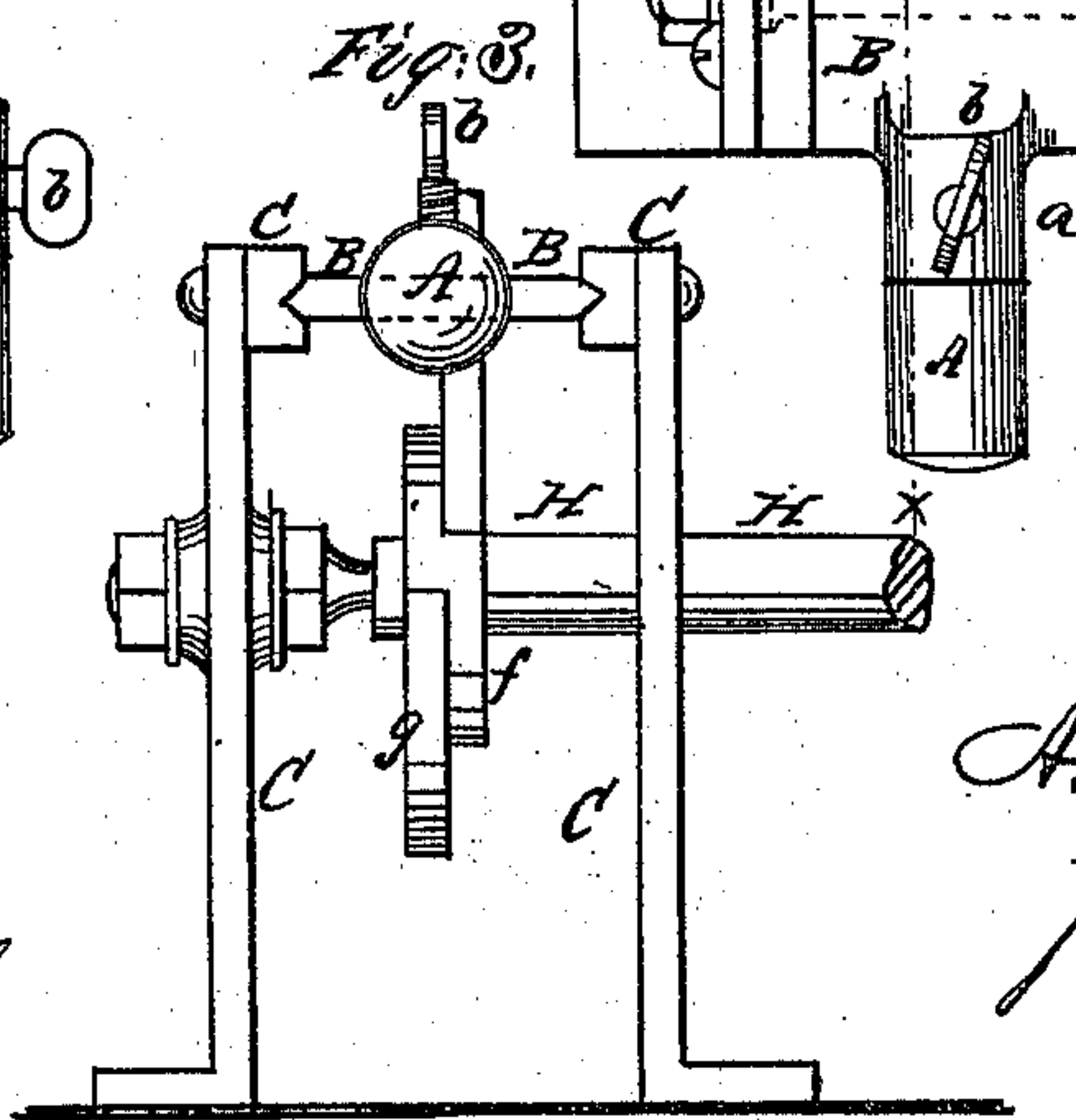
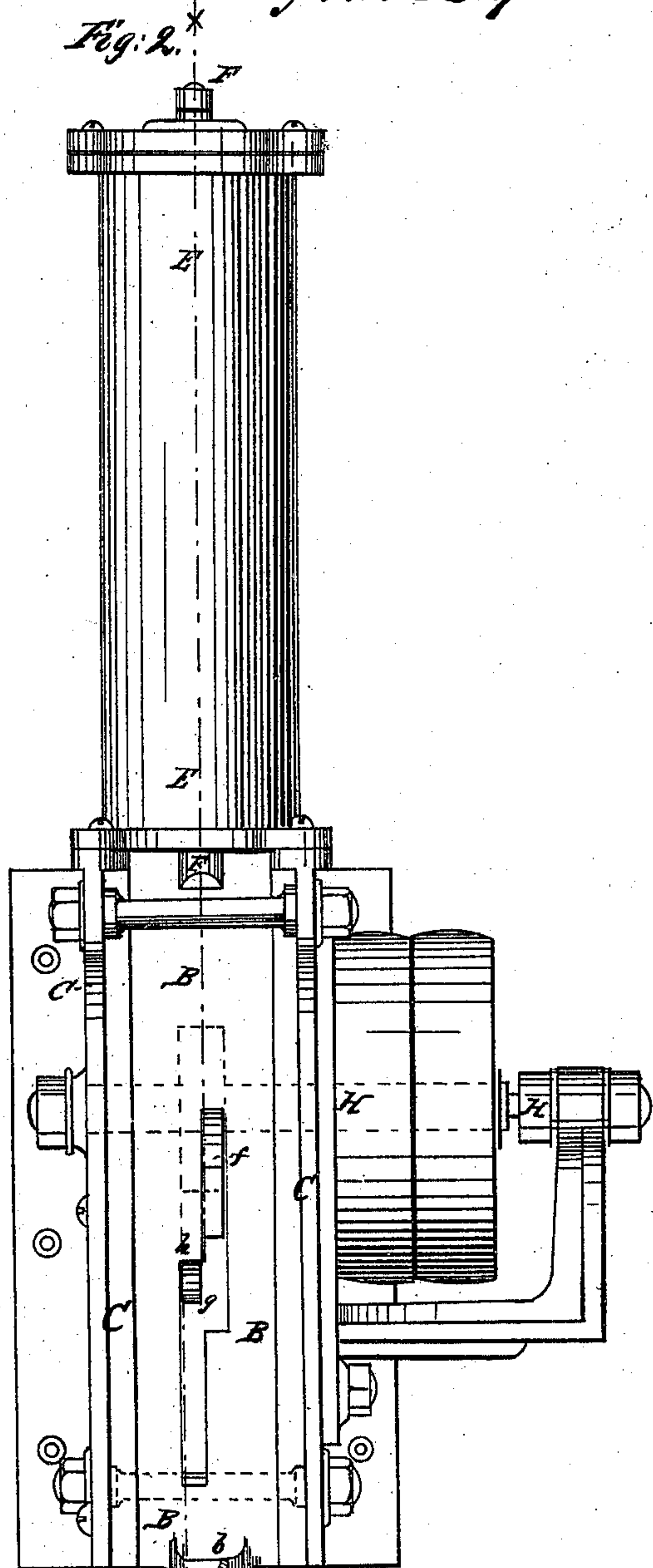
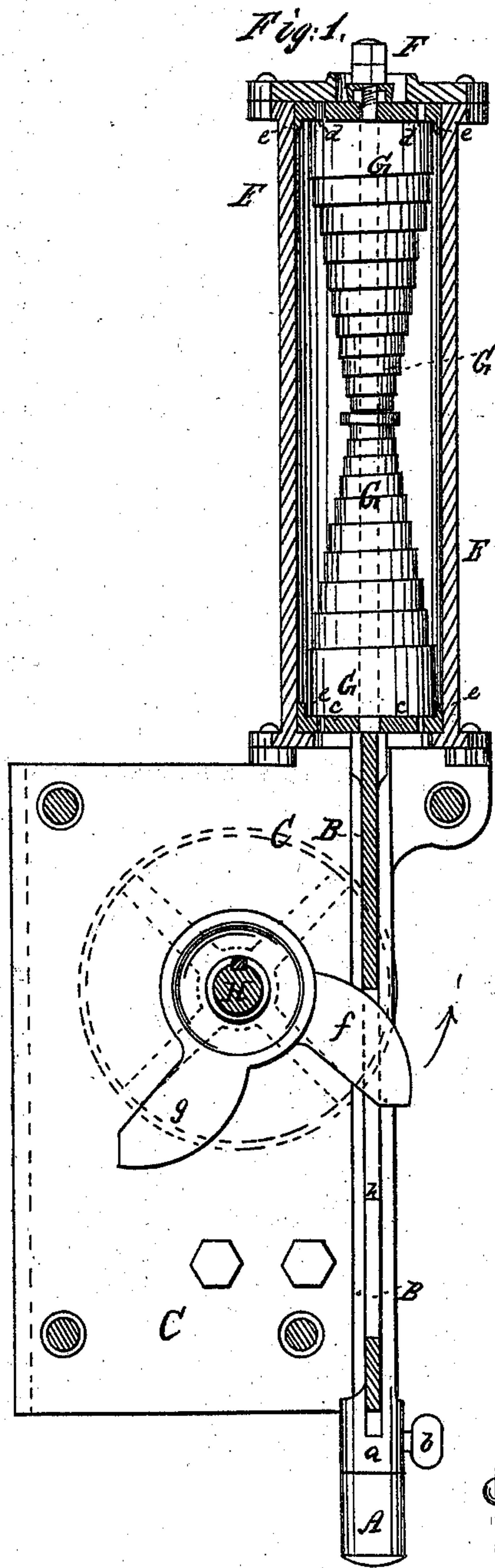


A. Rohrbeck.
Mach's for Stamping Lace Paper
N^o 89945. Patented May 11, 1869.



Witnesses
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ALBERT ROHRBECK, OF NEW YORK, N. Y.

Letters Patent No. 89,945, dated May 11, 1869.

APPARATUS FOR STAMPING LACE-PAPER.

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, ALBERT ROHRBECK, of the city of New York, in the county and State of New York, have invented a new and improved Machine for Stamping Lace-Paper; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing, forming part of this specification, in which—

Figure 1 represents a vertical section of my improved lace-paper stamping-machine, taken on the plane of the line *x-x*, fig. 2.

Figure 2 is a front elevation of the same.

Figure 3 is an inverted plan view, partly in section, of the same.

Similar letters of reference indicate corresponding parts.

This invention relates to a new machine for stamping the perforated lace-paper used by confectioners, cigar-makers, and others.

Such paper has heretofore been perforated by a steel cutting-tool, which was struck by hand, to cut at once through a number of sheets, it requiring many strokes of the hammer before the whole cutting-face of the tool was made to act.

The invention consists in providing certain machinery for dropping a hammer upon the cutting-plate, so that quicker action, with greater accuracy and neatness, can be produced.

A composition-hammer, A, made of a soft metal, is fastened to a sliding plate, B, which works between two vertical guide-plates C C, that are stationary, attached to a suitable frame.

The edges of the plate B are V-shaped, and fit into corresponding grooves in the plates C, as shown in fig. 3.

A socket, A, is formed on the lower end of the plate B, to receive the shank of the hammer, which can be fastened in the socket by a small set-screw, *b*.

Upon the plates C C is supported a vertical cylinder, E, with perforated upper and lower ends.

Through it is fitted a bar, F, that projects from the plate B.

Around the bar F is (directly above the lower end of the cylinder E) fitted a perforated plate, *c*, which forms the lower support for two volute springs G G, that are arranged within the cylinder, around the bar F, as shown.

A perforated plate, *d*, is fitted loosely around the bar F, directly below the upper head of the cylinder.

The plates *c* and *d* have inwardly-projecting flanges *e e*, which retain the larger ends of the springs, as shown, to prevent the same from being caught between the edges of said plates and the cylinder.

When the plate B is raised, the plate *c* will compress the springs into a very short upper part of the cylinder, and these springs will force the plate and hammer down with great force upon the steel cutting-plate.

The plate B has a vertical slot, with a horizontal crook in the middle, as shown in fig. 2.

K is a horizontal shaft, having its bearings in the plates C, behind the plates B, and carrying two fingers, *f* and *g*, that fit through the slot of the plate B.

When the shaft H is rotated by suitable mechanism, in the direction of the arrow 1, the finger *f* will first fit against the upper end of the slot in B, and will raise the said plate and hammer one-half its stroke. The finger *g* then catches under the middle shoulder *h* of the slot, and raises thereby the hammer, as far as required. When the end of the finger *g* leaves the shoulder *h*, the plate is released, and the springs expand, to throw the hammer down with great force.

The plates *c d* are perforated, to allow the air to escape while they are being moved together or apart.

When the hammer is worn, its shank can be released from the socket *a*, by letting the plate B work up and down without striking anything. It will then readily throw off the remaining portion of the hammer.

Having thus described my invention,

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

1. A machine for stamping lace-paper, consisting of the hammer A, slotted plate B, driving-shaft H, cylinder E, and springs G G, all arranged, combined, and operating substantially as herein shown and described.

2. The plate B, having the bent slot, when combined with the shaft H, which has the fingers *f* and *g* all arranged and operating substantially as herein shown and described.

3. The perforated plate *c*, formed on the bar F below the springs G, in combination with the perforated plate *d*, which is loose on the bar F, above the springs G, both said plates having flanges *e*, substantially as and for the purpose herein shown and described.

ALBERT ROHRBECK.

Witnesses:

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