(No Model.)

J. B. HAMMOND.

COPY HOLDER.

No. 449,934. Patented Apr. 7, 1891.

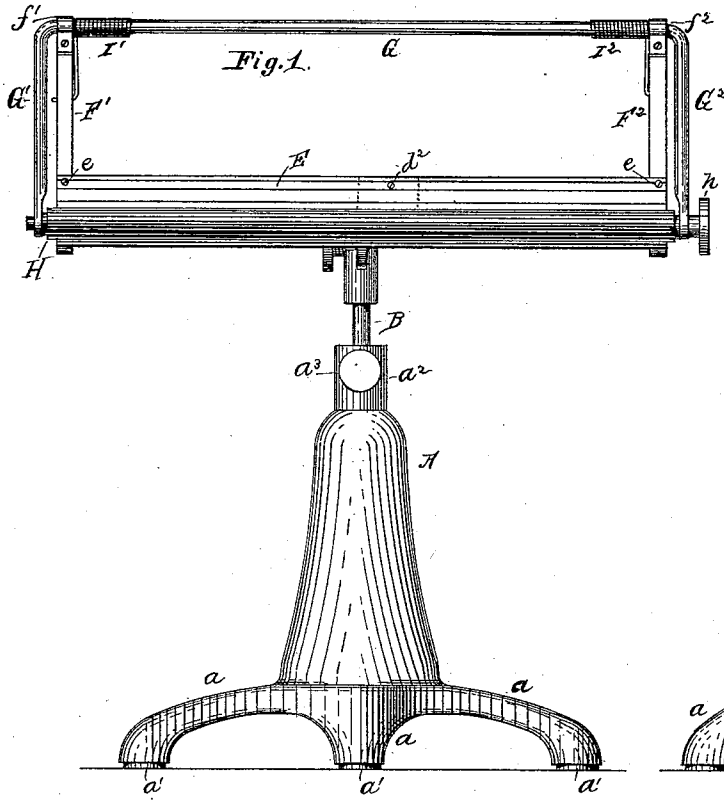


Fig. 1.

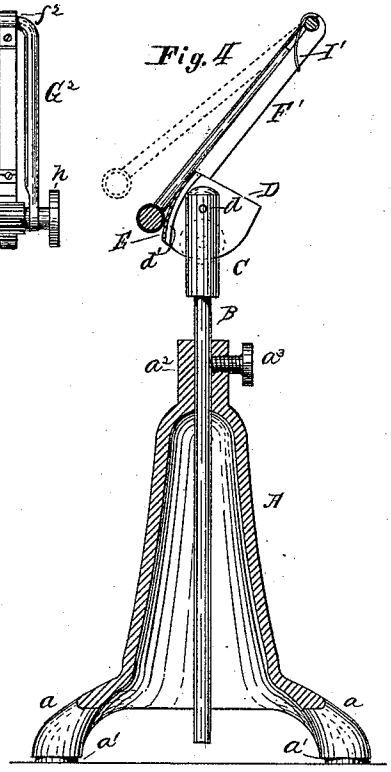
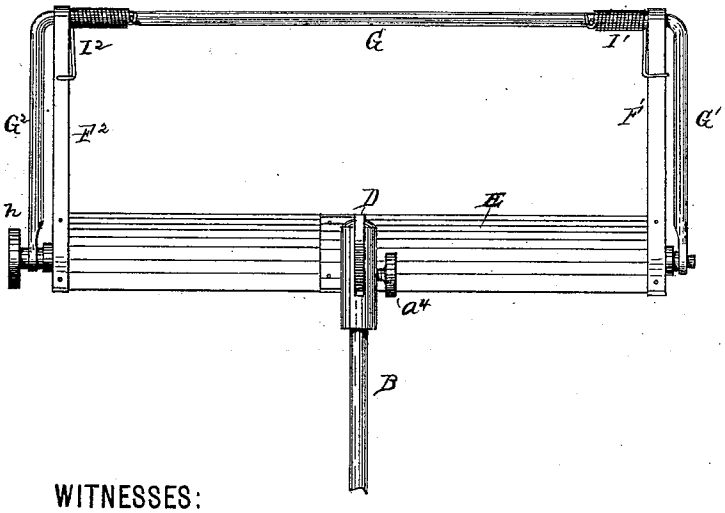
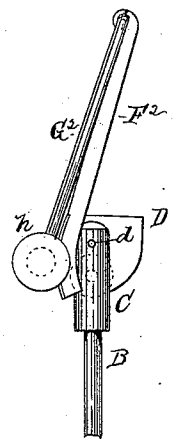


Fig. 4.

Fig. 2.

Fig. 3.





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COPY-HOLDER.

SPECIFICATION forming part of Letters Patent No. 449,934, dated April 7, 1891.

Application filed June 7, 1890. Serial No. 354,663. (No model.)

To all whom it may concern:

Be it known that I, JAMES B. HAMMOND, a citizen of the United States, and a resident of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Copy-Holders, of which the following is a specification.

This improvement particularly relates to the copy-holders which are used in connection with type-writing machines for holding copies.

I will describe a copy-holder embodying my improvement, and then point out the novel features in the claims.

In the accompanying drawings, Figure 1 is a front view of a copy-holder embodying my improvement. Fig. 2 is a back view of the upper portion of the same. Fig. 3 is a side view of the upper portion thereof. Fig. 4 is a transverse central vertical section of the complete article.

Similar letters of reference designate corresponding parts in all the figures.

A designates a base-piece. It may be of any suitable construction. Preferably it will be made of iron and quite heavy, with an extended base consisting of wide-spreading legs a, provided with feet a', of india-rubber, or other soft material. The body of the base-piece is of hollow construction and terminates at the upper end in a socket a^2, which is constructed to receive and hold a vertical rod B. A set-screw engaging with a tapped hole a^3 in the socket a^2 and impinging against the rod B serves to secure the latter in different positions.

The rod B is represented as being round, and when so made it can be rotated within the base-piece, if this should be desirable for any reason. It is intended that the rod shall always be vertically adjustable whether rotarily adjustable or not. Hence it and the socket are made substantially uniform in diameter from end to end.

The rod B has affixed to its upper end a head-block C, which is slotted or bifurcated in the upper end to receive within it a plate D, which is pivotally connected thereto by means of a screw d, which passes through the bifurcated portion of the head-block and through the said plate. The head of this screw bears against the outside of one of the bifurcated portions of the head-block C, and the end of the screw engages with a tapped hole in the other bifurcated portion of the head-block. Hence by turning this screw it may be made to clamp the two bifurcated portions of the head-block upon the plate D. The lower edge of the plate D is rounded, and preferably so as to be concentric with the screw d. The object of this is to facilitate the oscillation of the plate D upon the screw d as a center without making the bifurcated portion of the head-block unnecessarily long. At the front the plate D is provided with a lateral flange d', and this is shown as being curved from the upper to the lower edge.

E designates a plate which is fastened to the flange of the plate D and extends to the right and the left of it. This plate E may be made of thin metal. It is curved to correspond with the curve in the flange d' of the plate D and may be secured thereto by screws or otherwise. To the extremities of the plate E arms F' F^2 are affixed. As here shown, these arms are arranged behind the plate E and at the lower extremities of their forward sides are curved to conform to the curve of this plate. Screws e pass through the plate from its front and enter tapped holes in the arms, so as to fasten the arms to the plate.

The arms F' F^2 extend upwardly and rearwardly at an incline. Their upper ends are provided with bearings f' f^2 for a rod G. These bearings f' f^2 preferably have removable caps secured by screws to facilitate the introduction of the rod. The rod G extends between the arms F' F^2 and is bent at each end beyond the arms downwardly, so as to form arms G' G^2, which will be approximately parallel with the arms F' F^2. The arms G' G^2 are provided at their lower ends with bearings for a roller H, which is preferably faced with rubber or soft material and is intended to operate, in conjunction with the plate E, to hold copy and also to afford a means of adjusting the latter up or down. One of the journals of the roller H is provided with a handle h to facilitate the turning of the roller for the purpose of effecting the adjustment of copy up or down.

Springs are combined with the arms G' to force the roller H toward the plate E. As here shown, there are employed for this pur-

pose springs I′ I², which at one end are fastened to the rod G and after being coiled around the said rod have their upper ends extended to engage with the arms F′ F². One of these springs may be found sufficient.

To introduce copy into this holder, the edge of the paper may be placed between the lower end of the plate E and roller H and the latter turned to cause the paper to move upward; or, if desired, the roller may be pulled outward for the purpose of enabling the paper to be introduced between it and the plate.

The copy may consist of sheets of paper, or a book may be introduced. The combination of the plate and roller for holding and adjusting the copy will, according to my experience, be found much more convenient than a pair of rollers, particularly in that they can more easily be made to adjust the copy than two rollers. The reason of this is that one soft-surfaced roller co-operating with a rigid metal surface will operate more uniformly upon the paper than two soft-surfaced rollers could be relied on doing, owing to the fact that it is almost impossible to make the soft-surfaced rollers absolutely uniform, and two of them are always liable to irregularities of action in feeding copies.

The copy may be bodily raised and lowered to any position convenient to the person using it by loosening the set-screws a^3 and sliding the rod vertically in the base-piece F. Its angle may be changed at will by loosening the screw d and oscillating the plate D to the requisite degree.

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

1. In a copy-holder, the combination of a base-piece, a plate supported by the base-piece, a roller for holding and adjusting paper arranged opposite the said plate, and a spring for impelling the roller toward the plate, substantially as specified.

2. In a copy-holder, the combination of a base-piece, a plate supported by the base-piece, a roller arranged opposite said plate and constructed to swing away from the plate, and a rod arranged above said plate, whereby copy may be held between the plate and roller and partially supported by the said rod, substantially as specified.

3. In a copy-holder, the combination of a base-piece, a plate supported by the base-piece, a roller arranged opposite said plate and movable outward therefrom, a rod arranged above said plate, whereby copy may be held between the plate and roller and partially supported by the said rod, and a spring for impelling the roller toward the plate, substantially as specified.

4. In a copy-holder, the combination of a base-piece, a plate supported by the base-piece, a roller arranged opposite said plate, a rod arranged above said plate, whereby copy may be held between the plate and roller and partially supported by the said rod, and a spring engaged at one end with the rod, coiled around the same, and engaged at the other end with an arm extending from the plate, substantially as specified.

5. In a copy-holder, the combination of a base-piece, a plate supported by the base-piece, a roller arranged opposite said plate, arms extending upwardly and rearwardly from the plate, a rod supported by these arms and provided at its ends with other arms, and a roller supported by the last-named arm in a position opposite the said plate, substantially as specified.

6. In a copy-holder, the combination of a base-piece, a plate supported by the base-piece, a roller arranged opposite said plate, arms extending upwardly and rearwardly from the plate, a rod supported by these arms and provided at its ends with other arms, a roller supported by the last-named arm in a position opposite the said plate, and a spring for impelling the roller toward the plate, substantially as specified.

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