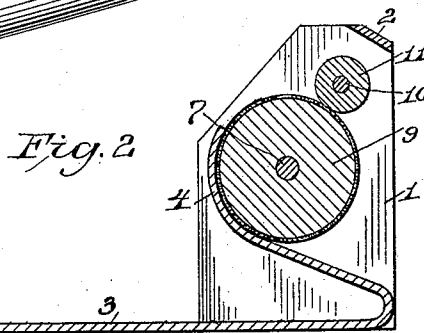
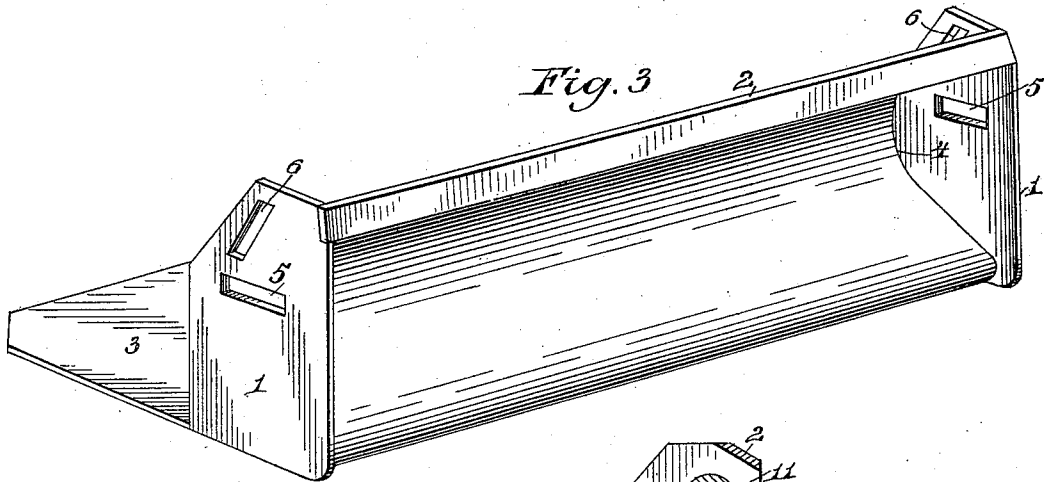
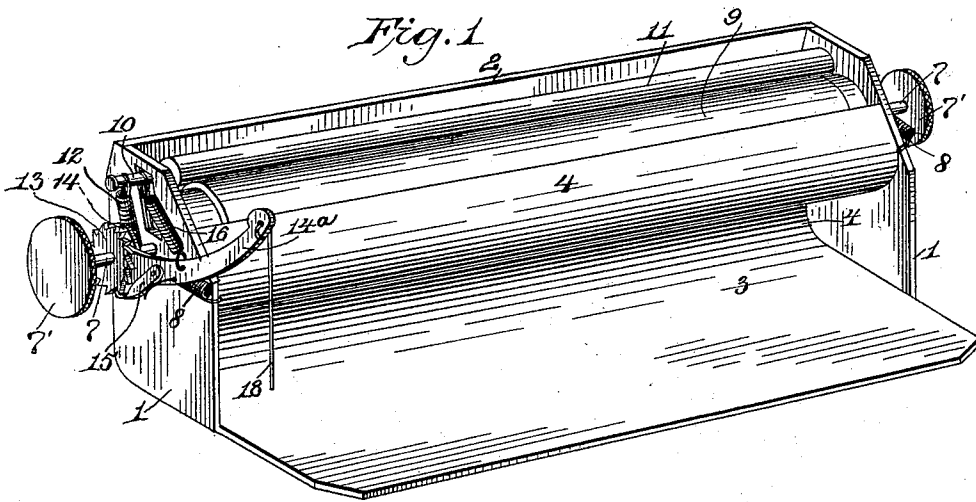


(No Model.)

W. O. CRANE.
COPY HOLDER.

No. 471,101.

Patented Mar. 22, 1892.



Witnesses:

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UNITED STATES PATENT OFFICE.

WADE O. CRANE, OF CANTON, NEW YORK.

COPY-HOLDER.

SPECIFICATION forming part of Letters Patent No. 471,101, dated March 22, 1892.

Application filed February 10, 1891. Serial No. 380,907. (No model.)

To all whom it may concern:

Be it known that I, WADE O. CRANE, a citizen of the United States, residing at Canton, in the county of St. Lawrence and State of New York, have invented a new and useful Copy-Holder, of which the following is a specification.

This invention relates to copy-holders for copyists; and the objects in view are to provide a cheap and simply-constructed holder for the above purpose adapted to receive one or a series of sheets to be copied and to operate efficiently with either, to provide means for operating or feeding the paper line by line as copied, and for exposing to the view of the copyist merely that portion thereof upon which he is engaged.

With the above objects in view the invention consists in certain features of construction hereinafter specified, and particularly pointed out in the claims.

Referring to the drawings, Figure 1 is a perspective of a copy-holder constructed in accordance with my invention. Fig. 2 is a vertical transverse section. Fig. 3 is a detail in perspective of the frame, the view being taken from the rear.

Like numerals of reference indicate like parts in all the figures of the drawings.

In practicing my invention I construct a frame-work, preferably of sheet-brass and nickel, the same for ornamental purposes. This frame-work consists of opposite end walls 1, connected at their upper ends by a transverse bar 2 and below said bar with a substantially S-shaped piece of metal, the lower portion of which is flattened to form a base 3, upon which the frame rests, and the upper portion forming a concaved wall 4 for a purpose hereinafter specified. The opposite standards or end walls 1 are each provided with a transverse slot 5 and above the same with an inclined slot 6. A shaft 7 is mounted in the transverse slots 5 and extends beyond the same, terminating in milled thumb disks or nuts 7'. A pair of coiled springs 8 are connected at their rear ends to the shaft and at their front ends to the edges of the standards, so that they draw the roll 9, mounted upon the shaft between the standards, yieldingly or snugly into the concaved guide-wall 4.

The roll 9 has its periphery covered with a frictional material, such as chamois, rubber, &c. A shaft 10 is mounted in the inclined slots 6, and its ends extend beyond the slots, as shown. Between the standards 5 the shaft 10 carries an upper guide-roll 11, and outside of the standards 1 the shafts 10 and 7 are connected by a pair of coiled springs 12. A ratchet 13 is mounted upon one end of the shaft 7, and at one side of the ratchet is a disk 14, the ratchet and disk being fixed upon the shaft. Between the ratchet and disk there is loosely mounted on the shaft an arm 14^a, having a loose pawl 15 for engaging the riding over the teeth of the ratchet, and near its free end connected to the shaft 10 by means of a coiled spring 16. The spring connecting the two shafts serves to maintain the two rolls in yielding contact, and a movement of one causes a movement of the other by reason of said contact, while the spring connecting the lever and upper shaft 10 serves to normally elevate the lever and pawl and return the two when depressed.

If desired, a treadle may be employed and the same connected with the free end of the lever by means of a wire 18. The treadle may be operated by foot and will be precisely the same in operation as when operated by hand, which latter operation I will now proceed to describe. The end of the copy is passed from the rear under the roll 9 and between it and the curved guide-wall, and either or both of the thumb-nuts rotated by hand to cause the roll 9 to revolve. This serves to feed the end of the paper around to the front of the roll, over the same, and between the two rolls to the rear. It will be observed that the upper edge of the curved guide portion 4 is slightly below the small roll 11 and combines with the latter to form a space by which observation of each successive line of the copy may be had. When thus mounted in the holder and when it is desired to raise the copy to bring a new line into view, it is simply necessary to depress the lever, either by hand or through the medium of the treadle operated by the foot, and in so doing the pawl of the same passes over the ratchet, engages a succeeding tooth, and when released said lever is drawn back or returned, and the

pawl thereof serves to rotate the ratchet, and consequently the shaft 10, together with its roll 11. It will thus be seen that a cheap and simple copy-holder may be easily provided
 5 and that the same may be operated by hand or foot, raising to view only that portion of the copy upon which the copyist is engaged, thus avoiding repetition and other mistakes
 10 liable to occur when a whole page is exposed, and, furthermore, saving time required for finding the place.

Having described my invention, what I claim is—

1. The combination, with the frame-work
 15 comprising the opposite standards having vertical and horizontal slots and an intermediate curved guide-wall, of a pair of shafts mounted in the slots, each shaft provided with a
 20 roll, said shafts extending beyond the standards and one of the same provided with thumb-nuts and a ratchet, a spring for forcing the lower roll into the guide-wall for yieldingly
 25 holding the upper roll upon the lower roll, a lever loosely mounted on the lower shaft, a pawl pivoted to the lever and adapted to en-

gage the ratchet, and a spring for retracting the lever, substantially as specified.

2. The combination, with the opposite standards having vertical and horizontal slots and an intermediate curved wall, of a roll located
 30 adjacent to the curved wall and having its shafts mounted in the horizontal slots extending beyond the same and terminating in thumb-nuts, springs connected with the shaft
 35 and with the standards, an upper shaft mounted in the vertical slots and having a roll, springs connecting the two shafts, a ratchet and disk mounted upon one end of the lower
 shaft, a lever loosely mounted upon said shaft at one side of the ratchet, a pawl pivoted to
 40 the arm and engaging the ratchet, and a spring connecting the upper shaft with the lever, substantially as specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in
 45 presence of two witnesses.

WADE O. CRANE.

Witnesses:

J. FRED HAMMOND,
 J. E. JOHNSON.