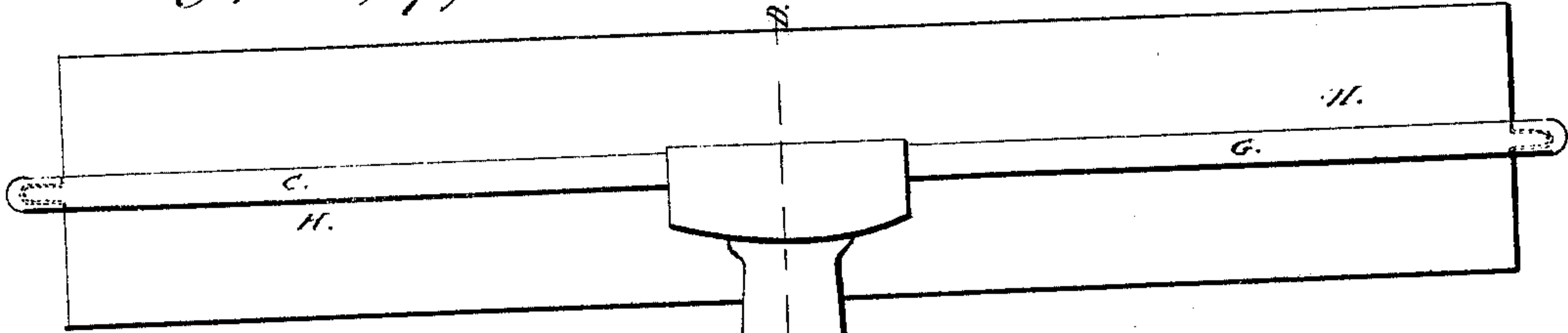


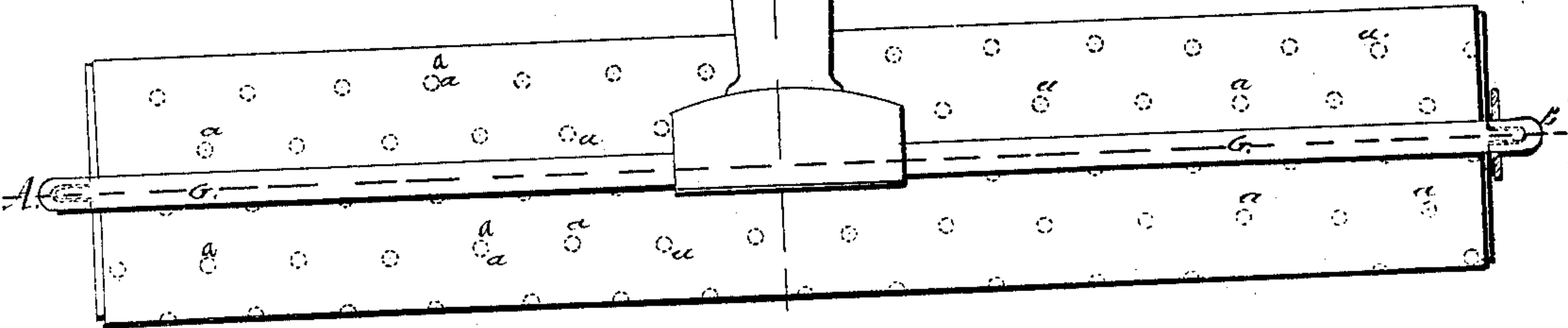
*J. A. Lynch.*  
*Damping Mach.*

*Nº 20,077.*

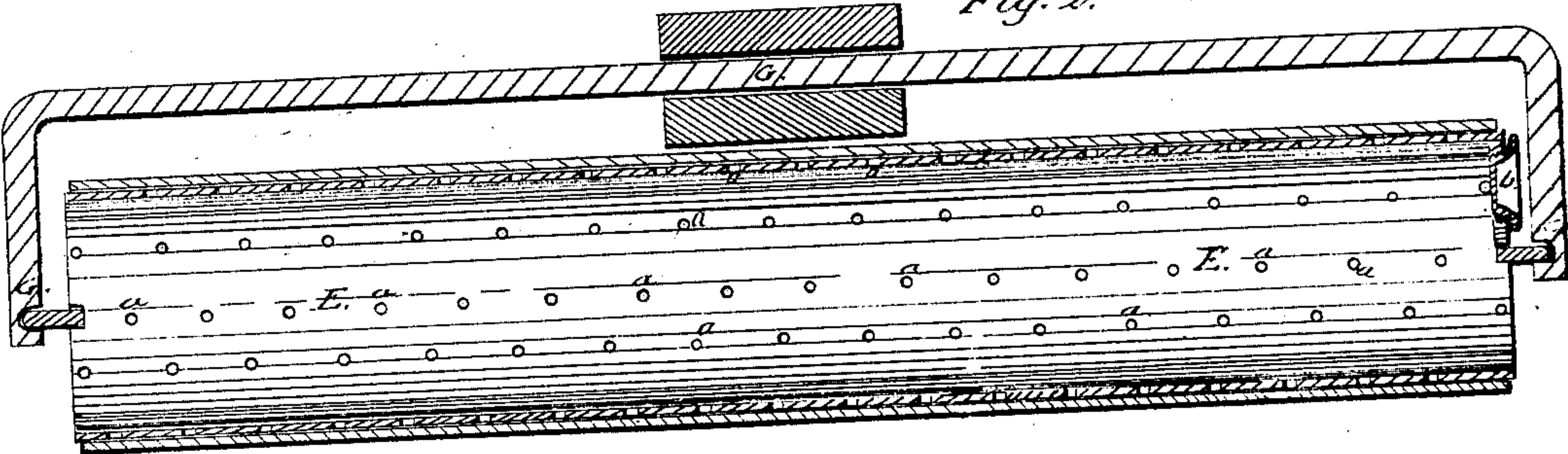
*Patented Apr. 27, 1858.*



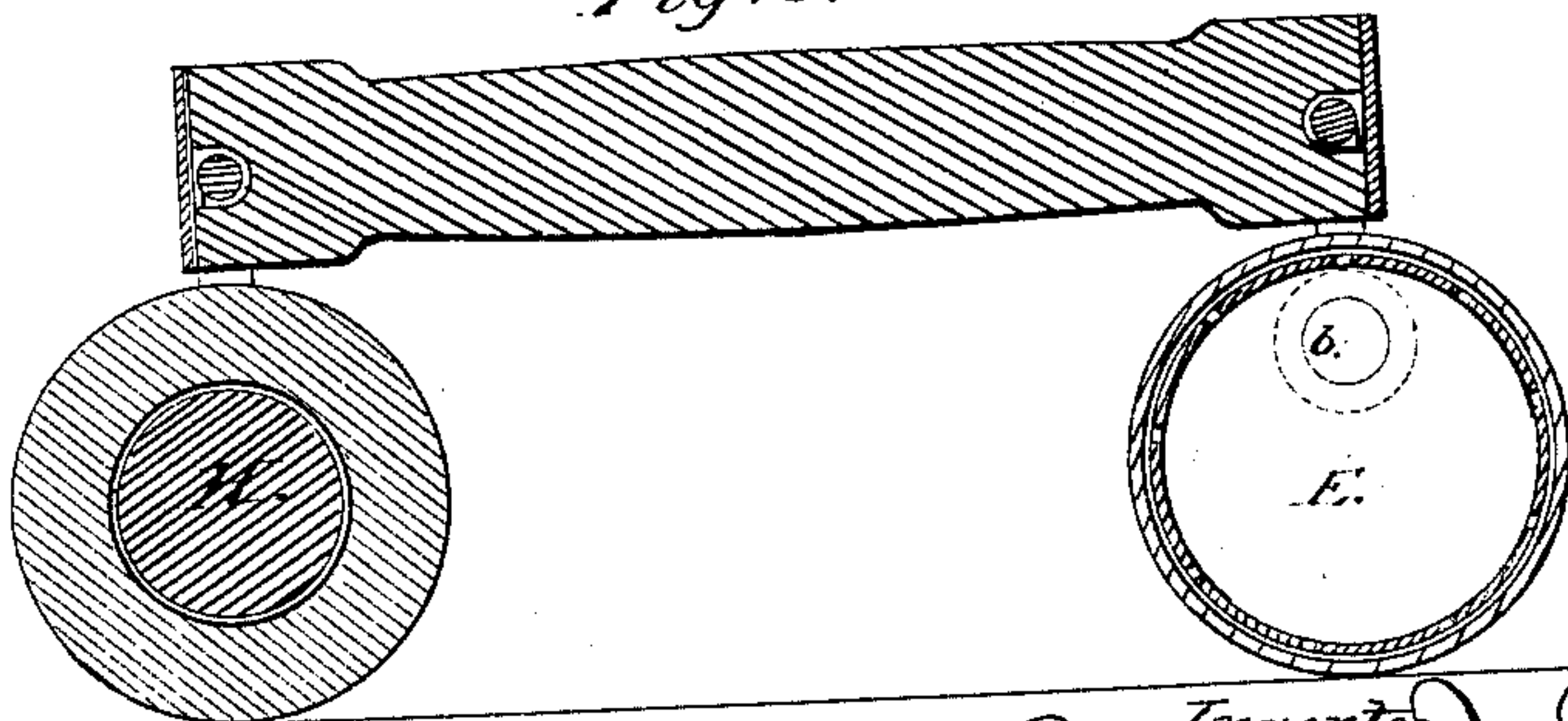
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



*Witnesses*  
*C. H. Heath*  
*By: H. Currier*

*Inventor*  
*John A. Lynch*



# UNITED STATES PATENT OFFICE.

JOHN A. LYNCH, OF BOSTON, MASSACHUSETTS.

## MACHINE FOR WETTING PAPER.

Specification of Letters Patent No. 20,077, dated April 27, 1858.

*To all whom it may concern:*

Be it known that I, JOHN AUGUSTUS LYNCH, of Boston, county of Suffolk, and Commonwealth of Massachusetts, have invented a new and useful machine for dampening or wetting paper, &c., and particularly for dampening the sheets of letter-books used in copying letters with a press; and I hereby declare that the following is a full and complete description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1, is a top view. Fig. 2, is a sectional view taken through the lines A, B, of Fig. 1. Fig. 3, is also a sectional view taken through the lines C, D, of Fig. 1.

The present invention consists in a new implement or machine to be used in copying letters, &c., into copying books, in lieu of the usual process of first wetting the sheet by a brush or otherwise, and then absorbing the superfluous water with a sheet of blotting paper. My new apparatus for this purpose consists of a hollow perforated cylinder covered with cloth, and containing water; and a second cylinder covered with blotting paper, the two cylinders being connected by a handle, and revolving in a frame, whereby the sheet upon which the impression is to be made will be dampened by the water cylinder and the superfluous moisture absorbed by the second cylinder at one operation, by passing the machine once over the sheet.

The wetting cylinder E, revolves in the frame G. It is composed of thin metal and perforated with small holes *a, a, a*. It is supplied with water through the opening *b* in the end, which is closed by a screw cap. The cylinder is covered with cloth or other porous and absorbing substance. Care must be taken to cover the cylinder in proportion to the size and number of the holes, the object being to have this absorbing covering always wet enough to impart sufficient damp-

ness to the sheets which it may be rolled over, but not to leak or drop the water when stationary resting on a non conducting substance. If properly supplied with holes and carefully covered, the draft of water from the cylinder will be in exact proportion to the use, and a sufficient quantity of air will find its way into the cylinder through the covering to take the place of the water exhausted.

H, is a wooden roller with blotting paper covering revolving in the frame G, which may be passed over to remove any superfluous moisture.

I is a handle attached to the frame G which serves to connect the cylinder E and roller H, so that they can be revolved together.

From the foregoing description it will be seen that by combining the wetting cylinder E and roller H with the handle I, connecting the two in the manner described, a new implement or machine is obtained, which performs the different operations of wetting the sheet and absorbing the superfluous moisture, by taking hold of the handle and passing the apparatus once over the sheet.

Having thus described my improvement I shall state my claim as follows: I do not claim a hollow perforated cylinder through which water oozes as a similar device has been used for coating the inking roller of a printing press, but

What I do claim as my invention and desire to have secured to me by Letters Patent, is—

The combination of the wetting cylinder E, handle I and roller H as described, the whole constituting a new implement or machine by which the sheet on which the impression is to be taken, can be dampened and its superfluous moisture absorbed by passing the apparatus once over the sheet.

JOHN A. LYNCH.

Witnesses:

C. H. HEATH,  
BENJ. H. CURRIER.