

No. 848,104.

PATENTED MAR. 26, 1907.

F. J. HERDLE.
FORM BED FOR PRINTING PRESSES.
APPLICATION FILED SEPT. 8, 1903.

Fig. 1.

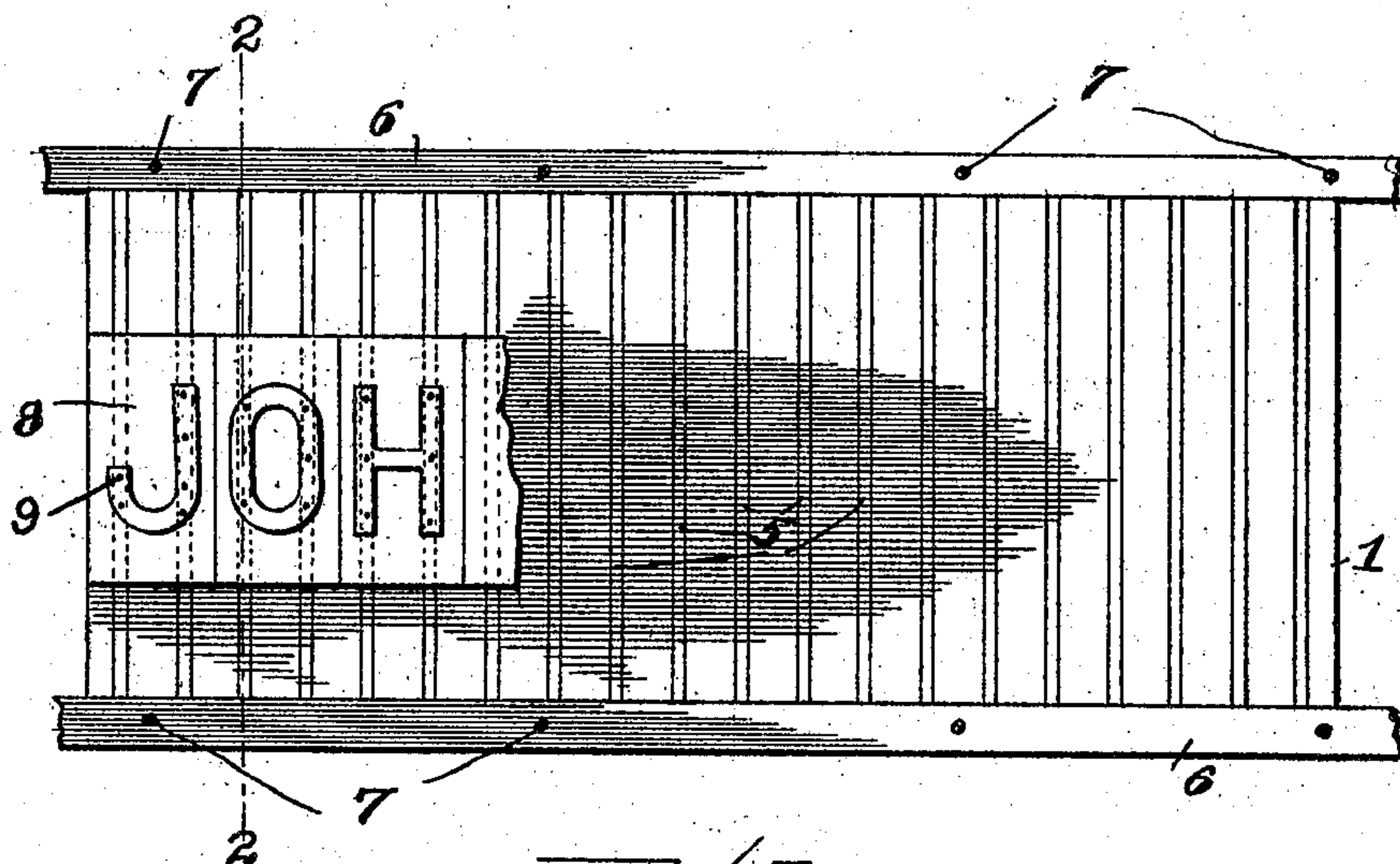


Fig. 2.

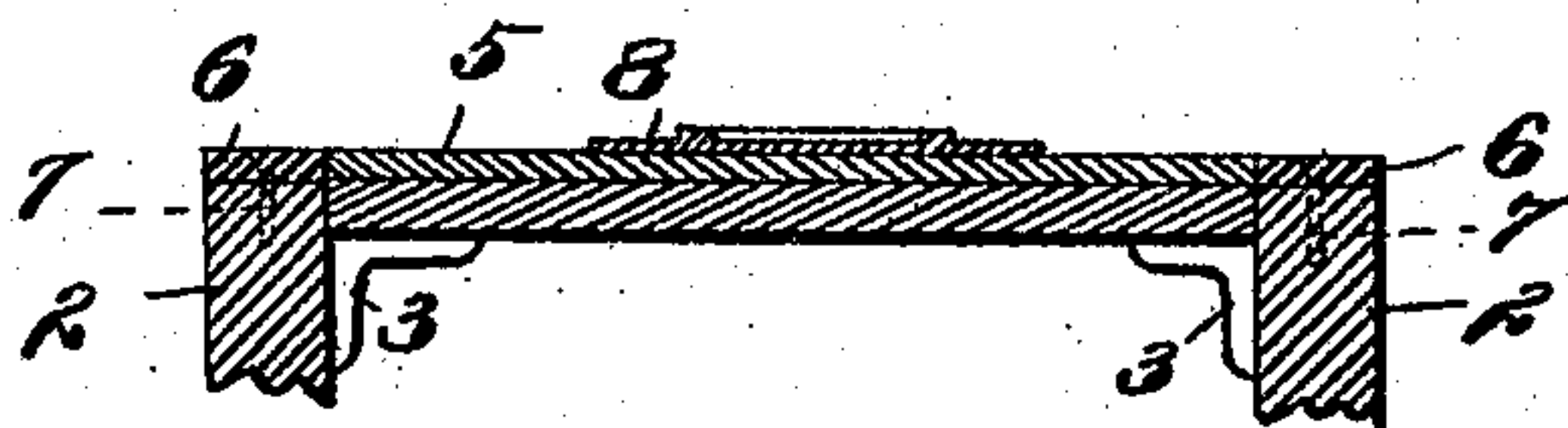
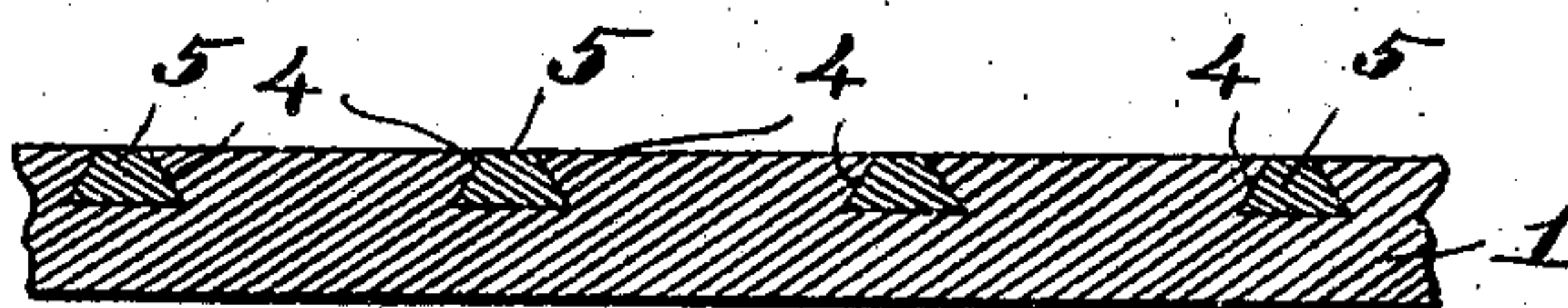


Fig. 3.



Witnesses—

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UNITED STATES PATENT OFFICE

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FORM-BED FOR PRINTING-PRESSES.

No. 848,104.

Specification of Letters Patent.

Patented March 26, 1907.

Application filed September 8, 1903. Serial No. 172,324.

To all whom it may concern:

Be it known that I, FREDERICK J. HERDLE, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Form-Beds for Printing-Presses, of which the following is a specification.

This invention relates to form-beds for printing-presses adapted to print large signs upon wood, metal, or fabric, and refers particularly to a means for securing type upon said form-beds.

In printing large signs and similar work wooden type is usually employed, and said letters ordinarily being large the type is subject to warping and swelling.

The object of this invention, therefore, is to provide a means for securing such large wooden type to the form-bed in such manner as to overcome the distortion of each individual type and hold all of the type with their faces in their proper plane for printing.

A further object of the invention is to provide a form-bed with such holding means that it shall be renewable when worn by long-continued use.

In the accompanying drawings, Figure 1 is a top plan view of a form-bed embodying the features of my invention. Fig. 2 is a transverse section on dotted line 2 2 of Fig. 1. Fig. 3 is an enlarged longitudinal sectional detail.

In the embodiment herein shown of this invention I provide a form-bed, preferably of metal, having the raised body portion 1 and the side bars 2, which body portion and side bars are secured together by means of the cross-bars 3. In the face of the raised body portion 1 and extending transversely thereof I form at equal intervals throughout the length of said body portion undercut or dovetail grooves 4, adapted to receive strips 5, preferably of hard wood. These strips are of dovetail form in cross-section and are adapted to fit snugly within the transverse undercut grooves 4. To hold the strips 5 in position within the body portion 1, I provide the side bars 2 with facing-rails 6, which rails are secured to the upper faces of said side bars by means of the machine-screws 7. Should

the strips 5 become worn or mutilated, they may be withdrawn from the grooves 4 by removing the facing-rails 6. After new strips are driven into the grooves the facing-rails 6 are replaced.

Type-letters 8 of common construction are placed upon the form-bed and secured to the face of said bed by means of screws 9, passing through suitable openings in said letters and entering the wooden strips 5. By making the strips 5 of fair thickness a sufficient amount of pressure can be brought to bear upon each type by means of the screws 9 to overcome any tendency of said type to warp or become otherwise distorted. To remove the type from the bed, the screws 9 are removed, different matter placed upon the bed, and the type composing such substituted matter secured to the face of the bed in the manner just described.

When the form is composed of ordinary metallic type, metallic strips are employed in place of the wooden strips, hereinbefore referred to, in order to afford a firm unyielding surface over the whole form-bed.

It is clear that various changes might be made in the embodiment herein shown of this invention without departing from the spirit and scope thereof; wherefore I desire to have it understood that I do not limit myself to the precise details herein illustrated and described.

I claim as my invention—

A metallic form-bed for printing-presses having undercut grooves in its face extending from side to side, which grooves extend at substantially a right angle with the sides of said form-bed and are adapted to receive strips of wood or metal, interchangeably, and for the purpose specified, said form-bed also being adapted at its upper side edges to receive facing-rails, which rails are adapted to prevent lateral movement of said strips, in combination with said strips and said rails and means for securing the rails to said form-bed.

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Witnesses:

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