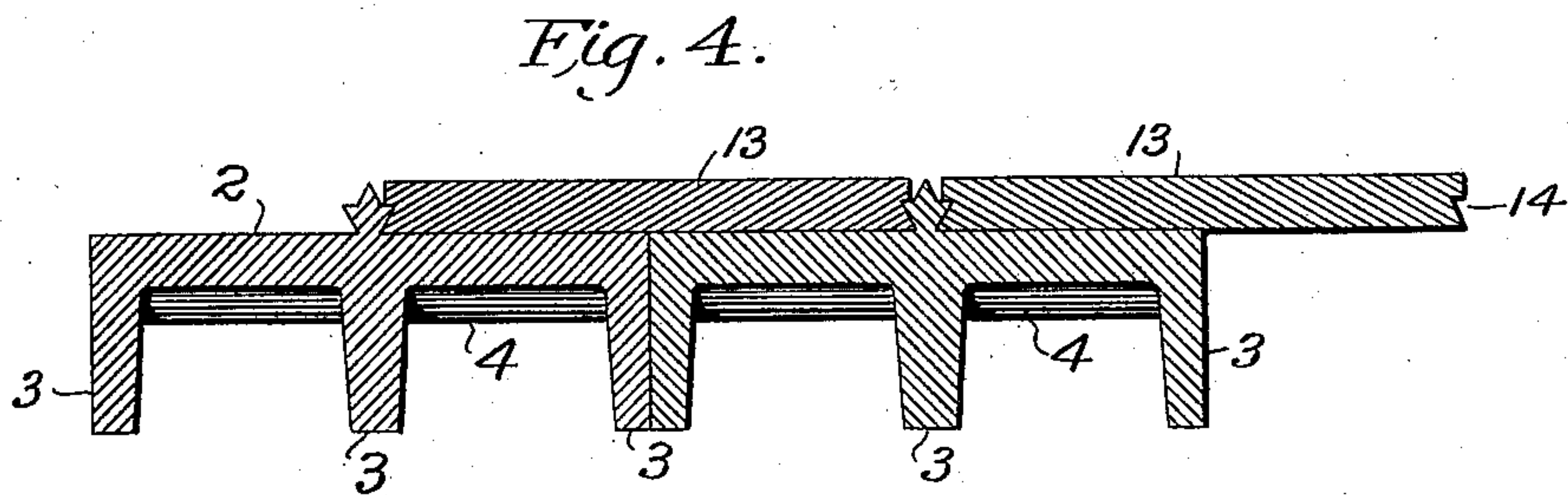
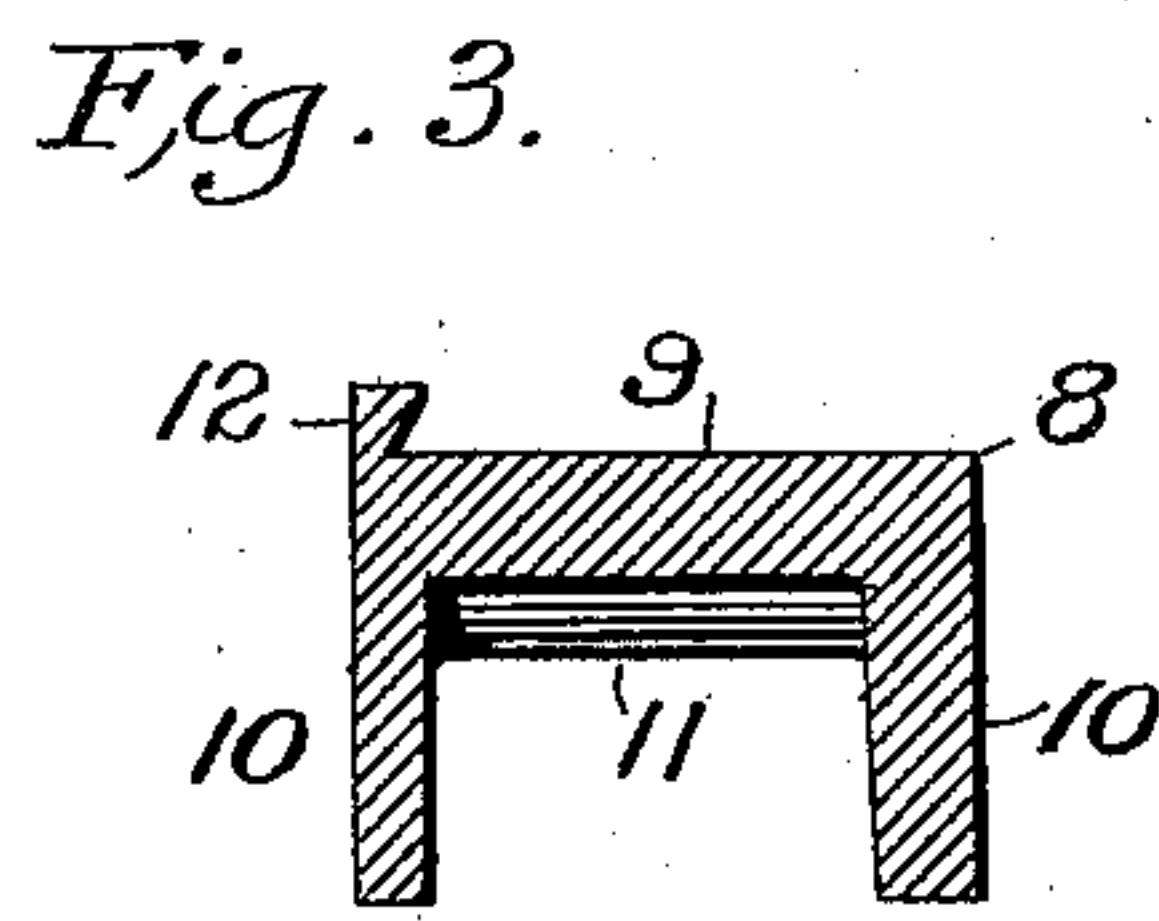
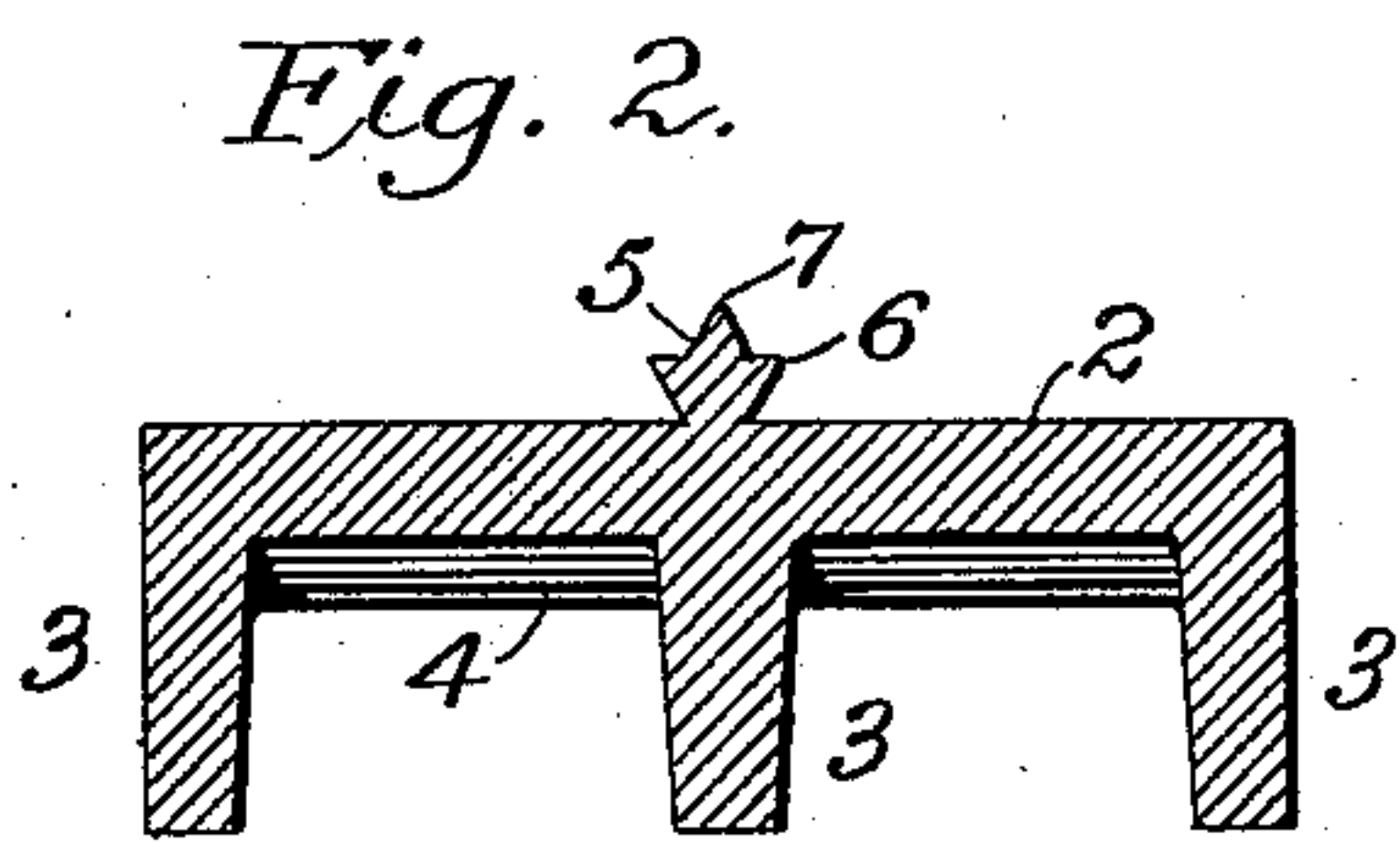
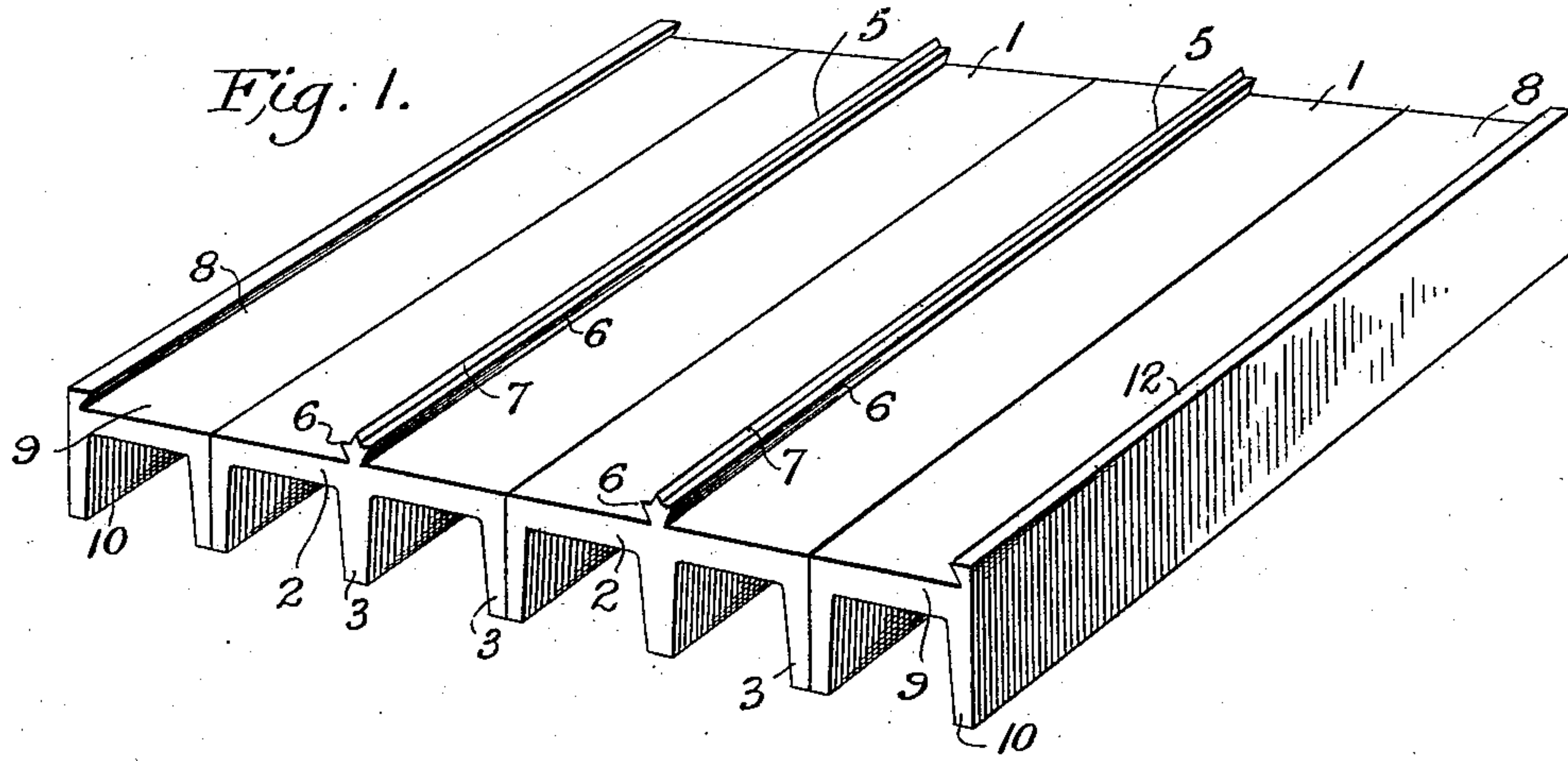


(No Model.)

C. PIEPER.  
BED BLOCK FOR STEREOTYPE PLATES.

No. 591,422.

Patented Oct. 12, 1897.



Witnesses

James F. Orham  
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# UNITED STATES PATENT OFFICE.

CARL PIEPER, OF MENOMONEE, WISCONSIN.

## BED-BLOCK FOR STEREOTYPE-PLATES.

SPECIFICATION forming part of Letters Patent No. 591,422, dated October 12, 1897.

Application filed April 20, 1897. Serial No. 632,973. (No model.)

*To all whom it may concern:*

Be it known that I, CARL PIEPER, a citizen of the United States, residing at Menomonee, in the county of Dunn and State of Wisconsin, have invented certain new and useful Improvements in Bed-Blocks for Stereotype-Plates; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention appertains to improvements in blocks or bases which receive the stereotype-plates to bring the latter at the proper height when used with the ordinary printing-presses.

The invention contemplates a construction that provides a block in which guides or rails which interlock with the plates are extended upward to form a line or column-rule in printing, thereby dispensing with the use of the ordinary brass column-rule usually inserted between the plates.

In carrying out my invention, I employ two sets of blocks, one set being of double width and having a central longitudinal interlocking rail forming the dividing-line or column-rule, and the other set being of a smaller or single width and having a lower rail at one edge representing the edges of a page, which are not ruled.

In the following specification I have entered into a detailed description of the invention, reference being had to the drawings, and to numerals thereon, which designate the different parts, and what I consider to be the novel features of construction are specifically recited in the claims.

In the accompanying drawings, forming a part of this specification, Figure 1 is a perspective view showing a number of blocks constructed in accordance with my invention and arranged to receive the stereotype-plates. Fig. 2 is a transverse sectional view through the blocks which carry the column-rules. Fig. 3 is a transverse sectional view through the smaller blocks, which are located at the sides of the frame. Fig. 4 is a sectional view showing two of the blocks arranged side by side and having the plates mounted thereon.

Referring to the drawings by numerals, 1 1

designate the intermediate blocks or bases which present the top piece or plate 2, from which depend the feet or legs 3 3, connected by webs 4 in the usual manner. At the center of this block or piece and extending longitudinally thereon is a rail or strip 5, presenting projecting portions 6 6 at opposite sides, which are undercut, as shown, and intermediate these projections is an upward projection 7 of a height to extend above the stereotype-plates flush with the printing-surfaces thereof.

8 designates the blocks or base-pieces which are employed at each end of the form or page, and consists of the top plate 9, supported by the depending flanges or feet 10 10, connected by the webs 11. At one edge of the top plate 9 is an integral strip or projection 12, extending longitudinally thereon, the inner edge of said projection or strip being undercut, as shown.

In connection with the blocks or base-pieces constructed as hereinbefore described the stereotype-plates 13 are provided at each side edge with longitudinal grooves or recesses 14, that receive the corresponding sides of the rails which interlock therewith. In placing the stereotype-plates upon the blocks or base-pieces they are slid sidewise into engagement with one of the rails and the adjoining block is moved to bring its rail in engagement with the plate, the other plates being placed upon the blocks in a similar manner until the page has been completed, the smaller blocks engaging the outer edge of the outer stereotype-plates.

By providing the bed-blocks or base-pieces for stereotype-plates with the interlocking guide-rails constructed as hereinbefore described the ordinary column-rules are dispensed with, as the upward projections of the intermediate rails present an edge or rule on a line with the printing-surfaces of the characters, so as to make an impression similar to the ordinary rules. To this end the said bed-blocks or base-pieces are preferably made of cast metal and the upper edges of the rails properly finished. It will be understood, of course, that the smaller blocks are constructed in proportion to the larger ones, so that two could be placed together and form an inter-



mediate block without the rule when it is not desired to have the usual dividing-line or column-rule.

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

1. A bed-block for stereotype-plates having a longitudinal rail integral therewith and extended to form a column-rule, substantially as shown and described.

2. A bed-block for stereotype-plates having a longitudinal rail formed integral therewith, the side edges of said rail being undercut and the upper part extended to form the ordinary column-rule to be used in connection with stereotype-plates having recessed edges, substantially as shown and for the purpose set forth.

3. A bed-block for stereotype-plates having a longitudinal rail formed integral therewith and presenting an undercut edge, in connection

with the stereotype-plate having recesses in its side edges, substantially as shown and described.

4. The combination with a bed-block for stereotype-plates, of a longitudinal rail formed integral with said bed-block at the center of its top, said rail presenting side extensions which are undercut, and an upper extension which is brought to an edge to form the ordinary column-rule, in connection with the stereotype-plates having longitudinal recesses in their side edges to conform with the shape of the rails, substantially as shown and for the purpose set forth.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

CARL PIEPER.

Witnesses:

J. B. MCKAHAN,  
JOHN C. WILCOX.