(Model.)

C. E. CURTISS.

STEREOTYPE PLATE HOLDER.

No. 265,660. Patented Oct. 10, 1882.

Fig. 1.

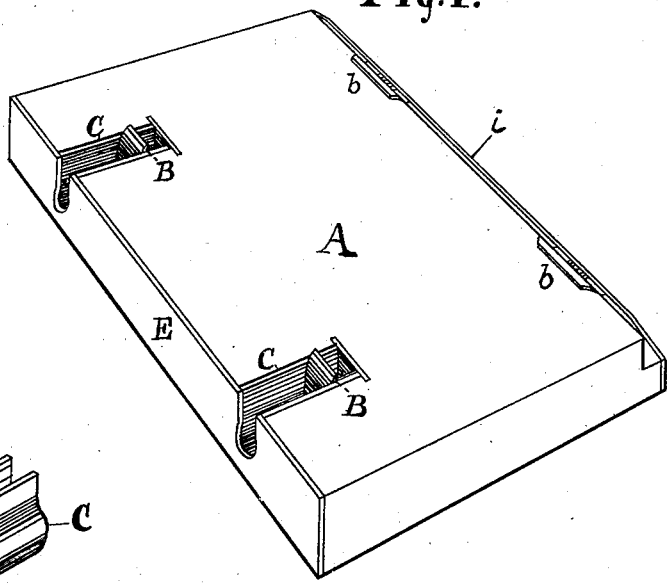


Fig. 5.

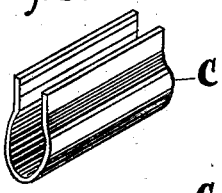


Fig. 6.

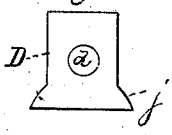


Fig. 2.

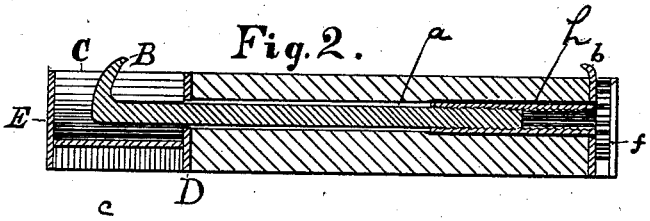


Fig. 3.

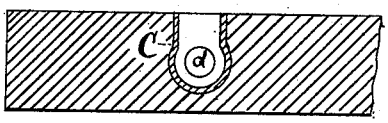


Fig. 4.

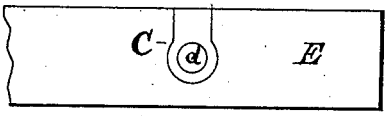
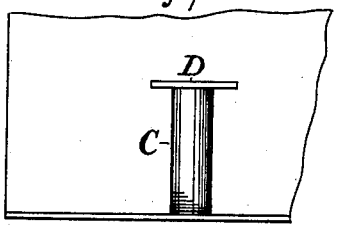


Fig. 7.



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UNITED STATES PATENT OFFICE.

CHARLES E. CURTISS, OF BROOKLYN, NEW YORK.

STEREOTYPE-PLATE HOLDER.

SPECIFICATION forming part of Letters Patent No. 265,660, dated October 10, 1882.

Application filed January 9, 1882. (Model.)

To all whom it may concern:

Be it known that I, CHARLES E. CURTISS, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Stereotype-Plate Holders, of which the following is a specification.

My invention relates to the construction of blocks upon which stereotype-plates are supported during the process of printing, and more particularly to that form of block wherein the clamping of the plate to the block is effected by means of hooks having screw-threaded shanks which pass through and are supported by the block itself, the hooks proper riding in a mortise or slot cut through the block.

My invention consists of certain details of construction whereby the block is rendered more durable and whereby a perfect register of the clamps is obtained, even after a long and continuous use of the block.

In the drawings, Figure 1 is a view in perspective of a block embodying my invention. Fig. 2 is a view of the same in vertical cross-section, and Figs. 3, 4, 5, 6, and 7, are views illustrating the details of construction.

A is a wooden block, having one or more transverse holes, *a*, bored through its approximate vertical center, said holes extending from the side *i* of the block to the inner end of a slot or mortise, *c*, which is cut through the block, as clearly shown in Fig. 2. At the point of juncture of the slot *c* and the hole *a*, I place a metallic bearing, D, through which passes the shank of the hook B, and by means of which the hook is supported and when operated caused to travel in a plane parallel with that of the upper surface of the block. At the other end of the hole *a*, I place a pinion, *f*, which turns in bearings formed in the stationary clamp *b*, said pinion being provided with a sleeve, *h*, the inside of which is threaded and adapted to receive the threaded end of the hook-shank. The sides of the slot or mortise *c* are protected by a metallic lining, C, such as is shown in Fig. 5, or by metallic strips securely attached to the side walls of the slot. As the upper edge of this lining is flush with the surface of the block, it prevents the hook from injuring the sides or edges of the slot, and, as the hook is made to fit snugly therein, all danger of its turning in its bearings is avoided. The bearing D extends entirely through the block, and is provided with shoulders *j j*, as shown in Fig. 7. These shoulders are to prevent the displacement of the bearing by any upward strain, which is the only strain to which the bearing is likely to be subjected. My block is operated in the same manner as those now in use, and, as such blocks are well known to all persons skilled in the art, it will not be necessary for me to enter into the details of its use.

Having thus fully described my invention, what I desire to claim and secure by Letters Patent is—

The combination of the pinion *f*, the fixed clamp *b*, the shanked hook B, and the metallic bearing D, provided with shoulders *j j*, all arranged and combined substantially as described.

CHARLES E. CURTISS.

Witnesses:
J. W. VAN ALLEN,
EDWARD KENT, Jr.