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*P.W. Brown & J. Delarue's Printing
& Canceling Machine*

No. 118,511.

Fig. 1.

Patented Aug. 29, 1871.

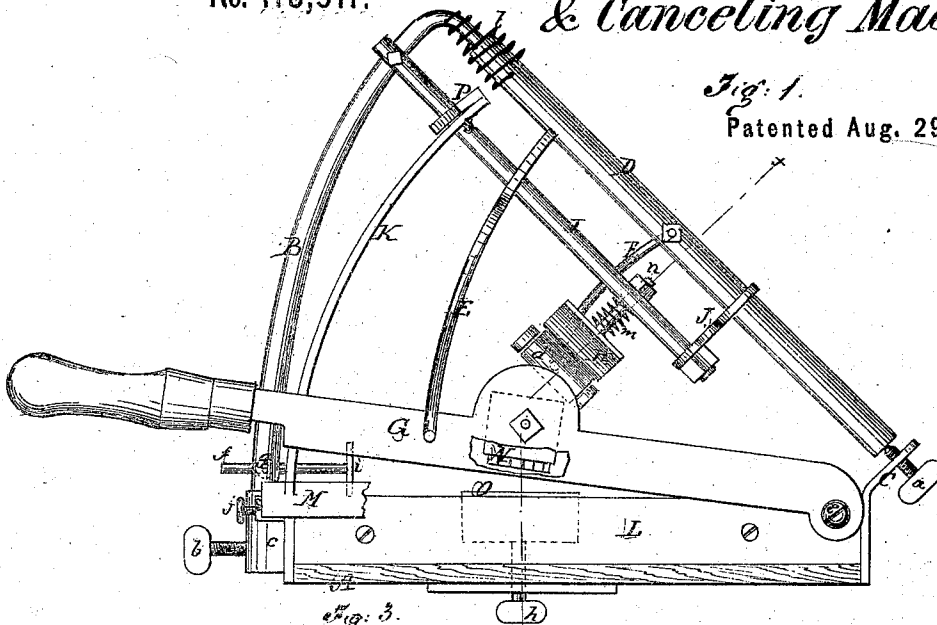


Fig. 3.

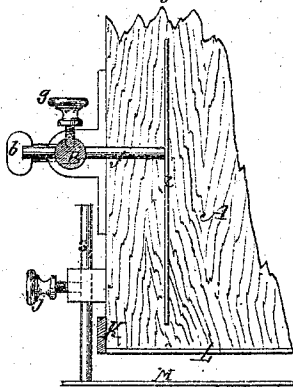
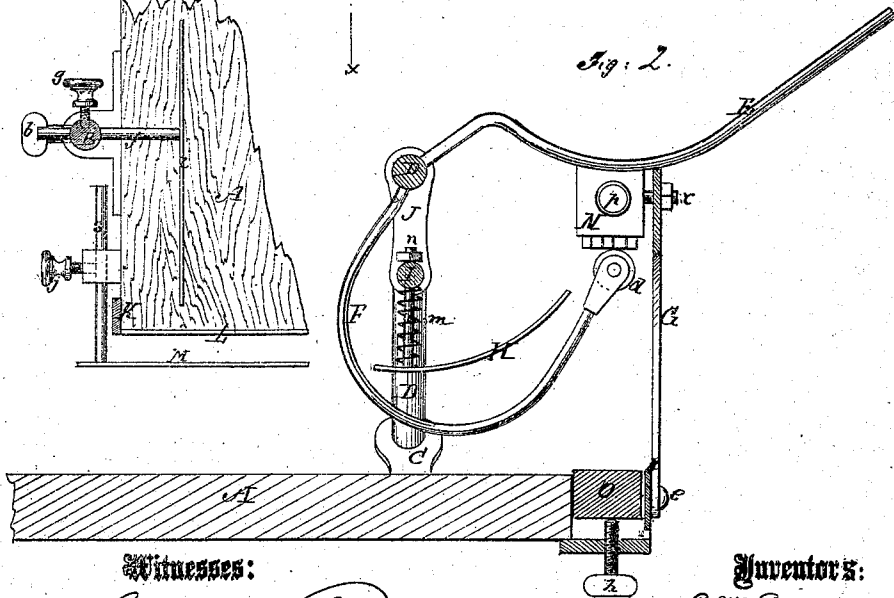


Fig. 2.



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UNITED STATES PATENT OFFICE.

PATRICK WILKIE BROWN AND JOSEPH DELARUE, OF RICHMOND, VIRGINIA.

IMPROVEMENT IN MACHINES FOR CANCELING AND SEVERING REVENUE-STAMPS, &c.

Specification forming part of Letters Patent No. 118,511, dated August 29, 1871.

To all whom it may concern:

Be it known that we, PATRICK WILKIE BROWN and JOSEPH DELARUE, of Richmond, in the county of Henrico and State of Virginia, have invented a new and Improved Machine for Printing or Canceling and Cutting Revenue-Stamps, Labels, Bill-Heads, Cards, &c.; and we do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

Our invention consists in the improvement of printing and canceling-machines, as hereinafter fully described and subsequently pointed out in the claim.

Figure 1 represents a side elevation of our machine, having a portion of the knife removed to show the position of the stamp or type-box. Fig. 2 is a sectional elevation through the line *x x* in Fig. 1. Fig. 3 is a plan view of a portion of the table, showing the gauges.

Similar letters of reference indicate corresponding parts.

In the drawing, A represents a table, from one side of which rises a curved post, B, which is adjusted vertically in a socket, *c*, and held in position by the screw *b*. The socket *c* is attached to the edge of the table A. Between the upper extremity of the post B and the screw *a*, on the bent plate C, is pivoted, in an inclined position, the rock-shaft D, from which project laterally two arms, E F. The arm E extends over and rests upon the back of the knife G, as shown. When the knife G is raised it pushes up the arm E and causes the rock-shaft D to oscillate. On the descent of the knife the spiral spring *l*, the extremities of which are attached, as shown, to the shaft D and post B, produces a backward or return oscillation of the shaft D. This movement of the shaft D gives corresponding motion to the arm F, the extremity of which is provided with an ink-roller, *d*, and the arm F carries the roller back and forth over the face of a curved yielding ink-plate, H, and thence upon the types in the box N, as shown in Fig. 2. The said plate H is supported on an arm, *n*, that projects, as shown, from a cross-bar, I, arranged parallel with and below the shaft D. The rod *n* of the ink-plate H is movable in the cross-bar I, and the ink-plate is pressed outward by the spiral spring

m. The ink-plate thus presents a yielding surface for the roller *d* to roll upon. One end of the cross-bar I is supported in a hanger, J, extending from the shaft D. The other end is supported upon the post B. Secured to one end of the table is a fixed cutting-blade, L, in conjunction with which the knife G operates, and to which it is pivoted at *e*, the knife G and blade L forming shears to cut the paper. Attached to the knife near its center is a stamp or type-box, N, containing types, which are held therein by the screw *p*. The type-box is secured to the knife by a screw-bolt and nut, *r*. Instead of the type-box a printing-block or stamp of any kind for printing may be employed. An elastic bed, O, is arranged in the table directly beneath the type-box N, so that the impression made by the latter will be received upon said elastic bed. The bed O is adjusted by a screw, *h*, which operates on the lower surface of the bed, as shown. K is a curved guide, against which the inner face of knife G bears. The guide K is attached at its lower end to the table, its upper end being supported by an arm, P, which extends laterally from the cross-bar I. *i* is a set-gauge, movable on the table A. The rod *f* of said gauge passes through the post B and is adjusted by a screw, *g*. The gauge *i* governs the position of the sheets of stamps for paper as they are fed toward the knife. M is another set-gauge, which governs the length to which the paper is to be cut by the knife. This gauge is arranged in front of the knife, as shown, and is supported upon a rod, *t*, which is held by and passes through a stud, *s*, attached to the edge of the table. The rod *t* is adjusted by the screw *j*, as shown in Fig. 3.

The sheet of paper to be printed or sheet of stamps to be canceled is pushed forward until the front edge of the paper touches the front gauge M. The knife G is now brought down, which shears or cuts off that portion of the paper which projects beyond the edge of the blade L, while, at the same time, the stamp or types N descend upon the paper and leave an impression thereupon. In the downward movement of the knife G the unwinding of the spiral spring *l* before described draws the ink-roller *d* from the types. After each stroke of the knife the sheet of paper or stamps is moved forward to the front gauge and the knife then brought down, thereby printing and cutting the paper at one operation,

Our improvement is especially applicable to the canceling and cutting of revenue-stamps, which are stamped or canceled and cut simultaneously, thus saving much time and labor; but we do not limit or confine our improvement to the canceling of revenue-stamps, as it may be employed for the printing and cutting of stamps of all kinds; also, cards, bill-heads, and other articles.

We do not confine or limit ourselves to the exact form of the parts herein described, as they may be varied without departing from our invention.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

The combination, with the shaft D, of the arms E F and one or more ink-rollers, *d*, when operating, in connection with the ink-plate H and knife G, for the purpose of inking the type attached to the knife, substantially as herein shown and described.

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Witnesses:

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