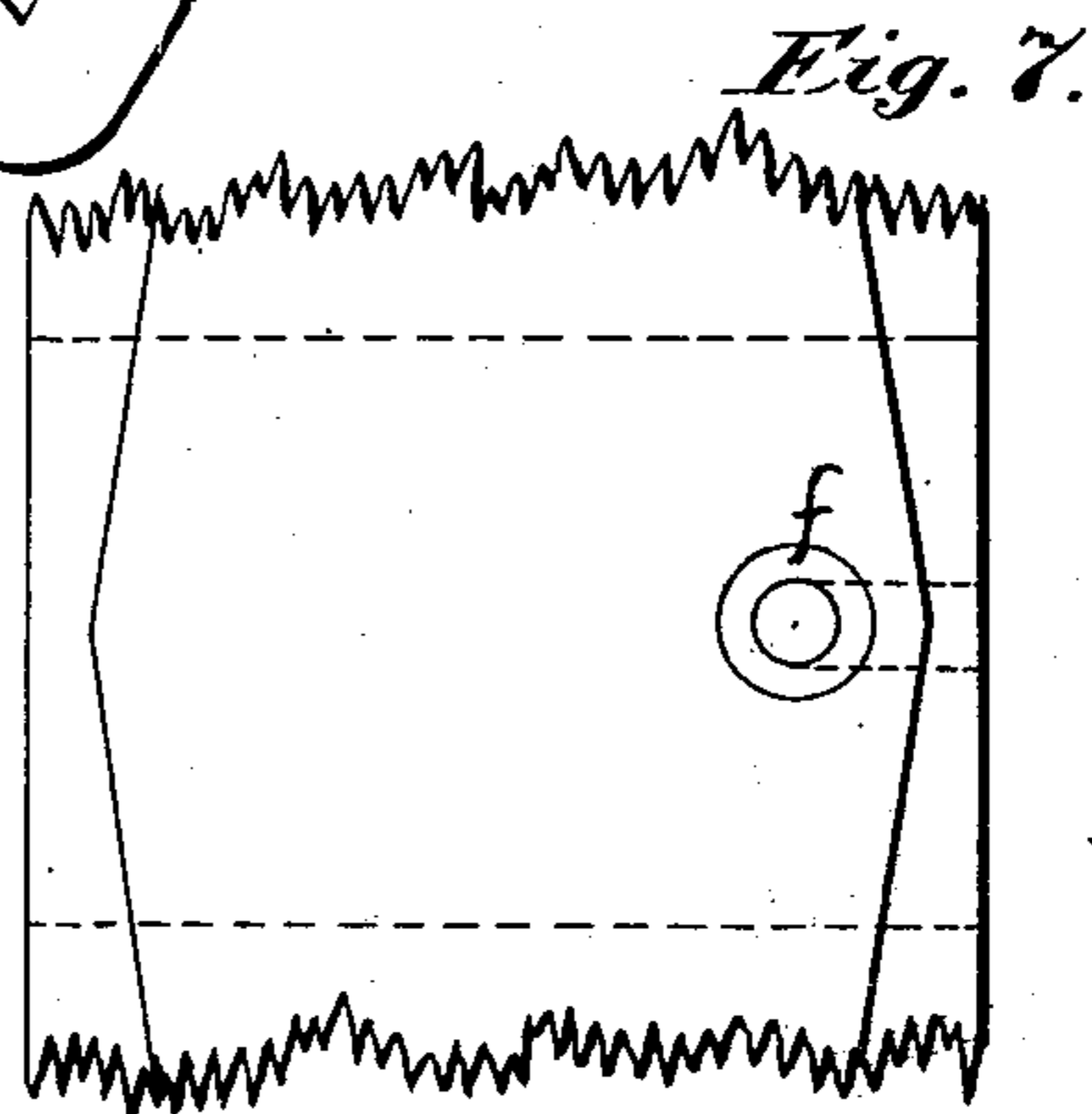
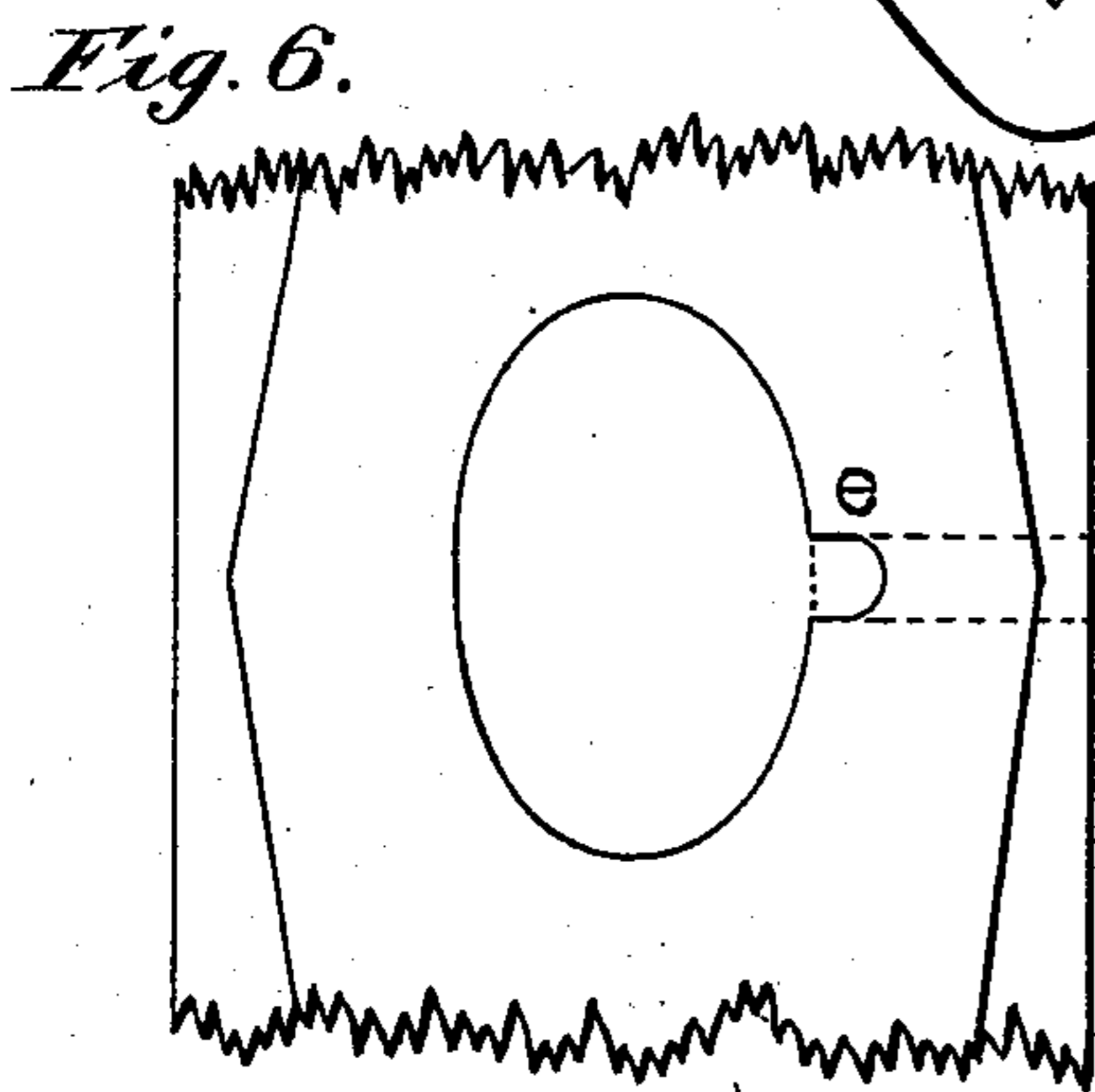
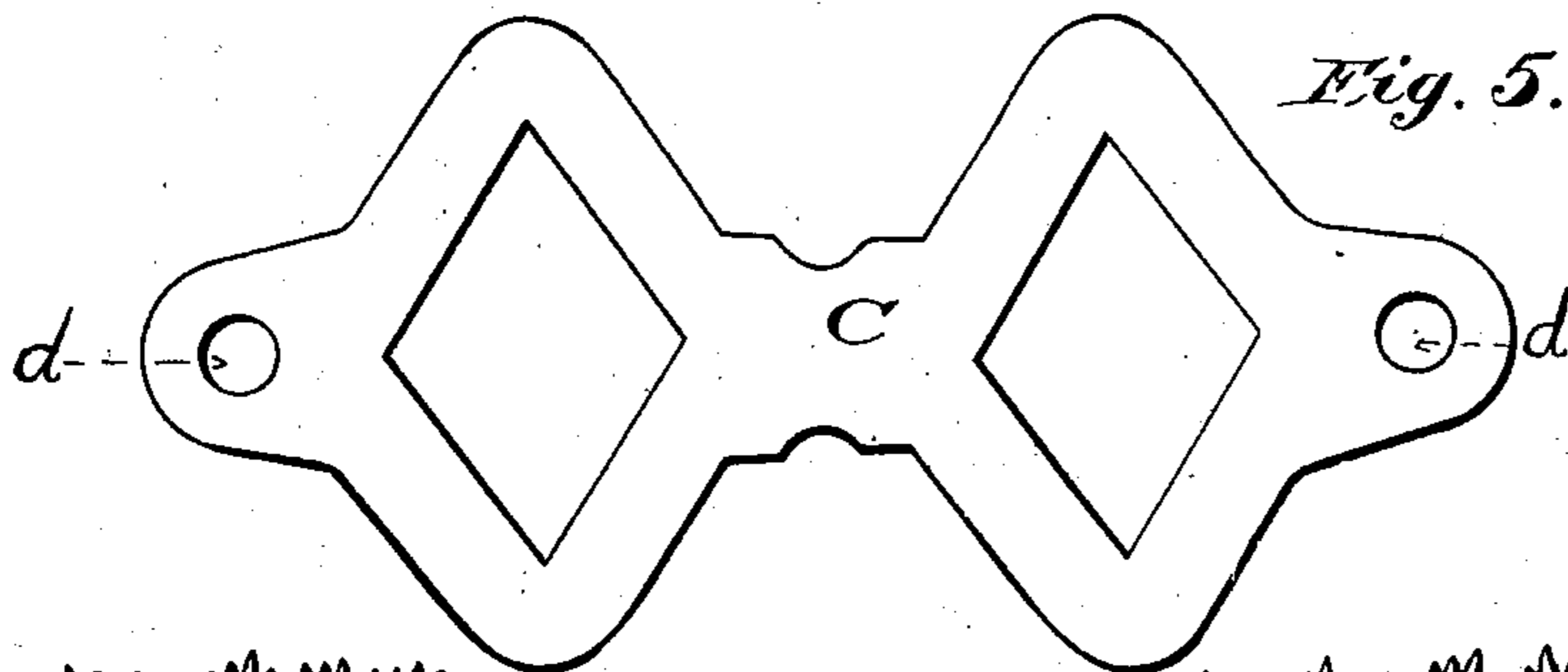
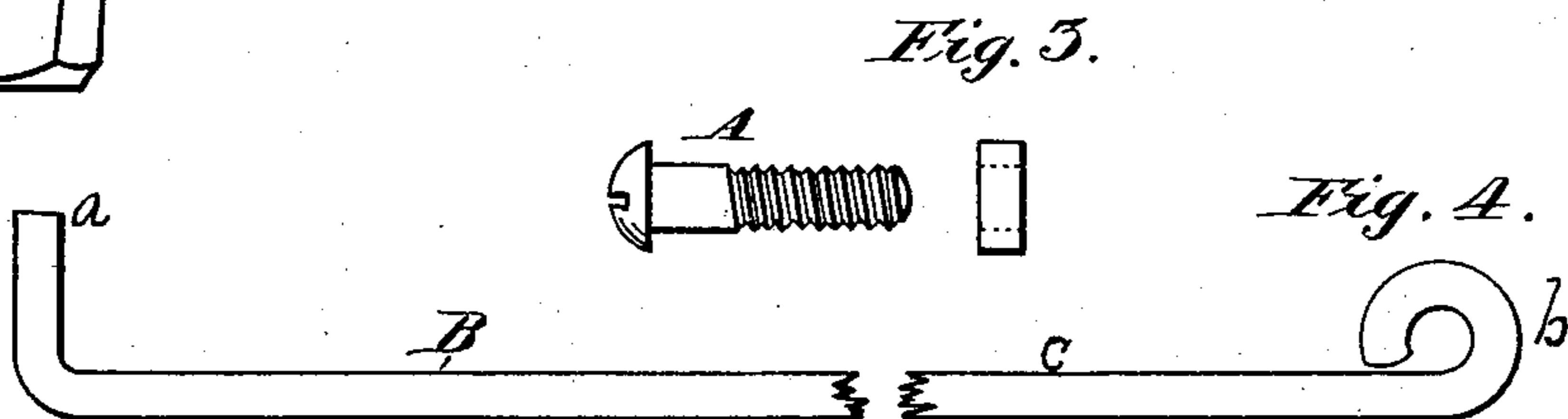
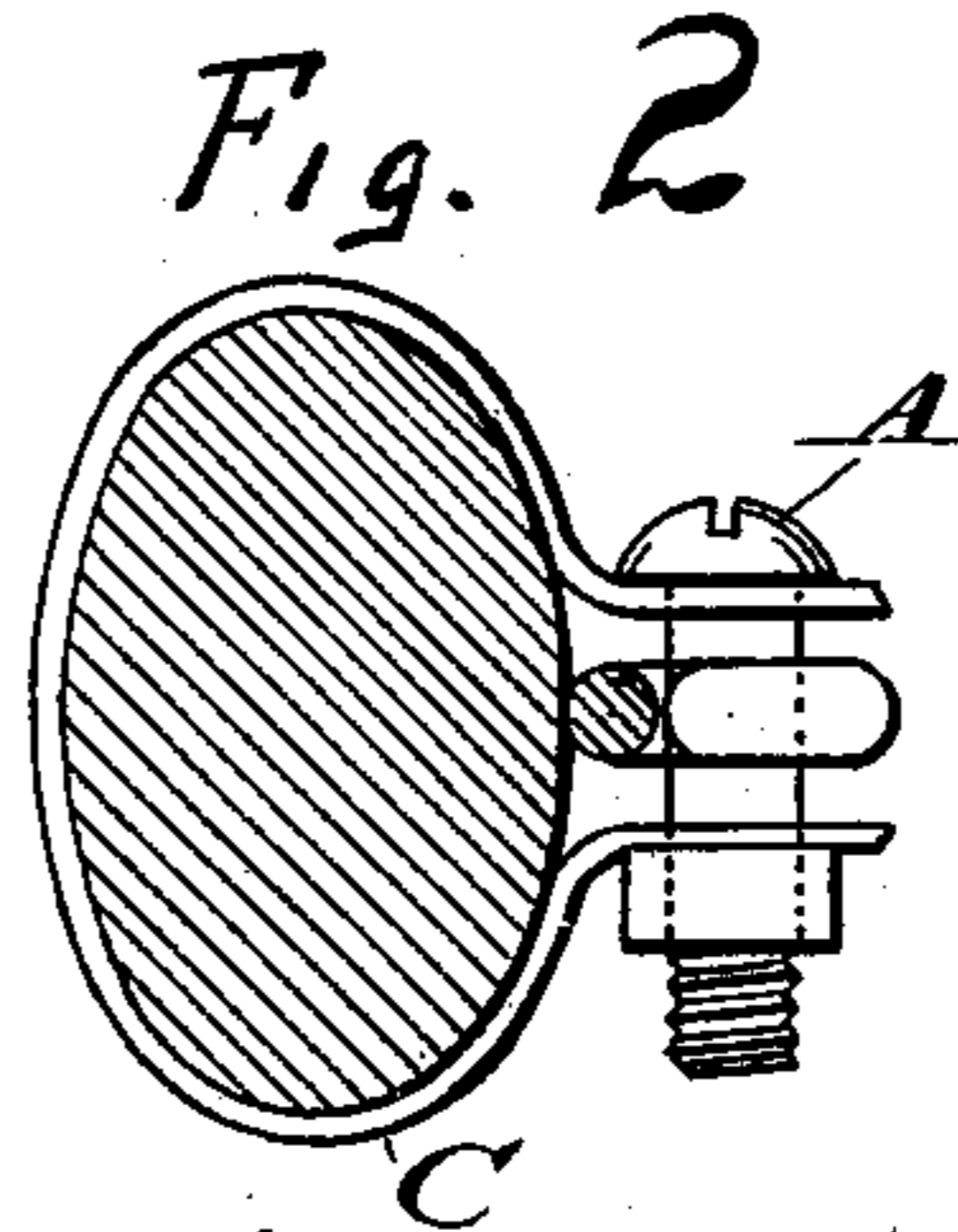
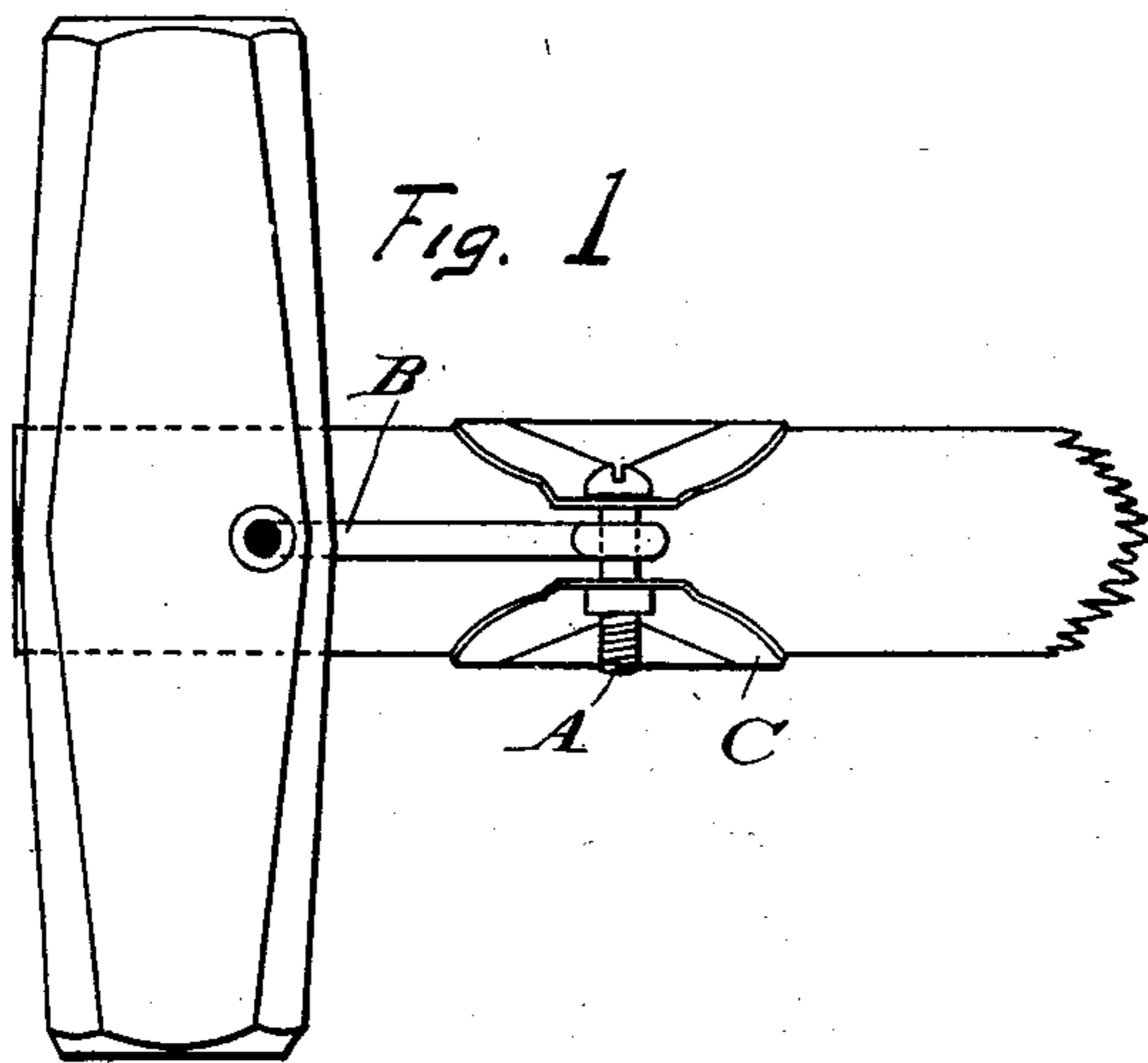
PATENTED FEB. 10, 1903.

F. STRAUB.

SAFETY FASTENING FOR HAMMER HANDLES.

APPLICATION FILED OCT. 10, 1902.

NO MODEL.



Witnesses

Clifton C. Griggs
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UNITED STATES PATENT OFFICE.

FREDERICK STRAUB, OF FLATIRON, SOUTH DAKOTA.

SAFETY-FASTENING FOR HAMMER-HANDLES.

SPECIFICATION forming part of Letters Patent No. 720,297, dated February 10, 1903.

Application filed October 10, 1902. Serial No. 126,796. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK STRAUB, a citizen of the United States, residing at Flatiron, in the county of Lawrence and State of South Dakota, have invented a new and useful Safety-Fastening for Tool-Handles, of which the following is a specification.

My invention relates to the manner of fastening a handle in a tool in which the handle passes through an eye in the tool; and the object of my improvement is to supply a safety-fastening which will prevent the said handle from slipping out of the eye of said tool. I attain this object by means of the simple device illustrated in the accompanying drawings, in which—

Figure 1 is a side view of a handle in a tool, showing my safety-fastening applied; and Fig. 2 is a cross-section of the handle with the safety fastening applied. Fig. 3 is a short bolt and nut. Fig. 4 is a rod. Fig. 5 is a clamp made to embrace the tool-handle. Fig. 6 is an end view, and Fig. 7 is a side view, of a tool-eye.

As will be seen, my device consists of three separate parts, and, as illustrated, A is a short bolt with a nut by means of which the rod B is attached to the clamp C. The manner in which they are attached to the tool and handle is plainly set forth in the drawings, and may be described as follows: In the side of the tool a hole is first drilled through from the outside into the opening in the tool made for the handle, commonly called the "eye," and countersunk, (marked *f* in my drawings.) Parallel with the handle a groove is also cut in the tool to connect this hole *f* with the outside portion of the tool, this groove being in the side of the eye and is marked *e* in the drawings.

The rod B consists of a stout wire and has one end *a* bent at right angles and the other end *b* bent into an eye with an opening at right angles to the end *a* sufficiently large to pass the bolt A through, which is then fastened to the tool by passing the end *a* through the hole *f* from the inside outward and allowing the wire to then nest along the groove *e* in the side of the tool-eye. In this position then the end *b* is outside the tool. The handle is now driven into the tool and wedged, as is commonly the custom.

The clamp C is made to embrace the tool-handle, as in Fig. 1, and the ends bent upright until the openings *d* and *d* are in a straight line with the eye *b*. Through all of said openings the bolt, Fig. 3, is inserted, and the parts are drawn together by means of a nut, which securely fastens the clamp to the handle.

I am aware that prior to my invention handles have been fastened to tools by driving them in and wedging the handle in the eye of the tool. I therefore do not claim this combination; but

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

The combination with a tool handle and head, of a clamp embracing the tool-handle and a wire secured at one end to the clamp and the other end bent to enter a hole in the head.

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

FRED. STRAUB.

Witnesses:

CLIFTON C. GRIGGS,
CHARLES W. PILCHER.