

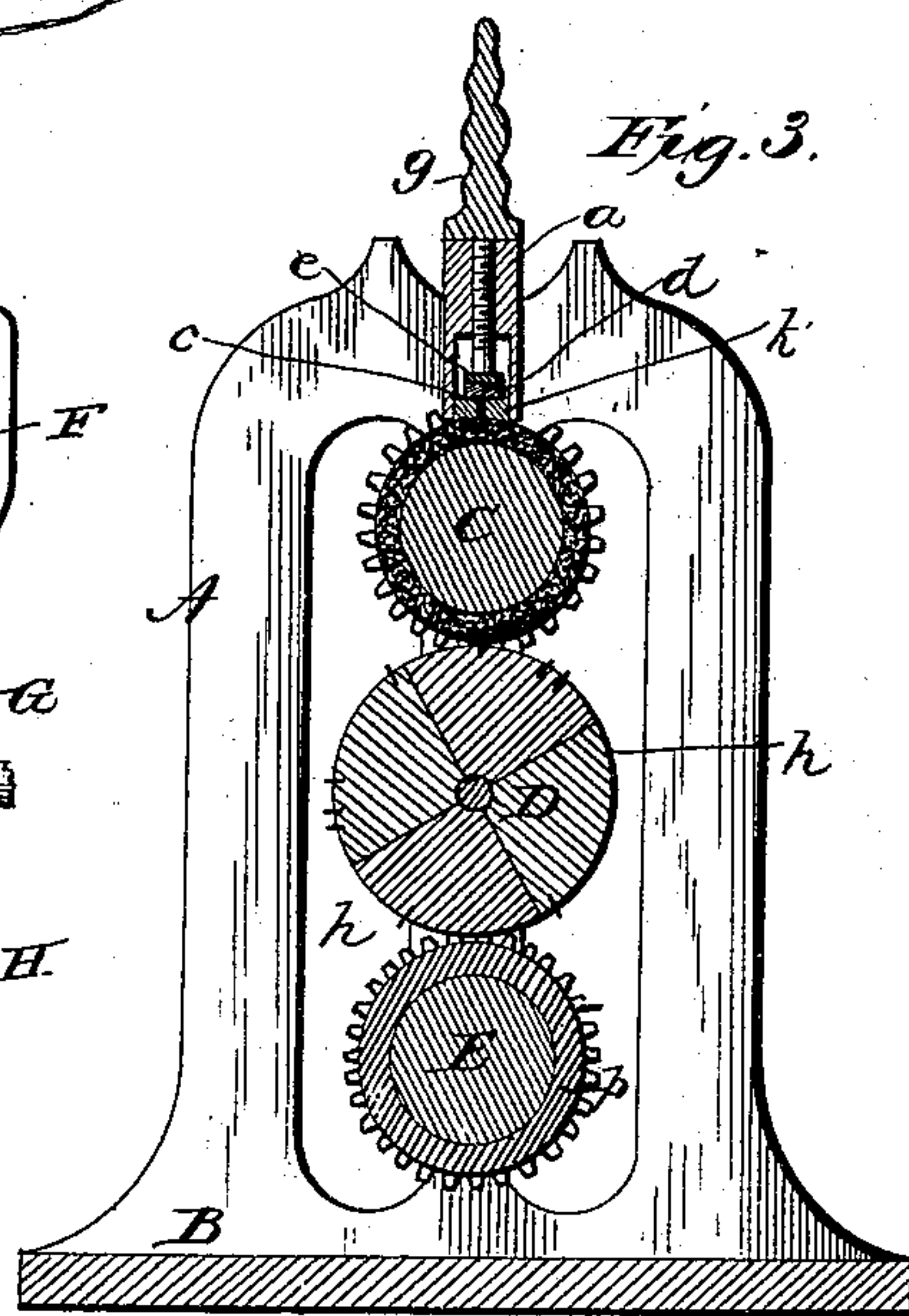
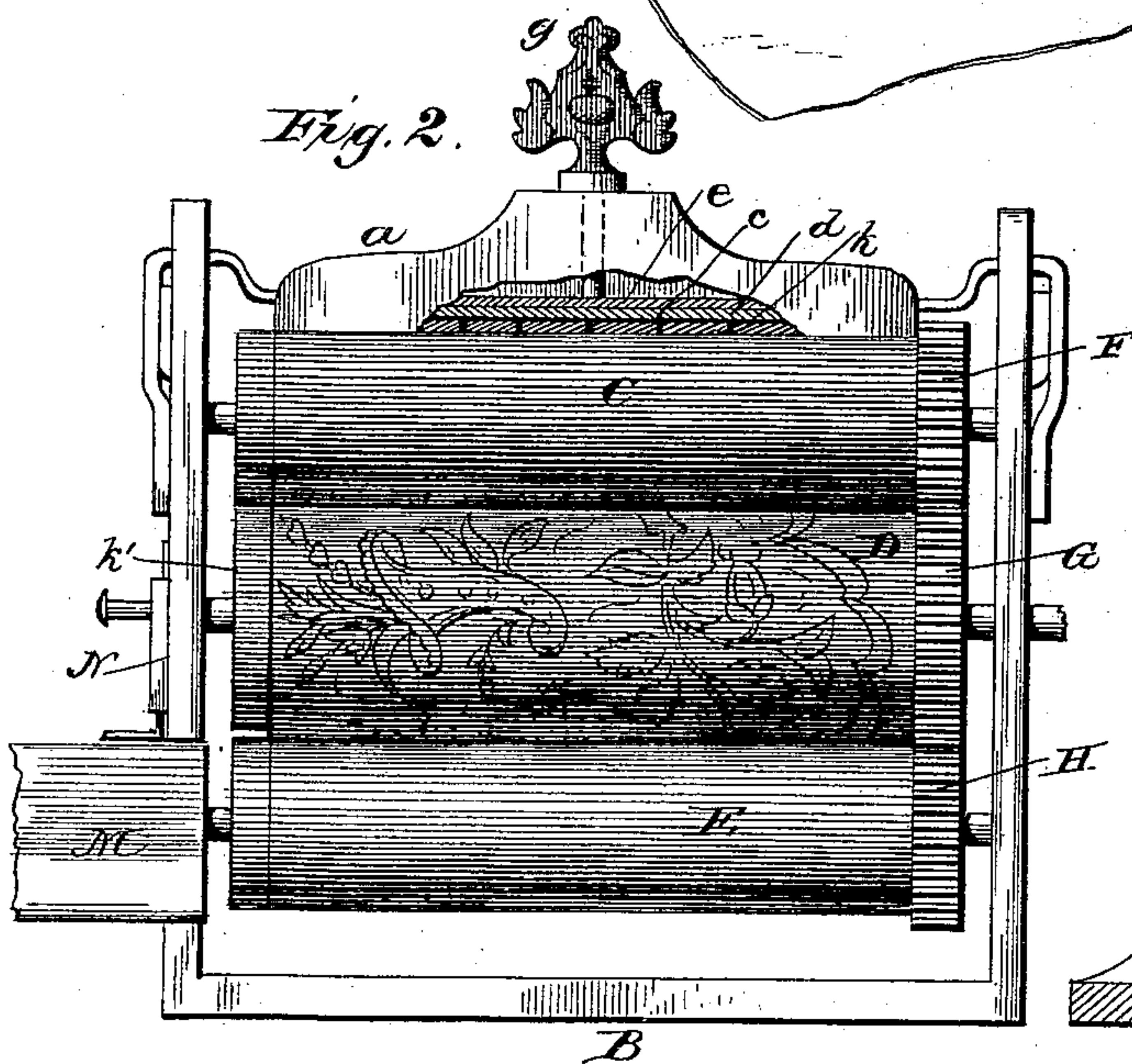
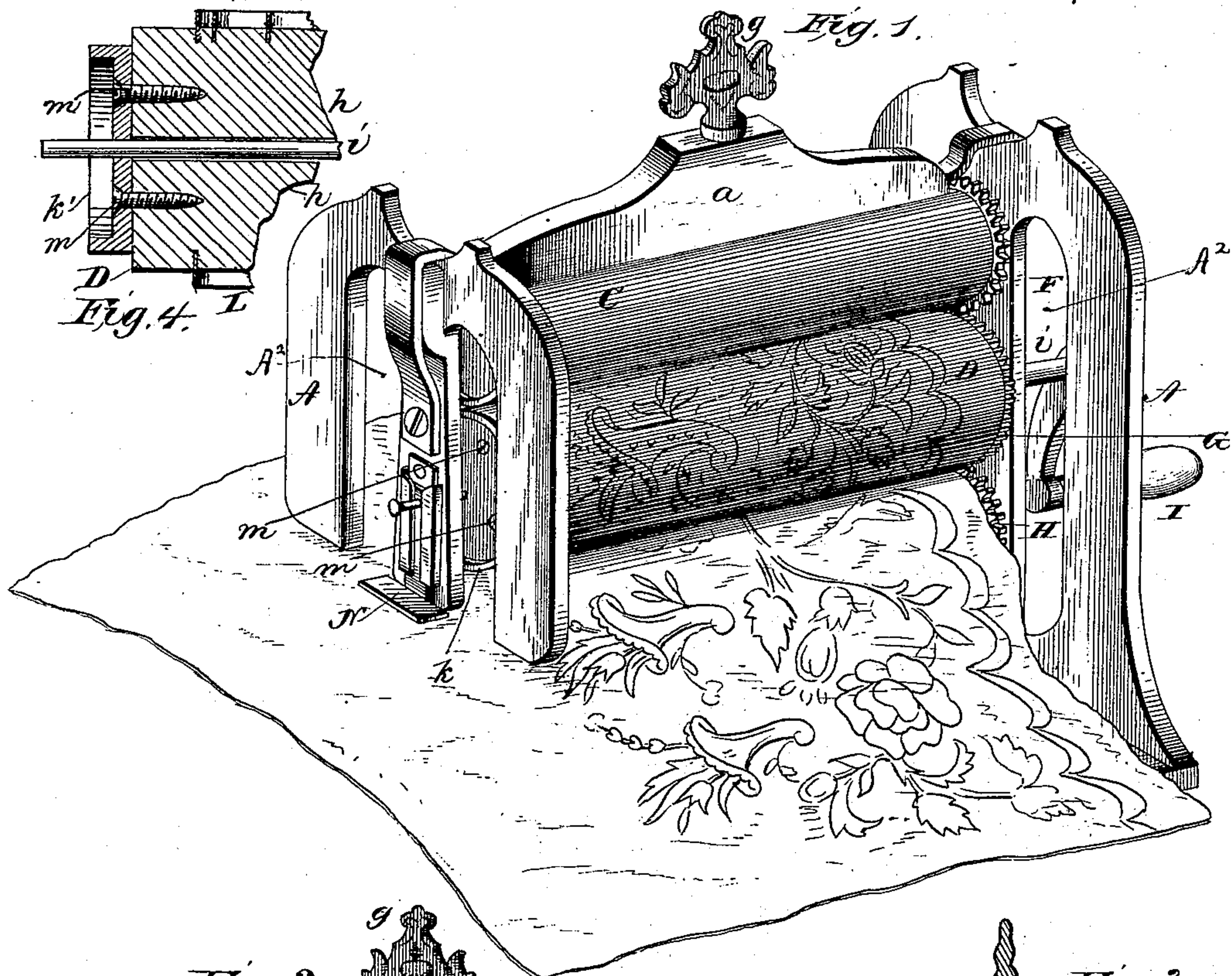
(Model.)

2 Sheets—Sheet 1.

M. C. WALLING.
STAMPING MACHINE.

No. 332,850.

Patented Dec. 22, 1885.



WITNESSES
F. L. Ourand
C. J. Quincy

Mary C. Walling INVENTOR

Attorney

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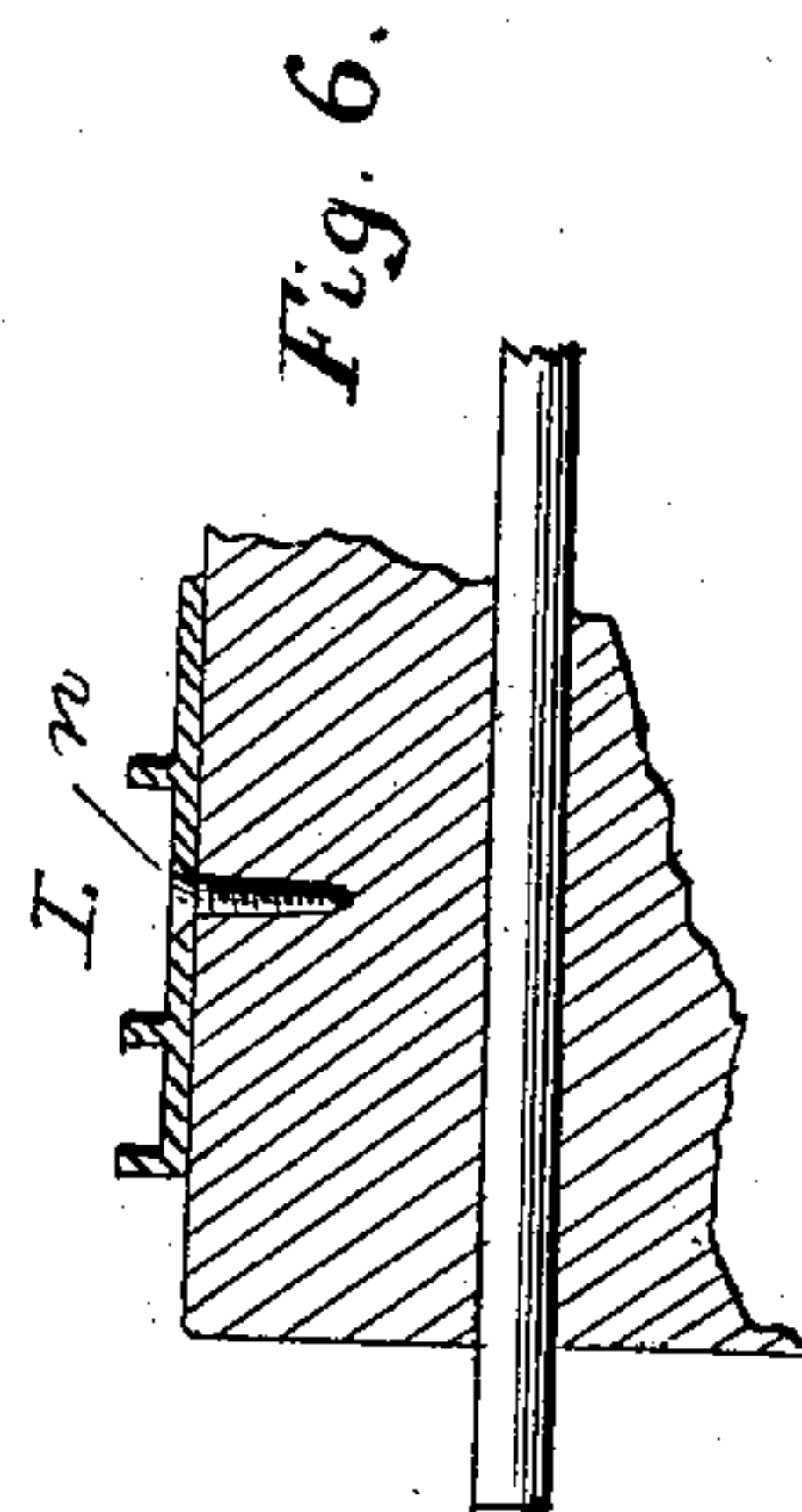
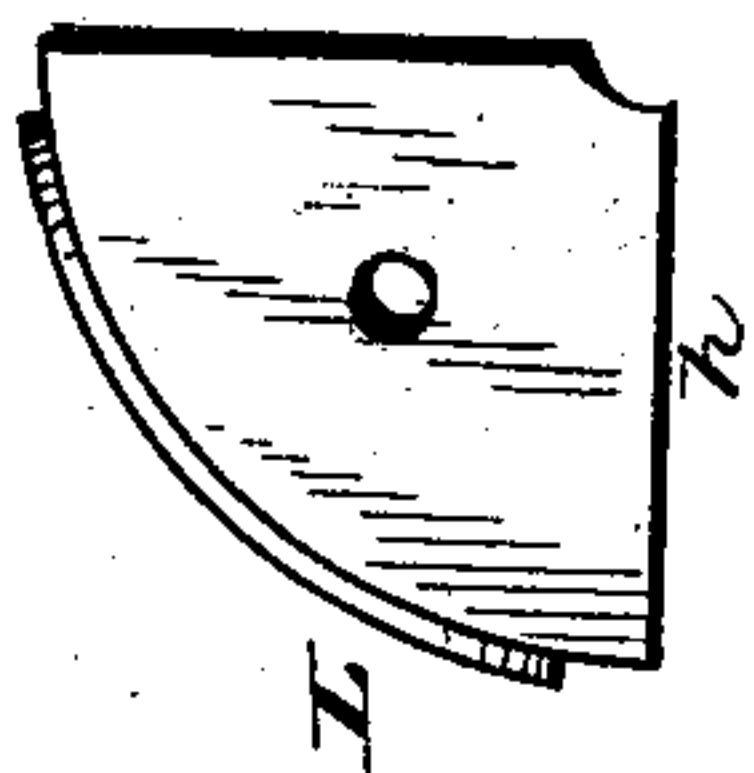


Fig. 5.



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UNITED STATES PATENT OFFICE.

MARY C. WALLING, OF WASHINGTON, DISTRICT OF COLUMBIA.

STAMPING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 332,850, dated December 22, 1885.

Application filed August 28, 1885. Serial No. 175,602. (Model.)

To all whom it may concern:

Be it known that I, MARY C. WALLING, a citizen of Texas, residing at Washington city, in the District of Columbia, have invented certain new and useful Improvements in Stamping-Machines; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention has for its objects to provide a machine by means of which goods may be stamped with designs for embroidering or other ornamental purposes in an expeditious and economical manner, as more fully hereinafter specified. These objects I accomplish by the means illustrated in the accompanying drawings, in which—

Figure 1 represents a perspective view of my improved machine, showing a piece of the goods being stamped. Fig. 2 represents a side elevation with a part broken away, showing a portion of the inking device. Fig. 3 represents a transverse sectional view of my improved machine; Fig. 4, a detached sectional view of a portion of the stamping-roller; Fig. 5, detached views of portions of the stamping-rollers carrying the impression-plates. Fig. 6 represents a detached view showing a portion of a modification of the stamping or pattern roller.

The letter A indicates a frame mounted at one end on a suitable base, B, leaving the opposite end open or free for the passage of the fabric between the pattern-roller C and the supporting-roller E, so that fabrics of any desired width may be stamped around their borders; C D E, a series of rollers having their shafts journaled in suitable bearings in the frame, as shown. These rollers, at one end, are provided with a series of intergearing cog-wheels, F G H, by which they are moved simultaneously in the proper direction, the shaft of the roller D being provided with a crank, I, by means of which it can be turned. The frame A, at each side, is provided with openings A², whereby access may be had to the screws *m* for the adjustment or removal of the sections of the pattern-roller without

disturbing their shaft or the other rollers. The upper part, *a*, of the frame A is made hollow, and immediately over the roller C is provided with a rubber bottom, K, which is perforated, as indicated by the letters *c*. Above said perforated bottom is a washer, *d*, of rubber or other suitable material, and above the washer is a metallic plate, *e*, upon which the lower end of a binding-screw, *g*, bears. The hollow portion of the cross-piece *a* is to contain ink, which flows out through the apertures in the bottom when required, the flow being cut off, when necessary, by pressing down the metal plate and washer by means of the screw, so as to close the apertures, the washer setting loosely over the apertures when the screw is elevated, so as to permit the ink to work under it and pass slowly out in the quantity required. The upper roller, C, which is the inking-roller, and which is covered with a suitable ink-pad, receives the ink from the ink-receptacle and transfers it in proper quantities to the face of the design or pattern roller D. This roller is constructed of a series of sections, *h*, segmental in cross-section, and surrounding the central shaft, *i*. The said sections *h* are confined at the ends by means of the heads *k'*, which are secured to the sections by means of screws *m*. The sections may be made of any suitable material, but, for cheapness and convenience, are preferably made of wood. To the outer surfaces or curved faces of the sections are secured the design, stamping, or printing plates L, by means of the screws *m'*, as shown in Fig. 6. These plates are constructed of any suitable material—such as tin, type-metal, or any alloy—and have the proper raised designs on their outer faces, as indicated in the respective figures of the drawings. By constructing the design or pattern roller in sections, and confining the sections between the heads *k'* by means of the screws *m*, it is evident that the character of the designs transferred to the goods may be varied indefinitely, and various combinations may be made by changing and interchanging the sections, as occasion may require, which may be readily done by removing the heads and inserting new sections, or changing the positions of the sections already in use. The lower roller, E, supports the goods, and with the assistance of the de-

sign or pattern roller carries the same properly through the machine. This roller has a slightly-yielding pad, *p*, on its surface, in order to permit the goods to readily take the impression.

At either or both sides of the machine may be arranged a table, to support the goods passing through the machine.

To the forward end of the machine, at the base, is attached a spring-support, *M*, for the goods, and above this, to the forward part of the frame *A*, is secured an adjustable presser-foot, *N*, which presses the goods against the spring, giving them the proper tension while passing through the rollers.

As above constructed, it will be seen that any description of goods, and of any width, may be continuously passed through the machine, receiving the impression of the designs rapidly and uniformly.

Having thus described my invention, what I claim and desire to secure by Letters Patent, is—

1. The combination of a frame having one side open, an impression-roller mounted in the lower part thereof, and a pattern-roller having inking apparatus above it mounted in the upper part thereof, the open end of said upper part of the frame being provided with lateral overhanging arms extending on either side of the pattern-roller and adapted to guide the fabric, substantially as described.

2. The inking and impression rollers, and a pattern-roller mounted between them, having its body made up of detachable sections secured by heads and confining-screws, in combination with the frame supporting the rollers, and having openings *A*², whereby access may be had to said screws and heads, for the adjustment or removal of said sections without disturbing their shaft or the other rollers, substantially as described.

3. In a stamping-machine, the combination, with the supporting-shaft *i*, of the detachable and interchangeable segmental sections *D*, the heads *k*, and confining-screws *m*, the whole arranged substantially as and for the purposes specified.

4. The combination, with the rollers mounted in a frame open at one end, of the spring-support and the presser-foot secured at the open end of the frame, whereby the goods are held in position while passing through the machine, substantially as specified.

5. The combination, with the inking-roller, of the ink-receptacle and washer and the metallic plate and binding-screw for controlling the flow of ink, substantially as specified.

MARY C. WALLING.

Witnesses:

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LOUIS KEESE.