

G. Henderson.
Addressing Mach.

N^o 25303.

Patented Sept. 6. 1859.

Fig: 1.

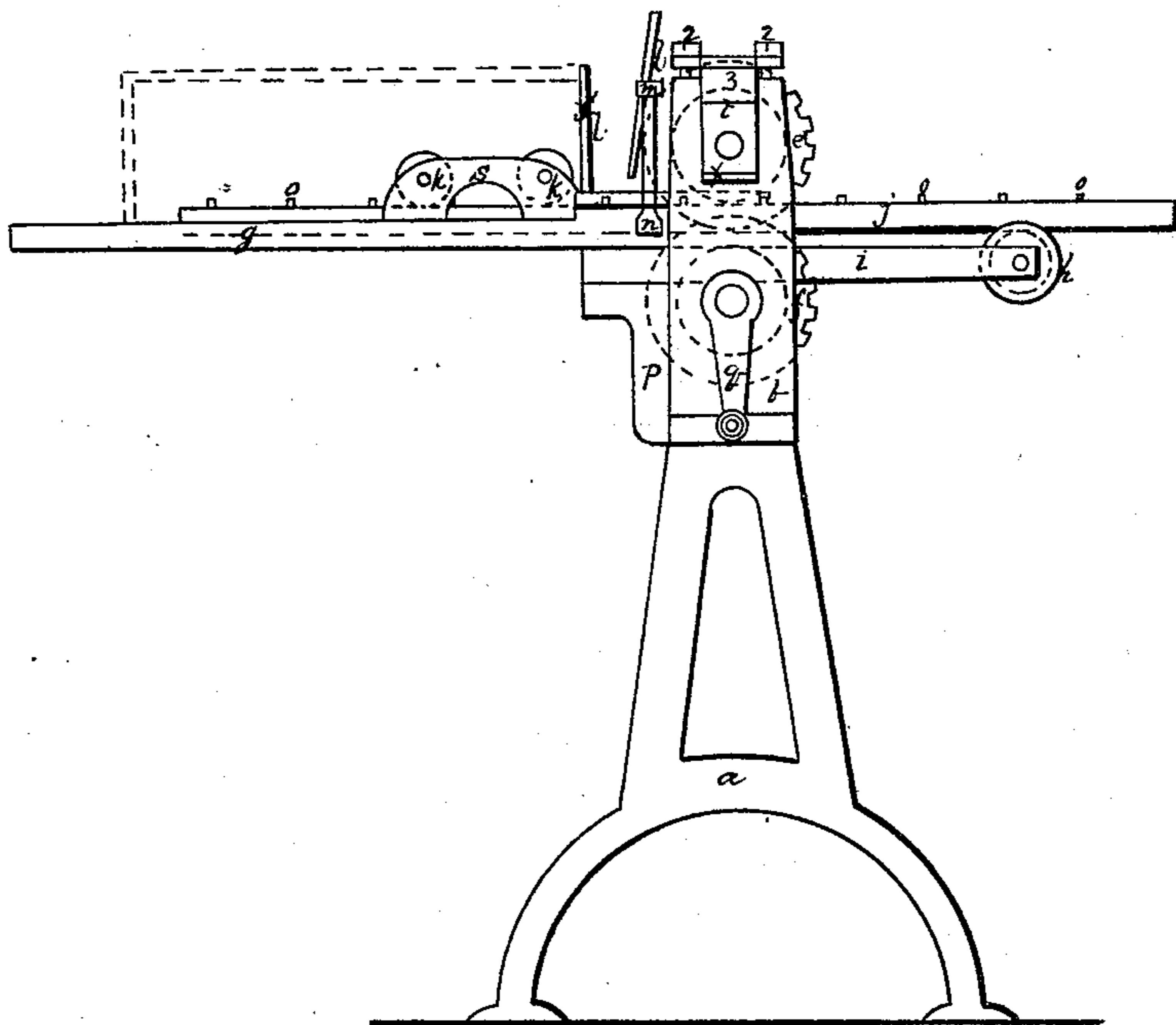


Fig: 2.

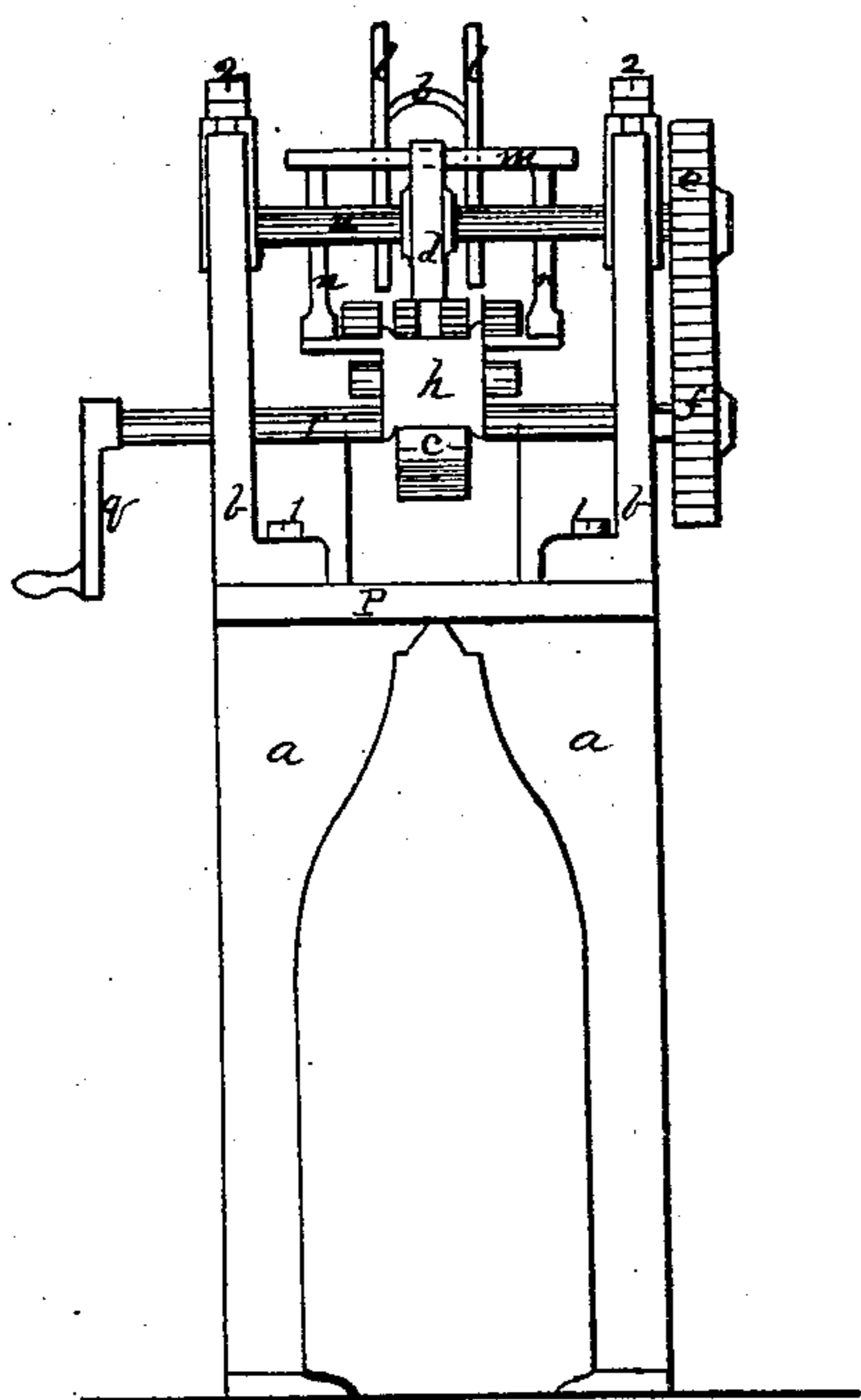


Fig: 3.

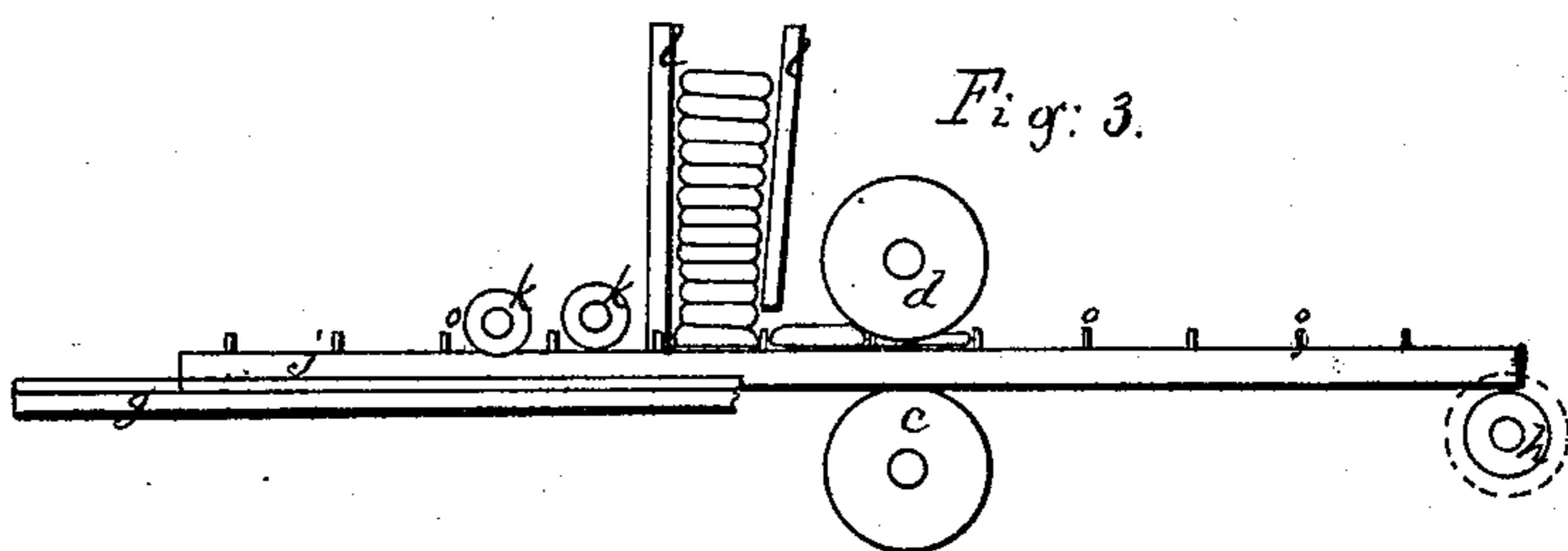
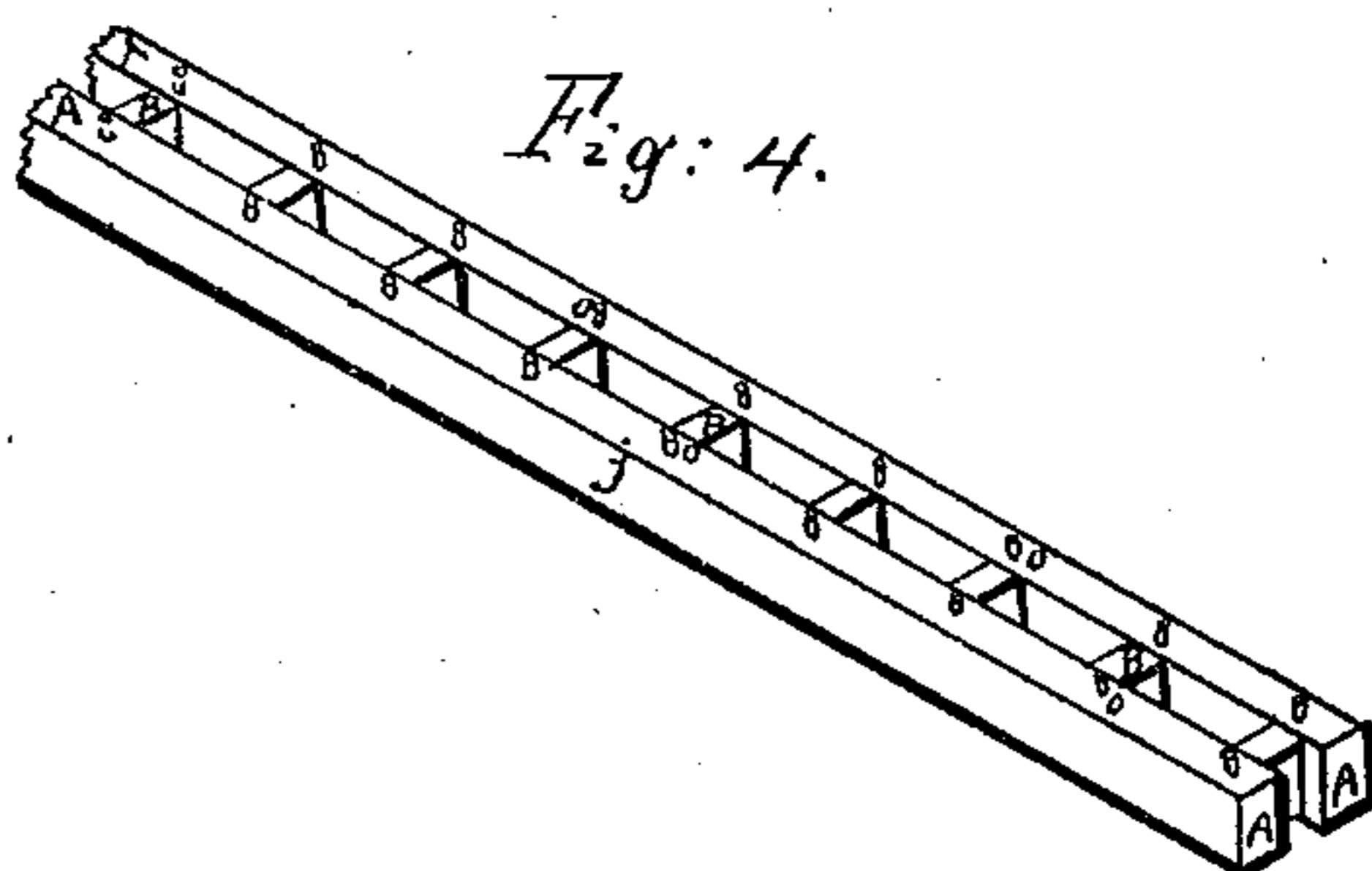


Fig: 4.



Witnesses
James J. Johnston
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UNITED STATES PATENT OFFICE.

GEORGE HENDERSON, OF ALLEGHENY, PENNSYLVANIA, ASSIGNOR TO HIMSELF AND
GEORGE HUTCHISON, OF SAME PLACE.

PRINTING-PRESS FOR ADDRESSING NEWSPAPERS, &c.

Specification of Letters Patent No. 25,363, dated September 6, 1859.

To all whom it may concern:

Be it known that I, GEORGE HENDERSON, of the city and county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Printing-Presses for Imprinting the Names and Addresses on Envelops, Newspapers, &c.; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon.

Similar letters refer to similar parts.

The nature of my invention consists in the combination and arrangement of a guide table and pulleys, press wheel, conveying pulley, and inking rollers with a type frame and open hopper, the whole being combined arranged and constructed in the manner hereinafter described for the purpose of imprinting names and addresses on envelops, newspapers &c.

In the accompanying drawings, Figure 1, is a side view of the press. Fig. 2, is an end view. Fig. 3, is a sectional view, representing in outline the hopper, press wheel, conveying pulley, inking rollers, type frame, guide table and pulley. Fig. 4, represents a broken section in perspective of the type frame.

To enable others skilled in the art to make and use my invention I will proceed to describe its construction and operation. (a) are the pedestals of the press, (b) are the bearings for supporting the axles or shafts (u and r); the bearings (b) are secured to the pedestals by means of bolts or screws marked (1); (c) on shaft (r) is the conveying pulley, (d) on shaft (u) is the press wheel. The shafts (u and r) are furnished with two cog wheels (e and f) which gear into each other, and are used for the purpose of giving to the conveying pulley and the press wheel the same motion and speed. The journals of the shaft (u) are furnished with two movable plumber blocks which are held in the desired position by means of set screws marked (2) and the elastic springs marked (3 and x); the elastic springs being used for the purpose of allowing the press wheel to yield to any variation in the size of the paper or to any undue pressure. The guide table (g) and the supports for the guide pulley (h) are secured to the cross piece marked (p). The inking rollers (k) are furnished with a suitable frame which is

placed on the guide table (g) and arranged so as to ink the type in the frame (j) as it passes under the inking rollers (k). The frame (m and n) is secured to the table (g), this frame with the rods (l) forms the open hopper; the two rods in the cross piece (m) are movable and can be set so as to allow any desired space for the papers to pass through. The red dotted lines represent a rack which may be set on the table (g) above the type frame, to be used for holding papers so as to readily supply the hopper when required. The type frame which consists of two side pieces marked (A) and division pieces marked (B) is furnished with pins marked (O) which are used for conveying the papers from the hopper.

I wish it to be clearly understood that I do not confine myself to the use of the pins (o) as cross strips &c. will answer the same end; nor do I limit myself to any particular form or size of the various parts of the press, as these may all be varied so as to suit the taste and judgment of the mechanic, but the combination and arrangement must be substantially the same, accomplishing the same things, as described in this specification and represented in the accompanying drawings.

The operation of my invention is as follows: Having all things arranged as represented in Figs. 1, 2, and 3, the press is put in motion by applying power to the crank (q); the type frame (j) is moved along on table (g) until it comes in contact with the press wheel (d) and the conveying pulley (c) which will then carry it forward; the type frame with its pins will carry in regular order one paper after another from the hopper to the press wheel which will bring the paper in contact with the type thereby imprinting the name or address, after which the papers and type frame are carried forward and beyond the press wheels and then removed by the operator or other suitable device.

Having thus described the nature construction and operation of my improvement, what I claim as of my invention and desire to secure by Letters Patent of the United States is—

1. The combination and arrangement of the guide table (g) and pulley (h), the press wheel (d), the conveying pulley (c), and inking rollers (k) with type frame (j) and

the open hopper, the whole being combined arranged and constructed in the manner and for the purpose herein specified.

2. The use of the open hopper when constructed as described and used for the purpose herein set forth.

3. The use of the pins (o) or their equiva-

lent on the type frame (j) for the purpose of carrying forward the papers as herein set forth.

GEORGE HENDERSON.

Witnesses:

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