W. K. EVERDELL.
Printer's Chase.

No. 206,427. Patented July 30, 1878.

Fig. 1

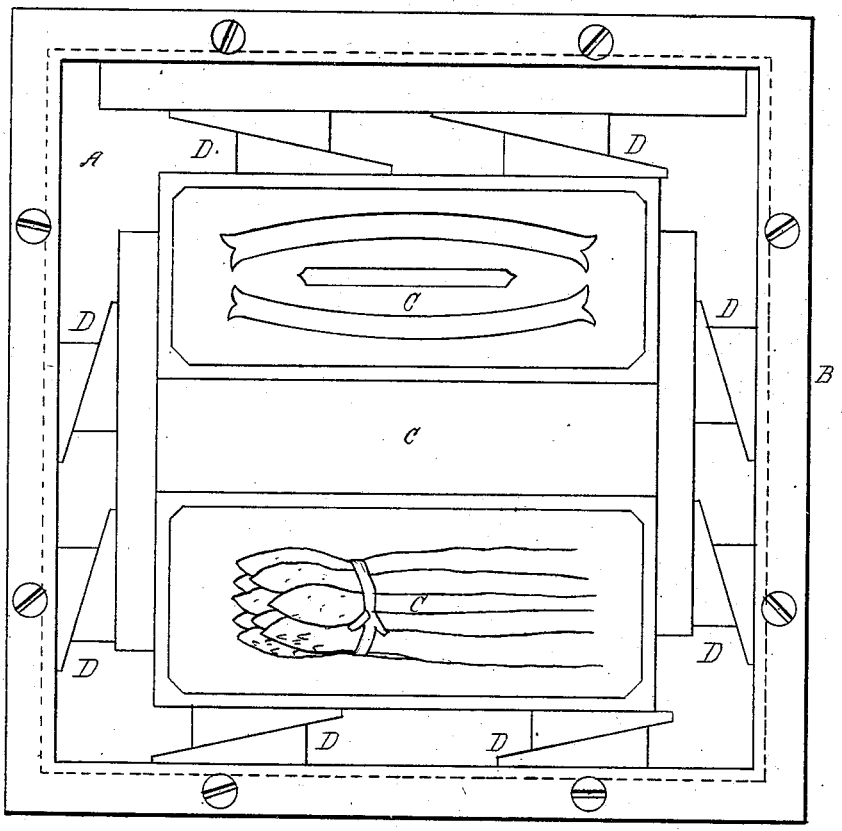
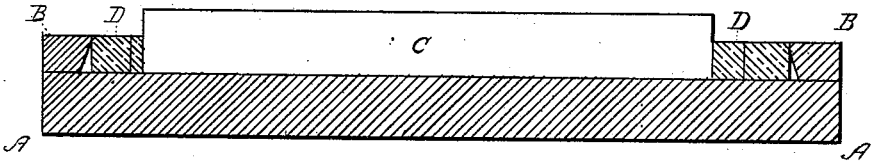



Fig. 2




Attest

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# UNITED STATES PATENT OFFICE

WILLIAM K. EVERDELL, OF MONT CLAIR, NEW JERSEY.

## IMPROVEMENT IN PRINTERS' CHASES.

Specification forming part of Letters Patent No. **206,427**, dated July 30, 1878; application filed May 7, 1878.

*To all whom it may concern:*

Be it known that I, WILLIAM K. EVERDELL, of Mont Clair, Essex county, State of New Jersey, have invented certain new and useful Improvements in Printers' Chases, of which the following is a specification:

My invention consists in a printer's chase adapted for use with stereotype-blocks of reduced thickness, and formed of a flat base-plate provided with a raised marginal rim which is beveled inwardly, as hereinafter set forth.

The annexed drawings present, in Figure 1, a plan view of my improved chase, and in Fig. 2 a transverse section thereof.

A B represent the chase, which is formed in the shape of a shallow tray, the bottom consisting of a flat metal plate, A, of about half type-height, which is provided around its edges with a raised rim, B.

C C are the stereotype-blocks, which are formed of metal of reduced thickness, or about half type-height. Their reduced thickness, however, in connection with the permanent thickness of the bottom plate of the chase, brings the printing-surface of the blocks to the correct type-height.

The advantage of this form of block and chase is, that the blocks being of only half the usual thickness and weight, their handling is rendered much more convenient, and their formation is much more rapid and economical. The required additional thickness, being permanently in the chase itself, which is formed of cast-iron, thus obviates the full thickness in the blocks.

This form of block and chase, however, I do not claim, as the same is old, having been invented by one Loyd, about three years ago, and being in public use since.

My invention lies wholly in the formation of the inner sides of the rim of the chase.

Where this kind of block and chase is used, it is found that when the rim of the chase is made straight, as in the usual manner, there is a tendency of the form to spring upward. This is occasioned by the unusual thinness of the blocks or form, which causes the bearing-points of the wedges or quoins to occur too near the base-line, thus giving the thrust of the wedges an upward tendency. To obviate this I construct the rim with an inward bevel, as shown in section in Fig. 2, and by dotted lines in Fig. 1, the apex of the bevel being at the top edge of the rim. This causes the bearing-points of the wedges D D to occur at the top edge, thus, as will be understood, causing the thrust of the wedges to react laterally downward, and hence tending to hold the form firmly against the base-plate of the chase, and effectually preventing its springing upward.

The sides of the wedges or quoins D D may be formed beveled, to fit the bevel of the rim; but I prefer the usual straight-sided quoin.

What I claim as my invention is—

A printer's chase formed of a flat base-plate provided with a raised marginal rim which is beveled inwardly, and adapted for use with stereotype-blocks of reduced thickness, substantially as herein shown and described.

WM. K. EVERDELL.

Witnesses:

CHAS. M. HIGGINS,

EDWARD H. WALES.