(No Model.)

W. N. WHELESS.

STAMPING MACHINE.

No. 289,047. Patented Nov. 27, 1883.

FIG. 1.

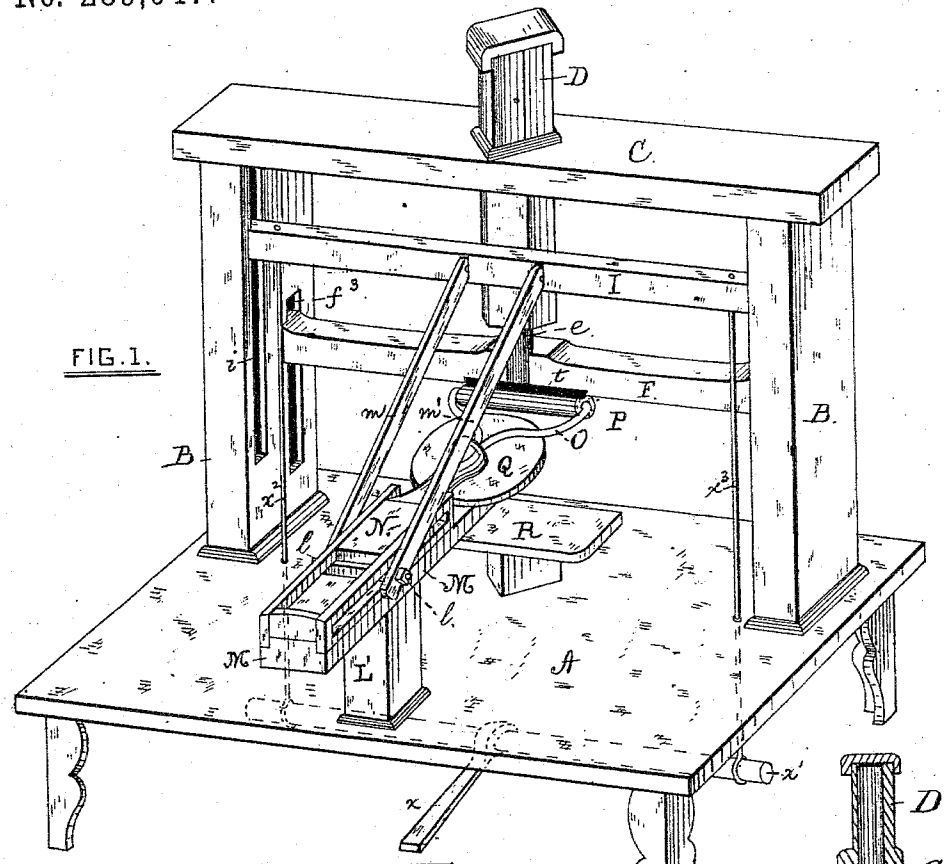


FIG. 2.

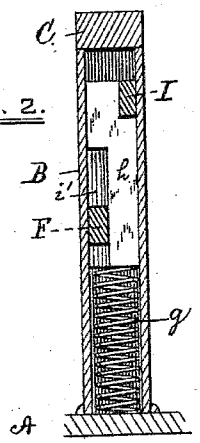


FIG. 3.

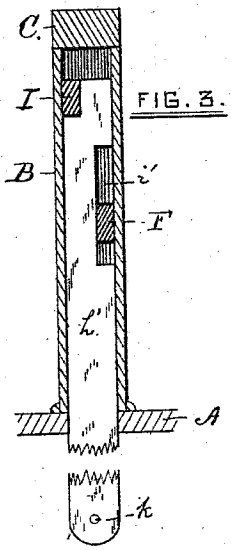
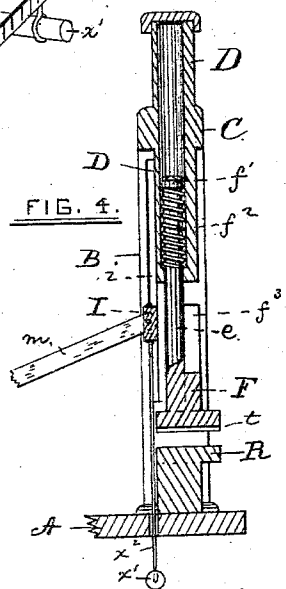


FIG. 4.



WITNESSES

J. J. Reilly.

Alex Mahon

INVENTOR

Wesley N. Wheless

By H. N. Jenkins

ATTORNEY

N. PETERS, Photo-Lithographer, Washington, D. C.

UNITED STATES PATENT OFFICE.

WESLEY N. WHELESS, OF AUGUSTA, GEORGIA.

STAMPING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 289,047, dated November 27, 1883.

Application filed February 23, 1883. (No model.)

To all whom it may concern:

Be it known that I, WESLEY N. WHELESS, a resident of the city of Augusta, county of Richmond, and State of Georgia, have invented a certain new and useful Improvement in Stamping-Machines; and I do hereby declare the following to be a full, clear, and correct description of the same, reference being had to the annexed drawings, making a part of this specification.

This invention relates to that class of machines usually employed by persons connected with banks, railroads, post-offices, &c., to stamp or cancel checks, tickets, letters, &c. The machine is adapted to be worked by foot-power, leaving the hands of the operator free to feed the same, by which means better results are obtained with less expenditure of vital force, while at the same time a greater speed can be attained than is possible with any other stamping-machine of which I have any knowledge.

My invention will be better understood by referring to the accompanying drawings, whereon Figure 1 represents a perspective view of the machine. Fig. 2 is a vertical section of one of its guide-columns. Fig. 3 is a like view of the other guide-column, and Fig. 4 is a vertical section through a portion of the central part of the machine.

The letter A designates a table or counter, on which is erected a pair of columns, B, the upper ends of which are connected by a horizontal piece, C, having a vertical hollow stem, D, fitted in the center thereof, to receive the guide-rod *e* of a cross-head, F. The aforesaid guide-rod is provided with a collar, f', and is surrounded below the same with a spiral spring, f^2, that is fitted in the lower end of the stem D, for the purpose of exerting an upward force on the said guide-rod and its cross-head, the ends of which are arranged to operate in the vertical slots f^3 of the columns B. If the machine is to be operated by a central treadle, as shown at *x* in Fig. 1, I insert in the bottom of each column a spring, as shown at *g* in Fig. 2. On these springs are supported the slides *h* of a second cross head or bar, I, operating in a second set of vertical slots in the columns B, as shown at *i*. The slides *h* have recesses i' cut in their front edges, of sufficient width to fit over the ends of the cross-head F and of such length as to permit of a limited downward movement before impinging against the same. The downward movement is effected through a foot-treadle, *x*, and horizontal rod x', the ends of the latter connected with the cross-head I by means of the rods x^2 x^3. If the machine is to be operated by a side lever, one of the aforesaid slides *h* (see Fig. 3) should be made of sufficient length to project downwardly through a hole made for the said purpose in the table or counter, and be provided at its lower end with a bolt-hole or pins, *s*, for a treadle-connection. In such case the spring under the opposite slide should be made somewhat stronger, so as to insure the bringing of the parts to their normal positions when the treadle is released from pressure.

Midway between the columns B, and at a given distance in rear of same, is a vertical column, L, on the top of which is a guide frame or table, M, in which is fitted a sliding block, N, having an inner projecting end carrying a frame, O, in which is mounted an ink-roller, P, which, in its forward and rearward movement, operates over an ink-pad, Q, that is fitted to the front end of the frame M. The sliding block N is provided with side pins, *l*, on which are fitted the lower ends of a pair of connecting-rods, *m* m', that have their upper ends pivoted in the cross-head I, as shown.

The stamp proper, *t*, is secured in any desirable manner to the under side of the cross-head F, at or about its center, and immediately below the same is a block or cushion, R, on which the article to be stamped is placed.

In order to operate the machine, the operator depresses the treadle, which causes the cross-head I to move downwardly, and the ink-roller, through its connection therewith, to move backwardly over the face of the stamp. The movement of the treadle, being continued, causes the slide *h* to impinge against the cross-head F, moving it downward until the stamp *t* is brought in contact with the letter or other article to bear the imprint thereof. The foot is then removed from the treadle, when the parts fly back to normal positions, the ink-roller meanwhile passing forward over the stamp again, in which position it is allowed to remain until the next stroke of the machine.

I do not wish to confine myself to the precise construction herein described and shown,

as changes may be made without departing from the spirit of the invention.

What I claim, and desire to secure by Letters Patent, is—

1. The columns B, mounted on a suitable base or table, and having their upper ends connected by a beam, C, carrying a hollow vertical stem, D, in combination with the cross-head F, having a guide-rod, *e*, provided with a collar, *f'*, and a spring, f^2, adapted to fit between said collar and the bottom of the stem D, the said columns provided with vertical slots to receive the ends of the aforesaid cross-head, and the latter having a stamp, *t*, secured thereto, substantially as and for the purpose set forth.

2. The columns B, mounted on a base or table, A, and provided with slots *i* and f^3, the cross-head I, having ends or slides *h*, and the spring or springs *g*, adapted to fit within the columns and under the aforesaid slides, in combination with the cross-head F, having ends adapted to operate in the slots f^3 of the columns and the recesses *i'* of the slides, and having its guide-rod *e* supported by a spring, f^2, substantially as described, and for the purpose set forth.

3. In a stamping or canceling machine, the columns B, having vertical slots *i* and f^3, receiving the ends of cross-heads I and F, the former having slides connected with the ends thereof, and the latter having its ends adapted to operate in recesses made in the said slides, as described, and having a guide-rod, *e*, adapted to operate in the hollow stem D of the beam C, in combination with an operating-treadle and the springs *g* and f^2, whereby the different parts are brought back to their normal positions, substantially as described, and for the purpose set forth.

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

WESLEY N. WHELESS.

Witnesses:

FRANK G. FORD,

T. T. HAMMOND.