

H. A. Gage.
Addressing Mach.

N^o 1759.

Patented Jul. 9. 1861.

32763

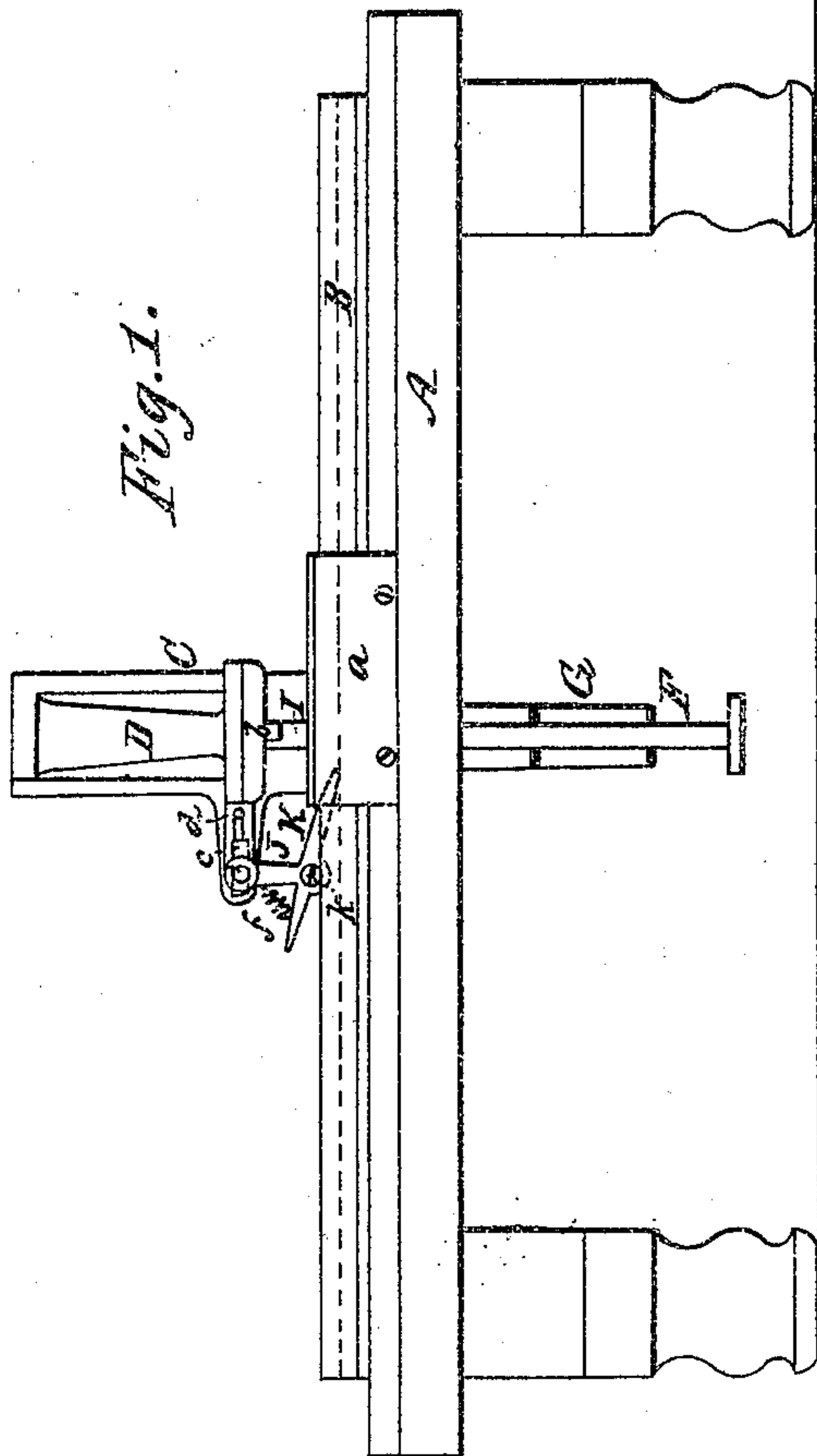
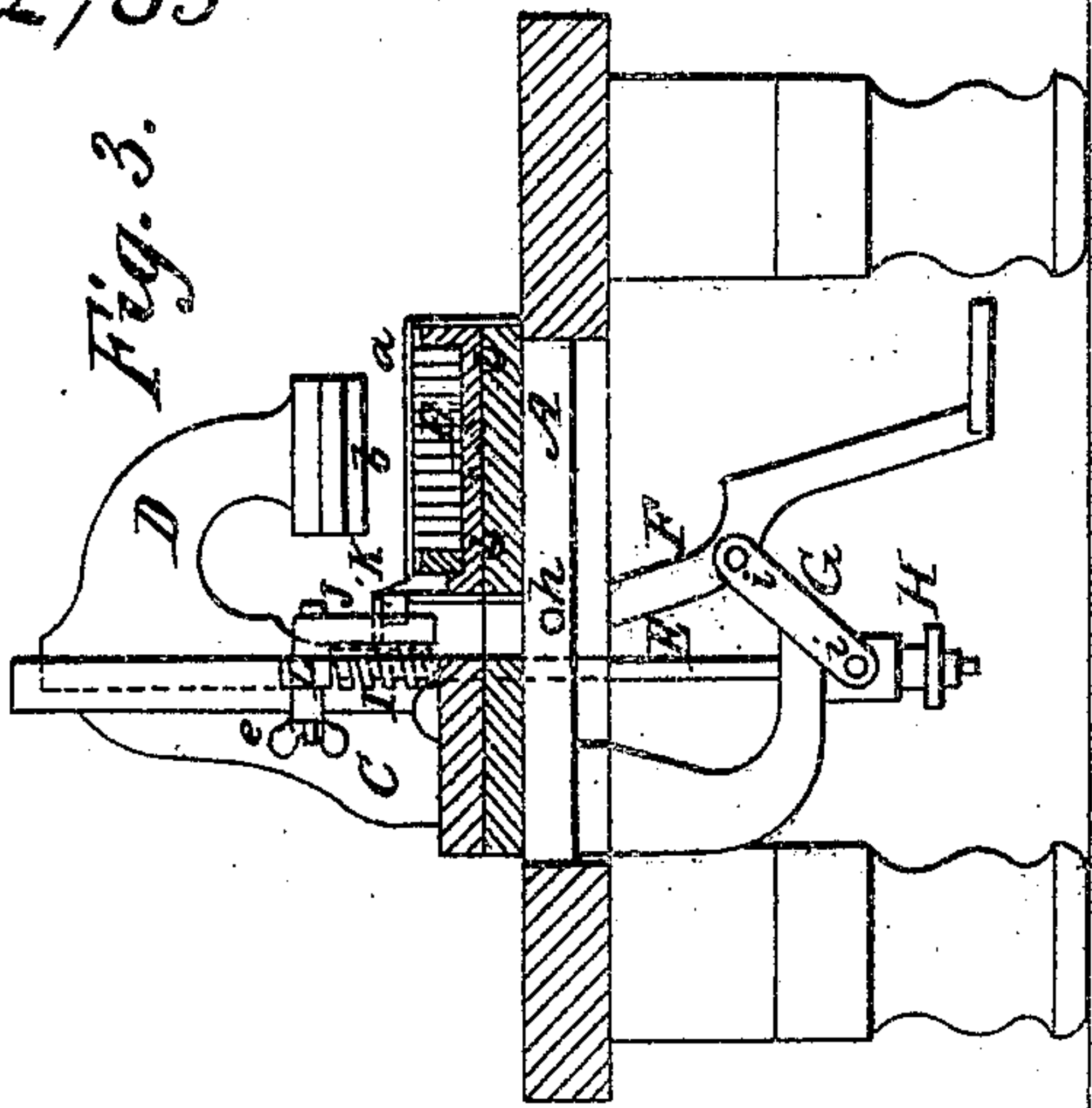
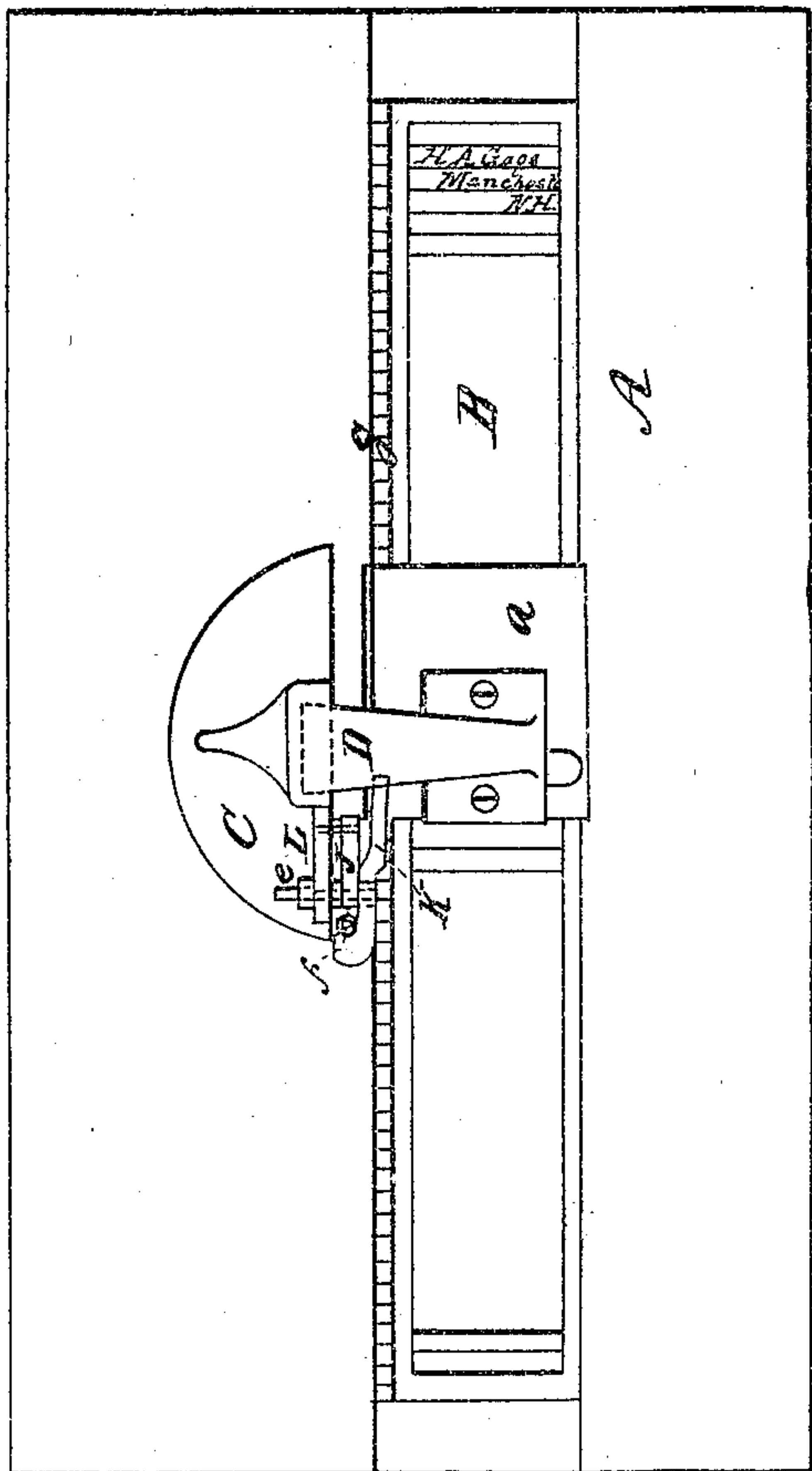


Fig. 2.



Witnesses.
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UNITED STATES PATENT OFFICE.

HENRY A. GAGE, OF MANCHESTER, NEW HAMPSHIRE.

MACHINE FOR ADDRESSING NEWSPAPERS.

Specification of Letters Patent No. 32,763, dated July 9, 1861.

To all whom it may concern:

Be it known that I, HENRY A. GAGE, of Manchester, in the county of Hillsboro and State of New Hampshire, have invented a new and useful Improvement in Machines for Printing Addresses on Newspaper-Packages and other Similar Purposes; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, and letters of reference thereon, making part of this specification.

Of the said drawings Figure 1, denotes a side elevation of my improved machine. Fig. 2, is a top view, and Fig. 3, a vertical transverse section of the same.

Similar letters of reference indicate like parts in all the drawings.

To enable others skilled in the art to make and use my invention I will proceed to describe its construction and operation.

A, is the bed of the machine which is supported upon suitable legs and has a slight elevation for the chase B, which traverses in grooves (*l l*) as seen in Fig. 3.

C, is an upright bolted to the bed and is provided with dovetail or other suitable grooves for operating the press head D, and platen *b* which is done by the rod E which is secured to the head, and the foot lever F, (which is pivoted at *h*) and stirrup G, jointed at (*i*) and (*j*), to the lever and rod as plainly shown in Fig. 3.

Upon the bottom of the rod E, there is a nut H, which fits a screw on said rod and serves to regulate the impression. By turning the nut up the impression is greater and by lowering it less.

Attached to or made a part of the upright C, is an arm L, which is slotted at (*c*), to receive the stud, which is held in place by the nut (*e*), upon which the elbow lever J, works to effect the feeding of the chase. This is done by means of the pin (*d*) which moves vertically with the head and fits the slot in the lever and produces a rocking motion of said lever, and also imparts mo-

tion to the pawl K which is pivoted at (*k*) to the lever L, and kept in its place by the spring (*f*). This pawl fits a rack or ratchet in the chase (*g g*) as plainly shown in Fig. 2.

Operation: The operation of the machine will be as follows. The type are locked up in a series of chases of the same style as B, and arranged to traverse freely in the grooves by means of the ratchet and pawl, as the impression plate D and platen *b* reciprocate and give motion to the lever L. The feeding of the chase is varied by moving the stud upon which the lever rocks up to or away from the head which varies the extent of motion and consequently the feed, as plainly shown in Figs. 1 and 2.

The type may be inked by means of a hand roller, or from rollers operated by the machine in a manner similar to printing presses but I prefer a hand roller as a saving of time in operating the machine and expense in its construction.

The material to be printed is laid upon the plate (*a*) over the slot therein and the platen (*b*) is brought down upon the material with sufficient force to obtain a perfect impression. The power being removed the spring I, raises the head D, and operates the feeding pawl which carries forward the chase a sufficient distance for another imprint and so on.

The advantages of my improved machine will be obvious to all practical printers—it being simple in construction, capable of rapid operation with no liability to derangement.

Having thus fully described my invention I will state what I desire to secure by Letters Patent is—

The mechanism for regulating the impression of the platen consisting of the lever F, link G, and nut H, on the rod E, substantially as described.

HENRY A. GAGE. [L. S.]

Witnesses:

JOHN A. PERRY,
NATHANIEL CORNING, Jr.