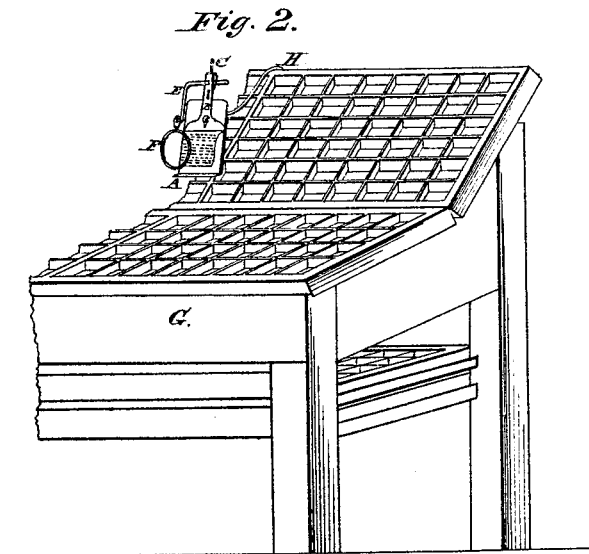
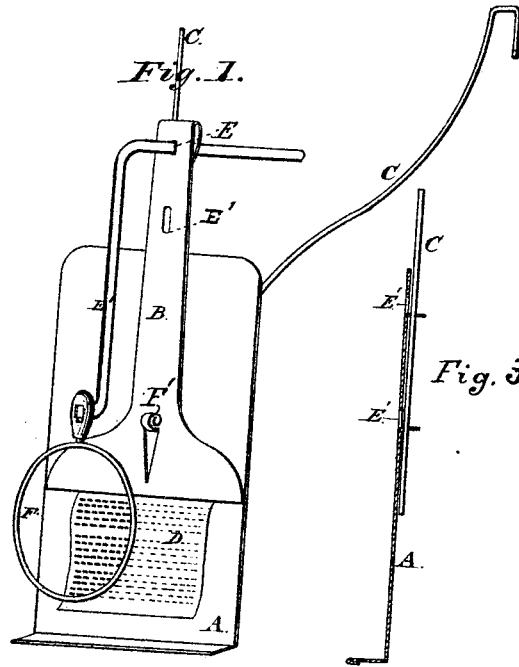


H. DEYO.
COPY-HOLDER.

No. 183,754.

Patented Oct. 31, 1876.



Witnesses:

H. Garrett

E. W. Cady

Inventor:

Hewitt Deyo

Daniel Shepard
att'y

UNITED STATES PATENT OFFICE.

HENRY DEYO, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN COPY-HOLDERS.

Specification forming part of Letters Patent No. 183,754, dated October 31, 1876; application filed May 17, 1876.

To all whom it may concern:

Be it known that I, HENRY DEYO, of the city of Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Copy-Holders, for holding, or holding and magnifying, copy for use by printers and others while reproducing copy in manuscript or type, whereof the following is a true and exact description, reference being had to the drawings hereof, in which—

Figure 1 is a perspective view of the holder, and Fig. 2 a like view of the same appended to a printer's case; and Fig. 3 is a section showing the manner of forming the eyes for the support.

A is a plate, in this instance constructed of sheet metal, which constitutes the main portion of the holder and supports the copy. A portion of its lower end is bent nearly at a right angle to the main portion, to form a flange to support the lower end of the copy. On its vertical center line two semicircular portions of this plate are cut, and bent out backward at right angles to the back of the plate, as shown in Fig. 3, and in these ledges are cut circular holes, in which is inserted one end of the angular rod C, in this instance formed of wire, the other end of which is bent into a hook, by which it may be attached (by hooking into or setting into a socket) to a printer's case, or any other upright or inclined plane. This constitutes a pivotal attachment of the plate and supporting-rod, whereby when the rod is hooked onto the case the plate may be freely placed parallel to or at any angle with the front side of the case. The plate also freely slides vertically along the shorter arm of the supporting-rod C. B is a clamp or guide, made of any suitable elastic material, in this instance sheet metal, in width at the foot the same, substantially, as that of the plate A. Near the top, at E, it has an apertured ledge, bent to its rear as the ledge of plate A, for the purpose of receiving the shorter arm of the supporting-rod C. Its upper end is bent backward as a hook, and is perforated at the bend of the hook to afford another bearing for the rod C. Near its foot a portion of it is cut partially away, and bent forward in a roll, for a handle, F', by which it may be pulled from its normal position against the plate A, to permit

the copy to be placed under it. On releasing this handle the clamp springs back against and securely holds the copy. It will be seen that the clamp or guide, pressing firmly against the plate A, and being pivoted on the rod C, has all the lateral motions of and with the plate A, and may be moved by its handle, or otherwise, vertically on the rod C, while the plate A remains stationary. Near the top of the clamp or guide, and aside from its center, are cut two rectangular slots, one in its face and one directly behind the one first mentioned, and in the hook behind the rod C. Through these slots is inserted one end of the focus-bar E', whose other end passes through a slot in the handle of a magnifying glass or lens, F.

By inserting the upper end of the focus-bar more or less into and through the slots in the spring-guide, the lens is brought less or more near to the copy, and the focus adjusted.

The lower end of the focus-bar may be, as is shown, curved and gradually wider, so that the lens may be set at any angle from the perpendicular by placing its handle in any desired position on the curve of the focus-rod, and thus the lens may be properly opposed to the eye of the operator and to the copy. By this construction the lens has all the lateral motions of the plate A about the rod C, at the same time preserving its position relatively to the copy D.

The focus-bar may be either suspended or upheld. It may be attached to the clamp or guide B, as shown, or may slide up and down on the rod C, above the guide, a thimble attached to the bar receiving the rod C.

The focus-bar may be attached by a thimble to the bottom of the plate A, when it will be upheld, and will not move vertically with the guide.

The copy may be supported without the aid of a clamp. In that case, the part B acts on the copy as a guide only, and may be, after lapping onto the plate, for the rest of the way downward merely a suspended weight.

The copy-holder is operated as follows: The bottom flange of the plate A is placed upon the case or other support, and the hook of the supporting-rod is also applied to the case. The clamp or guide is raised, the copy placed on the plate, and the guide is slid to the top of

the copy, and suffered to clasp the copy above its first line. The holder is turned laterally to suit the position of the reader, and the guide is advanced to cover the copy as the work goes on. When the lens or magnifying-glass is used it is brought to any desired focus by advancing or withdrawing the focus-rod in the slots of the spring-guide, and the angle proper for the height of the reader's eye is obtained by advancing or withdrawing the lower curved end of the focus-rod in the slot in the handle of the glass.

While I deem the construction of my copy-holder without the magnifying attachment to be new and useful, I also consider that it is equally novel and useful and of my invention to place a magnifying-glass on a copy-holder to facilitate the reading of the copy during its duplication.

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

1. The combination of a copy-holding plate and magnifying-glass, adjustable toward and from the plate, substantially as and for the purpose set forth.

2. The combination of a copy-holding plate

and a magnifying-glass, the latter being adjustable, to be vertically parallel to or at a vertical angle with the plate, as and for the purpose set forth.

3. The combination of a copy-holding plate and a magnifying-glass, adjustable both toward and from the plate, and in planes parallel to or at angles with the plate, as and for the purpose set forth.

4. The combination of a copy-holding plate, a clamp or guide, and a magnifying-glass, as and for the purpose set forth.

5. The combination of a copy-holding plate having lateral motion about its support, an adjustable guide, and a magnifying-glass, as and for the purpose set forth.

6. A magnifying copy-holder, consisting of a copy-holding plate, a support for the same, and a magnifying-glass supported before the face of the copy-holding plate, as and for the purpose set forth.

HENRY DEYO.

Witnesses:

JOHN MATHESON,
GEORGE N. STONE.