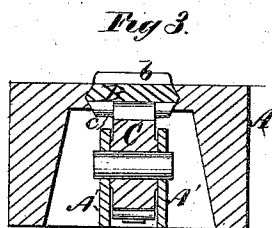
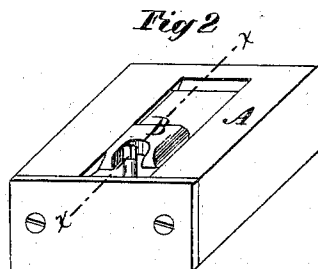
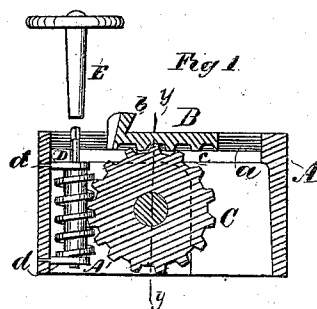


F. SCHOLEFIELD.
Stereotype Plate Holders.

No. 138,290.

Patented April 29, 1873.



Witnesses;
H. C. Clark
R. N. Dyer.

Inventor.
F. Schofield
by Dyer, Beadell & Co.
Associate Atty's.

UNITED STATES PATENT OFFICE

FREDERICK SCHOLEFIELD, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN STEREOTYPE-PLATE HOLDERS.

Specification forming part of Letters Patent No. **138,290**, dated April 29, 1873; application filed January 11, 1873.

To all whom it may concern:

Be it known that I, FREDERICK SCHOLEFIELD, of Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Stereotype-Plate Holders; and I do declare that the following is a true and accurate description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon and being a part of this specification, in which—

Figure 1 is a longitudinal section through *x* in Fig. 2, which is a perspective view of the plate-holder, and Fig. 3 is a cross-section on *y y* in Fig. 1.

Like letters indicate like parts in each figure.

The nature of this invention relates to a device for gripping and holding stereotype-plates while they are being mounted, no part of the griper projecting above the plane of the plate. The invention consists in a gripping slide, moving in dovetail ways at the sides of a slot in the table. The under side of the slide carries a toothed rack, with which meshes a worm-gear, journaled in standards underneath, for moving the slide back and forth, the worm-gear being driven by a worm on an upright shaft journaled in brackets behind the gear, which shaft has a squared head, so that it may be turned by a socket-wrench.

In the drawing, A represents one of the sectional blocks which support the stereotype-

plate, and in which is cut a slot with dovetail ways *a* formed in its sides. On these ways moves a slide, B, whose top is flush with the surrounding parts, except at the rear end where there is a griper, *b*. On the under side of the slide is formed a toothed worm-rack, *c*. Under the slot is a pair of longitudinal webs, A', in which is journaled a worm-gear, C, which meshes with the rack *c*. Behind the gear and between the webs are two horizontal brackets, *d*, one above the other, in which is journaled the vertical shaft D, to which is secured, between the brackets, a worm, *e*, meshing with and giving motion to the worm-wheel C in the rotation of the shaft D, which has a squared head to receive a socket-wrench, E, which is detached therefrom except while the slide is being moved.

The construction and arrangement of the gripping device insure the holding of a stereotype-plate with great power, while there is no part projecting above the table to obstruct the manipulations of the workman.

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

The gripping-slide B provided with the rack *c* and moved in the ways *a* by means of the worm-gear C and the worm *e* on the vertical shaft D, substantially as described.

FREDERICK SCHOLEFIELD.

Witnesses:

WM. H. LOTZ,
H. S. SPRAGUE.