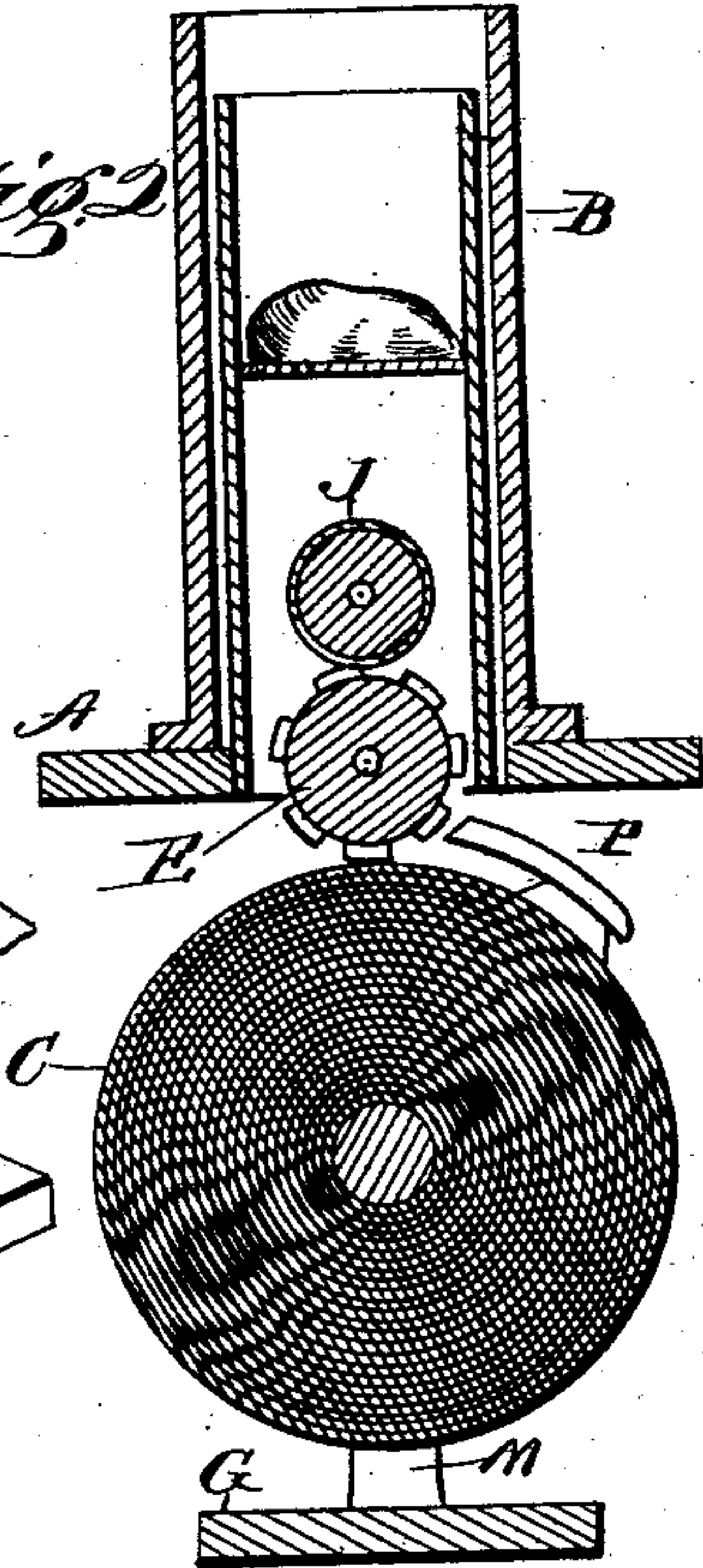
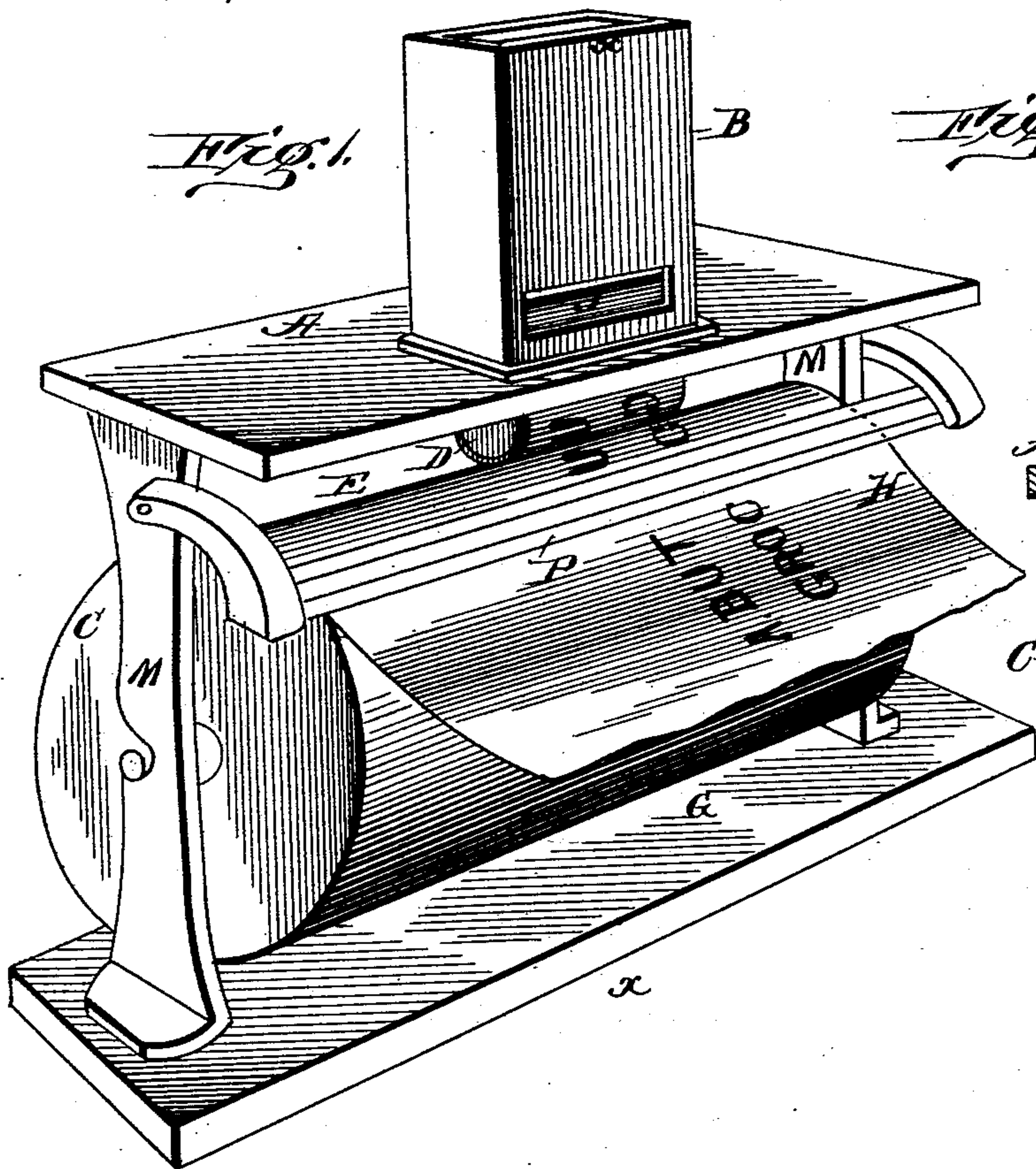


(No Model.)

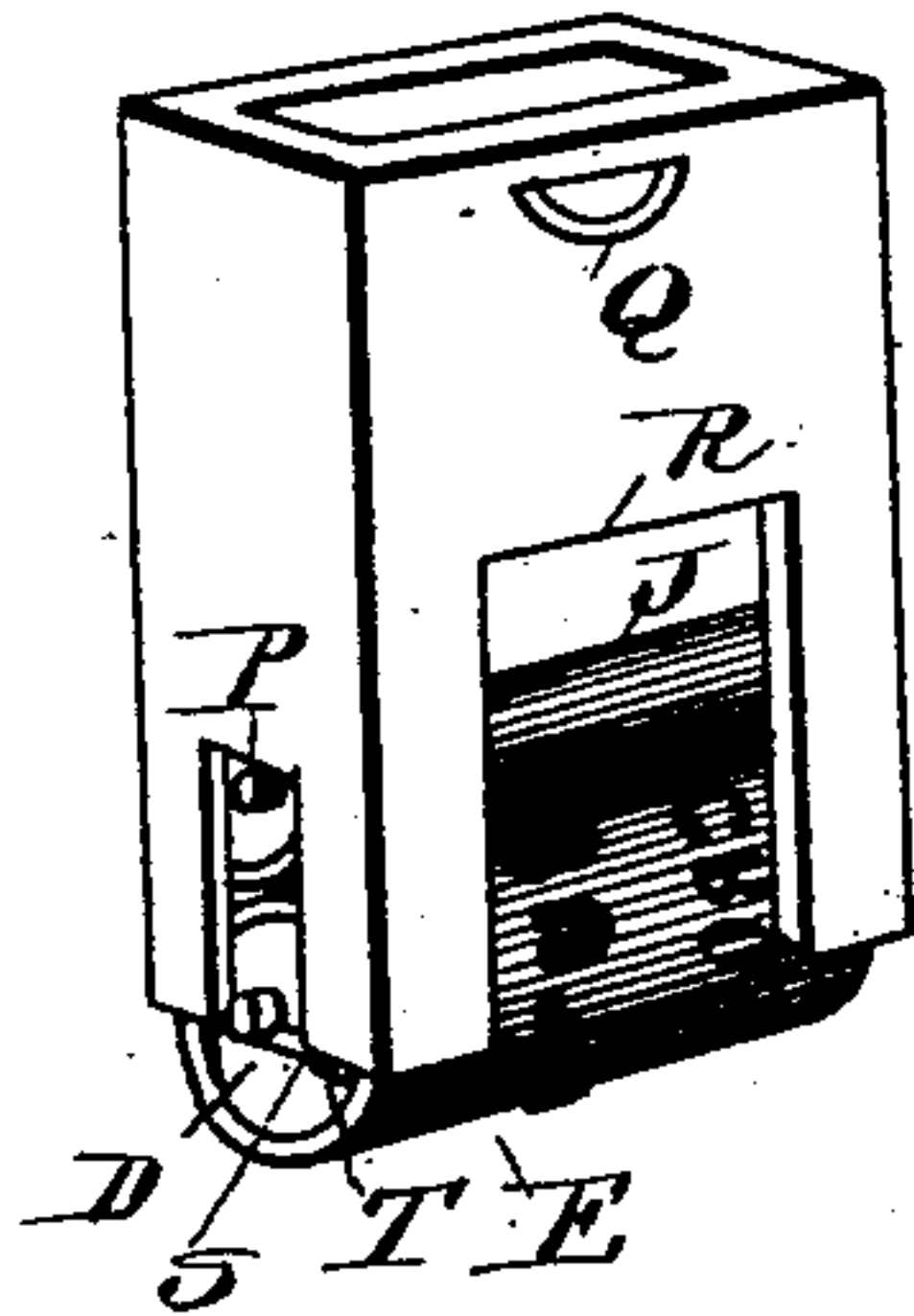
D. J. ETLY.  
ADVERTISING DEVICE.

No. 569,095.

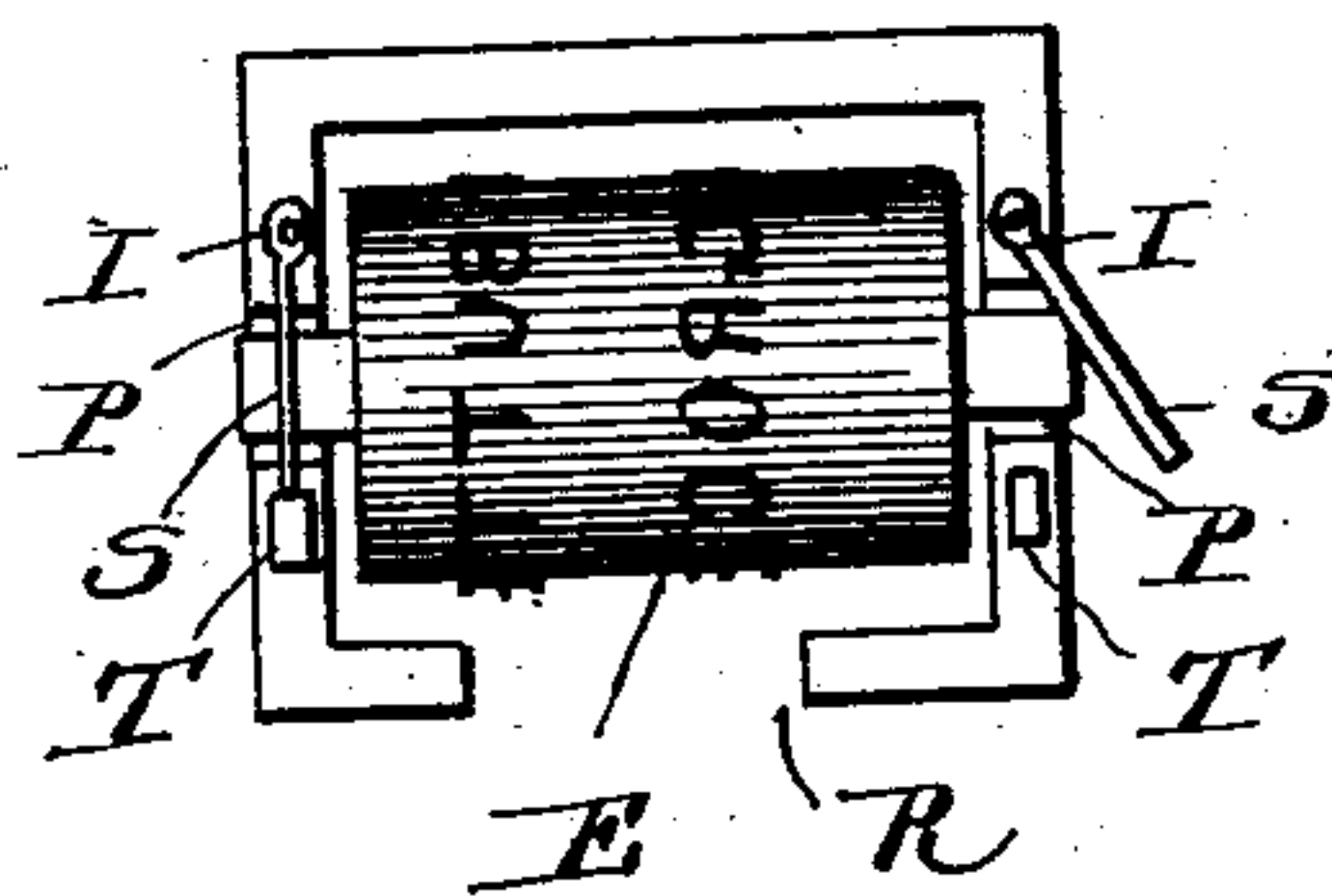
Patented Oct. 6, 1896.



*Fig. 3.*



*Fig. 4.*



David J. Etlý

Inventor:

Witnesses:

J. M. Fowler &  
Addison L. DeRois

By C. J. Stockman  
Associate Attorney.



# UNITED STATES PATENT OFFICE.

DAVID J. ETLY, OF LOUISVILLE, KENTUCKY.

## ADVERTISING DEVICE.

SPECIFICATION forming part of Letters Patent No. 569,095, dated October 6, 1896.

Application filed September 30, 1895. Serial No. 564,098. (No model.)

*To all whom it may concern:*

Be it known that I, DAVID J. ETLY, a citizen of the United States, residing at Louisville, in the county of Jefferson and State of Kentucky, have invented certain new and useful Improvements in Advertising Devices; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The object of my invention is to provide a simple, convenient, and cheap device for printing an advertisement on roll-paper as it is pulled off the roll for use, which device may be applied to roll-paper frames of any length. I accomplish this by the means illustrated in the accompanying drawings, hereinafter described, and specifically set forth in the claims.

In the drawings, Figure 1 is a perspective view of my printing device on a paper-roll frame in position for work. Fig. 2 is a vertical section of the same through the line  $xx$  in Fig. 1. Fig. 3 is a detail view of the inner box. Fig. 4 is a bottom view of the inner box.

Wrapping-paper in all branches of mercantile business is now used in rolls adapted to revolve in a frame and furnished with a cutter to cut the paper of the length required. In the top A of such a roller-frame I make a rectangular aperture  $a$ , around which I construct a guide-box B, corresponding in cross-sections to the aperture  $a$ . I then construct a box L, adapted to slide freely up and down within the guide-box B and having a cylinder D, with its axle ends working loosely in vertical slots P in the sides of the box, around which is arranged, in rubber lettering E, the advertisement desired. Resting above the printing-cylinder D, I arrange an ink-roller J, the axle ends of which work also in the slots P. Above the ink-roller J is a partition  $n$ , separating the upper from the lower part of the box, and on this partition I place a weight N, which may be a bag of shot or other convenient material. When the box L, with the printing-cylinder, ink-roller, and weight, is placed within the guide-box B, the weight N causes the cylinder with its letters

to press upon the outer surface of the roll of paper C. The slots P are of such height that when the axle of the ink-roller presses against its top shoulder the printing-cylinder will be pressed against the surface of the paper roll C. When the paper is pulled out for use, it revolves the printing-cylinder and each revolution of the cylinder makes an impression of the advertisement on the face of the paper, as at H. As the paper is used up and the size of the roll diminishes the weight N causes the box L to descend and to keep the printing-cylinder constantly in contact with the paper roll C. The box L is of such height that when all the paper of a roll is used and the printing-cylinder rests on the axle of the paper roll the top part of the box will still be within the guide-box B for a sufficient distance to maintain it in an erect position.

The cloth O around the ink-roller is of such thickness as to absorb enough of the printing-ink to serve for several hours. I use a water-color ink, which dries as fast as it is impressed on the paper.

S is a metal bar pivoted at one end to the bottom of the box L, adapted to fit across the bottom of the slot P and be engaged at its other end on the opposite side of the slot by a convenient catch or fastening T. The slots P on each side of the box L are provided with these bottom bars S, which serve to keep the rollers from dropping out when the box L is lifted out of the guide-box. In front of the box L is made an opening R, allowing the ink-roller and cylinder to be conveniently handled. In front of the guide-box B, I arrange a horizontal opening K for convenience in getting at the ink-roller to wet it or to remedy any accidental clogging or check without lifting out the box L.

Q is a slot in the box L for a hand-hold in lifting it from the guide-box. By lifting the box L out of the guide-box the advertisement can be printed on any kind of paper by rolling the cylinder over its surface.

It is obvious that this printing device can be readily applied to roll-paper frames of any length, as it is only necessary to cut a hole of the proper dimensions in the top plate of the frame and secure the guide-box B to the top plate above the aperture.



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

1. The combination with a paper-roll frame  
5 having an aperture in its top plate, of a box movable vertically in said aperture, and carrying printing means, and guides for said box supported by said top plate.

2. The combination with a paper-roll frame  
10 having an aperture in its top plate, of a guide-box supported on said plate above said aperture, a second box fitted within the guide-box to have free vertical movement therein and in said aperture, and a printing-roller  
15 journaled in said second box adapted to engage the roll of paper, substantially as described.

3. The combination with a paper-roll frame  
20 having an aperture in its top plate, of a guide-box supported on said plate, above said aperture, a second box fitted within the guide-box to have free vertical movement therein

and in said aperture, a printing-roller journaled in said second box, an inking-roller also journaled in said second box to engage  
25 the printing-roller, and a weight on the said second box, substantially as described.

4. The combination with a paper-roll frame having an aperture in its top plate, of a guide-  
30 box supported on said plate above the aperture, a second box fitted within the guide-box to have free vertical movement therein and in said aperture, printing and inking rollers journaled in said second box, a horizontal partition in the box above the printing  
35 and inking rollers, and a weight supported on the partition, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

DAVID J. ETLY.

Witnesses:

FRANK PARDON,  
C. E. QUIGLES.