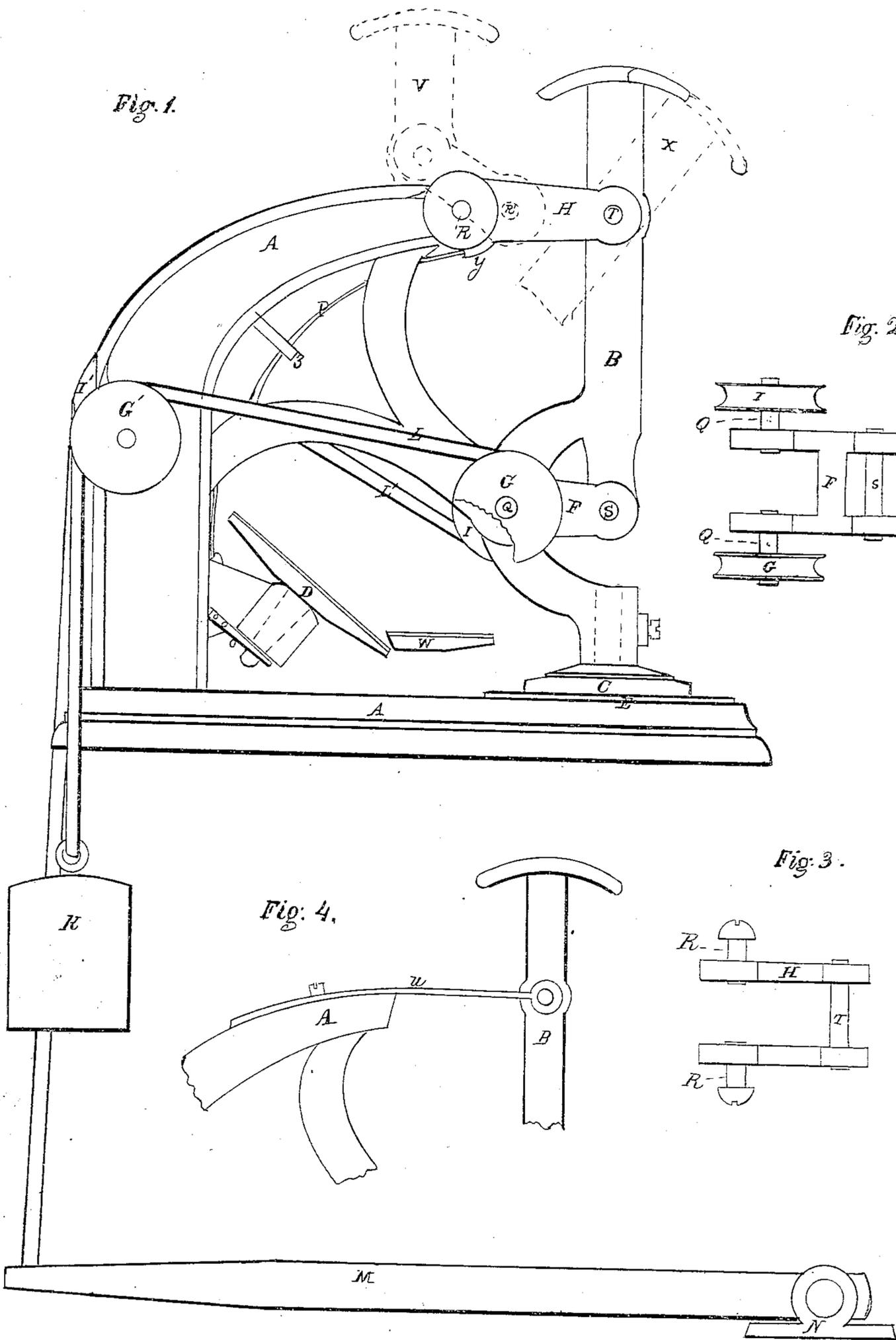


W. H. Elliot,
Hand Stamp.

No 10641.

Patented Feb 17 1857.



UNITED STATES PATENT OFFICE.

WM. H. ELLIOT, OF PLATTSBURG, NEW YORK.

PRINTING-STAMP.

Specification of Letters Patent No. 16,641, dated February 17, 1857.

To all whom it may concern:

Be it known that I, WM. H. ELLIOT, of Plattsburg, county of Clinton, State of New York, have invented a new and Improved
5 Printing Stamp; 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.

10 Similar letters of reference indicate the same parts in each drawing.

The nature of my invention consists in the employment of certain devices by which the die is carried from the impression pad
15 to the inking apparatus, and back again to the impression pad so that the die or type is inked and the impression made by the application of force by the hand or foot, the power being applied in one direction only;
20 the motion of the die being controlled by cranks or arms in connection with a spring or weight.

To enable others skilled in the art to make and use my invention I will proceed to describe its construction and operation.

25 Figure 1, elevation of the printing stamp. Fig. 2, plan of crank F with pulleys. Fig. 3, plan of crank H. Fig. 4, elevation of crank H, and spring P, combined in one
30 piece, with a portion of the frame and die carrier.

A, frame; B, die or type carrier, C, die; D, inking apparatus; E, impression pad; F, crank being attached to the frame at Q
35 and turning upon that point being attached also to the die carrier at S; G, pulley attached to crank F and turning with it on pins Q; I, another pulley attached like pulley G; K, weight; L, cord attached to
40 pulley G, at one end passing over pulley G' and attached at the other end to weight K; L', cord attached to pulley I passing over I' and attached at the other end of treadle M; N, hinge of treadle; O, spring for tilting
45 the inking apparatus; P, spring; U, combined spring and arm, or crank; *b*, dotted lines showing another method of carrying the die to the inking apparatus; W, position of inking apparatus when the die carrier
50 occupies the position represented by *b*; X, position of the die carrier when the die is receiving the ink.

Operation: The die carrier is represented in Fig. 1 in the position of giving the im-
55 pression, being driven down by the hand. As the hand is removed the spring P in its

tendency to straighten presses against projection *y* on arm or crank H and causes said crank to rise suddenly. When the middle of the spring comes in contact with stop *z*, it
60 ceases to act upon crank H, but the impetus which the several parts have acquired from the power of the spring, causes crank H to rise sufficiently high to allow the crank F to pass over from right to left, placing the die
65 over the inking apparatus, the die carrier occupying the position indicated by dotted lines *x*, on nearly that position. When the die carrier is driven down in this position the crank H assumes the position indicated
70 in the drawing, and as the hand is removed the parts again rise by the force of the spring and are carried and remain suspended over the impression pad, ready to be driven down for the purpose of making the
75 impression, so that by the combined action of the spring P, and arm or crank H, the die is caused to bound alternately from the impression pad to the inking apparatus and back again to the impression pad, being put
80 in motion simply by the force of the hand upon the top of the die carrier. In its operation by the foot the cord L being attached to the weight K at one end and to pulley G at the other end, and the pulley G, being at-
85 tached to crank F, the tendency of the weight is to cause the crank F to revolve from right to left carrying the die from the impression pad and placing it upon the ink-
90 ing apparatus, and then by depressing the treadle by the foot, the cord L' being attached to the lower side of pulley I at one end and to the treadle at the other end causes the crank F to revolve from left to
95 right carrying with it the die and placing it upon the impression pad with sufficient force to produce the impression, so that by each depression of the treadle an impression is obtained.

Pulleys G' and I' only serve for the cords
100 to pass over so as to give them the desired direction. Another method is shown by dotted lines *b* of carrying the die from the impression pad to the inking apparatus, and back again; which varies from the first only
105 by making the crank H, the same length of the crank F, and pivoting it, as represented, to the frame at R'. In this case the two cranks revolve alike. W, shows the position that the inking apparatus would occupy in
110 case crank H were made as represented at *b*.

Having described my invention, what I

claim and wish to secure by Letters Patent is—

1. The crank F, and crank H when used in combination, operating in any manner substantially the same.

2. The same when working in connection with the treadle as specified.

3. The combination of spring P, and crank H, when operating as specified in connection with crank F.

WM. H. ELLIOT.

Witnesses:

THOMAS C. DONN,
WM. I. PARHAM.