

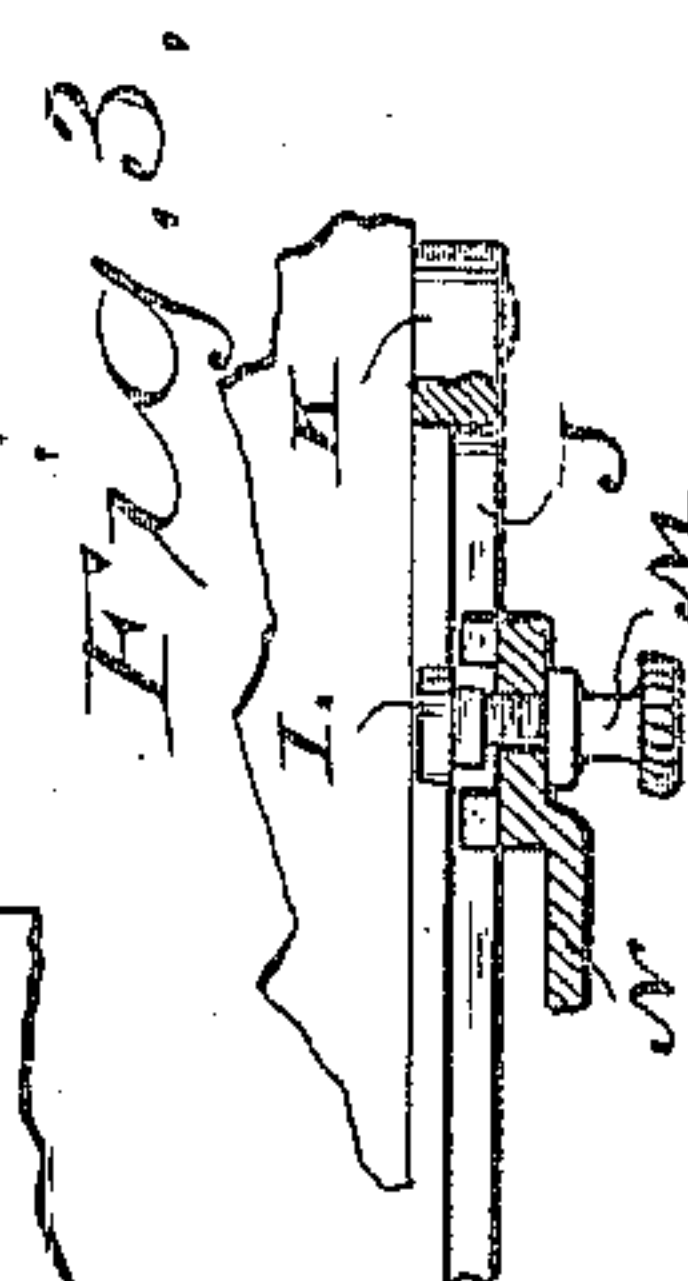
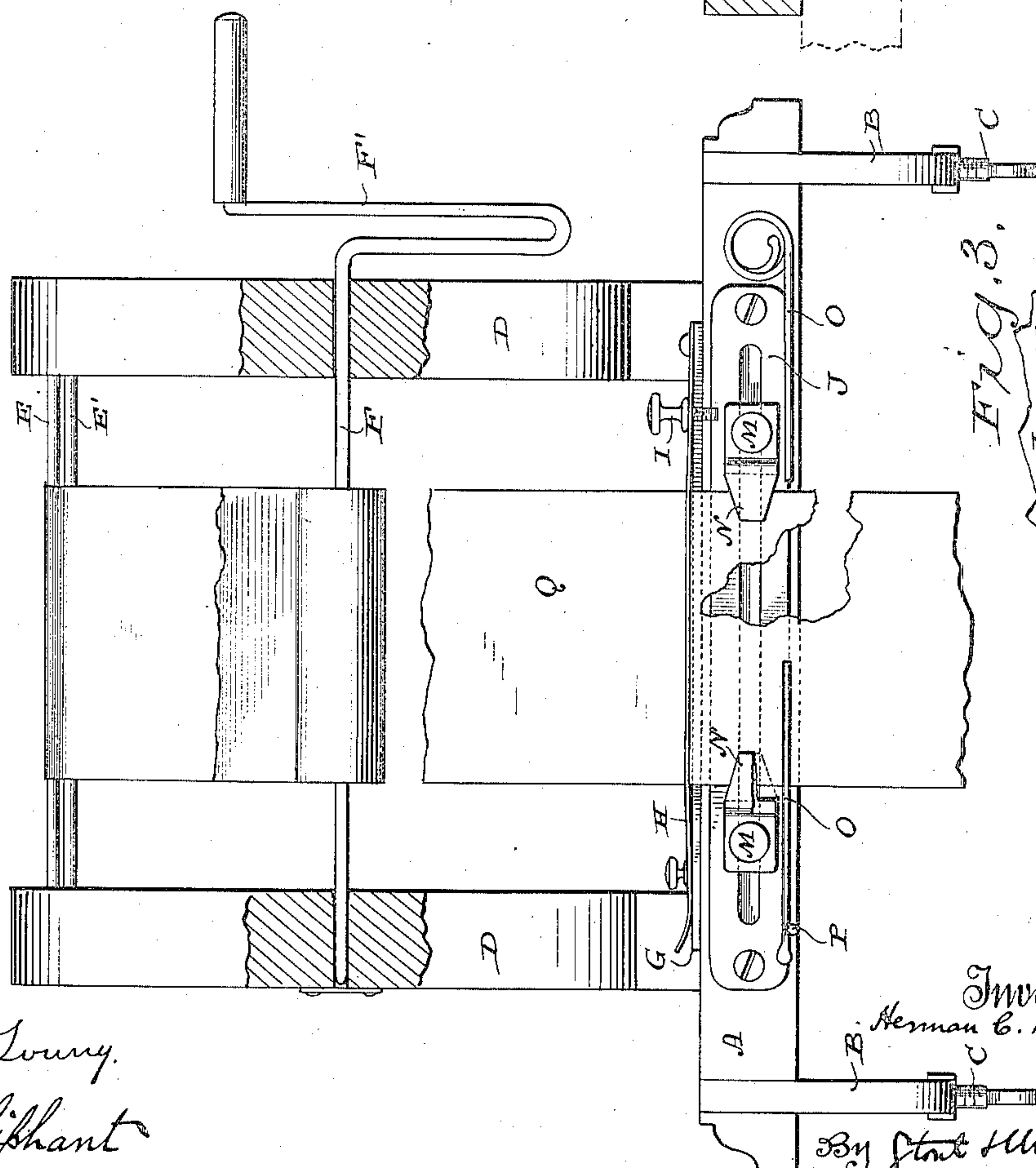
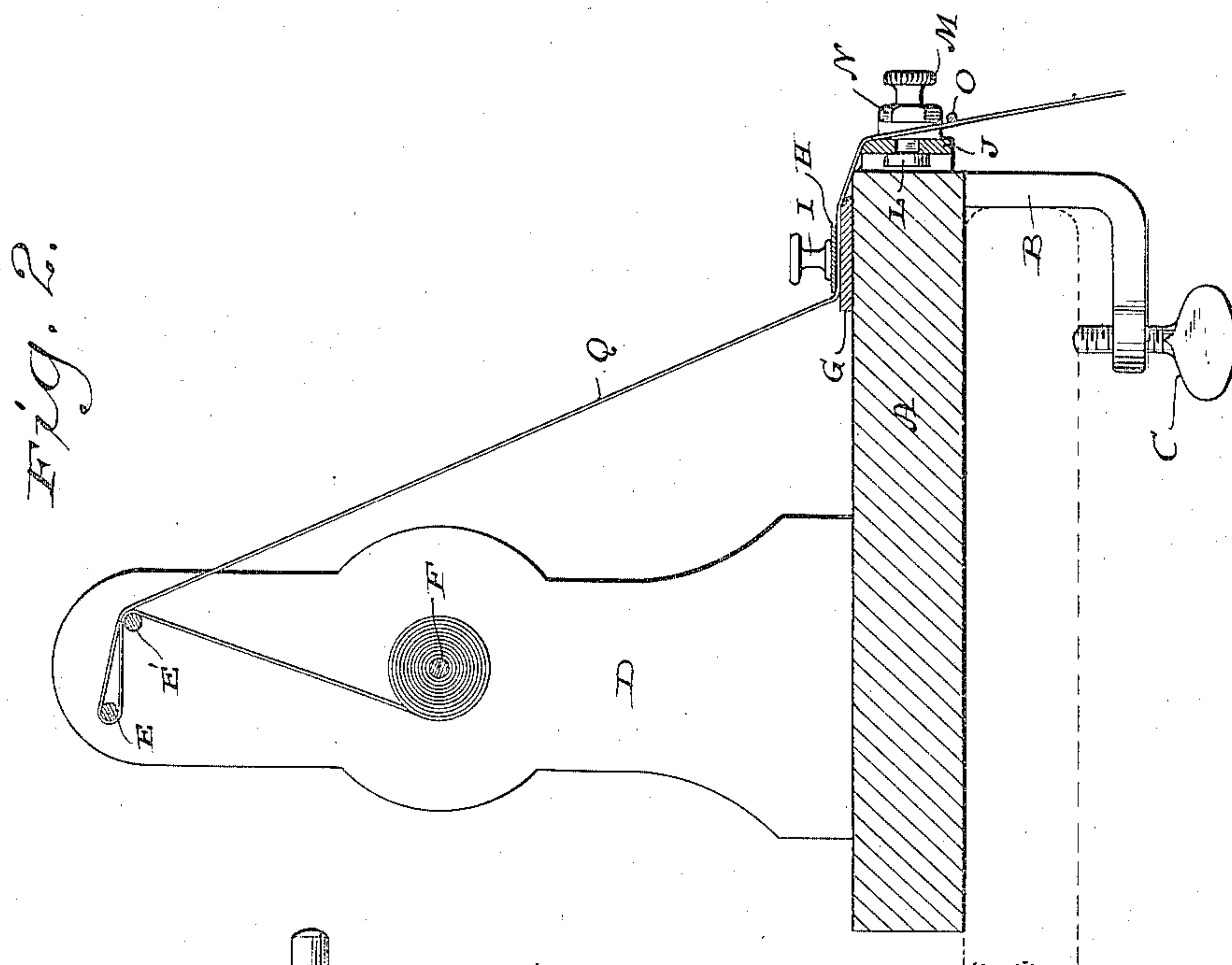
(No Model.)

H. C. BLOCK.

DEVICE FOR WINDING BANDAGES, &c.

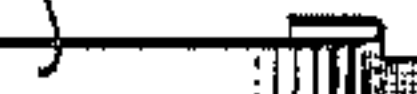
No. 409,447.

Patented Aug. 20, 1889.



Witnesses  
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# UNITED STATES PATENT OFFICE.

HERMAN C. BLOCK, OF MILWAUKEE, WISCONSIN.

## DEVICE FOR WINDING BANDAGES, &c.

SPECIFICATION forming part of Letters Patent No. 409,447, dated August 20, 1889.

Application filed January 26, 1889. Serial No. 297,705. (No model.)

*To all whom it may concern:*

Be it known that I, HERMAN C. BLOCK, of Milwaukee, in the county of Milwaukee, and in the State of Wisconsin, have invented certain new and useful Improvements in Devices for Winding Bandages, &c.; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention relates to reels, being especially designed for the winding of surgeons' bandages into rolls; and it consists in certain peculiarities in the construction and combination of parts, to be hereinafter described with reference to the accompanying drawings, and subsequently claimed.

In the drawings, Figure 1 represents a front elevation of my device, certain of the parts being broken away; Fig. 2, a vertical transverse section of the same, and Fig. 3 a horizontal sectional view illustrating one of the adjustable guides that form part of my invention.

Referring by letter to the drawings, A represents the base of my device, provided with depending brackets B, that form bearings for clamping-screws C, and secured to said base are standards D, connected at the top by rods or guides E E', and provided with bearings for a detachable spindle F, that terminates at one end in a crank-shaped hand-grip F', said spindle and hand-grip being preferably made from a single rod suitably bent, as illustrated in Fig. 1.

Attached to the base A, at or near its front edge, is a plate G, and fastened to this plate is a spring bar or guide H, the tension of the latter being regulated by means of a screw I. Secured to the front edge of the base A is a slotted plate J, the latter having lugs K at its ends, by which it is set off from said base, as best illustrated in Fig. 3.

Adjustably secured to the slotted plate J by means of set-bolts L and nuts M are guides N, as is also best illustrated in Fig. 3, and a spring-rod O is secured to the front edge of the base A to extend horizontally below the guides for the purpose to be hereinafter described, the free end of this spring-rod being normally secured by means of a hook P, driven in or otherwise attached to said base, as illustrated in Fig. 1.

In the operation of my device the guides N are adjusted to suit the width of the web to be wound, and if the latter is a wide one the spring-rod O is confined by the hook P to form a guard that will prevent said web from getting out from between said guides. One end of a bandage-web Q is passed up between the guides N, then between the plate G and spring-bar H, then up over the rod E, and back over the rod E' to the spindle F, on which it is to be wound. The web being elinched on the spindle, the latter is revolved to wind said web into a roll ready for use. The spring-bar H straightens out any kinks that may be in the web, and by adjusting the screw I the resistance of said web to the spindle F is regulated. It being essential that the bandage-roll shall be very tight and firm in order to secure the best possible result when applying a bandage, the tension of the spring-bar I is usually such as to stretch the web Q during the operation of winding, and consequently there is little or no slack in the completed roll. The web having been wound up, the hand-grip F' is grasped, the spindle F withdrawn, and the roll is ready for use.

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

1. The combination of a base, standards secured thereto, a spindle having its bearings in the standards, a spring-bar attached to the top of the base, edge-guides connected to said base adjacent to the spring-bar, and a spring-rod secured to said edge of the base to extend horizontally below said guides, substantially as set forth.

2. The combination of a base, standards secured thereto, a spindle having its bearings in the standards, a spring-bar attached to the top of the base, a set-screw for regulating the tension of the spring-bar, and guides attached to an edge of said base adjacent to the spring-bar, substantially as set forth.

3. The combination of a base, standards secured thereto, the guide-rods uniting the standards at their upper ends, a spindle having its bearings in said standards, a spring-bar attached to the top of the base, and edge-guides connected to said base adjacent to the spring-bar, substantially as set forth.

4. The combination of the base A, standards  
D, rods E E', connecting the standards, the  
spindle F, having its bearings in said stand-  
ards, the plate G, attached to the top of said  
5 base, the spring-bar H, fastened to the plate,  
the set-screw I, for regulating the tension of  
the spring-bar, the slotted plate J, secured to  
an edge of the base, the guides N, set-bolts  
L, and nuts M, adjustably connecting the lat-  
10 ter guides and slotted plate, the spring-rod

O, and the latch P, substantially as and for  
the purpose set forth.

In testimony that I claim the foregoing I  
have hereunto set my hand, at Milwaukee, in  
the county of Milwaukee and State of Wis- 15  
consin, in the presence of two witnesses.

HERMAN C. BLOCK.

Witnesses:

N. E. OLIPHANT,  
WILLIAM KLUG.