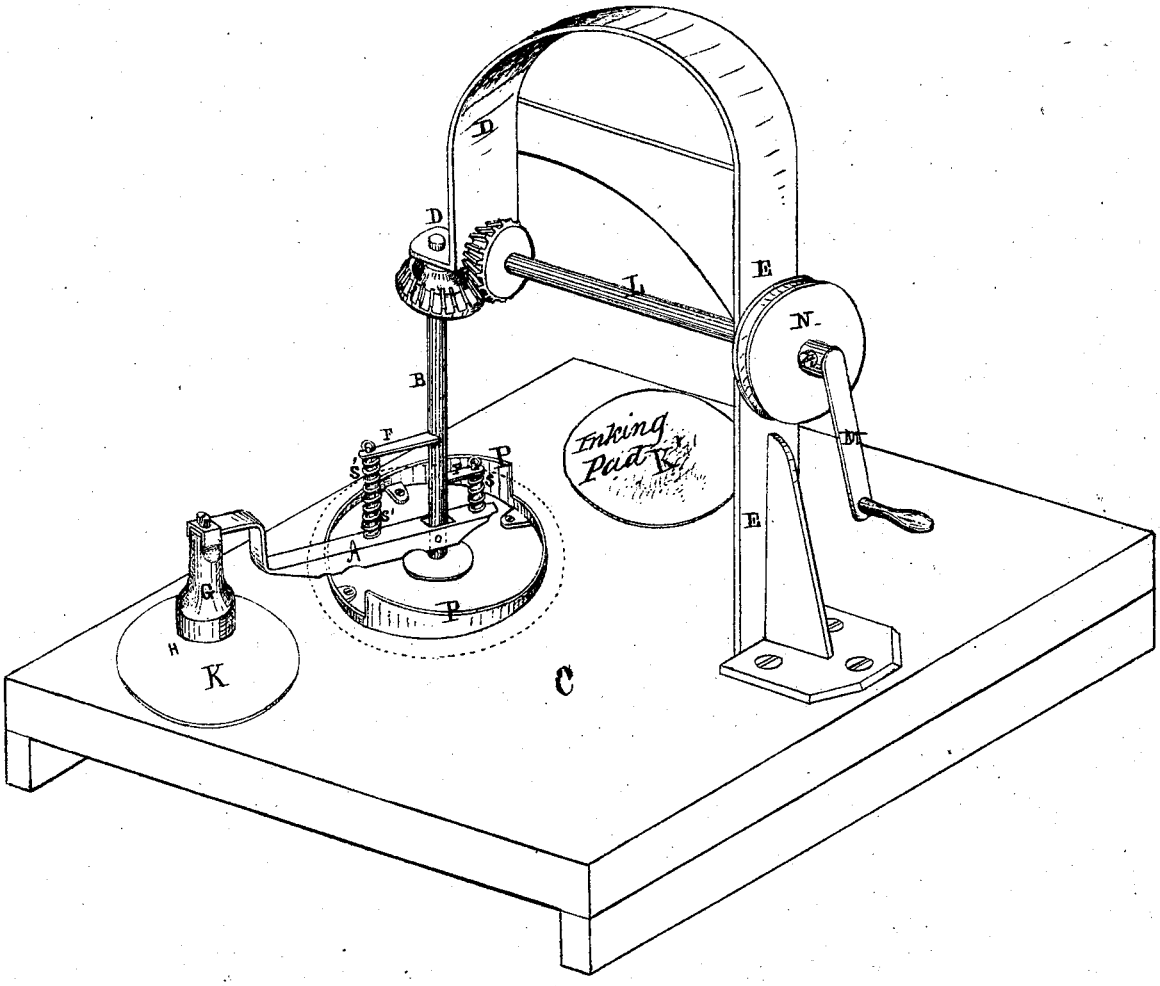
P. O. WRIGHT.

Improvement in Hand Stamps.

No. 116,132. Patented June 20, 1871.



P. O. Wright
Inventor
By David A. Burr
Atty.

WITNESSES
F. H. Young
Ewell & Dick

UNITED STATES PATENT OFFICE.

PARKER O. WRIGHT, OF OSWEGO, NEW YORK.

IMPROVEMENT IN HAND-STAMPS.

Specification forming part of Letters Patent No. 116,132, dated June 20, 1871.

To all whom it may concern:

Be it known that I, PARKER O. WRIGHT, of Oswego, in the county of Oswego and State of New York, have invented a new and Improved Rotary Canceling-Stamp, of which the following is a specification:

Nature and Object of the Invention.

My invention relates to the elevation of a lever, carrying a canceling-stamp at one end thereof, by means of cams or inclined planes forming arcs of a circle, having the shaft or standard upon which the lever plays as its center, the inclined planes or cams terminating abruptly, so as to allow the lever and stamp to drop suddenly, with a heavy pressure, produced by the power of springs so arranged as to be compressed in the movement of the lever as it is lifted by the inclined edge of each cam. The lever may be made to revolve, and, passing successively over the cams, drop at different points in succession so as to fall alternately upon an inking-pad and upon the letter or other article to be stamped; or the lever may be kept stationary to fall always at the same point, and be lifted by a movement of the cams about their center, one or more inking-rollers in such case being made to move with the cams and pass over the face of the stamp. The object of my invention is to facilitate the rapid stamping of letters and other documents by a device which shall be self-inking, and which may be made to operate very rapidly by merely turning a crank, either by hand or other suitable motive-power.

The accompanying drawing is a view in perspective of my improved stamp-canceler, arranged with a revolving lever. A is the lever; B, an upright revolving spindle, having its lower bearing in a suitable metallic plate or step in the table or stand C, and its upper bearing in the end of a bracket, D, projecting from a standard or pillar, E, likewise firmly secured to the stand C. The spindle B passes through a slot in one end of the lever A, which is pivoted to the spindle by a transverse pin so that its long arm may have vertical play. F F are radial arms, secured to the standard B so as to project therefrom in opposite directions over the lever A and in a vertical plane coincident therewith. Between each lever F and the end of the arm A beneath it is confined a spiral or other suitable form of spring, S. The spring S′, bearing upon the longer arm of the lever to which the stamp is attached, is more powerful than the opposite spring S, and serves, when the lever A is released after being lifted from the cam, to carry down the stamp forcibly upon the letter or paper to be impressed, while the action of the opposite lever S causes a slight rebound of the stamp after it has produced its impression. G is the canceling-stamp, of any desired form or description, secured to the end of the long arm of the lever A so as to be readily detached therefrom at pleasure. A variety of stamps may be thus used with the lever A. H is a very slight pin or sharp point on the lower edge of the stamp, which will engage the letter or other paper which has been stamped sufficiently to carry or slide it forward as the stamp is carried forward in the revolution of the lever, and thus remove it from the stamping-pad, making room for another. K is a stamping-pad, of leather, rubber, or other suitable hard and tough yet elastic material; and K′ is an inking-pad, placed at an opposite point, and upon which the stamp is properly inked. The spindle B is made to revolve by means of a horizontal shaft, L, having its bearings at one end in the standard E, and at the other in the bracket D, and which is connected with the spindle by means of suitable bevel-gear, as illustrated in the drawing. The outer end of the shaft L is provided with a crank, M, by which it may be made to revolve, and with a pulley, N, whereby it may be connected with any suitable motive-power. P is a circular flange, projecting upward from the table C and surrounding the foot of the spindle B as its center. This flange is so cut away as to form two inclined planes or cams of equal length, which, upon attaining their highest point, are cut away abruptly in a perpendicular line, as illustrated in the drawing. The stamping-pad K and the inking-pad K′ are placed, respectively, nearly opposite the highest point of each cam, so that when the lever A in its revolution passes beyond said point it will in each case drop forcibly upon the one or the other. The mutual relation of the pivot-point of the lever A, the cam-flange P, and the springs S′ S, is such as that the

longer arm of the lever will be gradually lifted after having rested upon either pad, compressing thereby the spring S′, and then be suddenly released just as it reaches the opposite pad, bringing thereby into operation the resilient power of the spring to cause the stamp on the end of the lever to fall with a powerful blow upon the pad. Thus, by a revolution of the spindle B, obtained by turning the crank M, the stamp may be made to fall successively and as rapidly as desired upon the inking-pad K′ to be inked, and then upon a letter or paper placed upon the pad K so as to produce an impression thereon.

It is evident that substantially the same effect may be produced by pivoting the lever A, as described, to a stationary support, so that it shall always rise and fall at the same point, and then causing the circular cam flange P to revolve in a horizontal plane beneath it. The flange may be thus made to revolve by means of the spindle B by placing the flange upon a circular plate in or on the table C, (indicated by dotted lines in the drawing,) to which the spindle B is connected and secured; the immovable support for the lever A and the spring-arms F F being obtained independently of the spindle, either by means of a hollow shaft encircling the revolving spindle or by means of brackets spanning the revolving plate. In this case the stamp is to be inked by means of inking-rollers so secured to the revolving cam-plate as to pass over the face of the stamp as it is lifted to its highest point and just before it drops.

Claim.

I claim as my invention—

A pivoted lever, A, having vertical play, in combination with a canceling-stamp, G, a circular cam-flange, P, and one or more springs, S′ S, when the lever and the cam-flange are arranged substantially as described, so that a revolution of the one or the other shall produce a successive lifting and dropping of the lever and stamp, in the manner and for the purpose herein set forth.

PARKER O. WRIGHT.

Witnesses:

JOHN H. MUNSELL,

CHAS. L. CLARK.