

F. MYERS.

Improvement in Sad and Polishing Irons.

No. 133,245.

Patented Nov. 19, 1872.

Fig. 1

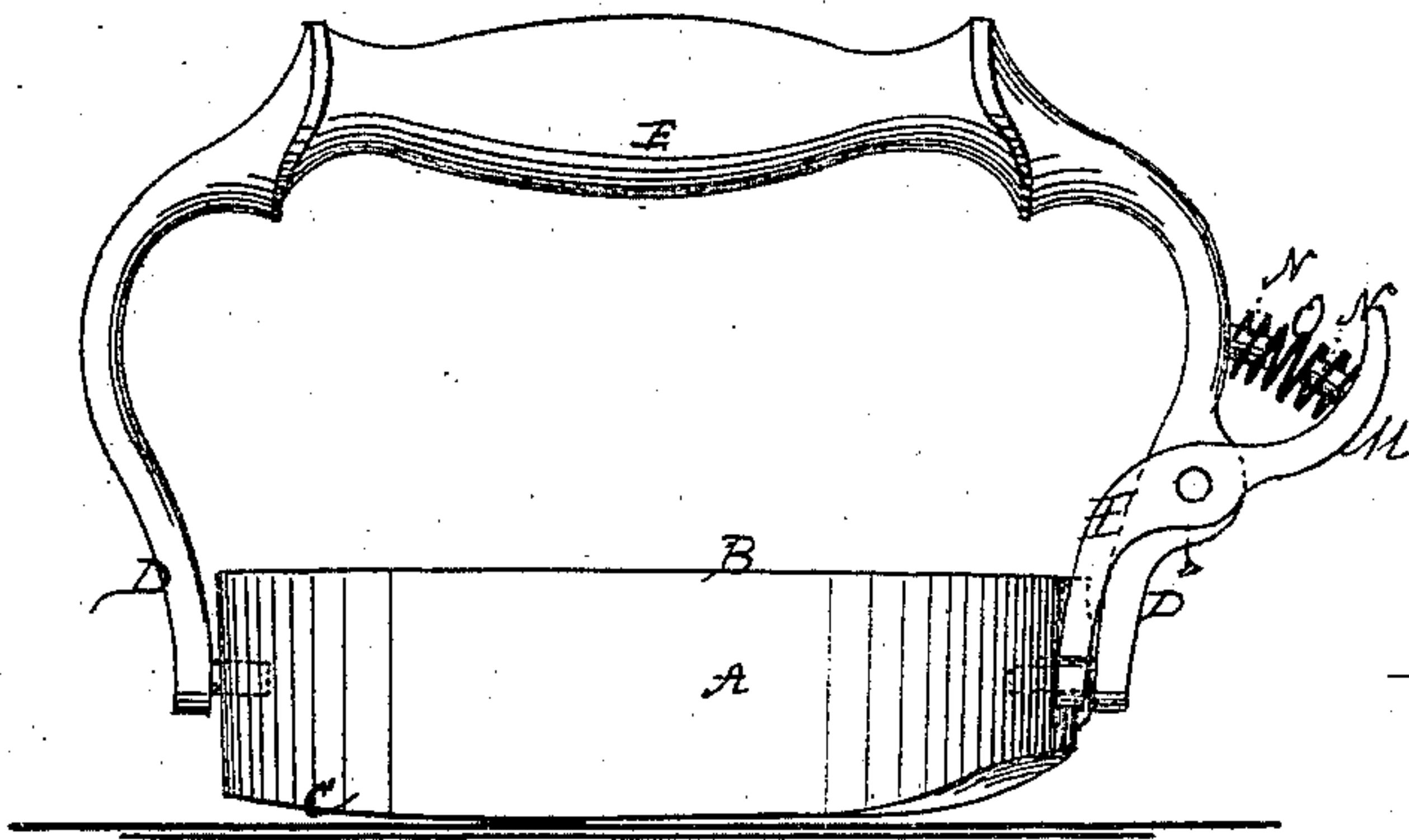


Fig. 2

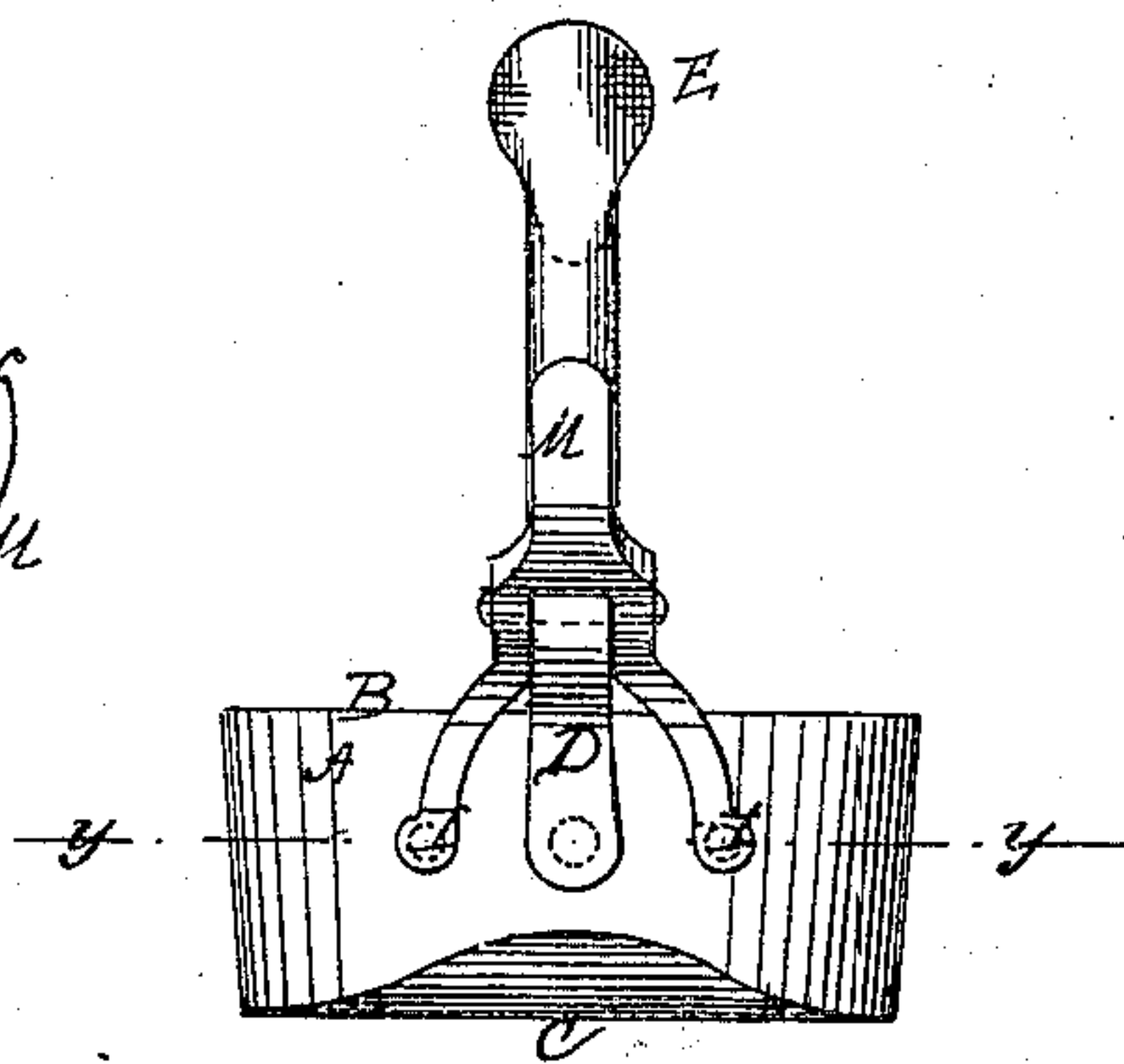


Fig. 3

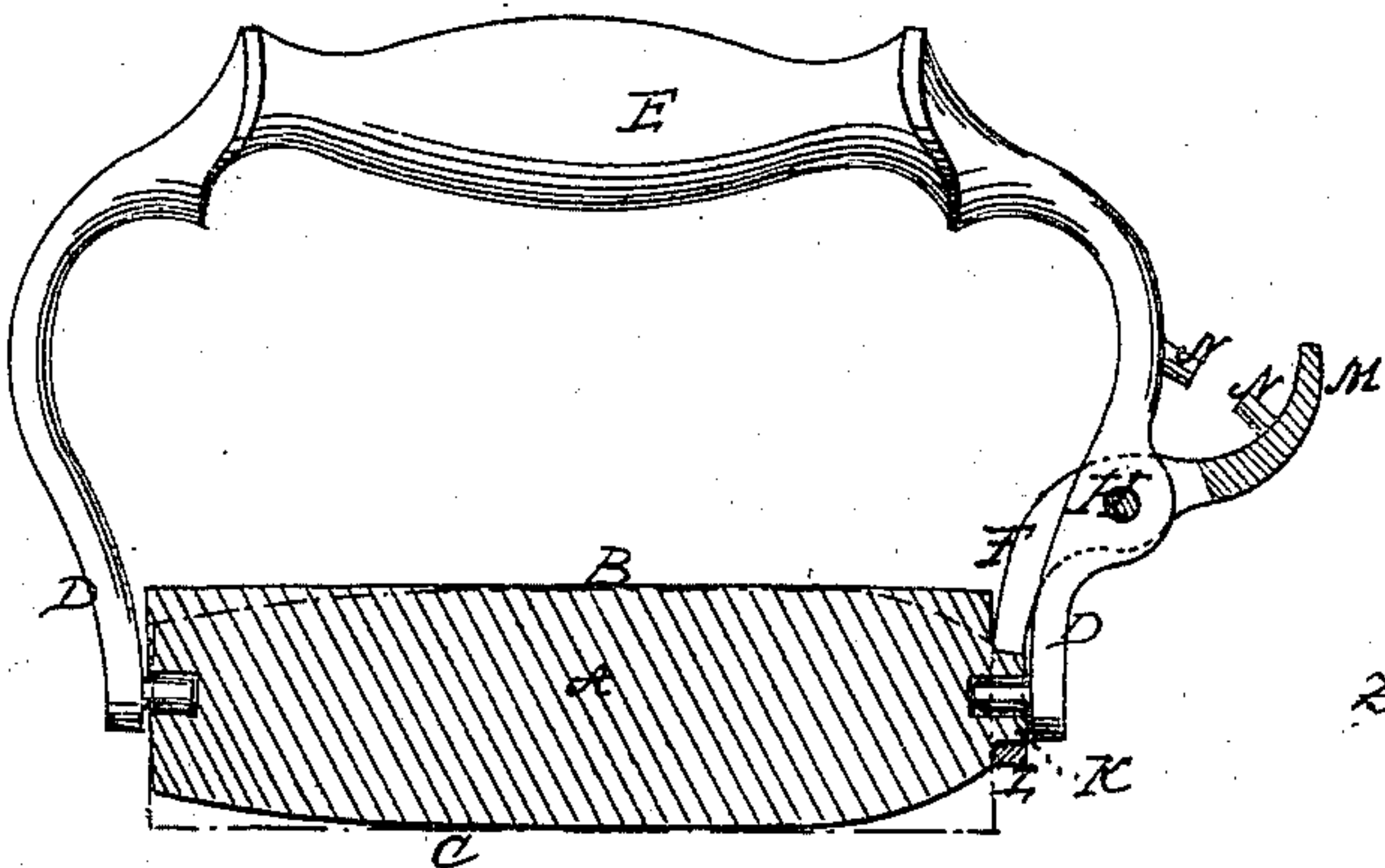


Fig. 4

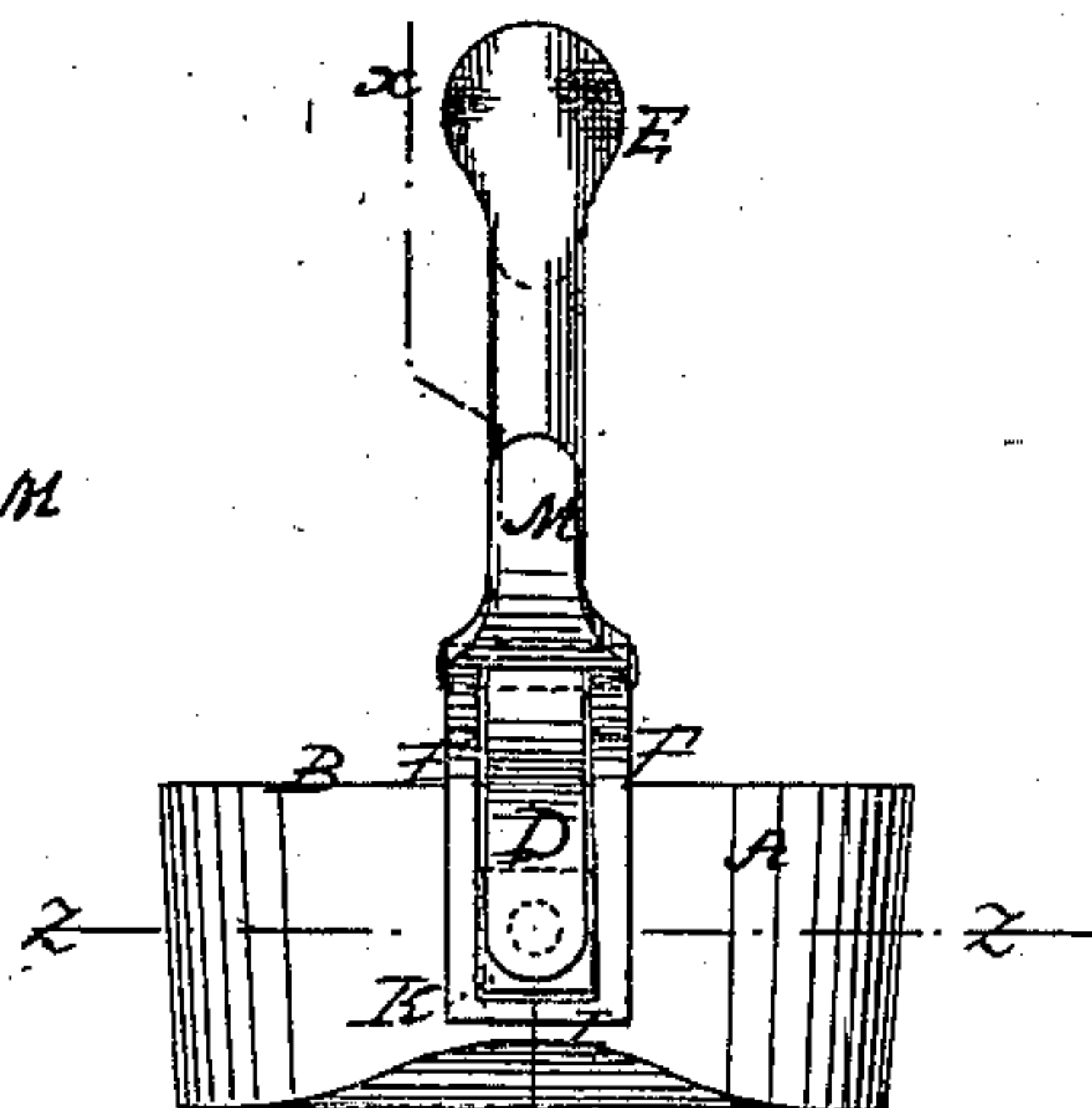


Fig. 5

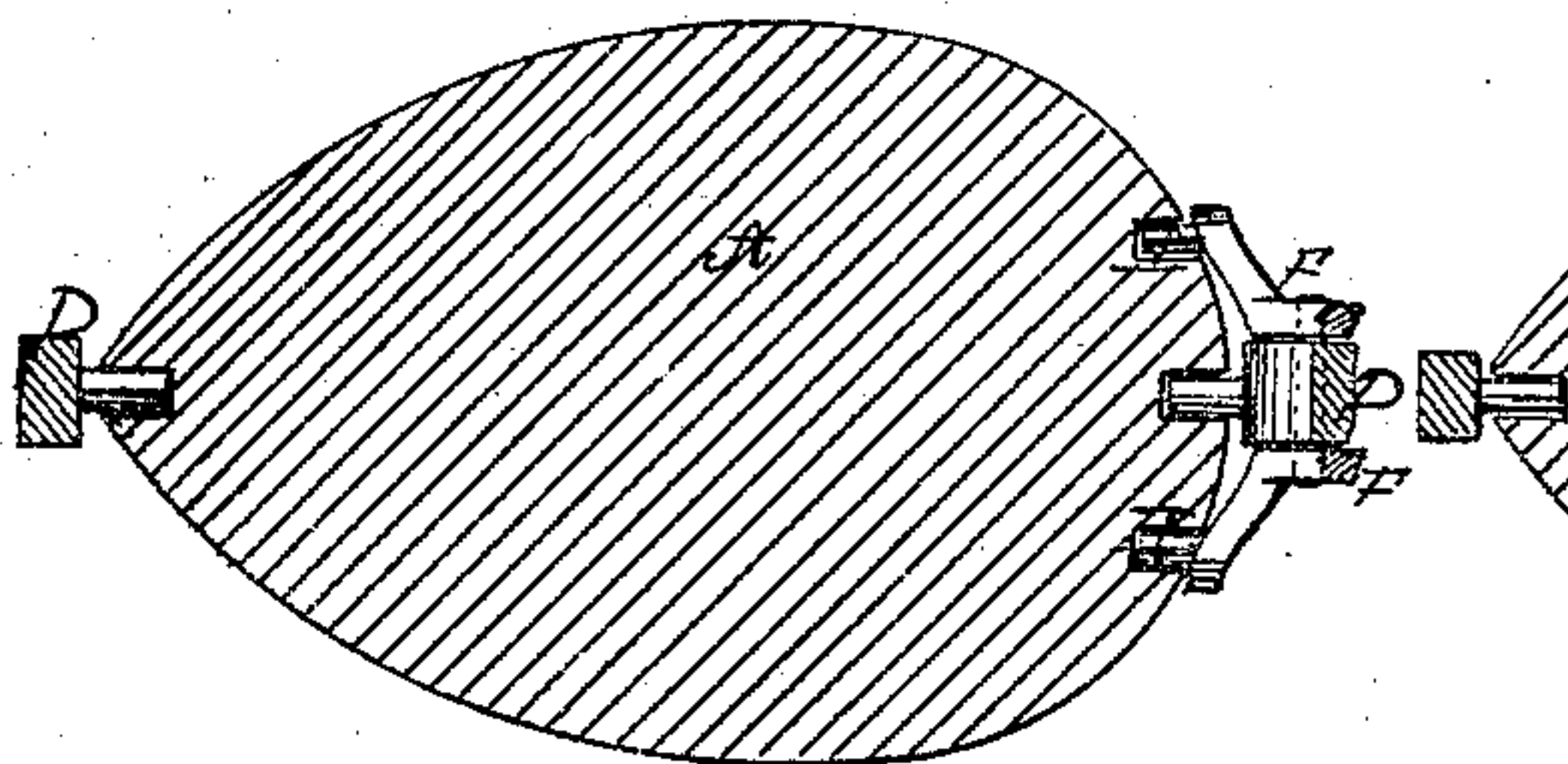
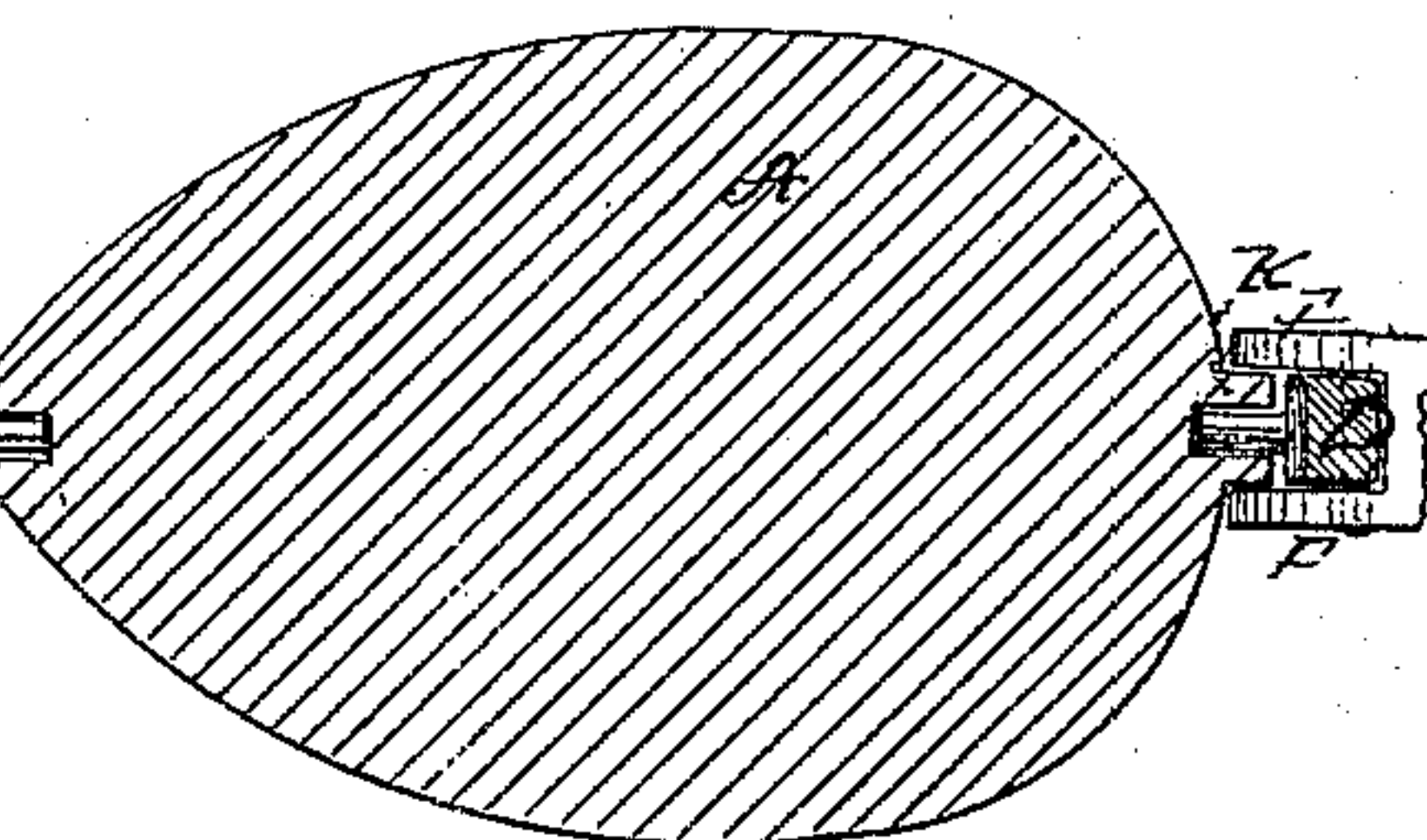


Fig. 6



Witnesses:  
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# UNITED STATES PATENT OFFICE.

FREDERICK MYERS, OF NEW YORK, N. Y.

## IMPROVEMENT IN SAD AND POLISHING IRONS.

Specification forming part of Letters Patent No. 133,245, dated November 19, 1872.

*To all whom it may concern:*

Be it known that I, FREDERICK MYERS, of New York city, in the county and State of New York, have invented certain new Improvements in Reversible Sad and Polishing Irons, of which the following is a specification:

My invention consists of an arrangement of pawl with the iron and handle of a reversible sad and polishing iron in a novel manner calculated to facilitate the fastening and unfastening of the iron, and to hold it in a working position so as to prevent any looseness or oscillation of one relatively to the other when fastened together.

Figure 1 is a side elevation of my improved sad and polishing iron; Fig. 2 is an end elevation, showing the pawl in one form; Fig. 3 is a sectional elevation taken on the line *x x*; Fig. 4 is an end elevation, showing the pawl in another form; Fig. 5 is a horizontal section taken on the line *y y* of Fig. 2; and Fig. 6 is a horizontal section taken on the line *z z* of Fig. 4.

A represents the iron, having an ordinary sad-iron face, B, on one side, and an oval smoothing-face, C, on the other side. One end is pointed similarly to the common sad-iron. The other end is constructed on a more regular curve. It is pivoted at the extremities to the ends D of the handle E, which is similar in form to the ordinary handle of a sad-iron. At the curved end of the iron a crotched pawl or dog, F, is pivoted to the handle D to engage the iron by means of pins I

at the extremities of the forks entering holes formed in the end of the iron, or by the said forks embracing a plain-sided projection, K, on the iron surrounding the pivot, the forks being connected at the extremities by a cross-bar, L, to prevent them from spreading. Above the pivot H the forks unite in a thumb-piece, M, projecting outward from the handle, also upward, so that it may be actuated by the thumb for unfastening the iron while the handle E is held in the hand. A stud-pin, N, is formed on the pawl, and another on the handle in such manner as to hold the spiral spring O between the handle and the pawl by entering the spring at the ends, as clearly shown in Fig. 1. This spring is for keeping the pawl engaged with the iron. The pawl, the handle, and the iron are all formed by casting, and the holes for the pivot and the stud-pins I. Also, the holes for the pivot H may be formed by casting, if preferred, so that no finishing is required in putting the parts together except the fastening for the pivot.

I claim as my invention—

The combination, with the reversible sad and polishing iron and handle, pivoted together in the manner described, of the crotched pawl F and spring O, the said pawl engaging the iron by the pins I or the projection K, substantially as specified.

FREDERICK MYERS.

Witnesses:

R. A. VAN RENSSELAER,  
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