

(No Model.)

2 Sheets—Sheet 1.

C. WAGNER.  
CRIMPING MACHINE.

No. 520,097.

Patented May 22, 1894.

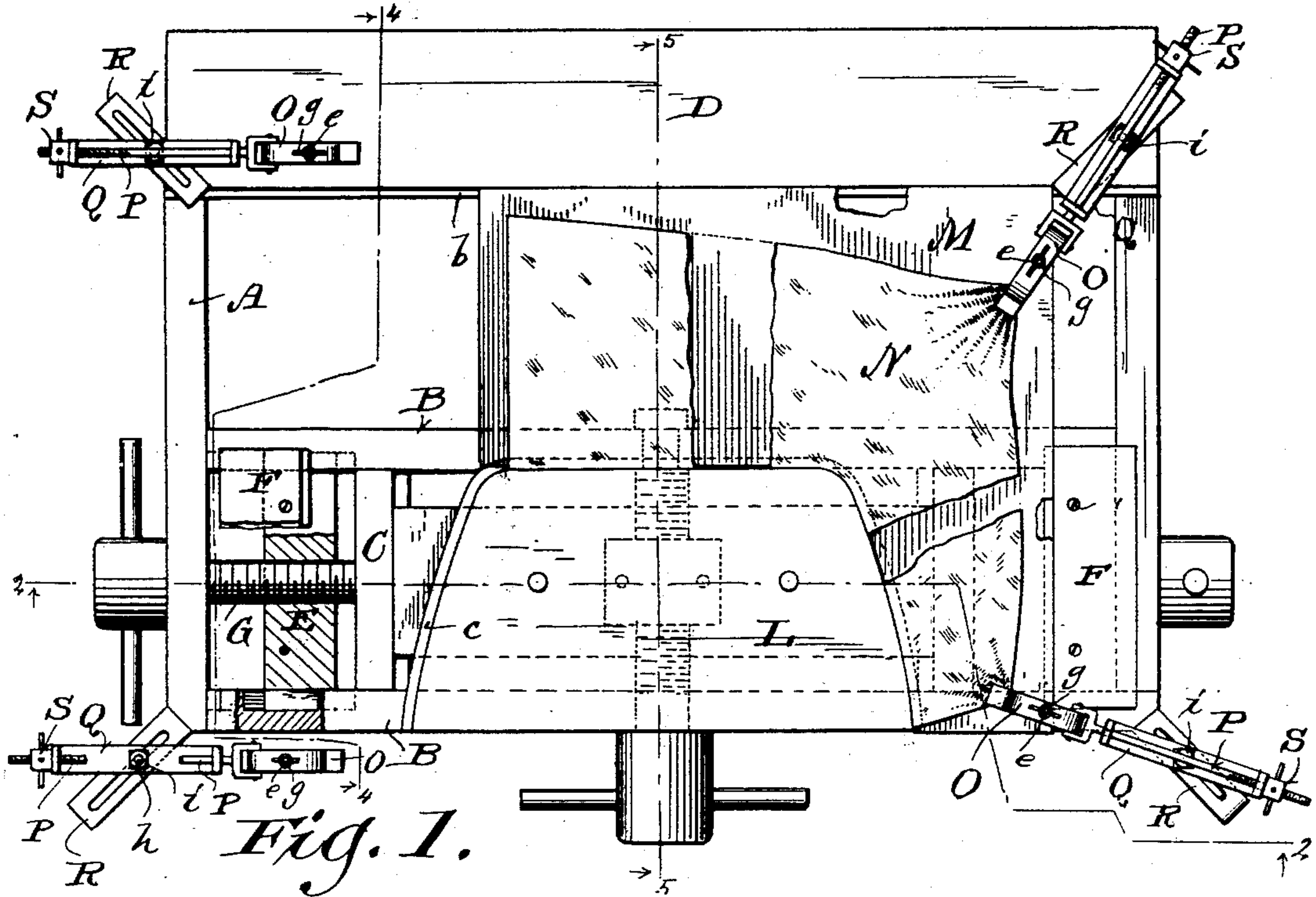
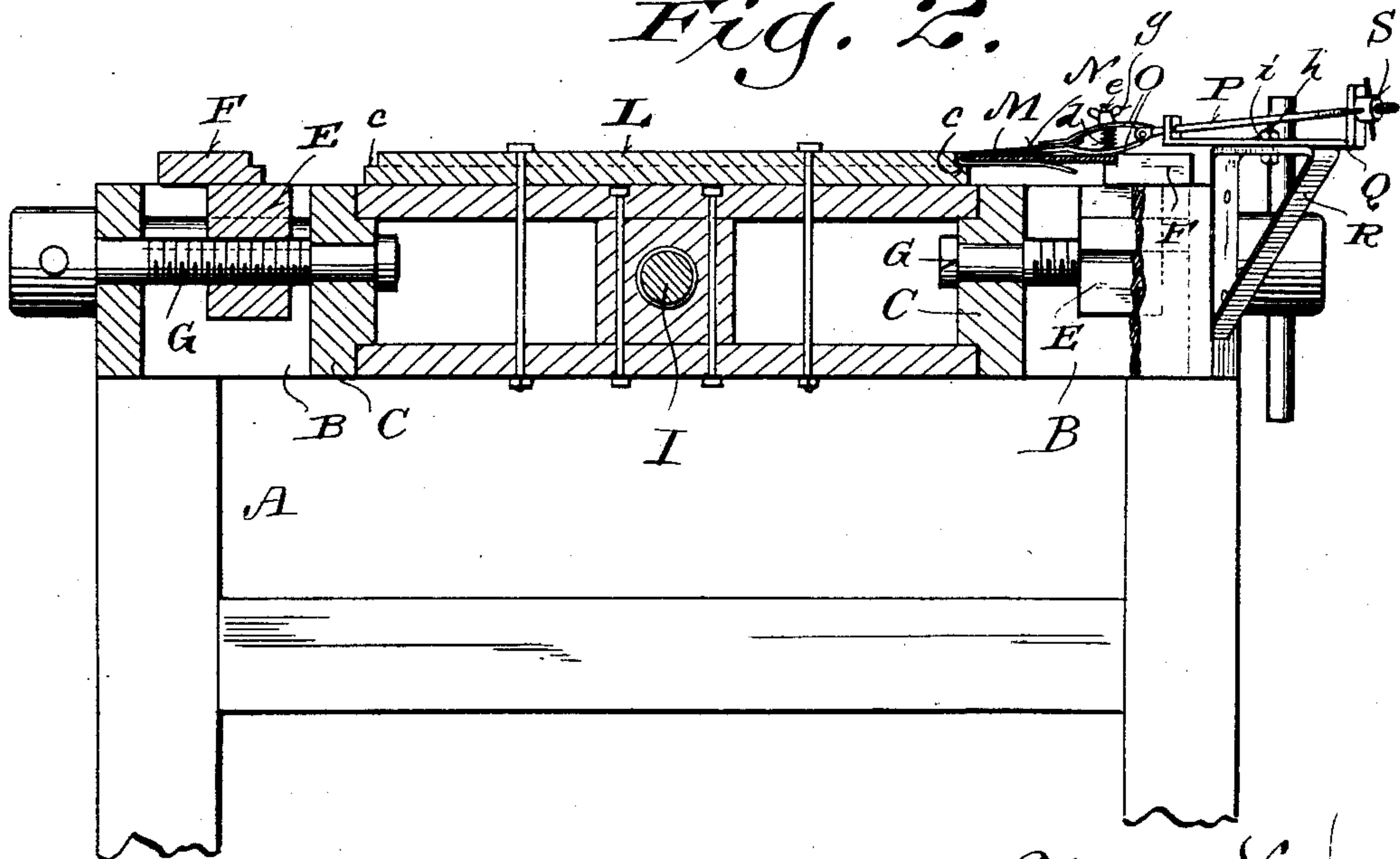


Fig. 2.



Witnesses  
Geo. W. Loring,  
H. E. Oliphant

Inventor  
Caspar Wagner  
By H. G. Underwood  
Attorney

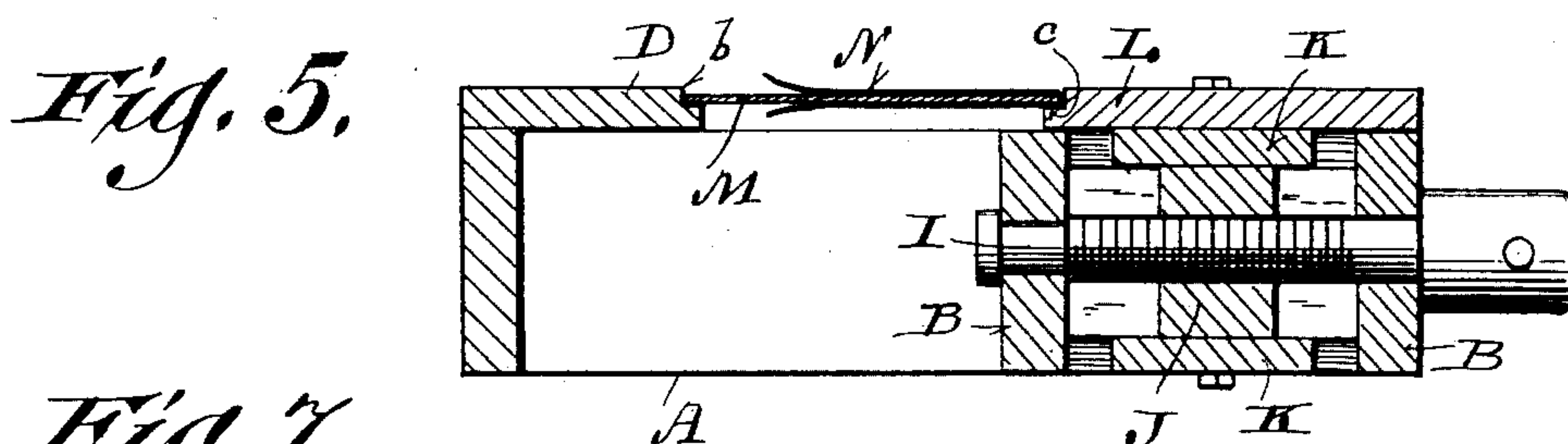
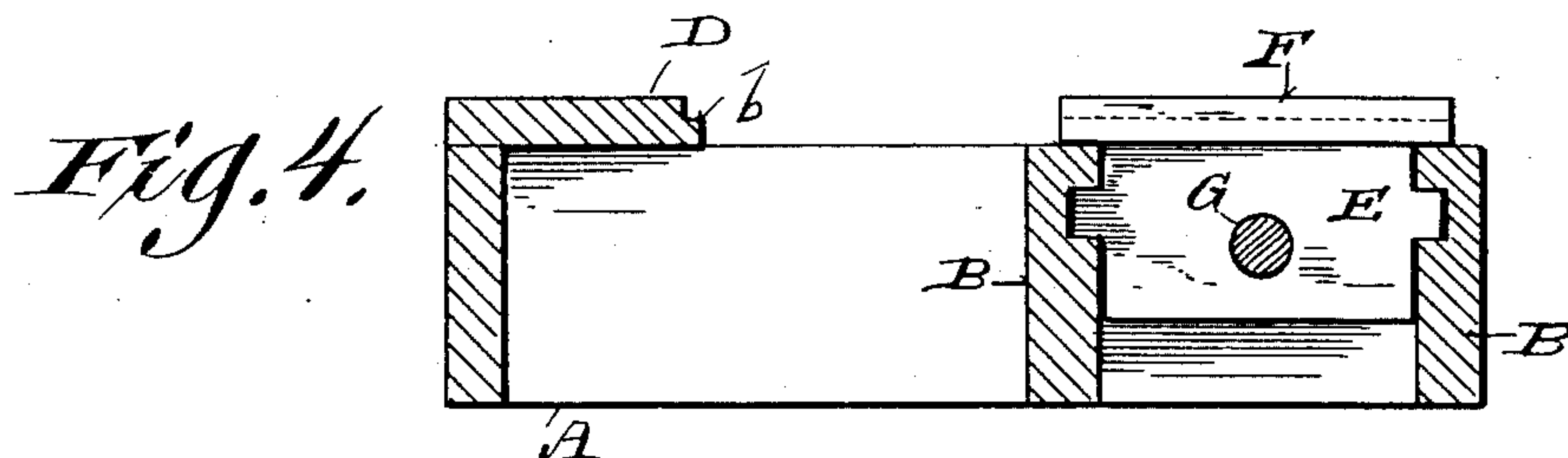
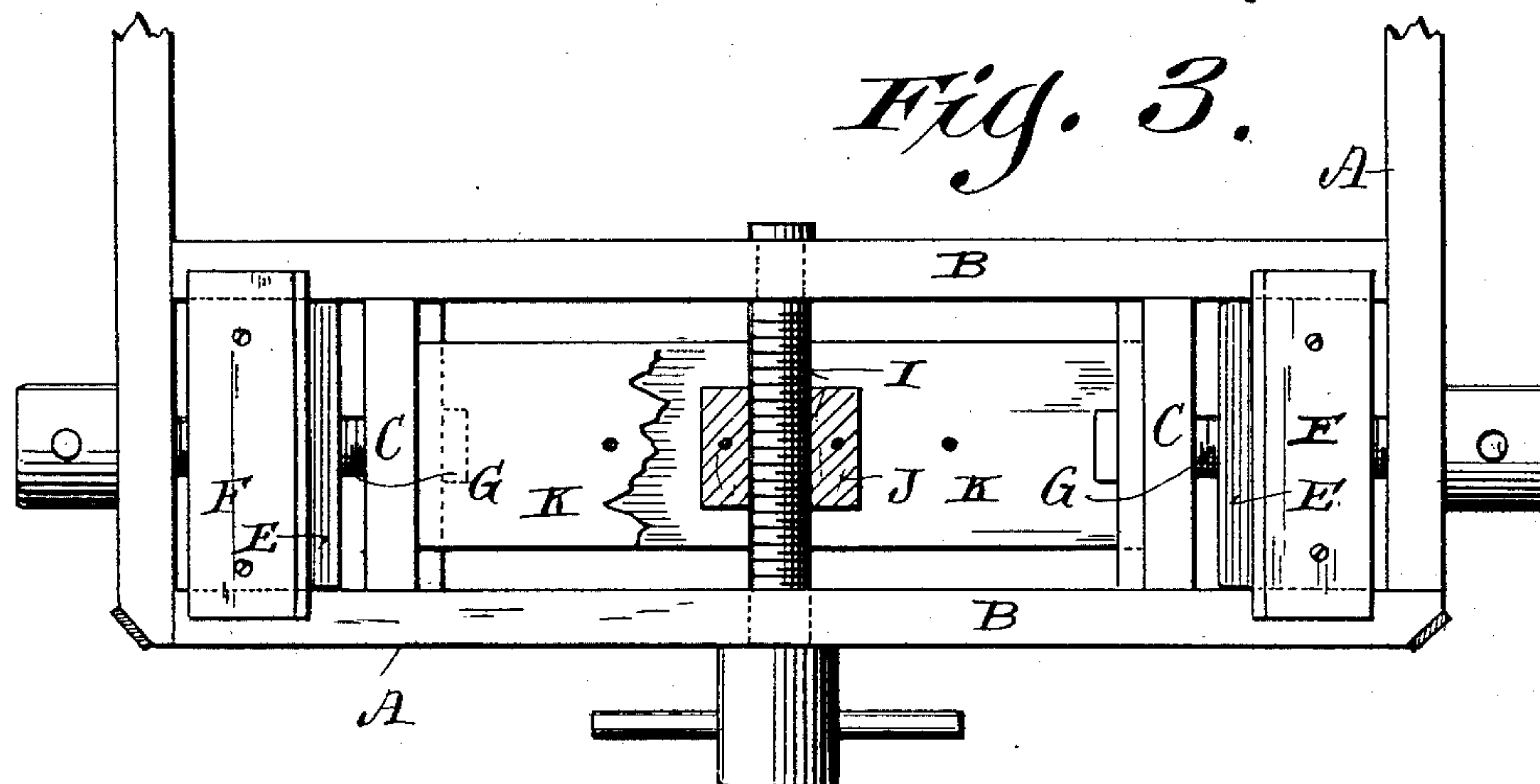
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2 Sheets—Sheet 2.

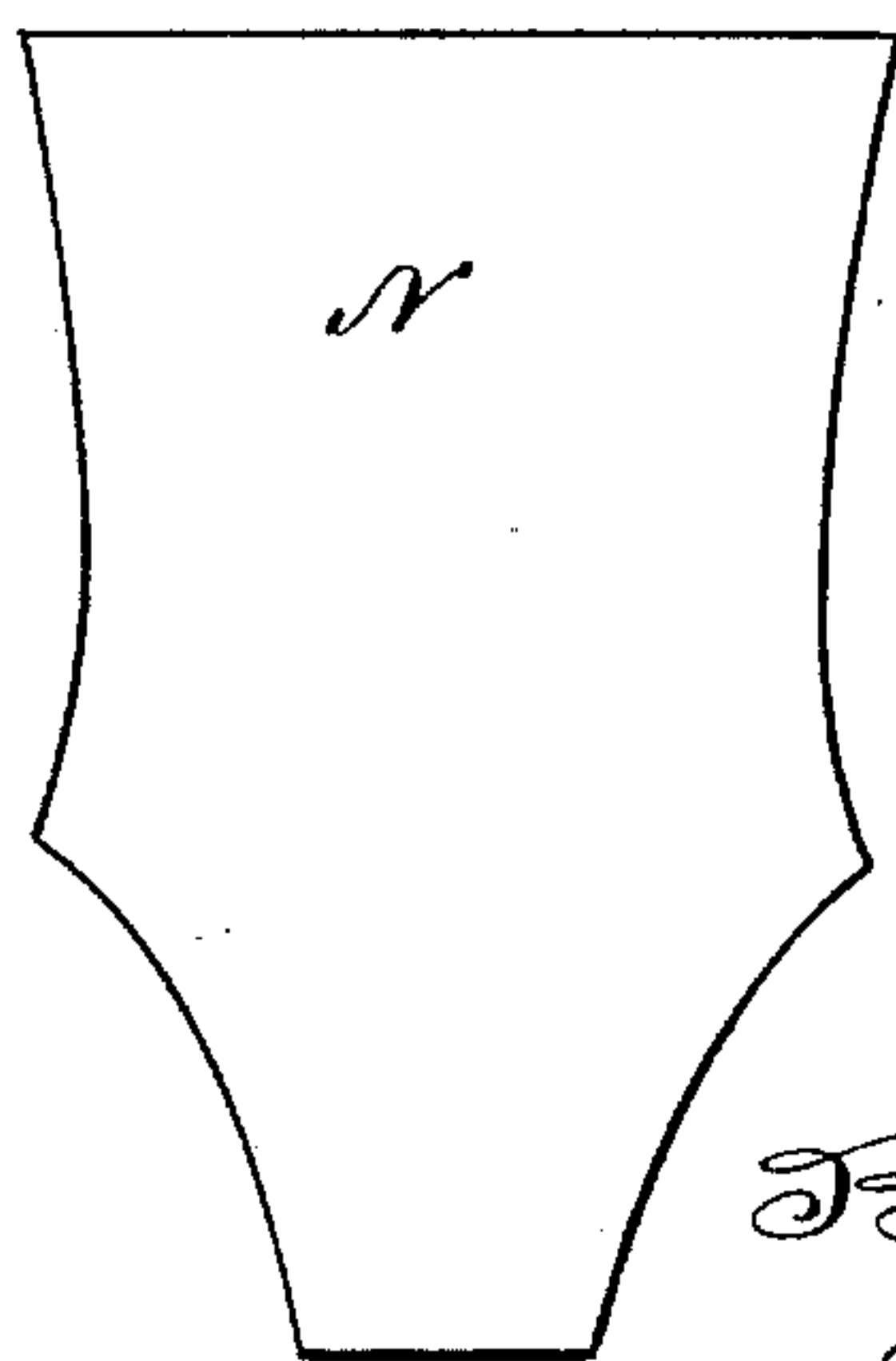
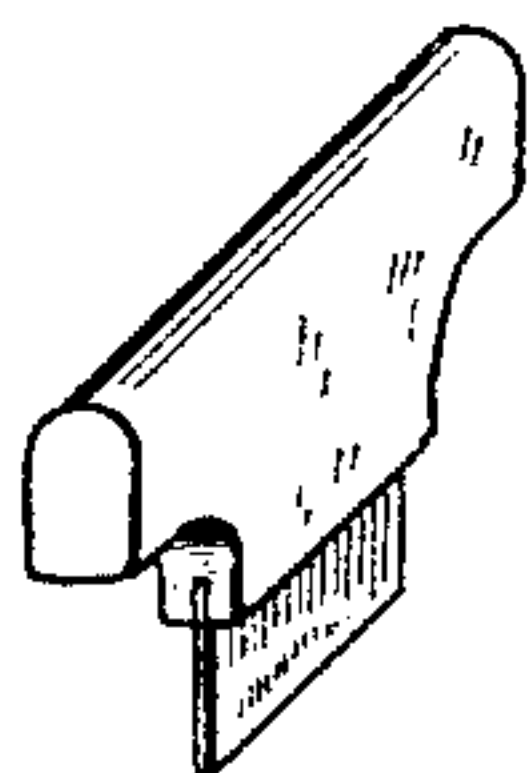
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*Fig. 7.*



*Fig. 6.*

Witnesses  
Geo. W. Young  
H. E. Oliphant

Inventor  
Casper Wagner.  
By H. G. Underwood  
Attorney



# UNITED STATES PATENT OFFICE.

CASPAR WAGNER, OF MILWAUKEE, WISCONSIN.

## CRIMPING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 520,097, dated May 22, 1894.

Application filed February 21, 1894. Serial No. 500,978. (No model.)

*To all whom it may concern:*

Be it known that I, CASPAR WAGNER, a citizen of the United States, and a resident of Milwaukee, in the county of Milwaukee, and in the State of Wisconsin, have invented certain new and useful Improvements in Crimping-Machines; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention has for its object to provide a simple, economical machine for the purpose of facilitating the creasing, stretching and smoothing of boot and shoe uppers; the same consisting in certain peculiarities of construction and combination of parts hereinafter specified with reference to the accompanying drawings and subsequently claimed.

In the drawings: Figure 1 represents a plan view of my machine partly broken away; Fig. 2, a vertical longitudinal section taken on line 2—2 of the preceding figure; Fig. 3, a detail plan of the front portion of the machine as it appears with certain of the parts detached; Figs. 4 and 5 sections respectively taken on lines 4—4 and 5—5 of the first figure; Fig. 6, a plan view of a boot upper before being worked upon the machine, and Fig. 7, a perspective view of a slicker employed in connection with said machine.

Referring by letters to the drawings A represents the frame of my improved machine embodying parallel longitudinal guide-beams B, and transverse guide-braces C that connect said beams, the latter and the braces being at the front of the machine as clearly illustrated in Fig. 1.

In rear of the guide beams B, some distance therefrom and parallel thereto is another beam or plate D having a ledge *b* at its front throughout its length. The longitudinal guide-beams B are loosely engaged by ribs that extend from carriers in the form of blocks E having ledge-plates F fast thereon. The aforesaid carriers are controlled as to movement longitudinally of the guide-beams B, by screws G that turn loose in the transverse guide-braces C and the ends of the machine-frame. Another screw I turns loose in the guide-beams B and controls the movement of a carrier in loose engagement with the transverse guide-braces C, the latter carrier being herein shown as comprising a central

screw-engaging block J and bars K bolted or otherwise suitably secured to the upper and lower sides of said block. Fast on the latter carrier is a plate L having three edges thereof provided with a continuous ledge *c* of suitable contour, and it is preferable to have this plate detachably connected to its carrier by bolts and nuts or other suitable means.

The ledge-plate D and either of the ledge-plates F serve as normal supports for a pattern-plate M over which a boot or shoe upper N is folded, and the ledge on the plate L is of such contour as to have both ends match said pattern-plate and also support the same and an upper thereon. The upper being positioned on the pattern and in place on the machine, at either end of the latter, the proper one of the screws G and the screw I are adjusted to clamp said pattern in place, as well as to set the crease in said upper. This operation having been accomplished, the foot portion of the upper is caught in grips having pivotal and longitudinal adjustment at the corners of the machine frame. As herein shown each grip comprises a pair of jaws O hinged to a rod P and impinged by an interposed spiral-spring *d* loose on a screw-pin *e* that rises from the under jaw to engage the upper jaw, a set-nut *g* being run on the outer end of said pin to clamp said jaws together on the upper against the resistance of said spring. The rod P is loose in upturned ends of a plate Q supported on the longitudinally slotted upper portion of a bracket R made fast to a corner of the machine frame to extend outward therefrom. The bracket-slot and adjacent plate are engaged by a bolt *h* that receives a set-nut *i*, whereby said plate may be held in longitudinal adjustment at any angle, and the outer end of the rod P is screw-threaded to engage a hand-nut S employed to effect a draw on the grip that is hinged to said rod, whereby slack in the upper may be taken up in any direction at the will of the operator when said upper is stretched by the manipulation of a slicker thereon, the latter tool being shown by Fig. 7. One side of the upper having been smoothed and stretched, the pattern-plate is unclamped, turned over in a longitudinal direction and reclamped, after which the upper is gripped and manipulated in a manner similar to that



abovespecified, whereby the creasing, stretching and smoothing of said upper are completed.

5 As the pattern-plates for boot and shoe uppers are variable, a series of interchangeable ledge-plates L, corresponding to said pattern-plates, may accompany each machine, and the width of the rear ledge-plate D may be varied by making the same in sections if  
10 found necessary or desirable.

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

15 1. A crimping-machine comprising a suitable frame having parallel longitudinal guide-beams and transverse guide-braces connecting the same, carriers adjustable on said beams and braces, ledge-plates supported on the carriers, another ledge-plate in rear of  
20 the guide-beams, an upper-supporting pattern-plate for clamp-engagement with the ledge-plates, and pivotal longitudinally adjustable grips connected to the machine-frame, substantially as set forth.

25 2. A crimping-machine comprising a suitable frame having a stationary rear support, other supports adjustable longitudinally of the frame at each end thereof, a carrier ad-

justable transversely of said frame, a creasing-plate detachably connected to the carrier, 30 an upper engaging pattern-plate for clamp-engagement between the stationary support, one of the adjustable supports and the creasing-plate; and upper-grips adjustably connected to said frame, substantially as set 35 forth.

3. A crimping-machine comprising a suitable frame provided with diverging longitudinally slotted corner brackets, bearings having set-bolt and nut connection with slotted portions of the brackets, rods longitudinally adjustable in the bearings, upper-grips connected to the rods, stationary and adjustable supports on said frame, and an upper engaging pattern-plate for clamp engagement with 40 said supports, and creasing-plate, substantially as set forth. 45

In testimony that I claim the foregoing I have hereunto set my hand, at Milwaukee, in the county of Milwaukee and State of Wisconsin, in the presence of two witnesses. 50

CASPAR WAGNER.

Witnesses:

H. G. UNDERWOOD,  
N. E. OLIPHANT.