

UNITED STATES PATENT OFFICE.

NEWTON G. LESLIE, OF KALAMAZOO, MICHIGAN.

COPY-HOLDER.

SPECIFICATION forming part of Letters Patent No. 500,715, dated July 4, 1893.

Application filed December 17, 1892. Serial No. 455,485. (No model.)

To all whom it may concern:

Be it known that I, NEWTON G. LESLIE, a citizen of the United States, residing at Kalamazoo, county of Kalamazoo, State of Michigan, have invented a new and useful Copy-Holder, of which the following is a specification.

This invention relates to that class of copy-holders for type-writing machines, which employ spring clamps for holding the copy to its support.

One object of the invention is to add to the utility, by making the holder proper more convenient to operate and adapted for holding a greater variety of copies, manuscripts, books, &c.

Another object is to provide an improved coupling for coupling the arm which holds the copy-holder proper, to some portion of the type-writer, which consists in a clamp having an upwardly tapered projection, and an inverted funnel-shaped socket, coupling said arm to the clamp, which is attached to said machine, the utility of which is to establish a close fit and make the arm more readily attachable and detachable.

In the drawings forming a part of this specification, Figure 1 is a perspective view, showing a broken portion of the type-writer in dotted lines; and Fig. 2 is a side elevation, looking against the holder proper in Fig. 1 from a point at the left.

Referring to the lettered parts of the drawings, A is an arm, provided at one end with an inverted, funnel-shaped socket, B. The clamp, C, (which clamps in the ordinary manner to some portion of a machine, D) is provided with an upwardly tapered projection, shown by dotted lines at E, in Fig. 1, which upwardly tapered projection detachably fits into the funnel-shaped socket in the arm A, so that the said arm A may be swung laterally upon these bearings and can be readily attached and detached from it, and still establish a close fit, by the weight of the arm, A. Toward the other end of the arm A, said arm is provided with sockets, *e e*, into which sockets is detachably inserted the stem, F, which stem supports the holder proper, said stem being adjusted from one of the sockets *e* to another, according to the desired distance of the holder proper from the machine. This

stem F also turns in the socket *e*, so as to turn the holder proper to different positions.

The plate, I, of the holder, is mounted upon the upper end of the stem F, at an oblique angle, by means of a lugged casting, J, as here shown, but may be attached in any other suitable manner. This plate, I, is turned forward and upward at the base, as at *c*, and rearward and downward at the top, as at *v*, for the purpose of finishing and stiffening the plate, and the lower curve also serves as a rest to support heavy books or manuscripts, and also forms a pocket for holding pencils, erasers, &c.

At *f* is a spring clamp, consisting of a spring metal wire extending across the upper part of the front face of the plate or support and having at each side of the upper curved portion of said plate a short, upwardly extending loop, *z*, from the rear portion of each of which loops *z* the wire passes downward in the rear of and at a short distance from the plate, well toward the lower end of same, where it is bent forward upon itself and from thence passes upward in the rear of and close to said plate or support, as at S terminating near the upper end of the plate, where it is attached to same, thus forming a long, downwardly extending loop, L, in the rear of each side of the plate. This clamp might also be used in the reversed position, having the part *f* pass across the lower portion of the face of the plate or support and the long side loops extend upward, instead of downward, in which position it might be more useful for supporting heavy books. The ends of the wires, S, might be dispensed with in some instances and the lower ends of the side wires, L, be attached directly to the plate I, so long as the long, elastic side wires, L, are preserved. The advantage of these long side loops L, is that the operator, by taking hold of the sides of the plate and hold of the side loops L, at about the center, and compressing them together, can more conveniently open the clamp, that is, swing the part *f* forward, for the attachment of the copy, manuscript, book, or whatever is being clamped. The object of the peculiar loops, *z*, is that a manuscript or copy wider than the holder, and especially a book that opens sidewise, can be clamped by the part *f* and not interfere with the side

wires L. However, so far as the advantage of opening the clamp is concerned, the loops z might be dispensed with and allow the part f to pass directly across the front face of the plate from one loop L to the other.

So far as the plate I is concerned, it might, of course, be an open work frame, so long as it formed a proper support for the clamp and copy.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

1. In a copy holder, a plate or support, having a spring clamp consisting of an elastic wire extending across the front face of the plate or support, near one end of same, the wires at each end of said clamp being extended into a short loop, from the rear portion of which loops the ends of the wire pass toward the other end of the plate or support, in the rear of and a little to one side of same, where the wires are bent upon themselves and from thence pass in the rear of said plate or support toward that end of the plate in front of which the clamping part of the wire passes, where they are attached to said plate; substantially as set forth.

2. In a copy-holder, a plate or support, with its lower end rolled outward and upward and its upper end rolled backward and downward, having a spring clamp consisting of an elastic wire extending across the front face of the plate or support, near one end of same, the wires at each end of said clamp being extended into a short loop, from the rear portion of which loops the ends of the wire pass toward the other end of the plate or support, in the rear of and a little to one side of same, where the wires are bent upon themselves and from thence pass in the rear of said plate or support toward that end of the plate in front of which the clamping part of the wire passes, where they are attached to said plate; substantially as set forth.

3. The combination of a copy-holder, an arm for supporting said holder, said arm having at one end an inverted, funnel-shaped socket, and a clamp for attaching to a machine, being provided with an upwardly tapered projection detachably fitting into said socket; substantially as set forth.

4. A copy-holder comprising a plate or support and a spring clamp consisting of an elastic wire extending across the front face of the plate or support near one end and from thence extending toward the other end of the plate or support, in the rear thereof and a little to one side of same, and terminating in the rear of the plate or support, where they are rigidly attached thereto; substantially as set forth.

5. A copy-holder comprising a plate or support and a spring clamp consisting of an elastic wire extending across the front face of said plate or support near one end, and from thence extending at each side of the plate or support into short loops extending farther toward the end of the plate or support, and from thence extending toward the other end of the plate or support, in the rear thereof and a little to one side of same, and terminating in the rear of the plate or support, where they are rigidly attached thereto; substantially as set forth.

6. The combination with the clamp and arm having the tapered projection and inverted funnel-shaped socket for coupling together, said arm being provided at or near the other end with a series of sockets, of a copy-holder having a stem adapted to be loosely, detachably and adjustably inserted in the latter named sockets; substantially as set forth.

In testimony to the foregoing I have hereunto subscribed my name in the presence of two witnesses.

NEWTON G. LESLIE.

Witnesses:

JAMES M. BILLIG,
JULIUS SCHUSTER.