

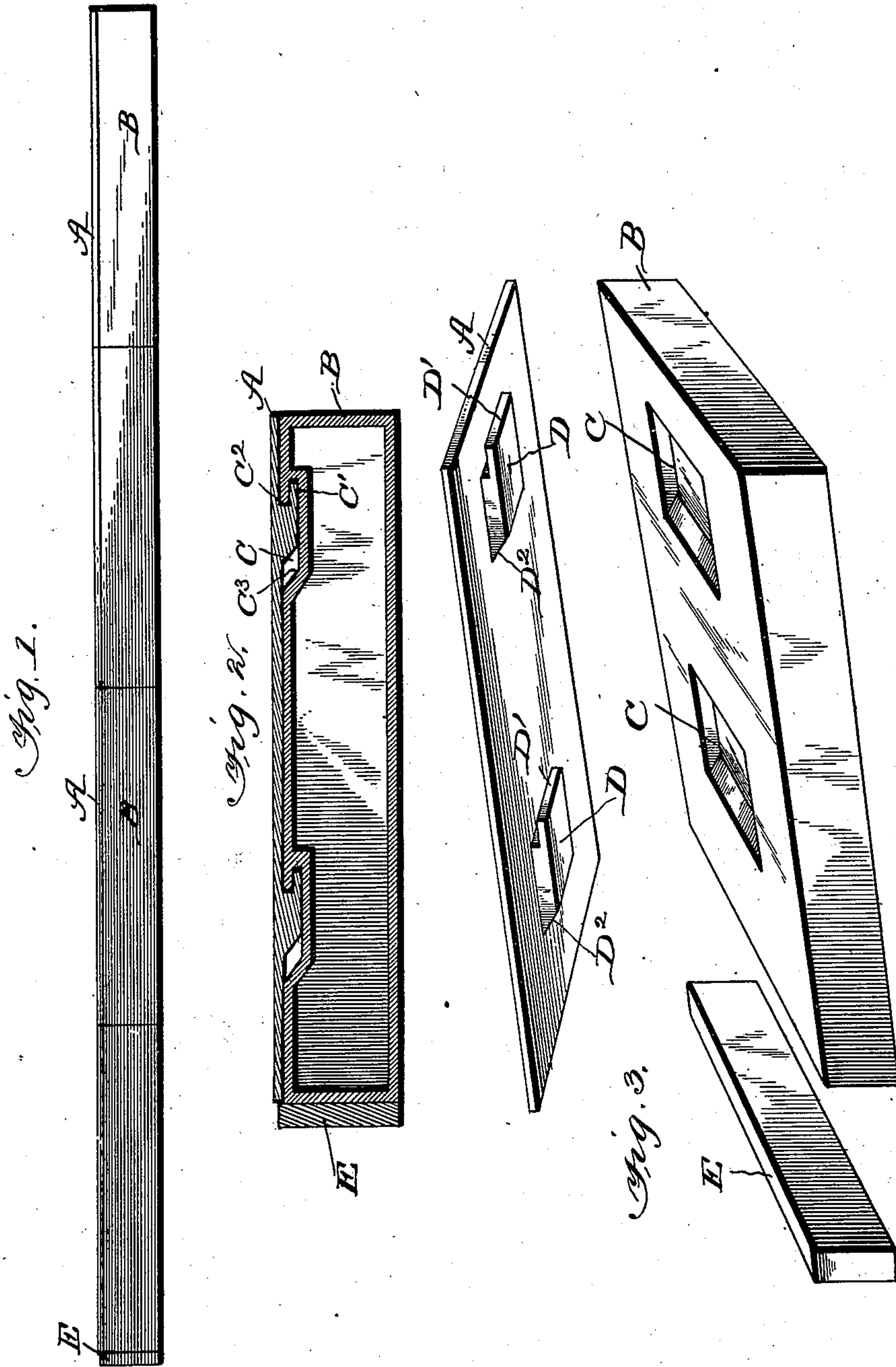
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PATENTED APR. 7, 1903.

A. L. ANDERSON.
STEREOTYPE.

APPLICATION FILED JULY 31, 1901. RENEWED SEPT. 11, 1902.

NO MODEL.



WITNESSES:

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UNITED STATES PATENT OFFICE.

ARTHUR L. ANDERSON, OF GRUNDY CENTER, IOWA.

STEREOTYPE.

SPECIFICATION forming part of Letters Patent No. 724,418, dated April 7, 1903.

Application filed July 31, 1901. Renewed September 11, 1902. Serial No. 123,033. (No model.)

To all whom it may concern:

Be it known that I, ARTHUR L. ANDERSON, a citizen of the United States, residing at Grundy Center, in the county of Grundy and State of Iowa, have invented certain new and useful Improvements in Stereotypes, of which the following is a specification.

My invention is an improvement in stereotype-blocks, and relates to new and improved devices for locking stereotype-plates and the base together in such manner as to lock the plate to the base securely when the foot-slug is placed in position, thus dispensing with all brass strips at the top of the column or at the sides of the column and avoiding accidents that frequently occur by reason of the neglect or oversight of the printer in placing brass strips at the top and sides of the column to prevent the plate from slipping from position and damaging the press or other machinery.

The invention consists in certain novel constructions or combinations of parts, as will be hereinafter described and claimed.

In the drawings, Figure 1 is a side view showing a number of blocks placed end to end and foot-slug in position. Fig. 2 is a longitudinal section of one of the blocks and the foot-slug at the base thereof; and Fig. 3 is a perspective view of the base, stereotype-plate, and foot-slug detached.

In carrying out my invention I provide means by which the stereotype-plate A is interlocked with the base B, both such parts being of metal, and the base B may be grooved or mortised or cut away, as thought best, to reduce the weight to a minimum without impairing the strength.

The base B is provided in its upper side with one or more mortises C, which extend forwardly at one end, providing an undercut recess C' below a ledge C², the rear wall of the recess C being inclined, as shown at C³. In Figs. 2 and 3 I show the block as provided with two mortises or recesses C and the plate A provided with a corresponding number of tenons or tongues; but it will be understood that in practice I may provide each plate and block with a single interlocking part, or such interlocking parts may be multiplied as desired. It will be understood that the recess C is non-circular, being preferably rectangu-

lar, and arranged to be entered by the tenon D of a plate A in a longitudinal direction or in the direction of the length of the base and that the plate A can only be inserted in and removed from interlocking engagement with the base B in the longitudinal direction of such base. The tenons D on the under side of the plates A are formed to fit the recesses or mortises C in the upper side of the block B, being provided at one end with the undercut longitudinally-projecting tongues D' to enter the undercut seat C' below the ledge C² and having its rear wall inclined at D² to rest upon the inclined wall C³ or ride upwardly thereon in withdrawing the plate from interlocking engagement with the base.

As will be understood from Figs. 2 and 3, the tenon D may be integral with the plate A and cast therewith in producing the stereotype.

The foot-slug E may be arranged at the end of the column.

To lock the base and plate together, the plate may be applied to the base directly over the notches or mortises C and pressed downward in said mortises and then forward to interlock, as shown in Fig. 2, and when the foot-slug E is placed at the bottom of the column the lock is complete. The locks will be so arranged that the column can be cut into any desired length and in sections of any desired length, and each section being supplied with the interlocking devices any part of the column may be taken out or put into the form without removing any other part, as will be readily understood from the drawings and the foregoing description.

Manifestly the foot-slug should only extend up far enough to catch the lower half or third of the plate, the foot-slug lying a little below the surface plane of the plate, as shown in Figs. 1 and 2.

It will be understood that the sockets might be formed in the plate and the tenon on the base, if so desired.

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

1. A stereotype-block substantially as herein described, consisting of the base, provided with a non-circular mortise or recess having a forwardly-extending undercut portion and

a ledge extended thereover at one end, and having its opposite end wall inclined, and the plate provided on its under side with a tenon having at one end a projecting tongue to engage in the undercut portion of the recess of the mortise of the block, and having its opposite end inclined to ride upon the inclined wall of the mortise of the block, the inclined walls of the tenons being spaced apart from the inclined walls of the block-mortises whereby when the parts are connected it will be necessary to move the plate longitudinally a short distance before the plate will be lifted by the inclined walls of the mortise in the operation of detaching the plate, substantially as set forth.

2. The combination in a stereotype-block, of the base provided in its upper side with a

mortise or recess having at one end an inclined wall and provided at its other end with a forwardly-extending undercut portion or wing extending parallel with the plane of the upper face of the base, and the plate provided on its under side with a tenon having one end inclined correspondingly with that of the mortise in the base and provided at its other end with a forwardly-extending tongue extending parallel with the plane of the plate and fitted within the forwardly-extending wing of the base mortise or recess, substantially as set forth.

ARTHUR L. ANDERSON.

Witnesses:

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