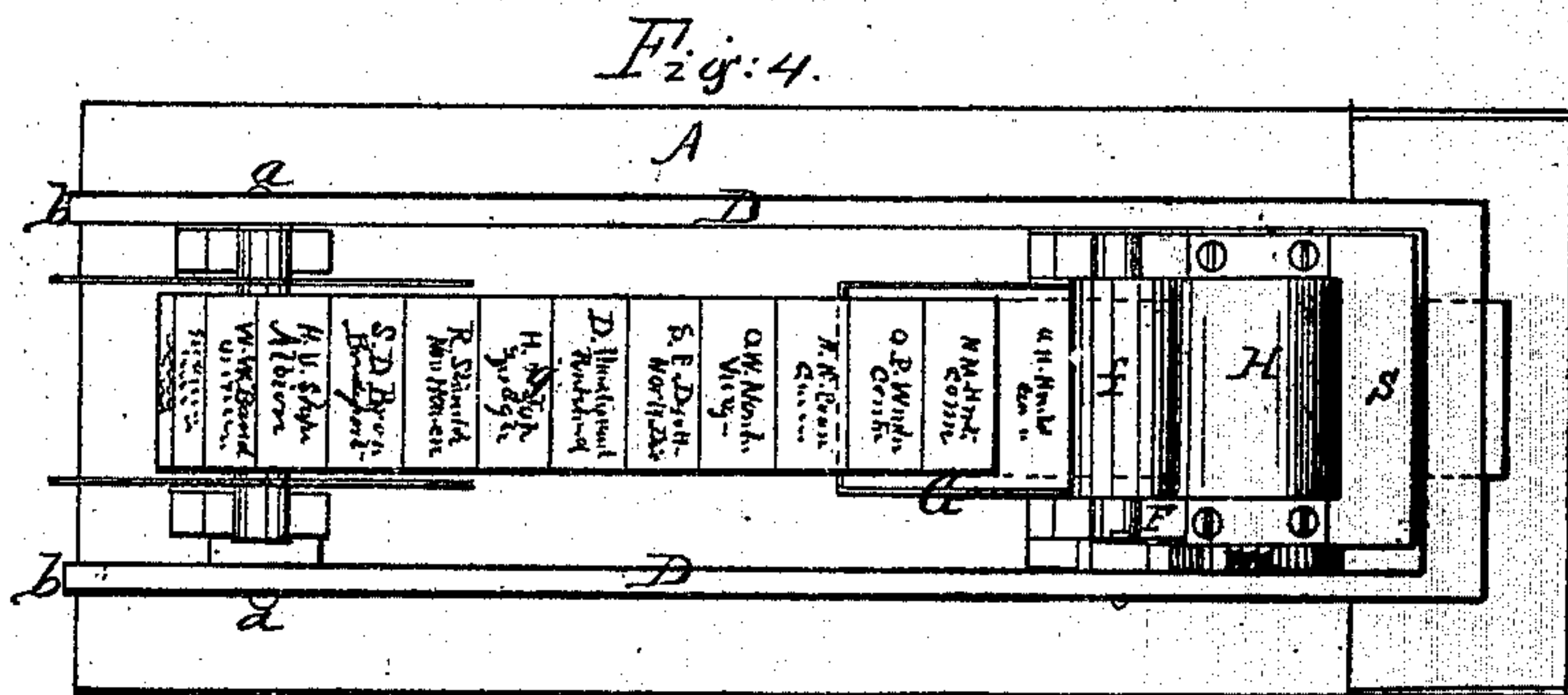
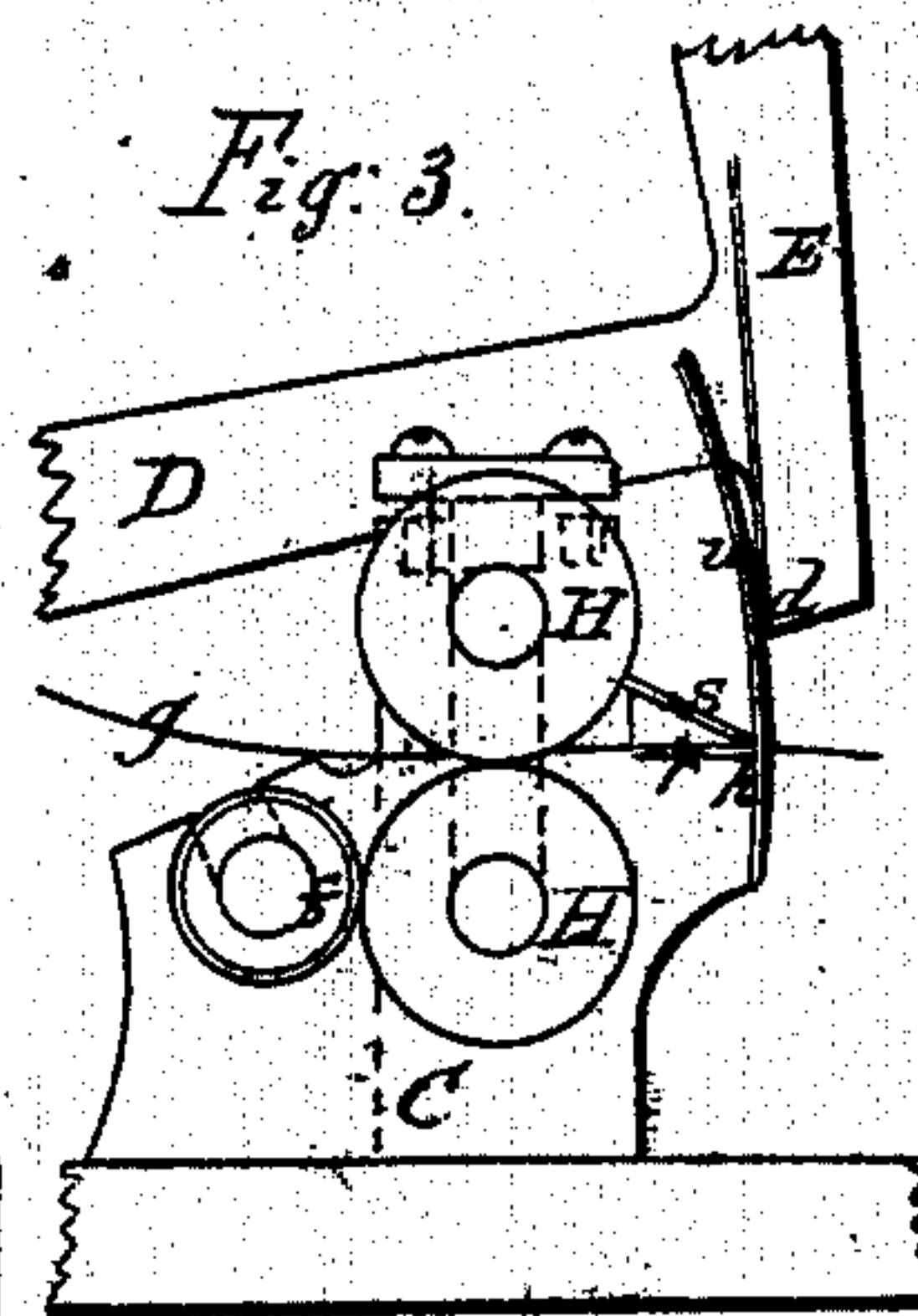
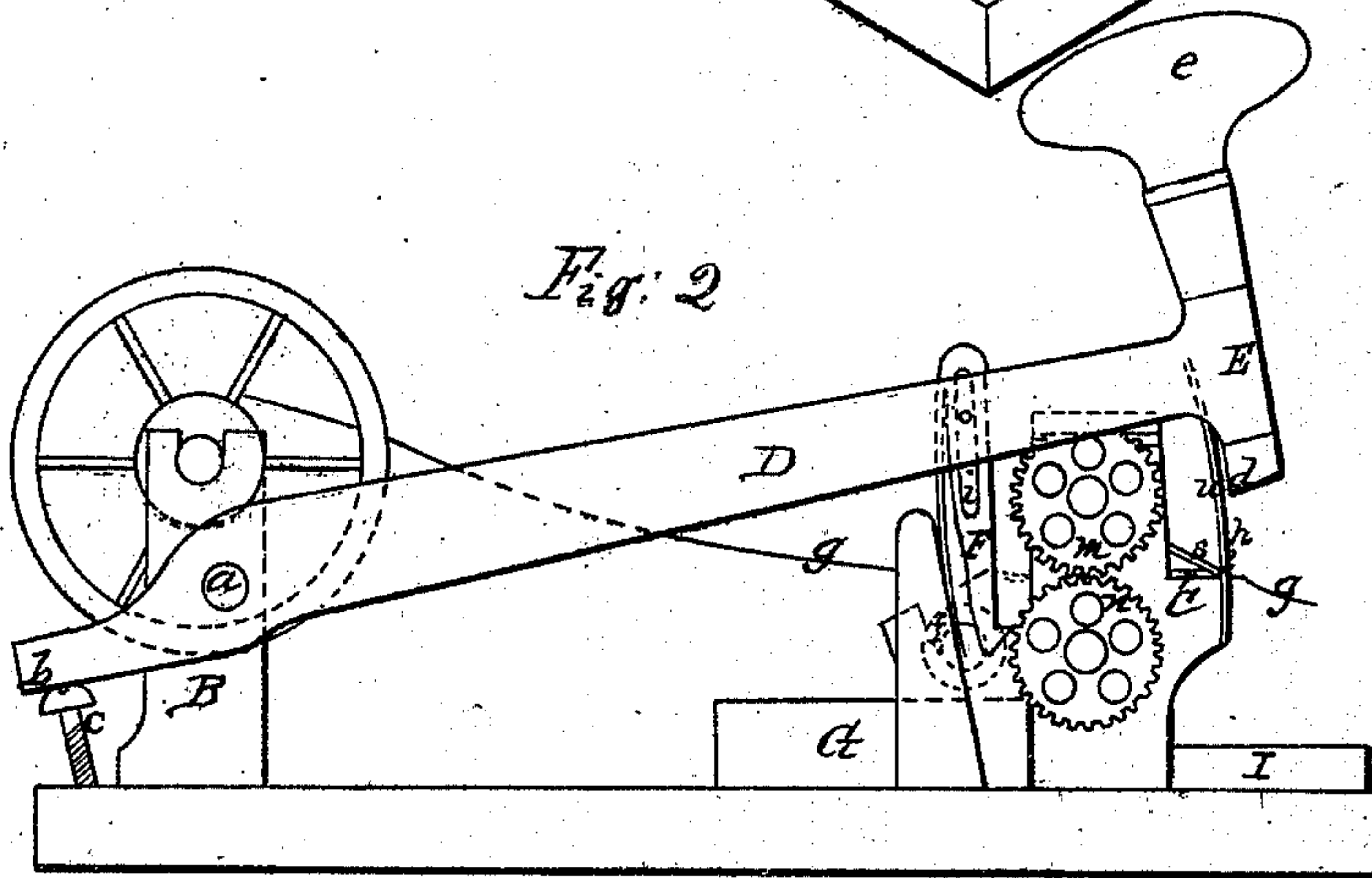
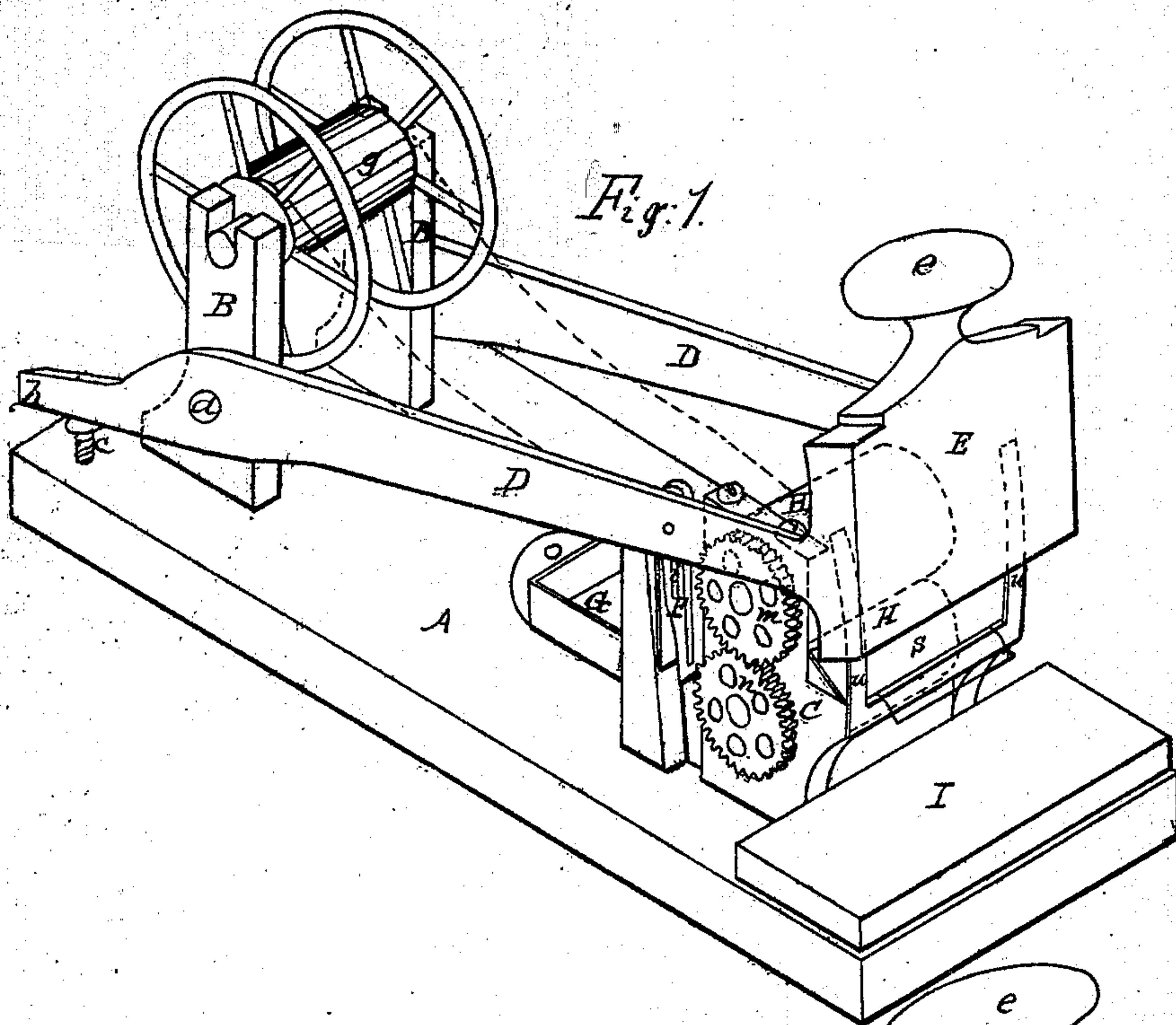


R. W. Wright.
Addressing Mach.

No 26543.

Patented Dec. 20. 1859.



Witness
A. B. Stoughton
C. Cohen

Inventor
Robert W. Wright

UNITED STATES PATENT OFFICE.

ROBERT W. WRIGHT, OF NEW HAVEN, CONNECTICUT.

MACHINE FOR FEEDING UP, CUTTING, AND PASTING DIRECTIONS ON NEWSPAPERS, &c.

Specification of Letters Patent No. 26,543, dated December 20, 1859.

To all whom it may concern:

Be it known that I, ROBERT W. WRIGHT, of New Haven, in the county of New Haven and State of Connecticut, have invented certain new and useful Improvements in Machines for Feeding up, Gumming or Moistening, Cutting Off, and Pasting on the Directions on Newspapers, Magazines, Pamphlets, or any other Printed Matter; and I do hereby declare the following to be a full, clear, and exact description of the construction and operation of the same, as well as what distinguishes it from all other machines known for this purpose, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 represents a perspective view of the apparatus. Fig. 2, represents a side elevation thereof. Fig. 3, represents a section through the feed rolls, and cutting apparatus, and Fig. 4, represents a top plan.

Similar letters of reference where they occur in the several figures, denote like parts of the contrivance in all of them.

My invention consists in taking ribbons, fillets or strips of paper on which names and directions are printed at equal distances apart, and applying them to a machine where they are automatically, and periodically fed up, gummed (or moistened if previously gummed), cut-off, and pasted on, to newspapers, magazines or pamphlets, either by working the machine by hand or by connecting it to the press or machine where said things to be directed are printed, folded or in anywise prepared for circulation or distribution.

To enable others skilled in the art to make and use my invention, I will proceed to describe the same with reference to the drawings.

A represents a bed or frame, on which are arranged two uprights B, for supporting a reel that is to hold the strip fillet or ribbon of names—said names and directions being equidistantly arranged or spaced apart on said strip or strips of paper. At the opposite end of the bed or frame are arranged two pillar-blocks C for forming bearings for the journals of the gumming or moistening, and feeding rolls, as well as a support for the stationary part of the cutting device as will be explained hereafter.

D, D, are two levers or arms pivoted at a

to the uprights B—their rear ends *b*, projecting back of the pivoted points *a*, so as to strike upon the adjusting and regulating screws *c*, when they are vibrated. To the forward part of these levers D, is attached a cross-head E, that carries the blade or shear cutter *d*—there being a handle *e* connected to E, for working the machine by hand—though it may as readily be connected with and worked by any of the moving parts of a printing press or other machine.

F, is a spring pawl, which is operated by one of the levers D, by means of a pin in the lever, working through a slot *i* in the pawl, so that the lever will have an extent of motion without working the pawl, for a purpose to be explained.

G, is a box or trough for gum or mucilage of any kind when the fillet of paper is to be gummed as it passes through the machine—or for water, when the strip has been previously gummed, to moisten it, and prepare it for adhesion to the newspaper or other article to be addressed. Over this trough is arranged a roller *f*, for supplying the mucilage or water to the fillet of paper *g*, that passes over it.

H, H, are the feed rolls, for drawing along the strip of paper from the reel, and in advance of these rolls, is placed the stationary shear blade, or cutter *h*, which acting in concert with the movable cutter *d*, severs the paper at exactly uniform distances—and the cross-head or stock E, is so formed on its underside as to carry down the severed strip or name and stick it onto the paper or other thing to be addressed which lies upon the elastic bed I, made of rubber or any other suitable elastic material.

The two feed rolls H, H, are geared together by gear wheels *m*, *n*—the spring pawl F, catching into the one *n*, and causing it to revolve a portion of a revolution, and thus turn its mate or fellow, to periodically feed up the strip of paper. If the pawl and ratchet should feed up the strip either too fast, or too slow, to bring the separate names and addresses not in the exact position required, it is only necessary to shorten or lengthen the vibration of the levers D, by adjusting the set screws *c*, to effect an exact feed motion.

r, is an under, and *s*, an upper guide plate between which the strip or fillet of paper passes to prevent the vibrating shear blade

from misplacing it. The vibrating shear blade moves in the arc of a circle of which a is the center, but the cut is in a tangential line, and to prevent the blades from cutting against each other, circular guides u which may be elastic, are so arranged as to prevent any such contingency. The slot i , in the pawl F , allows the vibrating shear blade to rise above the throat formed by the two guard plates r , s , and through which the strip of paper passes before the feeding up begins—were it otherwise the paper would strike the shear blade or its stock, and become disarranged.

The operation of the machine is obvious. The end of the paper is passed through the throat, and then the levers carrying the vibrating knife are operated by hand or by machinery, and the names and addresses being equally spaced on the strip, are cut off, and carried down, and pasted onto the paper, magazine, sheet or pamphlet lying on the bed I . A shear knife pivoted at one of its ends, cannot carry down a slip thus cut off, as its hinged end, cannot descend below the hinged point; and if the bed were raised or inclined to adapt it to such an inclined position as it would have, it would

be troublesome to introduce the paper or other thing to be addressed underneath it.

In the perfect working of this machine the names or addresses must be arranged at exactly equal distances from each other on the strip of paper, otherwise they cannot be regularly fed up to the point where they are to be cut off and pasted onto the thing to be addressed—and this equidistantly spacing, with an intermittent motion of the parts working in concert with it, constitutes the gist of my invention.

Having thus fully described the nature and object of my invention what I claim therein as new and desire to secure by Letters Patent is—

In combination with a strip or fillet of paper on which the names or addresses are equidistantly arranged, an intermittent feed motion, and a pasting, cutting, and carrying device working automatically together, substantially as herein described and represented.

ROBERT W. WRIGHT.

Witnesses:

A. B. STOUGHTON,
E. COHEN.