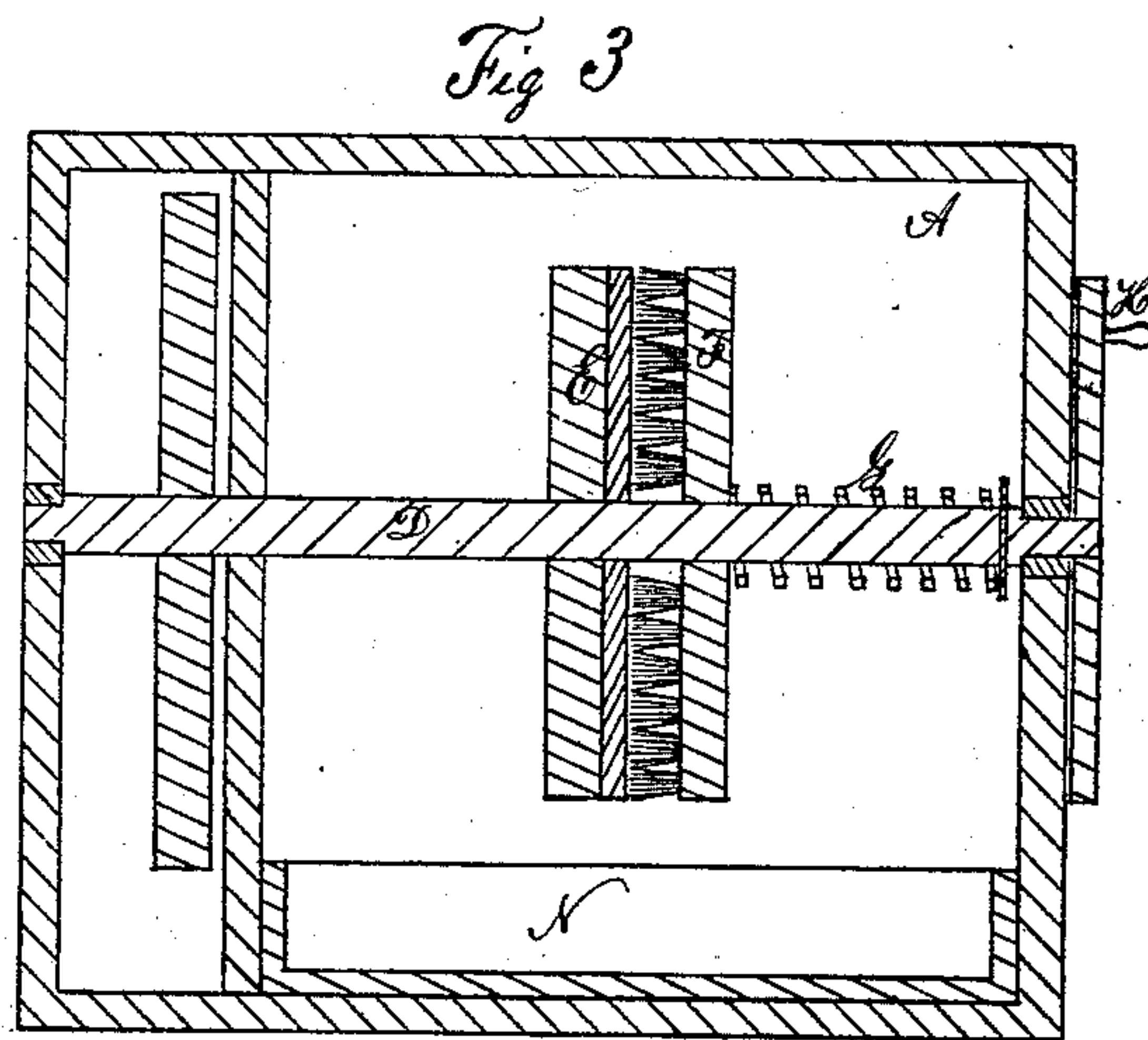
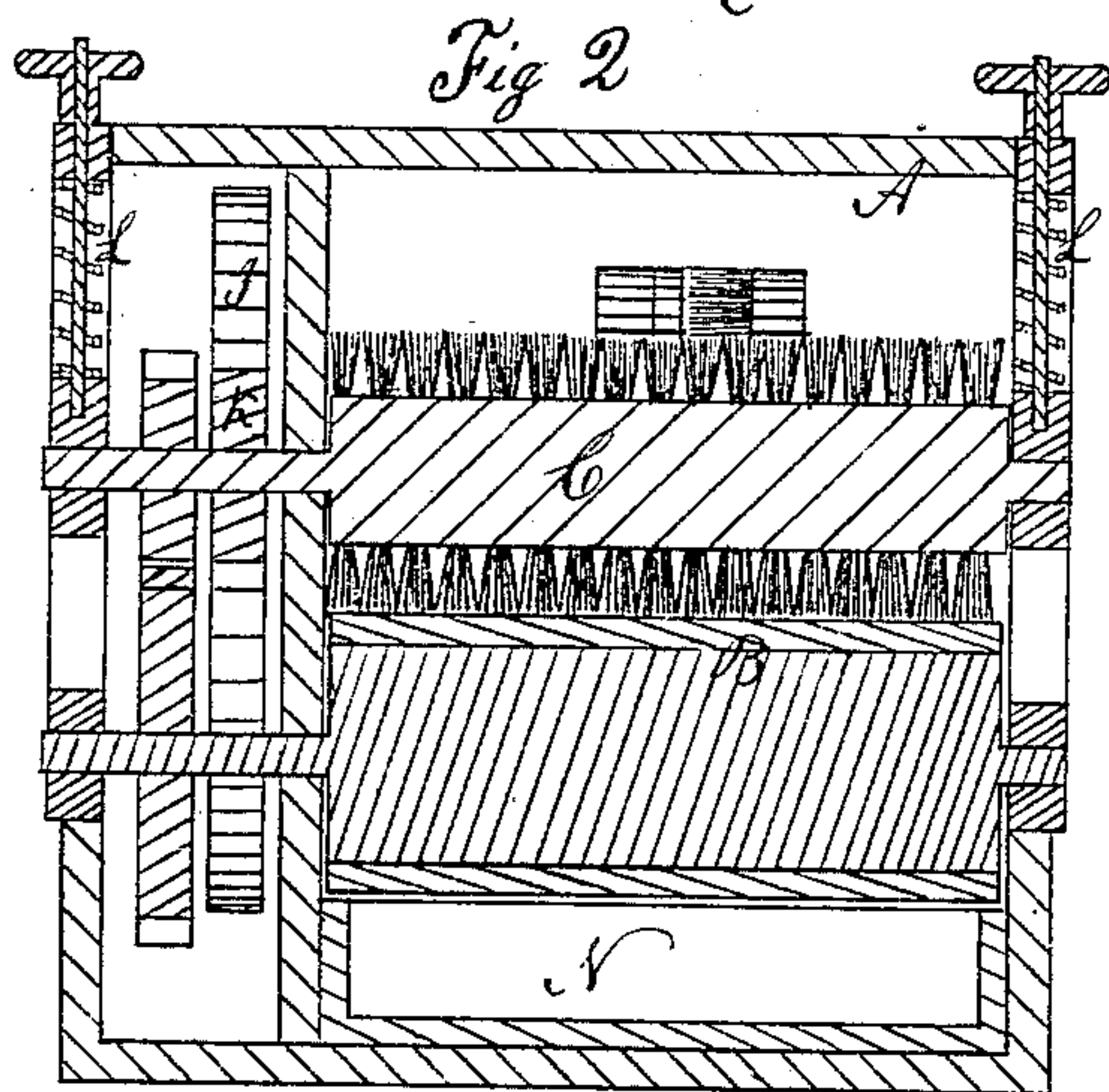
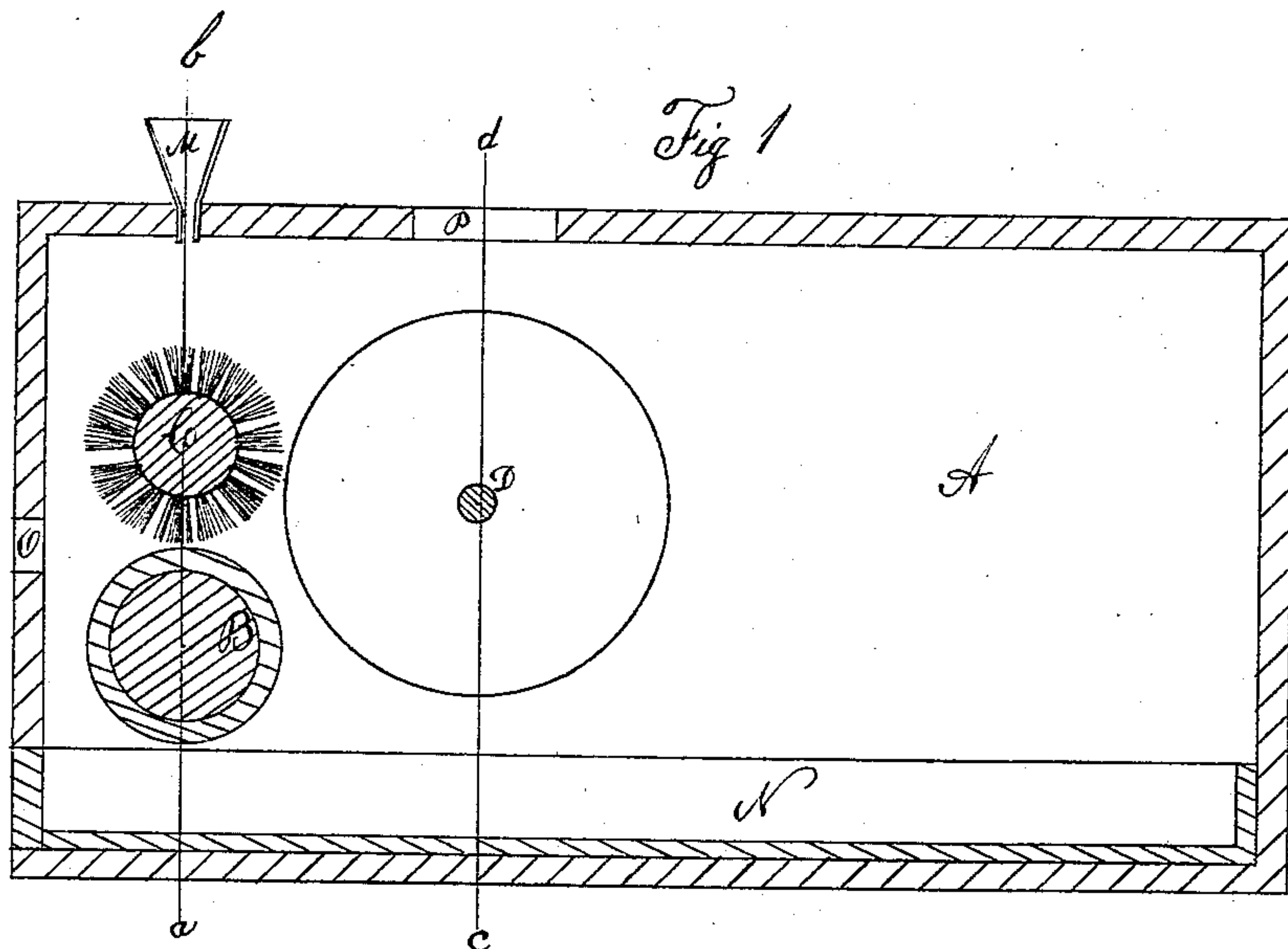


JAMES T. BARNSTEAD.

Improvement in Knife-Cleaners.

No. 126,172.

Patented April 30, 1872.



Witnesses
O. C. Smith
J. W. Ludcomb

Inventor
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att'y

UNITED STATES PATENT OFFICE.

JAMES T. BARNSTEAD, OF PEABODY, MASSACHUSETTS.

IMPROVEMENT IN KNIFE-CLEANERS.

Specification forming part of Letters Patent No. 126,172, dated April 30, 1872.

Specification describing certain Improvements in Knife-Cleaners, invented by JAMES T. BARNSTEAD, of Peabody, in the county of Essex and State of Massachusetts.

My invention relates to an improved method of cleaning knives and forks by means of combined brush and cork rolls and plates, mounted and arranged to revolve in a suitable box, and provided with means for distributing the polishing material over and between the rolls.

In the drawing, Figure 1 represents a longitudinal section of the apparatus. Fig. 2 is a section on line *a b* of Fig. 1. Fig. 3 is a section on line *c d* of Fig. 1.

Similar letters of reference indicate like parts in all the figures.

A represents a box for holding the rolls. The box may be made of wood or other suitable material. B is the cork-roll, and C the brush-roll. These rolls are geared together from the shaft D. On the shaft D is fastened a circular plate, E, which is also covered with cork, and has a corresponding plate covered with brushes, which I denominate the brush-plate F, placed opposite the cork-plate, and kept in contact with it by the spring G.

The shaft D is revolved by the crank H, and transmits motion, through the gears I and K,

to the brush and cork rolls, so that both are operated and may be used together. The pressure between the rolls B and C is made adjustable by the springs L, the brush-roll being set in adjustable boxes having a vertical movement for that purpose. The polishing-powder used is introduced through the hopper M, and the surplus powder falls into the drawer N, from which it may be taken and used over again, if desired.

The knife to be polished is introduced between the rolls B and C through the opening O in the end of the box, and to the plates E and F through the opening P in the top of the box.

The plates E and F are especially designed for cleaning forks, for which they are better adapted than the rolls.

I claim as my invention—

In an apparatus for cleaning knives, the combination of the plates E F and rolls B C, operating together by the means and in the manner for the purpose set forth.

JAMES T. ^{his} + BARNSTEAD.
mark.

Witnesses:

J. A. BASSETT,
I. R. NICHOLS.