

No. 694,905.

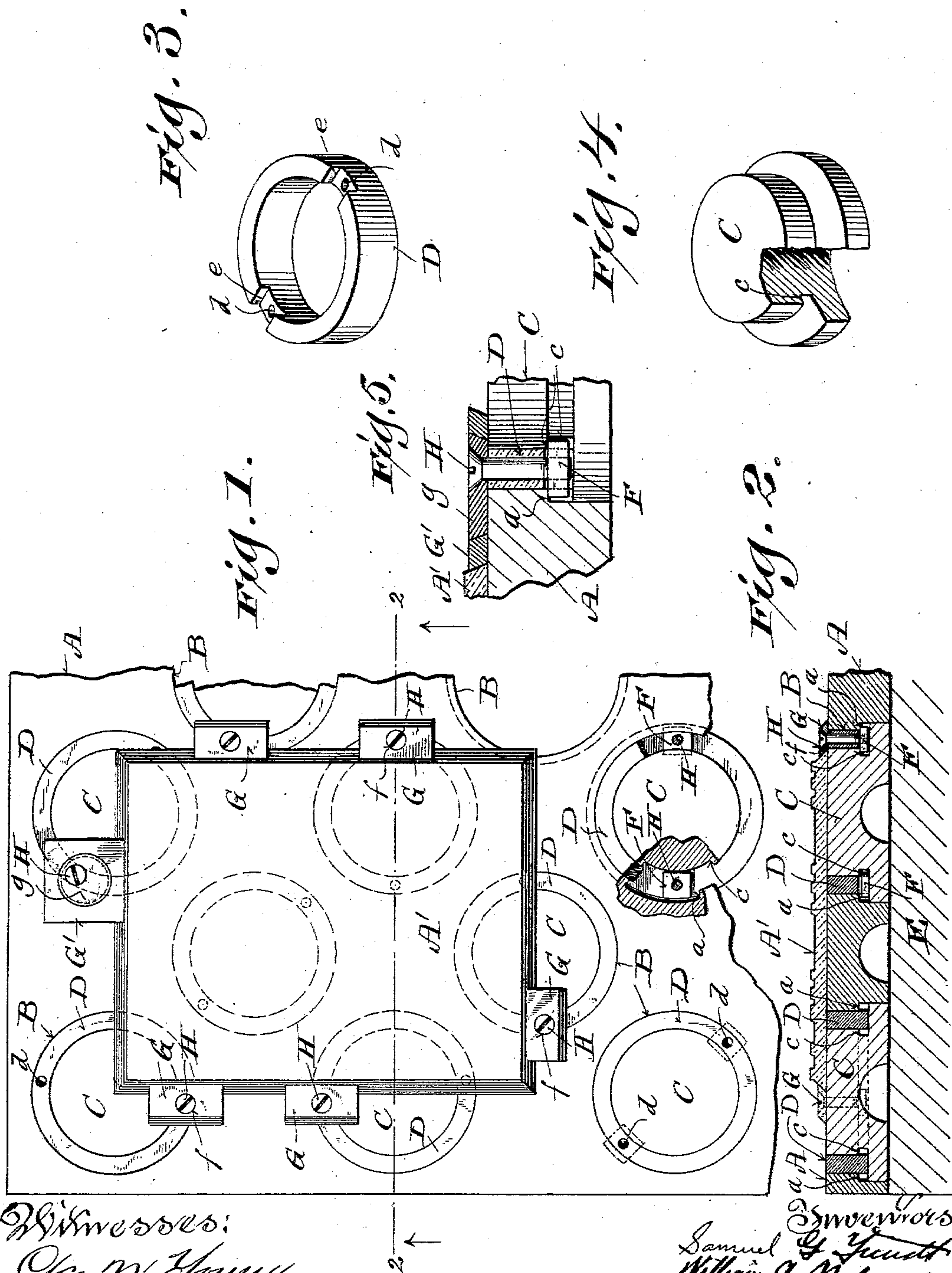
Patented Mar. 4, 1902.

S. G. YUNDT & W. J. NOLEN.

STEREOTYPE PLATE HOLDER.

(Application filed May 25, 1901.)

(No Model.)



UNITED STATES PATENT OFFICE.

SAMUEL G. YUNDT AND WILLIAM J. NOLEN, OF MILWAUKEE, WISCONSIN.

STEREOTYPE-PLATE HOLDER.

SPECIFICATION forming part of Letters Patent No. 694,905, dated March 4, 1902.

Application filed May 25, 1901. Serial No. 61,855. (No model.)

To all whom it may concern:

Be it known that we, SAMUEL G. YUNDT and WILLIAM J. NOLEN, citizens of the United States, and residents of Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented certain new and useful Improvements in Stereotype-Plate Holders; and we do hereby declare that the following is a full, clear, and exact description thereof.

Our invention has for its object to provide a stereotype-plate holder which will dispense with the necessity of all lock-up material and permit of a universal adjustment of the plates, which when locked will not slip when in use.

A further object is to provide a bed for said plates that is perfectly smooth upon the surface where the plates rest, thus avoiding any liability of the latter from being indented when stain is put upon them by the printing-roller; and it consists in certain peculiarities of construction and combination of parts to be fully set forth hereinafter with reference to the accompanying drawings and subsequently claimed.

In the drawings, Figure 1 is a plan view of a portion of our improved plate-holder with a plate in position thereon. Fig. 2 is a vertical section on line 2-2 of Fig. 1, and Figs. 3 and 4 are detail perspective views of the adjustable clamping device, and Fig. 5 illustrates a sectional view of a clamp the head of which permits of independent adjustment.

Referring by letters to the drawings, A is the bed-plate, which is provided with a series of circular openings B, breaking joints with each other, the upper portions of which are reduced in diameter to form a shoulder *a*, approximately half-way through the bed. Fitted into the openings B are plugs C, the lower portions of which are flanged out to correspond in diameter with the lower portion of the openings B. These plugs are also provided with annular grooves *c* on a horizontal plane with the shoulder *a*. The plugs then terminate flush with the upper edge of the bed, but are of less diameter than the openings B, thereby forming annular recesses, into which rest hollow disks D, which are also flush with the upper surface of the bed-plate. Thus when all the parts are assembled it will be seen that the entire upper surface of the bed

presents an uninterrupted surface, the bottom of said bed resting upon the press-bed E, as illustrated in Fig. 2 of the drawings. The disks D are bored out at *d d* and cut away upon their lower edges to form pockets *e e* for the reception of nuts F, which are placed in the grooves *c* of the plugs C before the latter are inserted into the bed. By this construction it is obvious that when the disks are dropped into position with the pockets *e e* straddling the nuts the latter will always be in register with the openings *d d* of the disk.

When it is desired to lock a plate A' upon the bed-piece, the position of the latter is first determined. Then a series of clamps G with beveled edges, having countersunk openings *f*, are secured to the disks D by means of screws H, passing through the openings *d d* and into the nuts F, (it being understood that only one clamp is used for each disk in most cases.) The clamps are then moved against the beveled edges of the stereotype-plate by revolving the disk to which they are attached, and the beveled-headed screws H are then tightened, thereby drawing the nuts against the upper surface of the shoulders *a* and grooves *c*, which securely locks the plug, bed-piece, and stereotype-plate together.

By the above construction it will be seen that it is impossible to place a plate upon the bed without having the required number of clamps in position to hold it and at the same time have a solid bed for the latter to rest upon, which is an important feature of our invention for the reasons before stated.

The clamp G', one of which is shown in Fig. 1 and also illustrated in Fig. 5, has by reason of the eccentric washer *g* an independent adjustment. With relation to the disk this may be quite essential in case the disk when turned to its limit will not quite move the clamp to the edge of the plate desired to be secured. The eccentric washer can then be turned until the clamp is in position and then all the parts tightened by means of the screw H, the washer having an outward bevel fitting in a corresponding inward beveled opening in the clamp G'.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. In a stereotype-plate holder, a bed-plate,

a series of annular rings embedded therein and flush with the upper surface thereof, and clamps secured to disks whereby the stereotype-plates, disks and bed-plate are locked
5 together, substantially as set forth.

2. In a stereotype-plate holder, a bed-plate, a series of annular rings embedded therein, and flush with the upper surface thereof, clamps for the stereotype-plates, secured to
10 disks by means of screws, nuts for the screws, secured in recesses at the bottom of disks and revoluble therewith, said nuts projecting into annular grooves in the bed-plate, a plug fitted into the bottom of the bed-plate, con-

centric with the disks, whereby an uninter- 15 rupted smooth upper surface is presented to the stereotype-plates secured thereto, substantially as set forth.

In testimony that we claim the foregoing we have hereunto set our hands, at Milwau- 20 kee, in the county of Milwaukee and State of Wisconsin, in the presence of two witnesses.

SAMUEL G. YUNDT.
WM. J. NOLEN.

Witnesses:

GEO. W. YOUNG,
M. RIETVELT.