

(No Model.)

C. W. E. EBERHARD.
Stereotype Block.

No. 241,128.

Patented May 10, 1881.

Fig. 1.

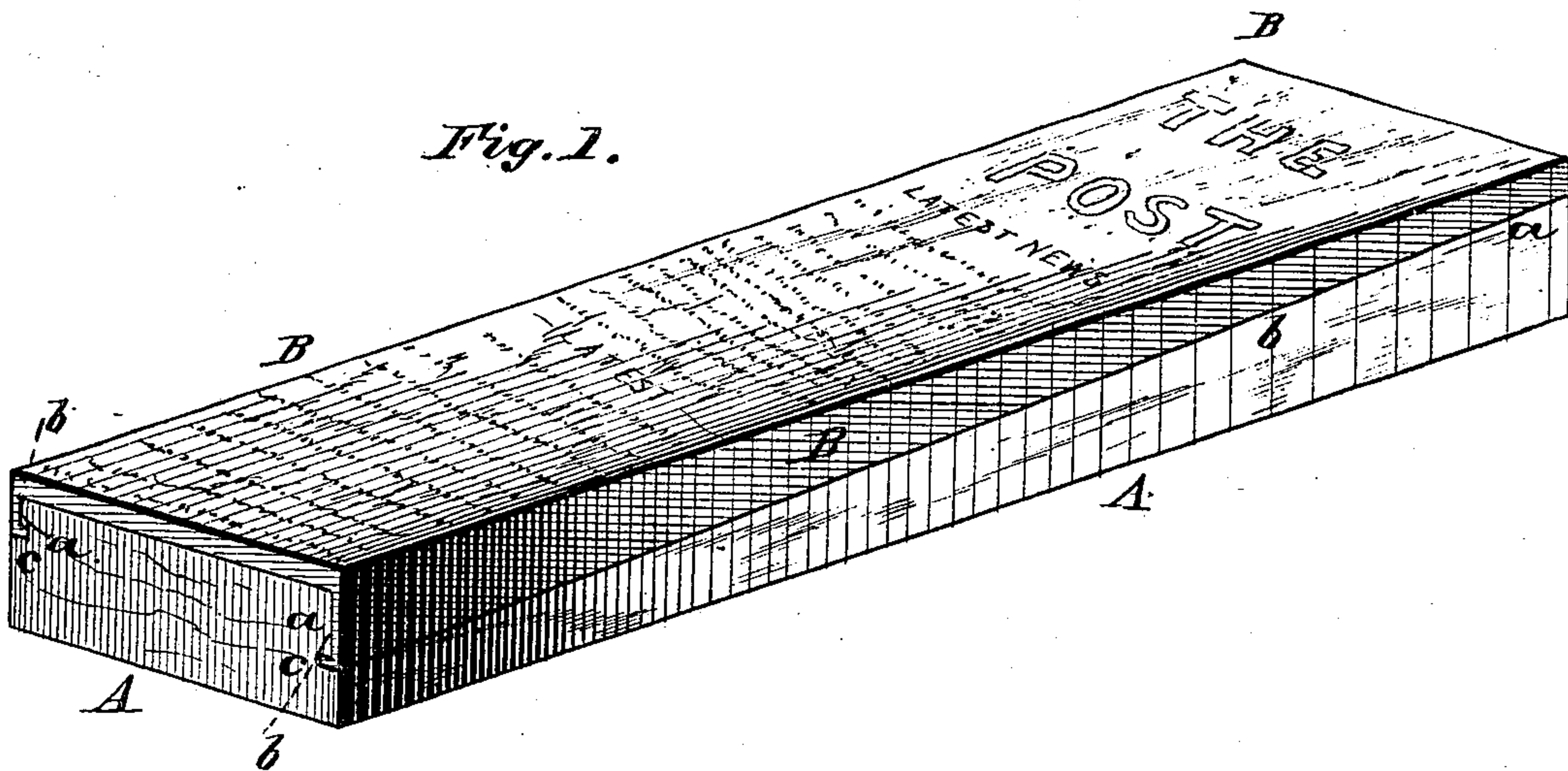


Fig. 2.

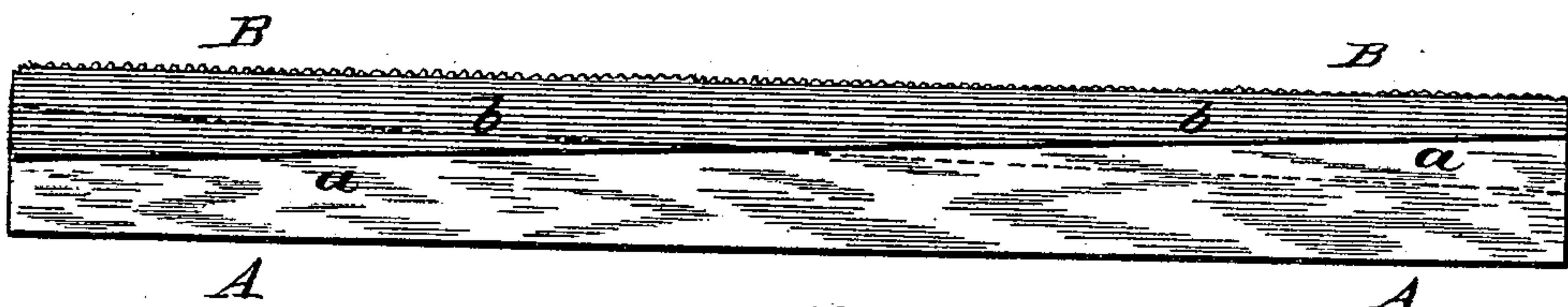


Fig. 3.

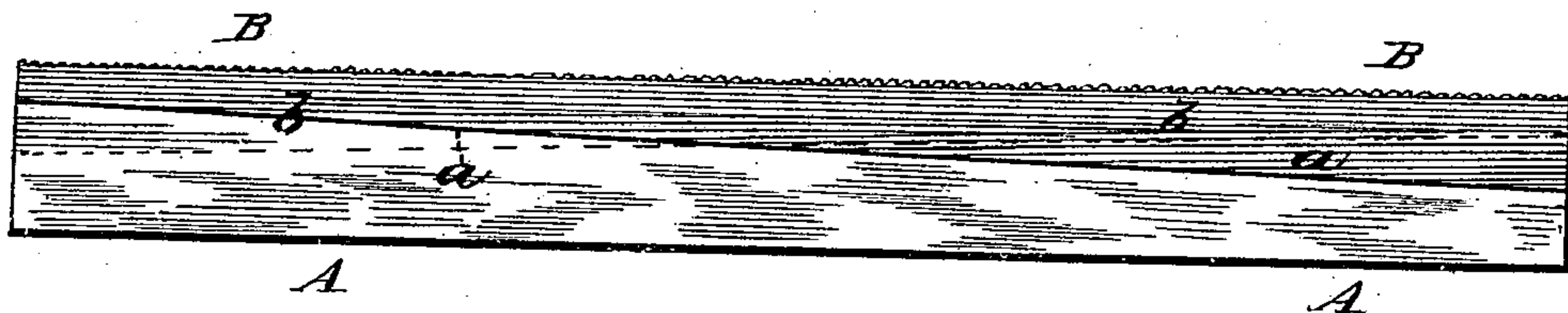
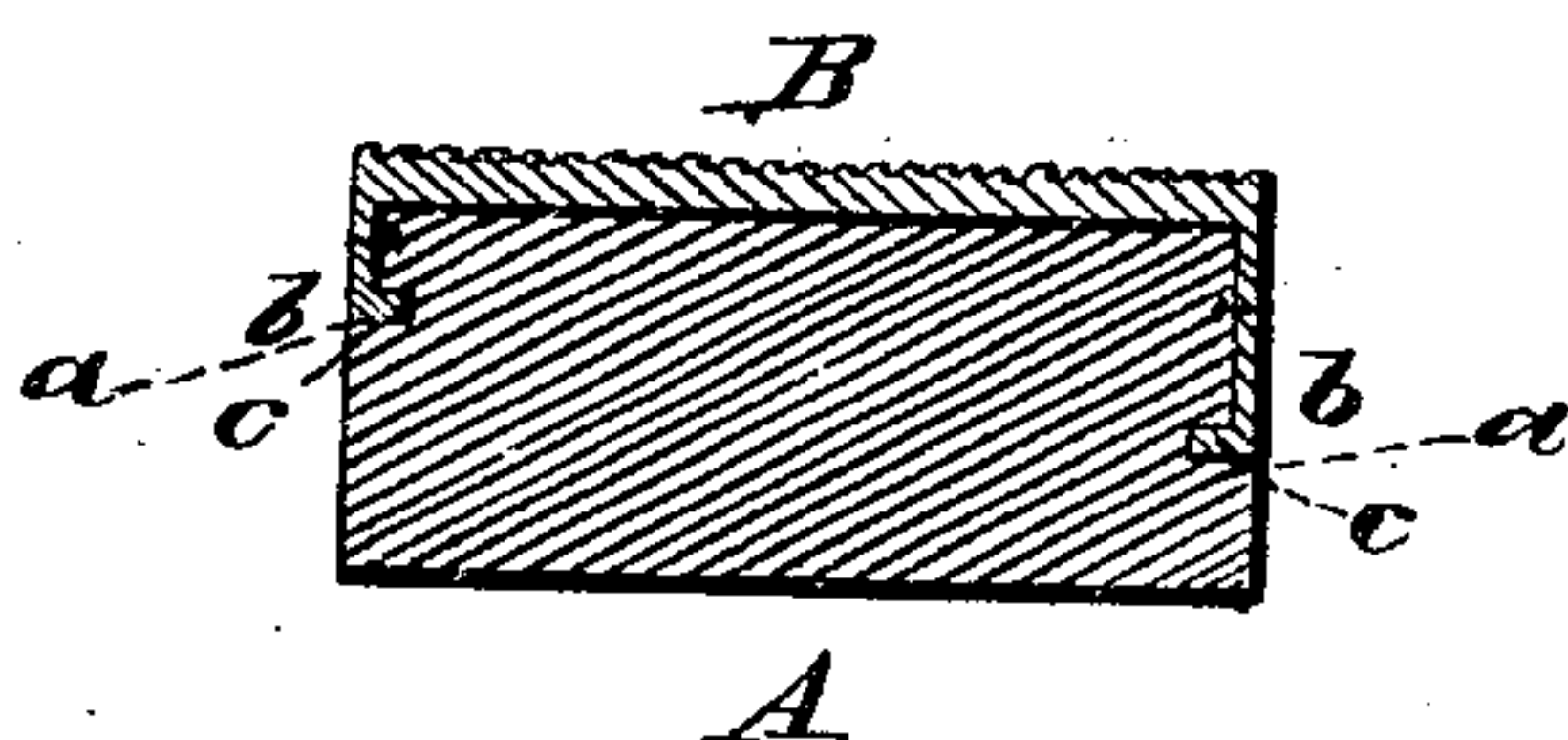


Fig. 4.



WITNESSES

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UNITED STATES PATENT OFFICE.

CHARLES W. E. EBERHARD, OF ST. PAUL, MINNESOTA, ASSIGNOR OF ONE-HALF TO HARLAN P. HALL, OF SAME PLACE.

STEREOTYPE-BLOCK.

SPECIFICATION forming part of Letters Patent No. 241,128, dated May 10, 1881.

Application filed March 12, 1881. (No model.)

To all whom it may concern:

Be it known that I, CHARLES W. E. EBERHARD, of St. Paul, in the county of Ramsey and State of Minnesota, have invented certain new and useful Improvements in Stereotype-Blocks; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a perspective view of one of my improved plates. Figs. 2 and 3 represent side views of opposite sides of the same, and Fig. 4 is a cross-section.

Similar letters of reference indicate corresponding parts in all the figures.

My invention has relation to that class of stereotype-blocks in which the wooden block or base is provided with means for preventing displacement endwise of the superimposed stereotype-plate; and it consists in so grooving the sides of the block or base that one pair of grooves, one on each side of the block, will hold the plate firmly upon the block without additional grooves or other adjuncts, and effectually prevent displacement in vertical, lateral, and longitudinal directions.

In the annexed drawings, the letter A represents the wooden block or base, the sides of which are grooved longitudinally from end to end, the said grooves or channels *a a* on opposite sides of the block being inclined in reverse directions, one of the grooves slanting from right to left and the other from left to right.

B represents the stereotype-plate or printing-surface, which is cast upon block A, the sides of the block, above the slanting or inclined grooves *a a*, being rabbeted or cut away a little, to allow a sufficient thickness of metal to form a downward-projecting flange, *b*, on

each side. In casting the plate upon the block the metal will run into and fill up the inclined side grooves, *a a*, thus forming plate B with side flanges, *b b*, which are inclined in reverse directions, and provided with tongues or bottom flanges, *c c*, along their lower inclined edges, which project into the inclined side grooves, *a a*, as clearly shown in the drawings.

I am aware that blocks have been made with side grooves parallel to one another and to the top and bottom of the block, and I am also aware that blocks have been made with longitudinally-oblique tongues on the top or face of the block; but in the first of these cases additional means have to be provided to prevent displacement longitudinally of the stereotype-plate upon its block, and in the last-named case additional means must be provided to prevent the plate from being lifted off of the face of the block or base. By my improvement—*i. e.*, inclining the side grooves, *a a*, of the wooden block or base in reverse directions—displacement of the plate upon its block is effectually prevented in either direction without additional means of fastening the two together; hence

I claim and desire to secure by Letters Patent of the United States—

The improved stereotype-block composed of the wooden base A, having longitudinal side grooves, *a a*, inclined in reverse directions, and the stereotype-plate B, having side flanges, *b b*, inclined in reverse directions, and provided with tongues or flanges *c c*, occupying the inclined side grooves, *a a*, in the block or base, as set forth.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

CHARLES W. E. EBERHARD.

Witnesses:

H. P. HALL,
GEO. M. STONE.