

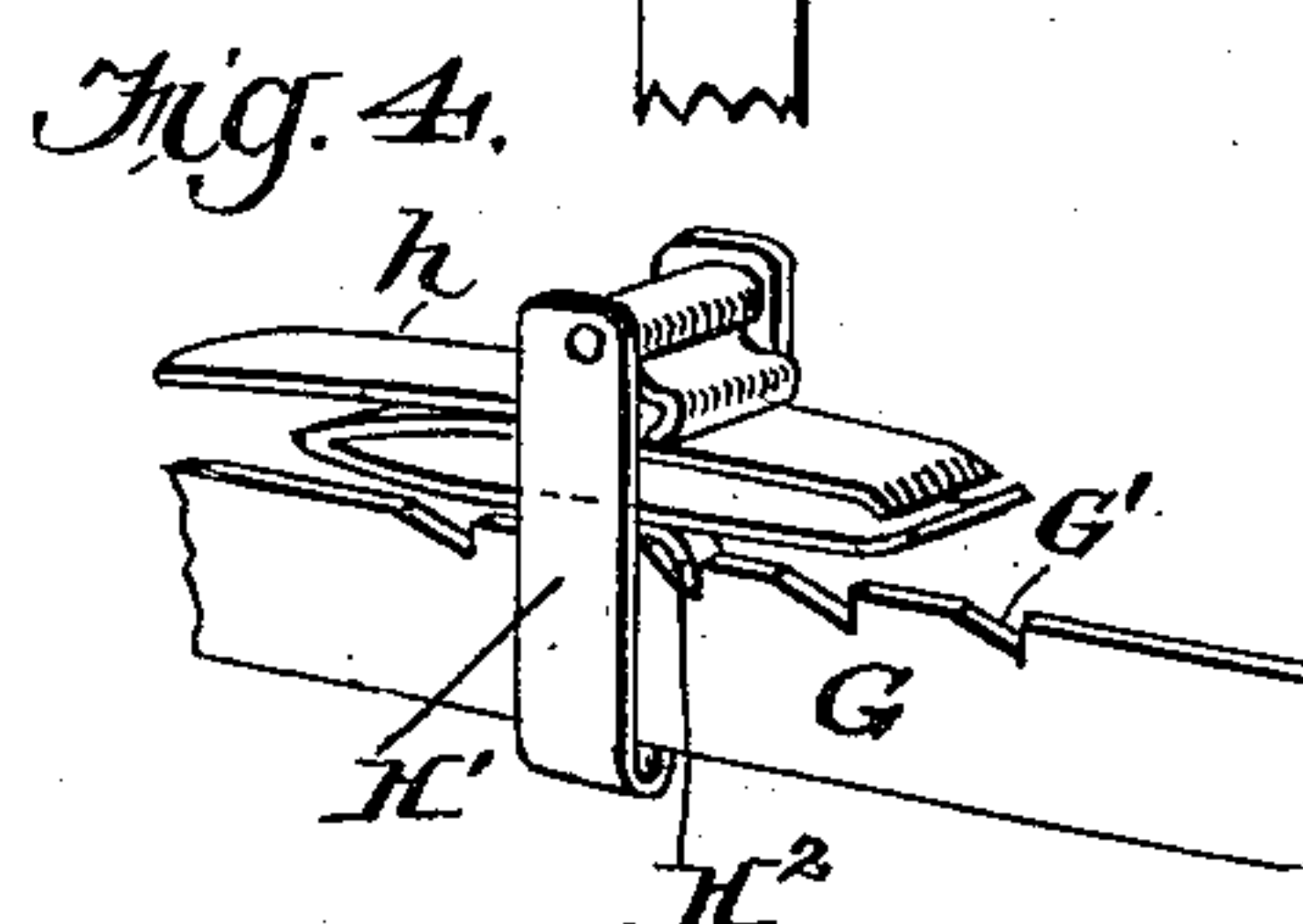
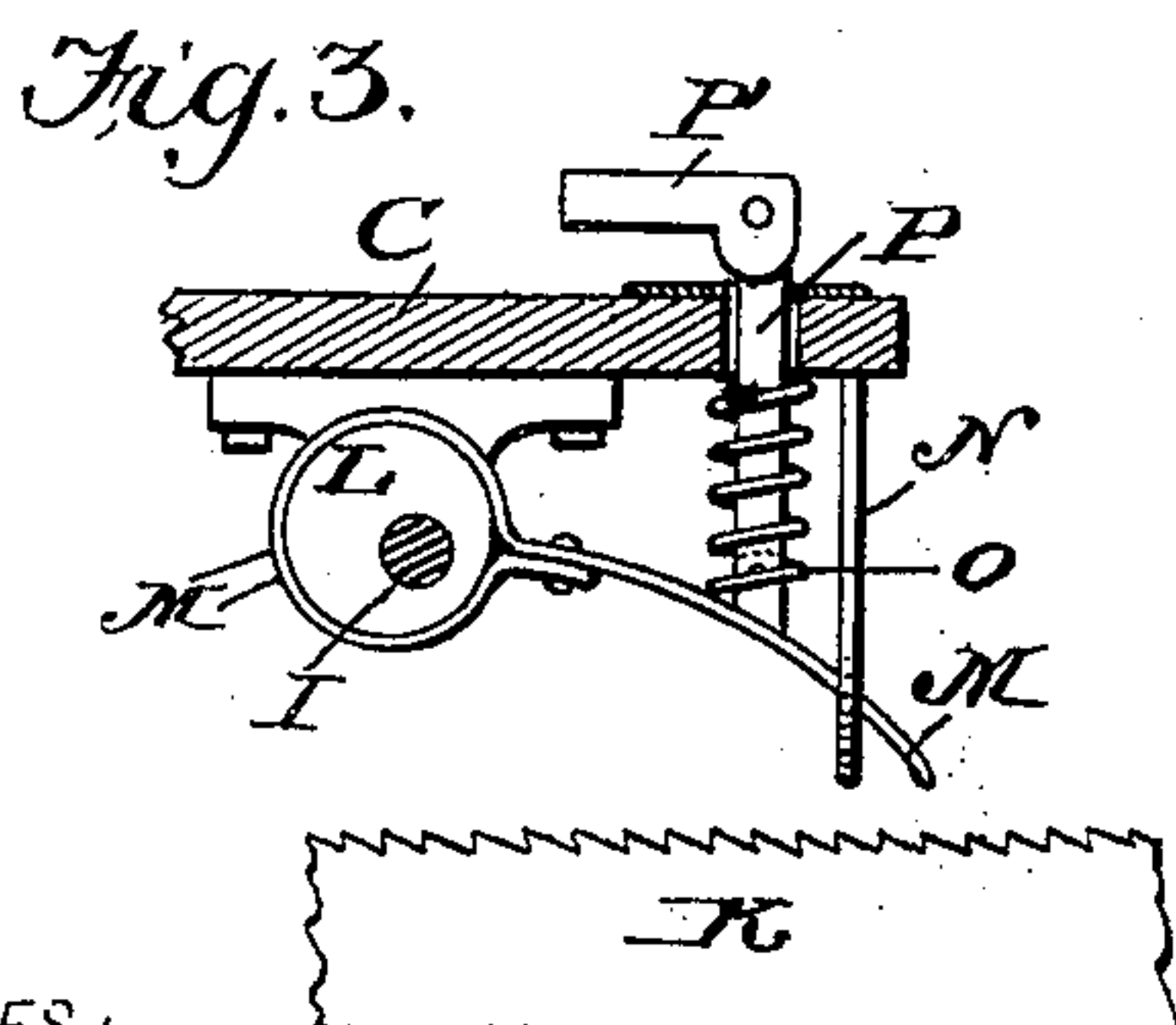
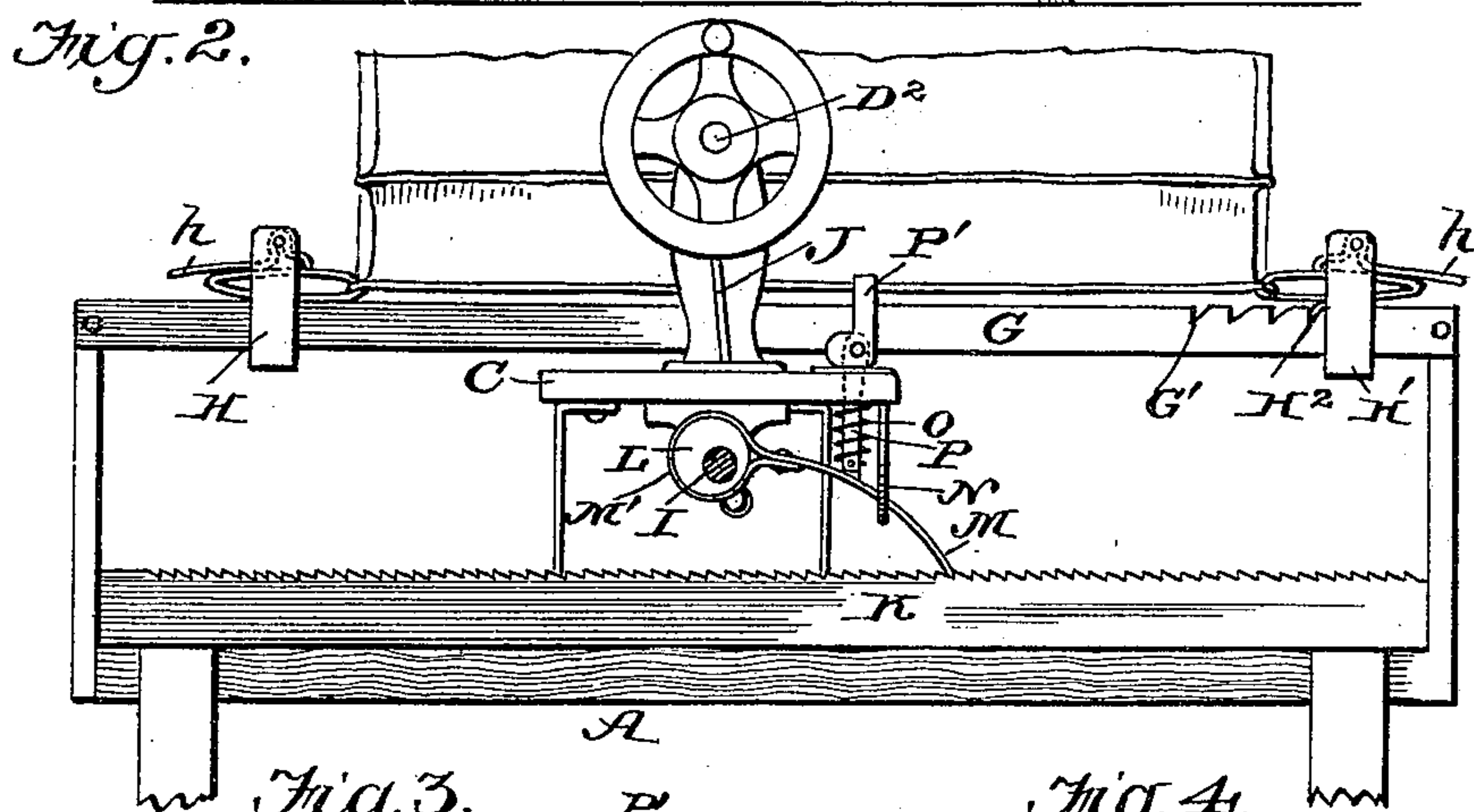
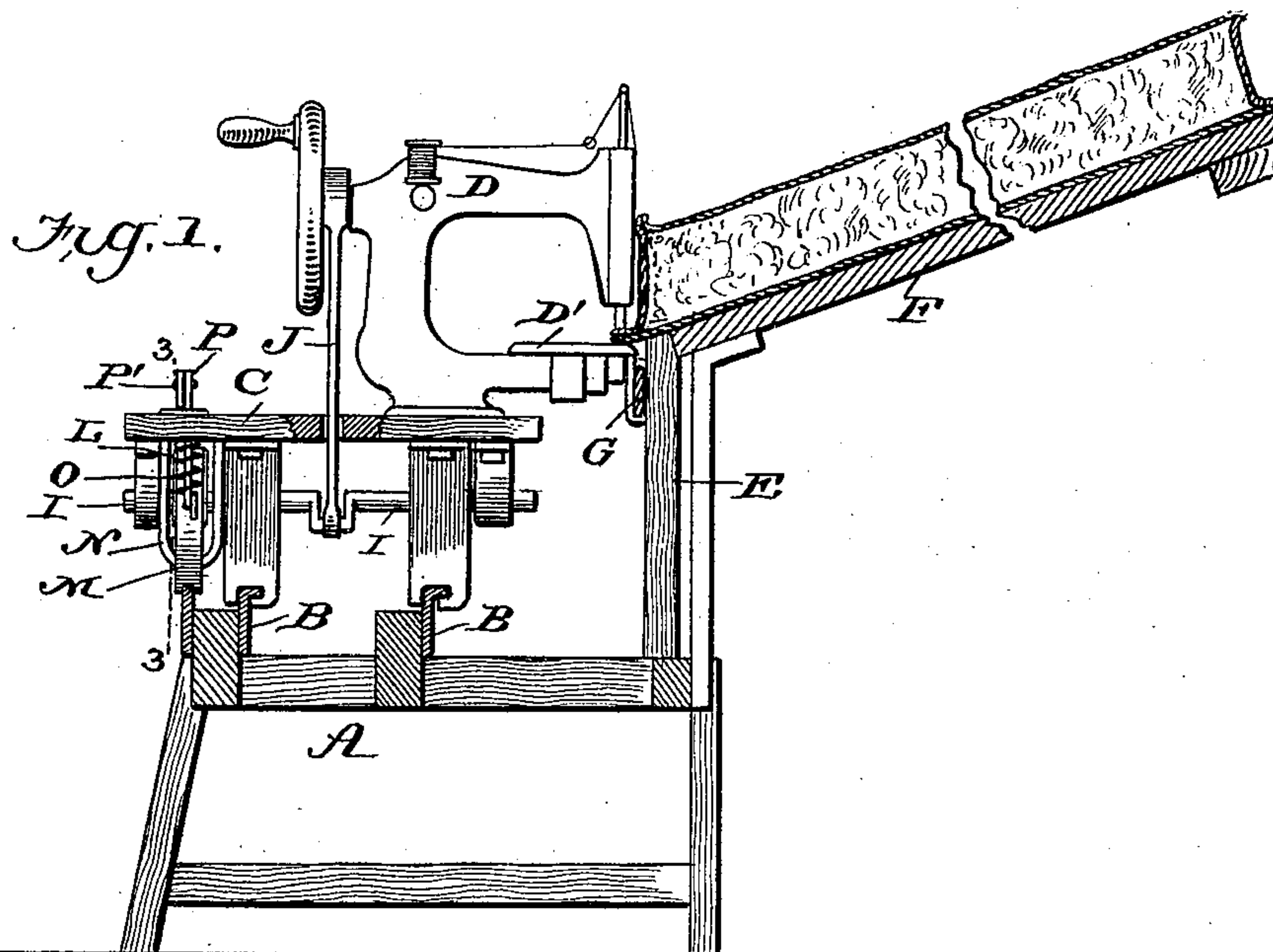
No. 621,650.

Patented Mar. 21, 1899.

E. T. GASKILL.  
MATTRESS STITCHING MACHINE.

(Application filed Sept. 19, 1898.)

(No Model.)



WITNESSES:  
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# UNITED STATES PATENT OFFICE.

ELIJAH T. GASKILL, OF NEW BERNE, NORTH CAROLINA, ASSIGNOR TO THE  
NEW BERN MATTRESS MACHINE COMPANY, OF SAME PLACE.

## MATTRESS-STITCHING MACHINE.

SPECIFICATION forming part of Letters Patent No. 621,650, dated March 21, 1899.

Application filed September 19, 1898. Serial No. 691,313. (No model.)

*To all whom it may concern:*

Be it known that I, ELIJAH T. GASKILL, a citizen of the United States, residing at New Berne, in the county of Craven and State of North Carolina, have invented a new and useful Improvement in Mattress-Stitching Machines, of which the following is a specification.

My invention is an improvement in apparatus for stitching mattresses; and it consists in certain novel constructions and combinations of parts, as will be hereinafter described, and pointed out in the claims.

In the drawings, Figure 1 is a transverse section of my apparatus as in use. Fig. 2 is a front elevation thereof. Fig. 3 is a sectional view on about line 3 3 of Fig. 1, and Fig. 4 is a detail perspective view of the adjustable clamp.

In carrying out my invention I employ a suitable frame A, which is provided with ways B for the carriage C, which supports the sewing-machine D. The frame also has in the construction shown an elevated stand E, carrying the inclined platform F, on which is supported the mattress to be stitched, such stand also supporting the bar G, which carries the clamps and may be termed the "clamp-bar." On this clamp-bar G, I support the clamps H and H', which are in general construction alike, the clamp H being fixed to the bar G and the clamp H' being adjustable along the same, and may be secured in different adjustments by its pawl H<sup>2</sup> engaging the notches G', as shown in Figs. 2 and 4. These clamps include spring-jaws, which may be clamped by the levers h to compress them upon the portions of the mattress to be sewed, as will be understood from Fig. 2, such portion of the mattress extending over the bed D' of the sewing-machine in position to be stitched by such machine as the latter moves along the seam. These clamps hold the mattress stretched tightly in proper position to be stitched and prevent any rucking of the material.

The sewing-machine D is designed for operation by hand and has its main shaft D<sup>2</sup> arranged to operate the shaft I of the feeding devices, which operation may be effected by the connecting-bar J, as shown in Fig. 1. As the shaft I is revolved, or oscillated, if preferred, it operates to give the carriage C a step-by-step movement along the mattress.

In the construction shown I provide the framing with a ratchet-bar K and the shaft I with an eccentric L, operating in an eccentric-strap M' on a pawl M, which latter engages the teeth of the bar K and feeds the carriage along the frame when the shaft I is operated as before described. The downward movement of the pawl M is limited by the stop-bail N, the pawl being pressed downward by a spring O and arranged to be lifted clear of the bar K by means of the rod P and its operating-lever P' when the latter is adjusted, as shown in Fig. 3. This is desirable whenever the operator wishes to use the apparatus without the automatic feed.

In the operation of my invention, the parts being as shown in Figs. 1 and 2 and the seam to be stitched being secured by and between the clamps H and H', the operator may turn the shaft D<sup>2</sup> to operate the sewing devices and at the same time operate the feeding devices, as before described.

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

1. The herein-described apparatus for stitching mattresses consisting of the frame, the carriage supporting the sewing-machine and provided with a shaft having an eccentric the pawl having a strap fitting on said eccentric, a spring for pressing the pawl into engagement with a feed-bar on the framing, and a lever and connecting-rod for lifting said pawl clear of said feed-bar, substantially as set forth.

2. In an apparatus substantially as described, the combination of the frame, the sewing-machine and its carriage, the shaft journaled to such carriage and having a crank, driving connections between said crank and the sewing-machine, the eccentric on said crank-shaft, the pawl having an eccentric-strap encircling the eccentric, the feed-bar arranged for engagement by the pawl, the spring for forcing the pawl into such engagement, the bail for limiting the movement of the pawl, and means for operating the pawl against the action of its spring substantially as set forth.

ELIJAH T. GASKILL.

Witnesses:

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