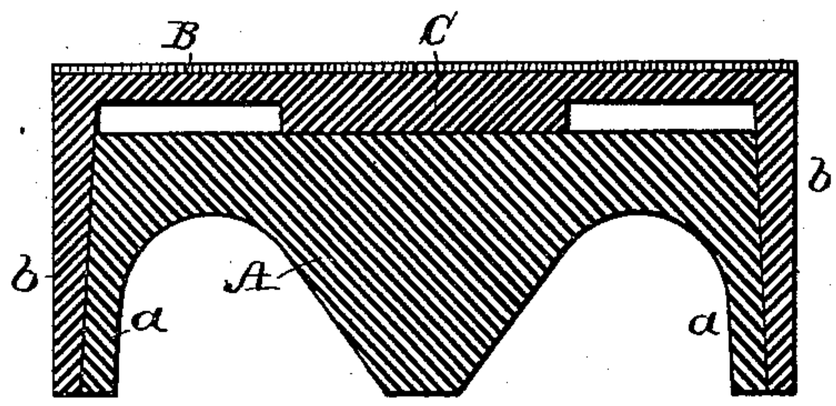
(No Model.)

E. C. STANDIFORD.

STEREOTYPE PLATE AND BLOCK.

No. 347,837. Patented Aug. 24, 1886.



WITNESSES

Ed. A. Newman.
Al. C. Newman.

INVENTOR
Emmet C. Standiford

By his Attorneys

Baldwin, Hopkins, & Peyton.

UNITED STATES PATENT OFFICE.

EMMET C. STANDIFORD, OF CHRISMAN, ILLINOIS, ASSIGNOR TO STANDIFORD BROTHERS, OF SAME PLACE.

STEREOTYPE PLATE AND BLOCK.

SPECIFICATION forming part of Letters Patent No. 347,837, dated August 24, 1886.

Application filed October 19, 1885. Serial No. 180,314. (No model.)

To all whom it may concern:

Be it known that I, EMMET C. STANDIFORD, of Chrisman, Edgar county, Illinois, have invented certain new and useful Improvements in Stereotype Plates and Blocks, of which the following is a specification.

The object of my invention is to provide a structure in which the stereotype-plate may with facility be put in place or removed, and yet be firmly held by the ordinary lock-up of the form. I am aware that various devices for this purpose have heretofore been used; but, so far as I am aware, I am the first to employ a block beveled on the sides from the base upwardly and inwardly in connection with a stereotype-plate having correspondingly-beveled flanges which fit over the block.

The accompanying drawing is an enlarged sectional view showing the type-plate in place on the block.

The block A is in general construction of the ordinary type, except that the side walls, *a*, are formed on a bevel inclined slightly inwardly toward the top. The degree of inclination of this bevel is of course immaterial, a very small inclination in practice being all that is necessary.

B represents a stereotype-plate formed with side flanges, *b*, the inner faces of which are formed on a bevel to correspond with the beveled sides of the block. The outer faces of these flanges are at right angles to the plane of the face of the plate. When the plate is placed in position, the vertical outer faces of the flanges form proper bearings for the column-rules, and the plates and blocks will be firmly held together by the ordinary lock-up of the form.

With most of the plate-fastenings now in use it is necessary to brace the outer edges of the plates of the form by a low rule, to prevent their slipping sidewise when the cylinder comes in contact with the form. It will be obvious that with my structure the plates will be firmly held against any lateral motion, and the use of a low side rule will be unnecessary. The outer flanges will form a continuous vertical face, against which the side-stick of the frame or chase may bear.

C indicates an ordinary central support for the plate.

The lower faces of the block and side flanges of the plate are trued or planed down, so as to rest squarely upon the bed-plate. The plate is therefore supported by its flanges upon the bed-plate of the press as well as upon the beveled side faces of the block.

The bevels on the block and plate may be formed by casting or cut, as may be most convenient in manufacture. Owing to the beveling of the block and side flanges, it will be obvious that the plate will not be liable to bind on the block, but may be lifted therefrom without in any way disturbing the block. It will also be obvious for the same reason that the plate may be readily dropped into place upon the block.

I claim as my invention—

A type-plate having side flanges the inner faces of which are beveled and incline from the base upwardly and inwardly, the plate being adapted to be used with a block having correspondingly-beveled sides.

In testimony whereof I have hereunto subscribed my name.

EMMET C. STANDIFORD.

Witnesses:
MARCUS S. HOPKINS,
LLOYD B. WIGHT.