

R. Dick.
Addressing Mach.
N^o 64502. Patented May 7, 1867.

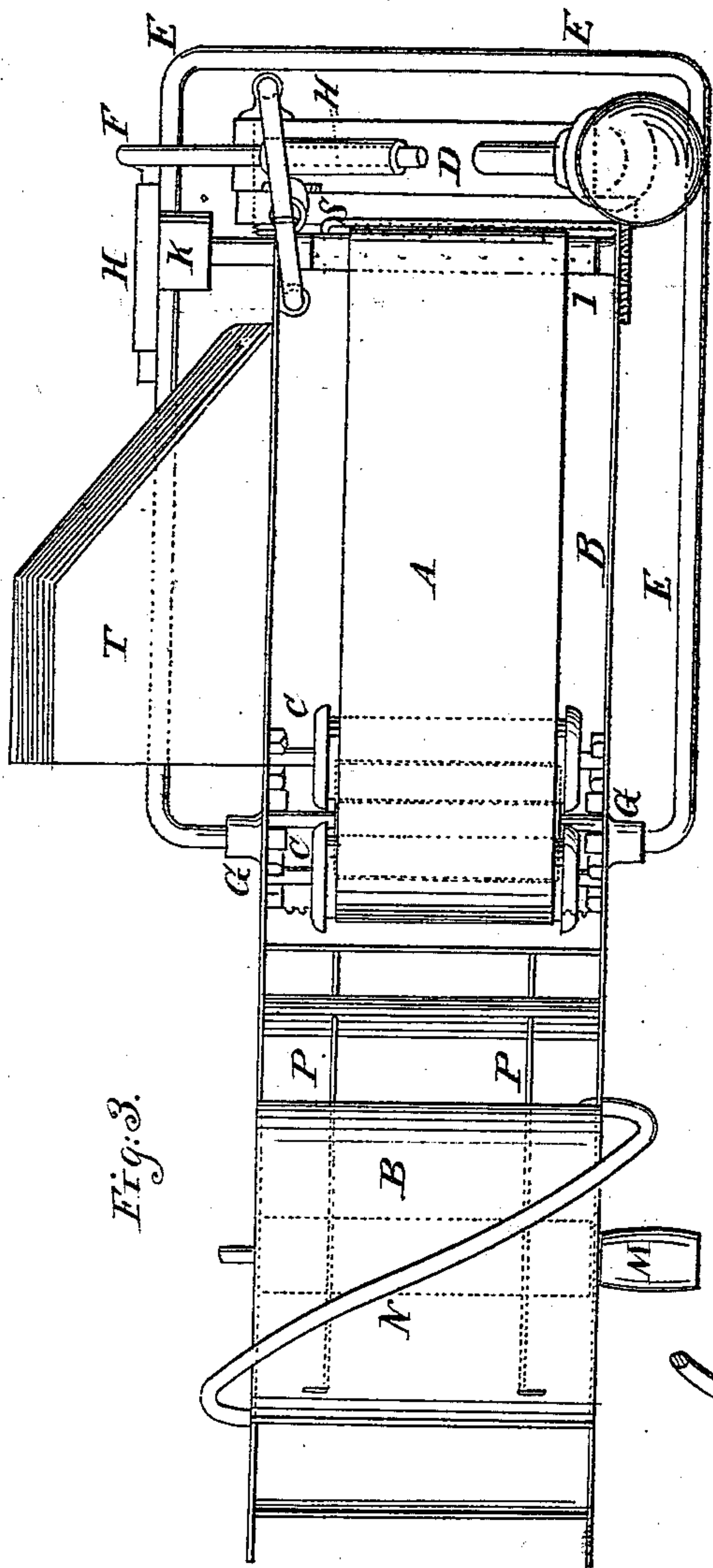


Fig. 2.

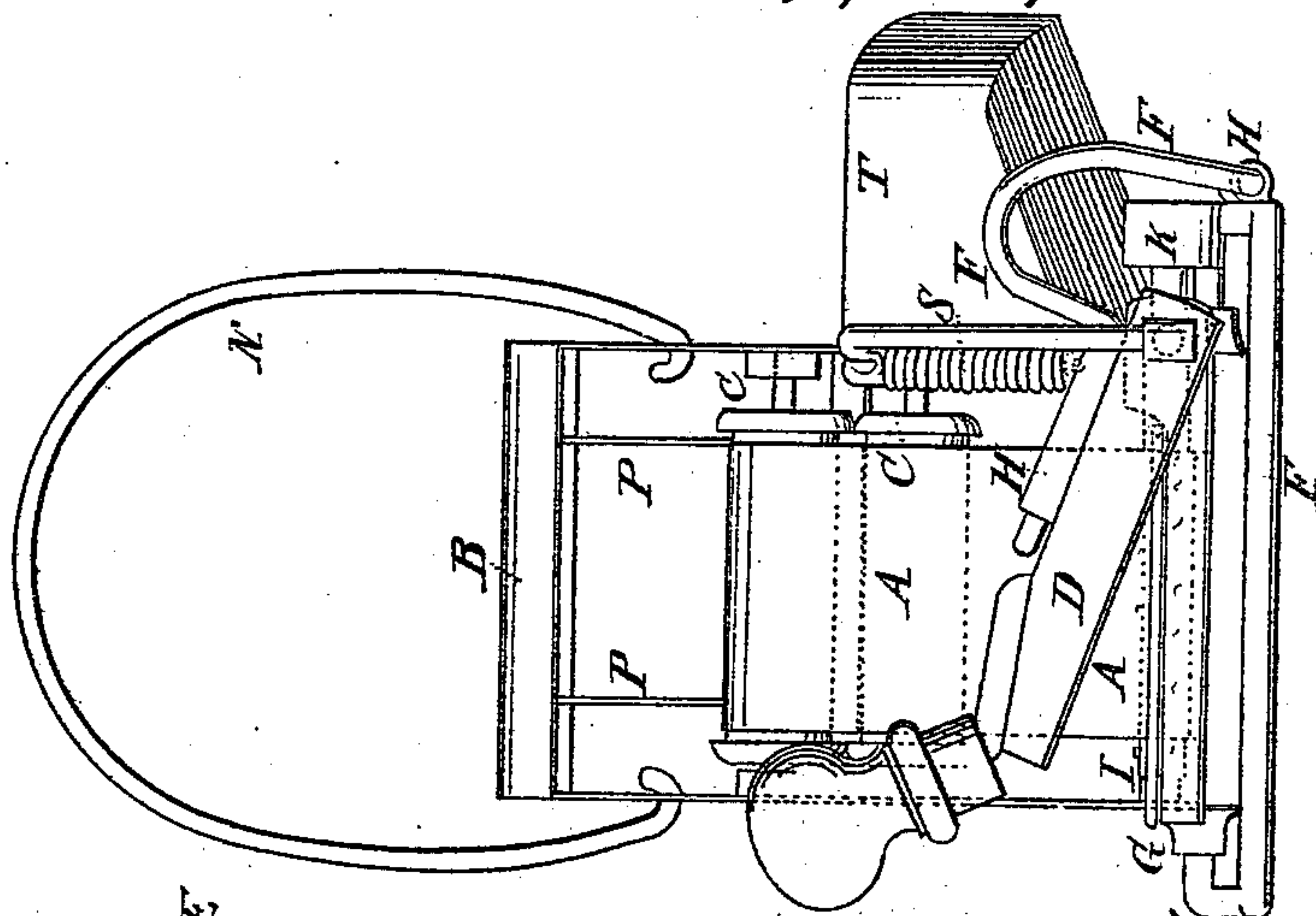
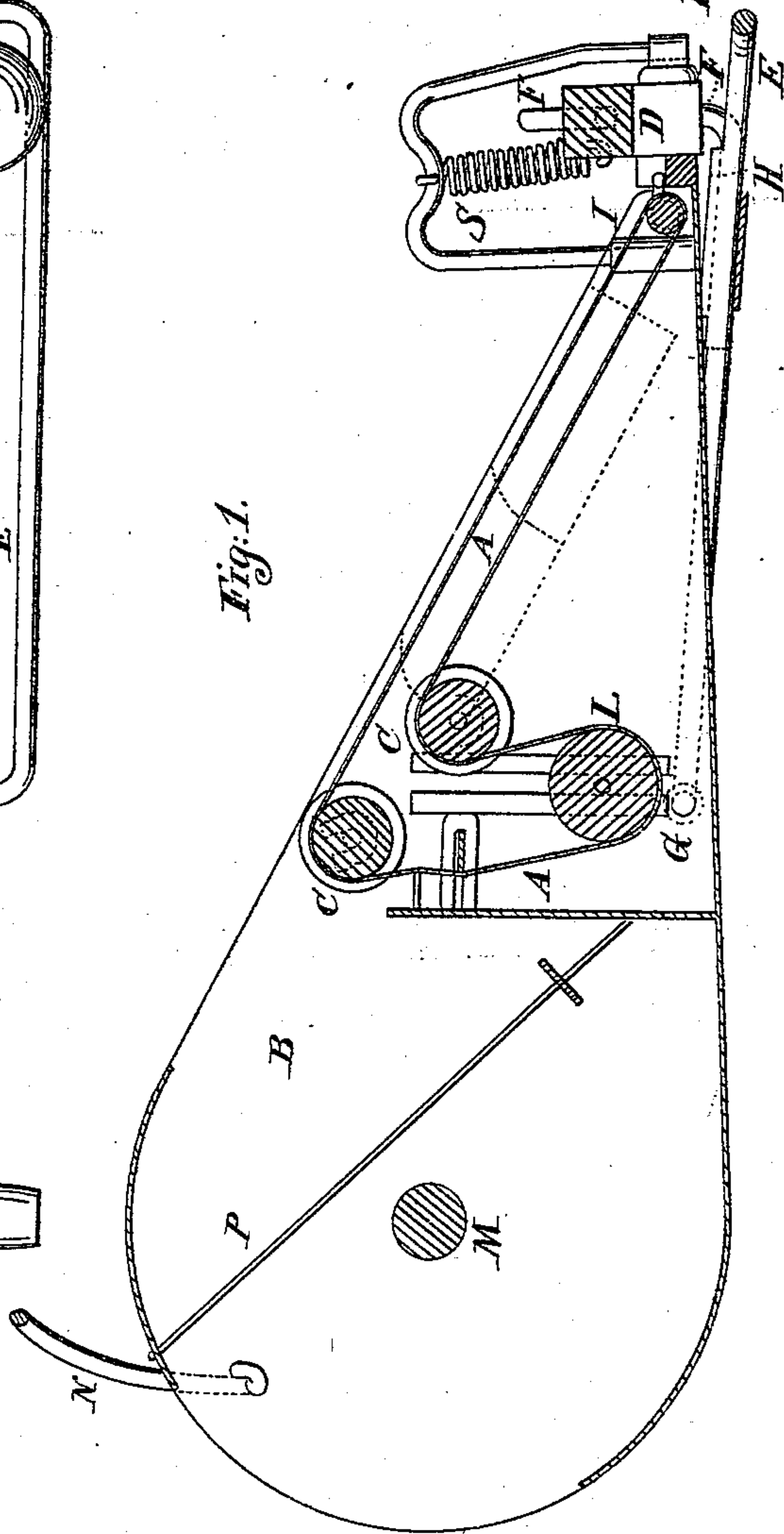


Fig. 1.



United States Patent Office.

ROBERT DICK, OF BUFFALO, NEW YORK.

Letters Patent No. 64,502, dated May 7, 1867.

IMPROVEMENT IN ADDRESSING MACHINES.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, ROBERT DICK, of the city of Buffalo, in the county of Erie, and State of New York, have invented a new and improved method of constructing my Labelling Machine, patented by me 4th October, 1859; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawing, forming part of this specification, and to the figures of reference marked thereon.

The nature of my invention consists in combining the use of a steam-packing belt, or its equivalent, with distributors and a new arrangement of the rollers in fixed bearings, the combination adapting the machine to the use of a common flour paste, less fluid and more potential than any mucilage that could be used in my machine prior to this my invention; which further consists in adding a spring-wire frame to the machine in such a manner as to make the downward pressure of the frame, resulting from adroitly dropping the machine on the article to be labelled, perform the work of cutting the label off, and of stamping it firmly on the required spot.

To understand the construction and operation of this my improvement, let A A, wherever found on the drawing, represent the apron or belt, as seen in Figures 1, 2, and 3, being made of steam packing or its equivalent, so as to be substantially non-elastic, impervious to moisture, and so thin as to turn pliantly round the smallest roller in the machine, all the rollers, C C I and L, being adapted to work in combination with this belt by dispensing wholly with the roller-frame, making the rollers turn in a new arrangement of bearings firmly attached to the sides of the machine, or placed therein, as seen at U V W X, fig. 3; which arrangement of rollers is combined with the use of a belt of the above-recited description, the inside of which is kept clean by a small transverse strip of thin brass, or its equivalent, represented by Y in fig. 3, while a similar strip of brass, represented by Z in fig. 3, touching the belt as it rises out of the paste or mucilage, with a notched edge, allows no excess of paste to come in contact with the labels, which never touch the belt till it has risen above these distributors; the results of the above-recited combination and arrangements being the easy avoidance of the annoyances occasioned by the cementing together of the wrappers and papers in drying; also, relief from the annoyances consequent on the escapement of the belt from the weight-roller while revolving in the paste, as also from the belt doubling over at its edges, and from other erratic exhibitions that were wont to occur, often causing much delay and extreme vexation. Also let E E E, wherever found on the figures of the drawing, represent the spring-wire frame, which, hinged near the centre of the machine, as at G, and joined to the connecting-rod F F, fig. 2, the straight ends of which being movable in the tubes H H, fig. 3, allow the frame to drop about an inch below the front of the machine, so that when the machine is allowed to drop in a suitable manner on the article to be labelled, the downward pressure of the spring-frame is conveyed by the connecting-rod to the upper surface of the cutter-stamp, forcing it down on the projecting label, instantly cutting it off, and stamping it firmly on the wrapper, envelope, or paper, and on the required spot.

What I claim as my invention, and wish to secure by Letters Patent, may be stated briefly as follows:

1. I claim the combination of the steam-packing belt, with the distributors, and the new arrangement of the rollers for securing the results as recited, in the way and manner substantially as herein set forth.
2. I claim the spring-wire frame, and the manner of connecting it with the machine, for the purposes stated, together with all other ways and manners, substantially the same as those herein set forth or intended to be set forth.

ROBERT DICK.

Witnesses:

GEO. W. ROTHWELL,
GEO. E. BROWN.