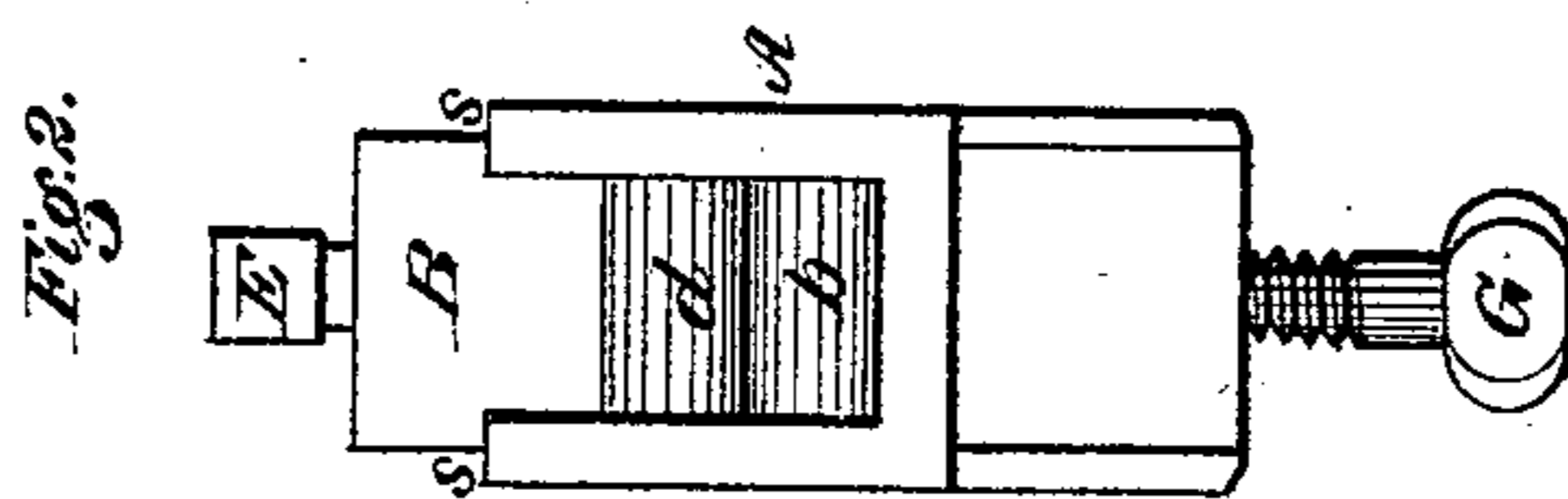
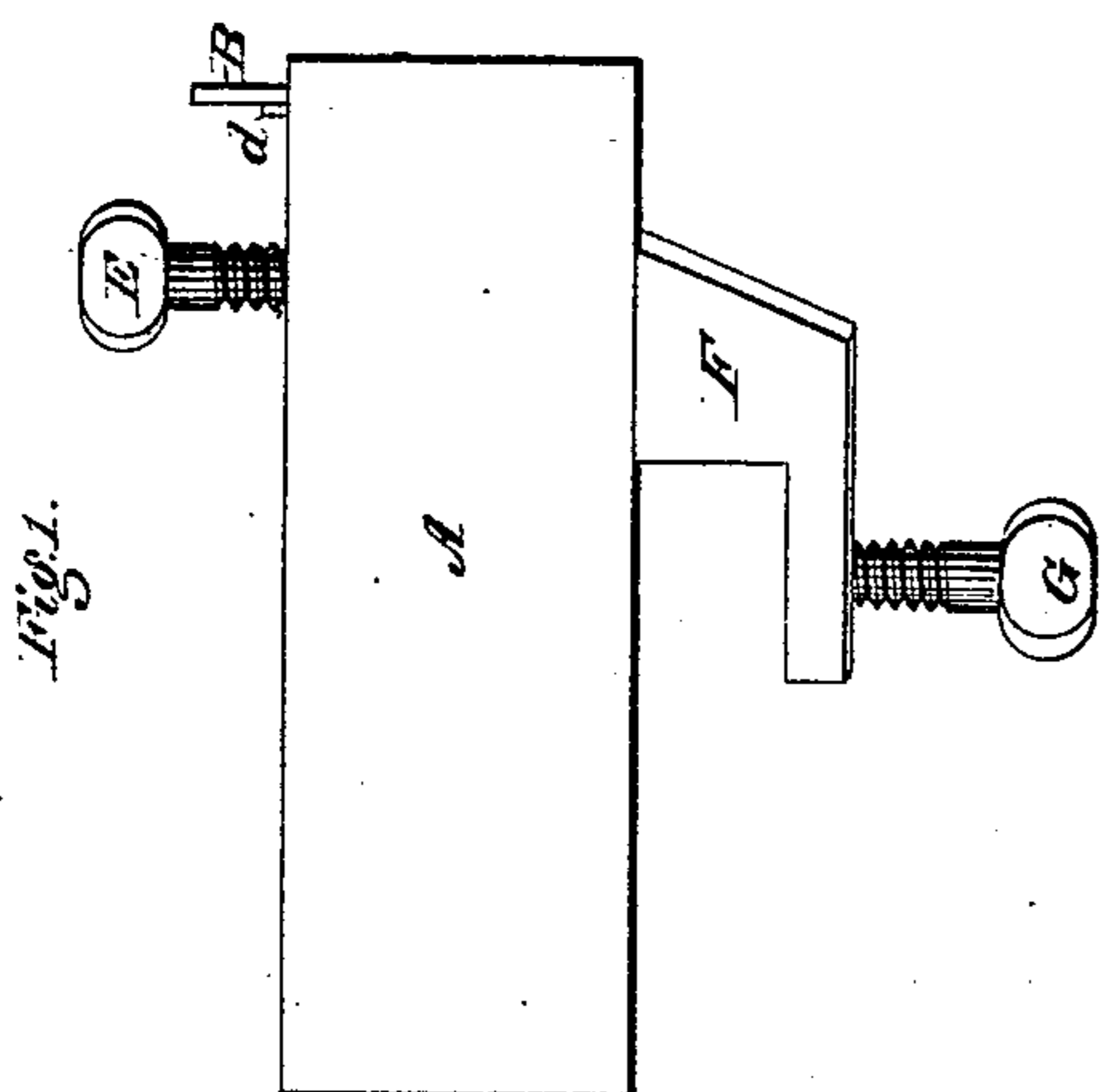
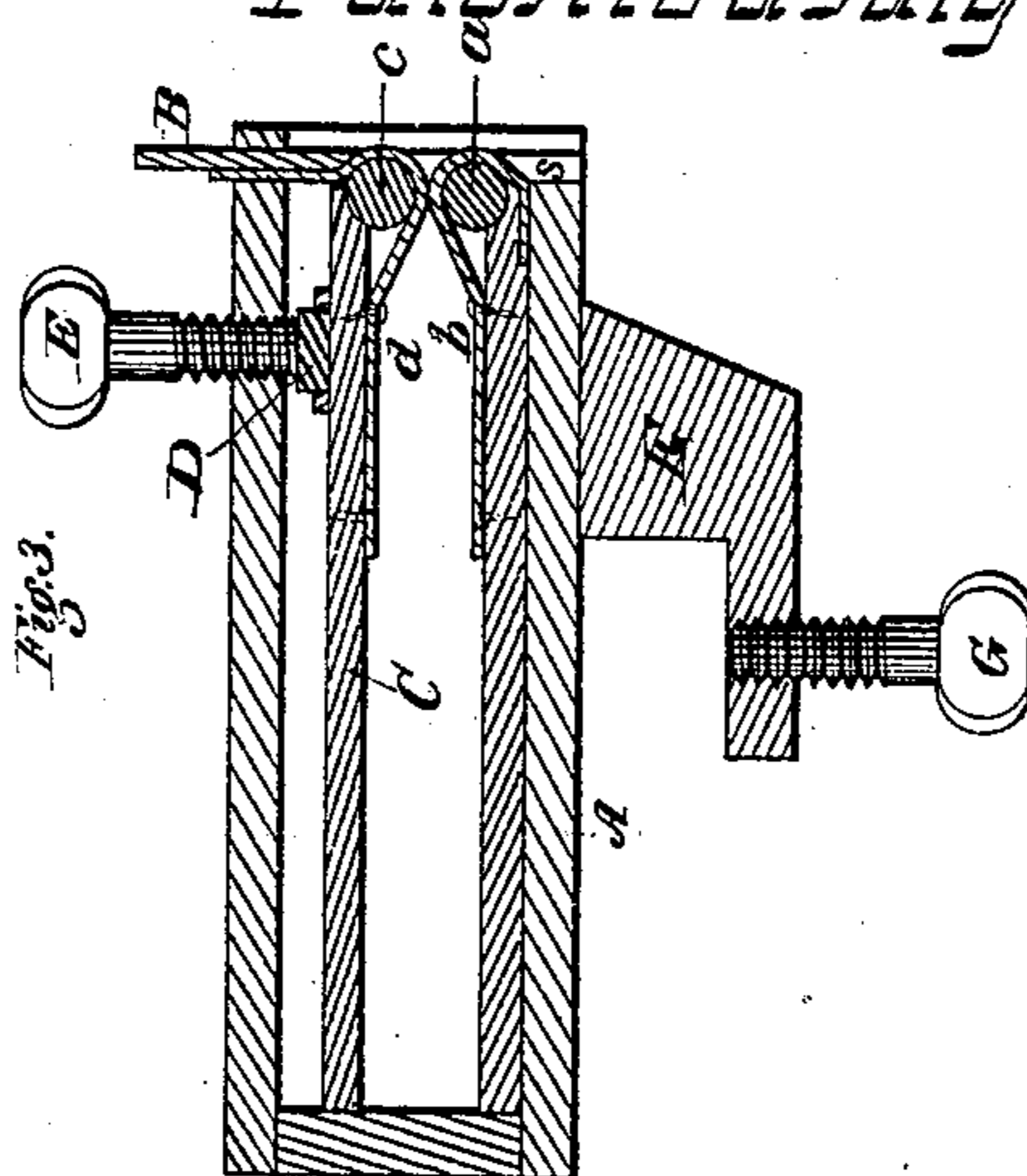
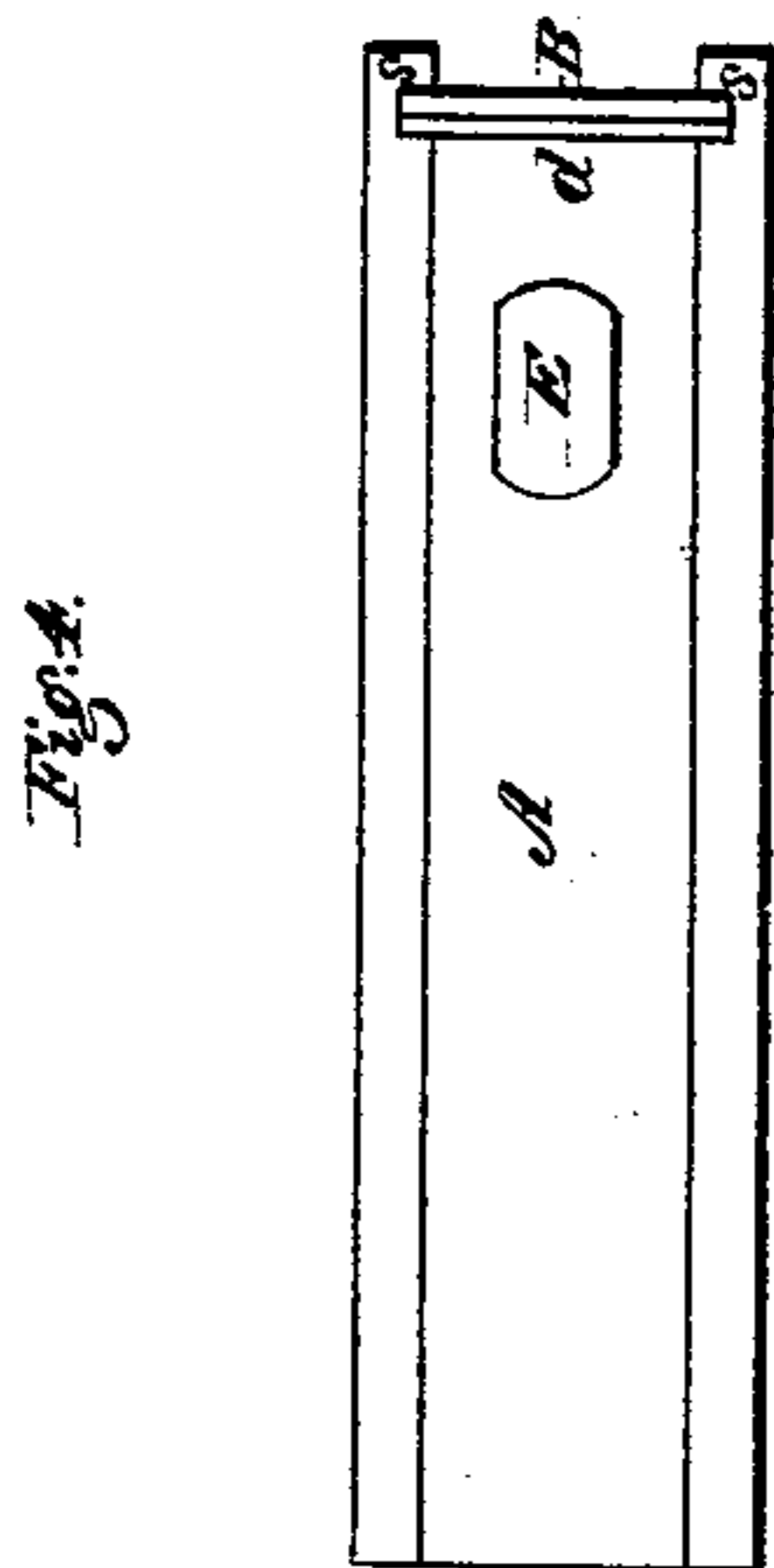


C. F. Dean,
Knife Cleaner.

N^o 67,169.

Patented July 30, 1867.



Witnesses:
Geo. H. Andrews
Levin H. Miller

Inventor:
Chester F. Dean.
by his attorney,
R. W. Wadsworth

United States Patent Office.

CHESTER F. DEAN, OF ST. JOHNSBURY, VERMONT, ASSIGNOR TO HIMSELF AND JOHN S. PARKER, OF THE SAME PLACE.

Letters Patent No. 67,169, dated July 30, 1867.

IMPROVED KNIFE-CLEANER.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL PERSONS TO WHOM THESE PRESENTS MAY COME:

Be it known that I, CHESTER F. DEAN, of St. Johnsbury, in the county of Caledonia, and State of Vermont, have invented a new and useful Knife-Cleaning Machine; and I do hereby declare the same to be fully described in the following specification, and represented in the accompanying drawings, of which—

Figure 1 is a side elevation,

Figure 2 a front view, and

Figure 3 a vertical and longitudinal section, and

Figure 4 a top view of it.

In such drawings, A denotes an oblong box, open at one end, and there provided with a slide, B, to slide vertically into grooves *s s* formed at or near such end. At or near the lower part of such end is an India-rubber cylinder, *a*, covered with a piece of leather, *b*, the same constituting an elastic lip. Directly over the said India-rubber cylinder is another such cylinder, *c*, on which rests one end of a thin board or presser, C, which extends into the box to its rear, and has a width corresponding to or about to that of the interior of the box. A strip of leather, *d*, fastened to the board C, is carried underneath and about the cylinder *c*, and extends upward into the grooves *s s* in which the slide B is placed, such slide being to hold the leather in place. The cylinder *c* and piece of leather *d* constitute another elastic lip. There is a block or spring, D, of India rubber, fixed on the top of the board C. A screw, E, screwed through the top of the box A, bears at its lower end against the upper surface of such spring. A clamp, F, formed and furnished with a screw, G, as shown in the drawings, may be projected from the bottom of the box A, such serving to clamp the box to a table or bench. The box, when in use, is to have emery or other suitable powdered polishing or cleaning material within the space between the board C and the bottom of the box.

In order to clean a knife, it is to be introduced between the elastic lips of the mouth of the box, and pushed forward and drawn backward several times within the mass of emery. The presser or board C will close the said mass throughout its extent upon the knife, the spring D allowing the mass to separate, as occasion may require, in order to admit the knife. The screw E serves to force the presser down upon the mass of emery in the box. In my knife-cleaner, a knife is cleaned by the mass of emery in the box, and not by the elastic lips of the mouth of the box, they being simply to keep the cleaning material within, and allow the knife a passage into the box.

I do not claim a knife-cleaner or box having a mouth and elastic lips thereto, provided with leather coverings to effect cleaning of the knife.

What I claim as my invention, is—

The combination and arrangement of the presser C and its screw E with the box A and its elastic lips, substantially as described.

I also claim the combination of the spring D with the presser C, its screw E, and the box A, having elastic lips as described.

I also claim the combination of the slide B and the grooves *s s* with the box A, the presser C, and its strip of leather *d*, applied to an India-rubber cylinder, *c*, or its equivalent, the whole being substantially as specified.

CHESTER F. DEAN.

Witnesses:

R. H. EDDY,

F. P. HALE, Jr.