

No. 723,099.

PATENTED MAR. 17, 1903.

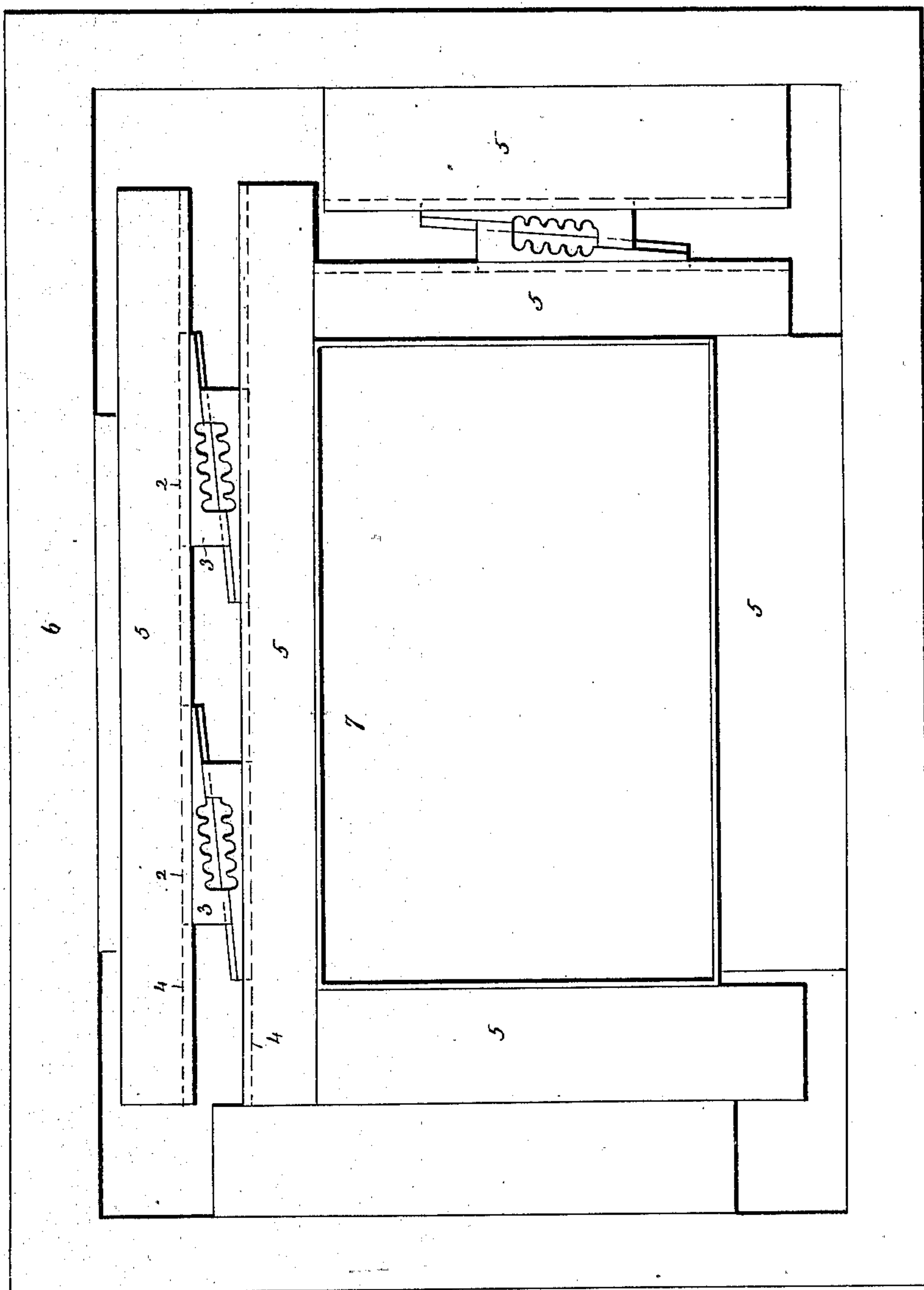
H. A. WHITE.  
PRINTER'S QUOIN.

APPLICATION FILED MAR. 24, 1902.

NO MODEL.

2 SHEETS—SHEET 1.

Fig 1



Witnesses.  
J. H. Shumway  
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Herman A. White  
Inventor.  
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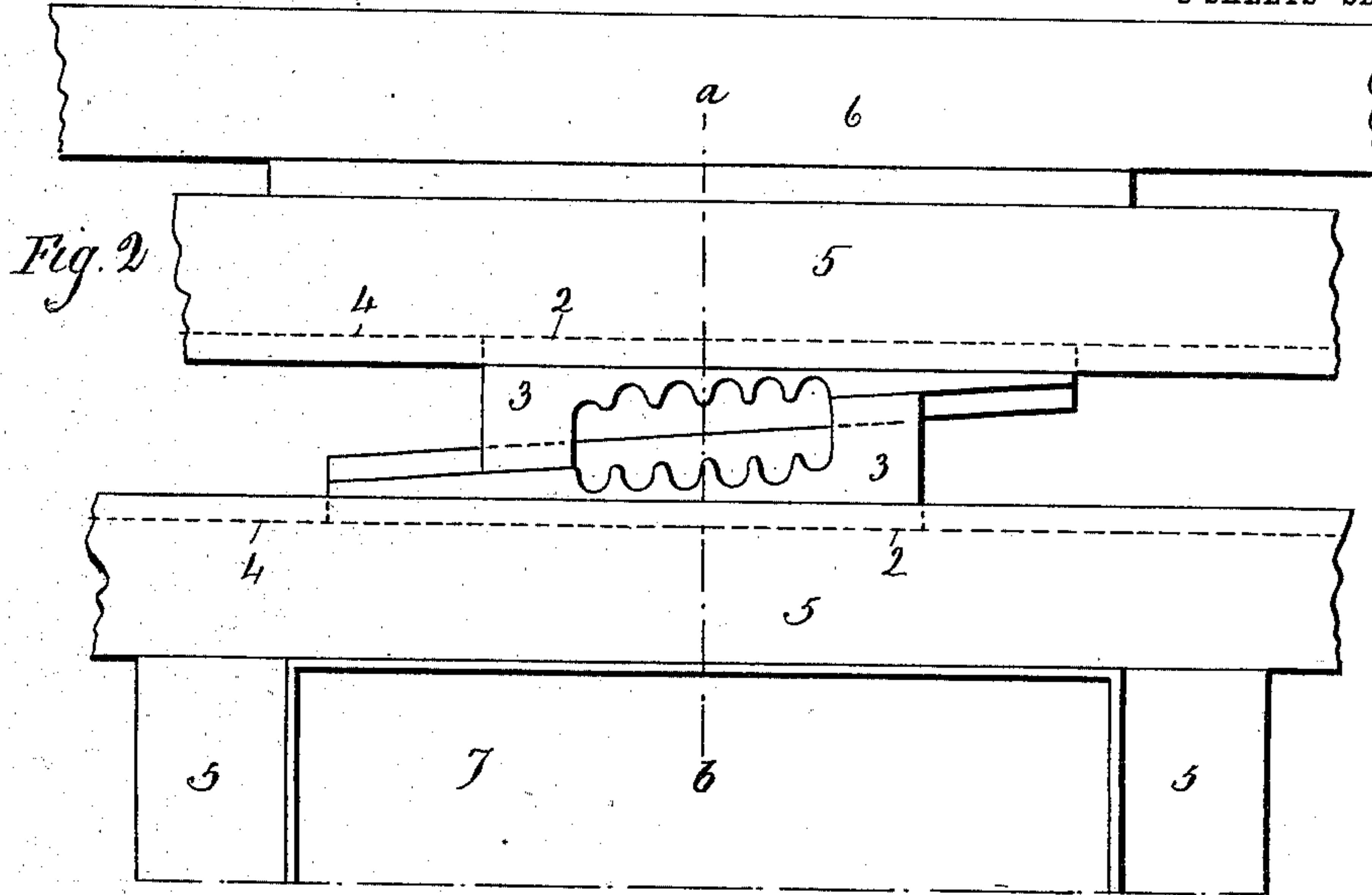
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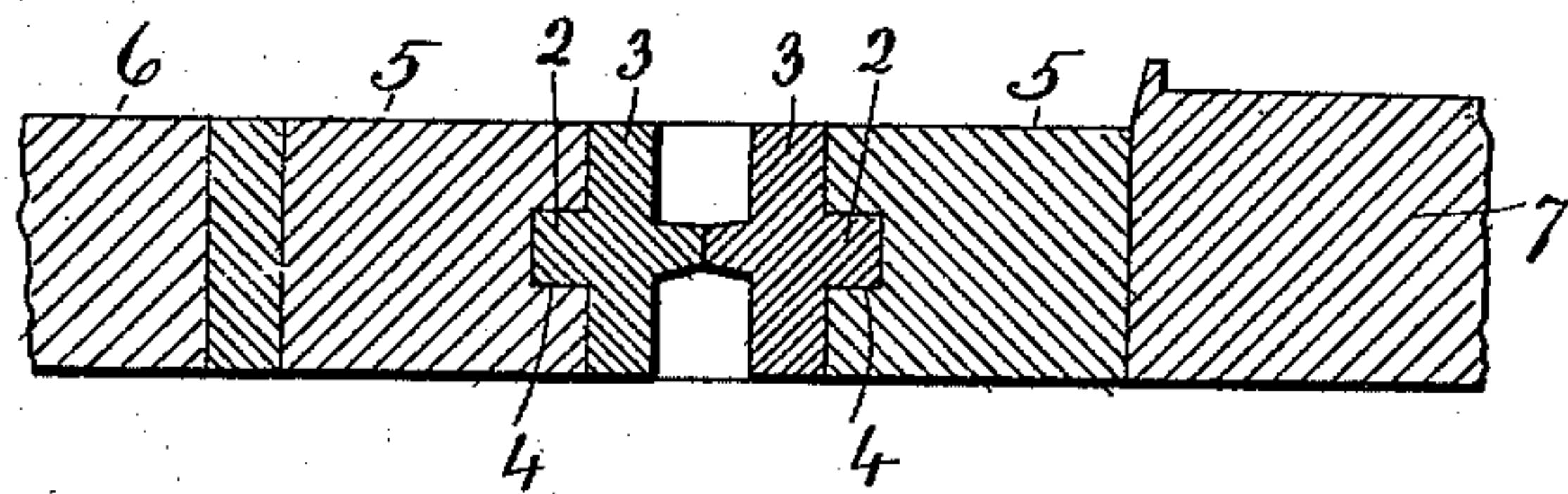
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NO MODEL.

2 SHEETS—SHEET 2.



*Fig. 3*

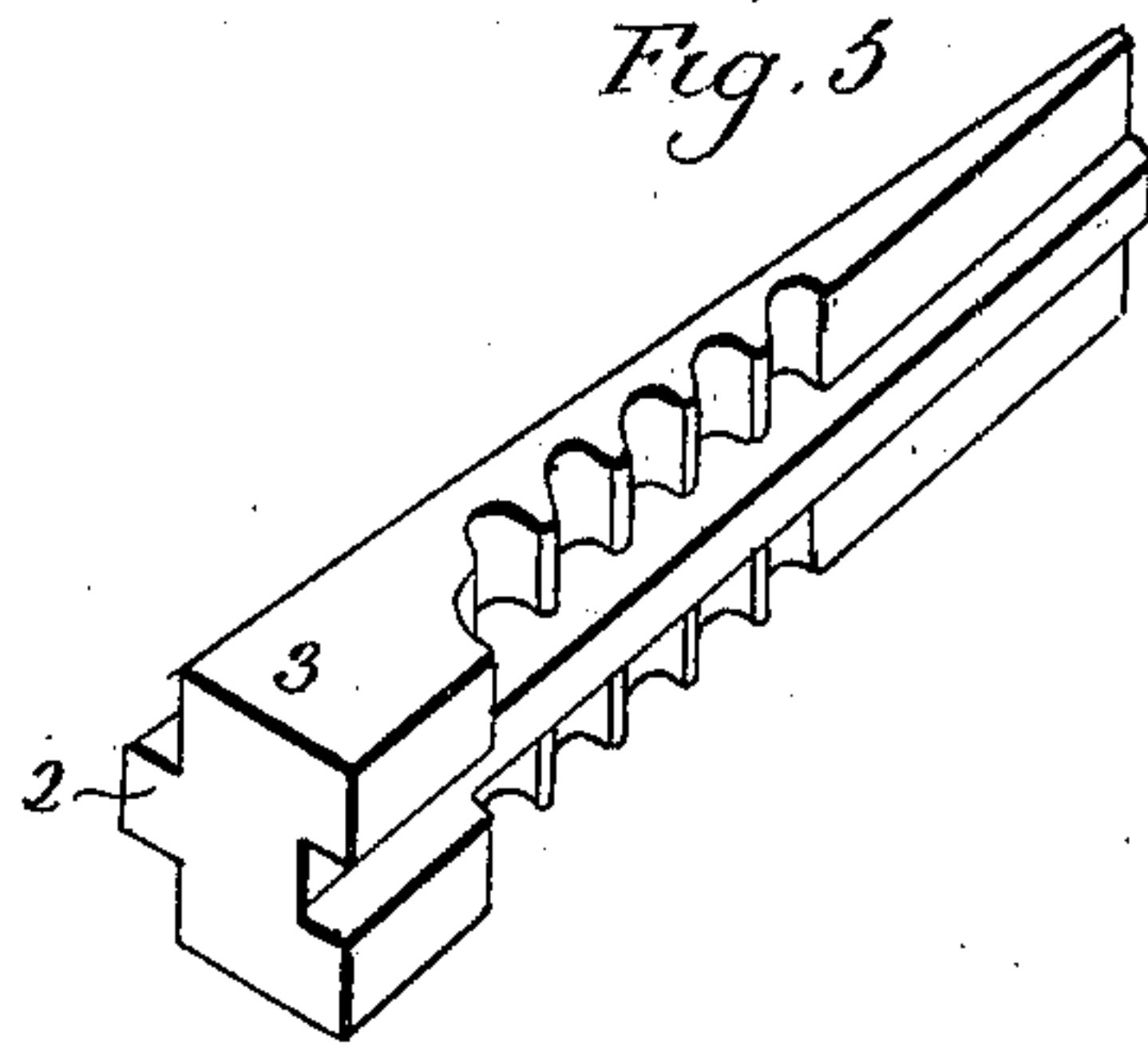
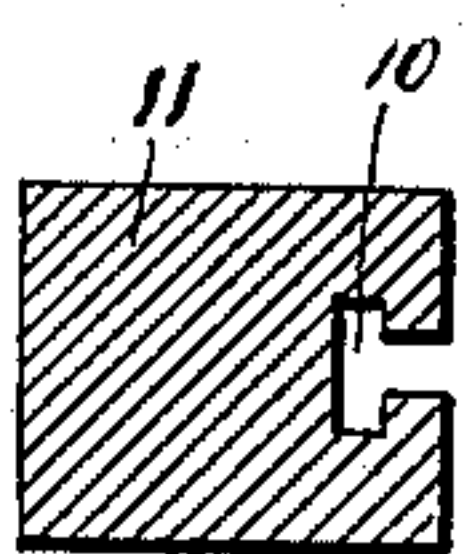
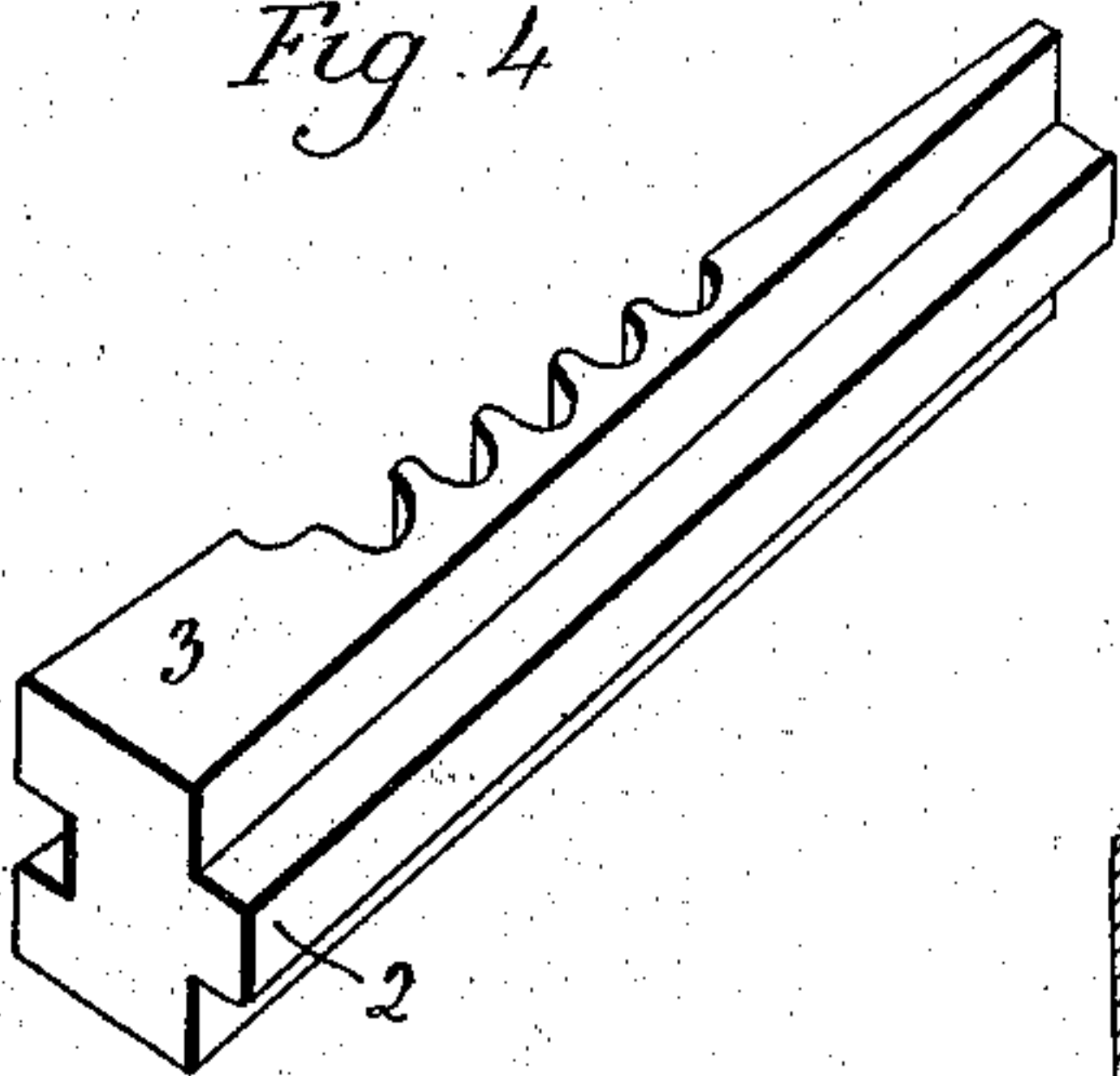


*Fig. 7*

*Fig. 6*

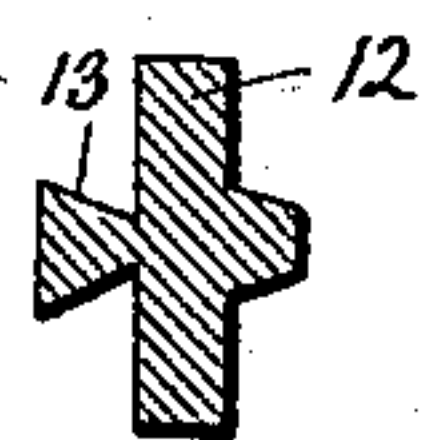
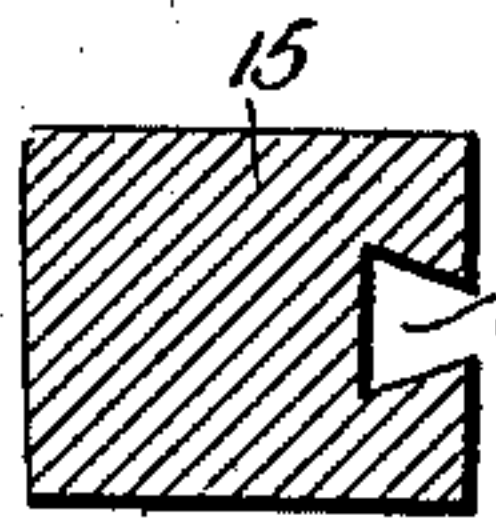
*Fig. 5*

*Fig. 4*

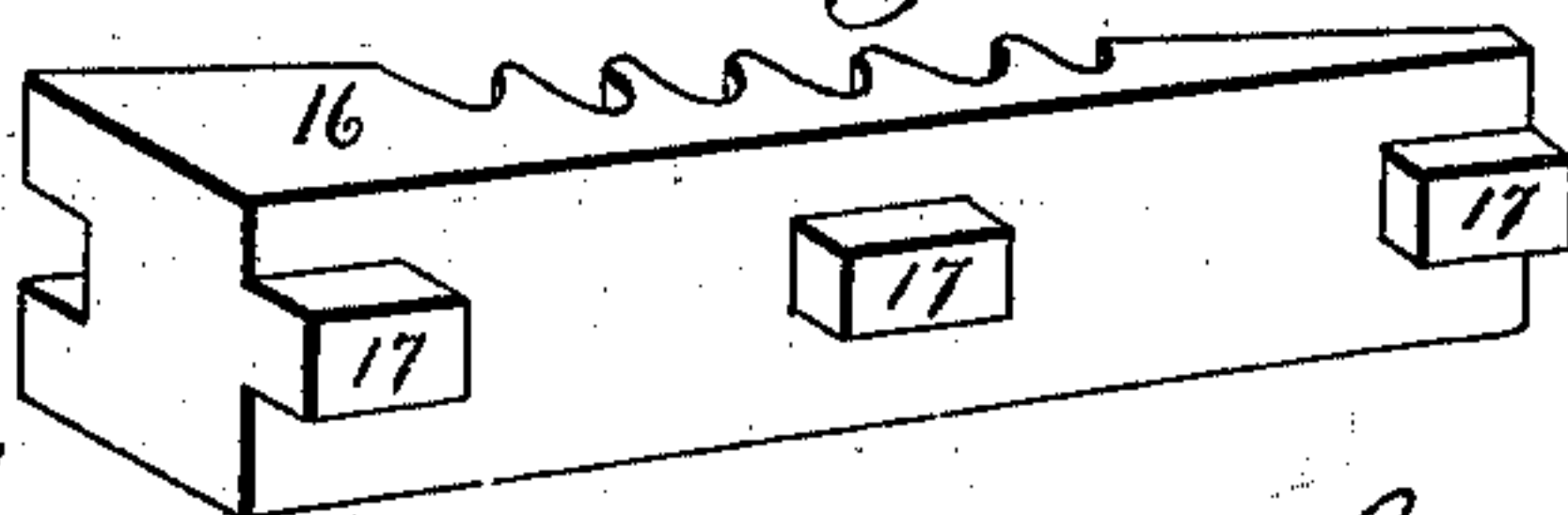


*Fig. 9*

*Fig. 8*



*Fig. 10*



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# UNITED STATES PATENT OFFICE.

HERMAN A. WHITE, OF MERIDEN, CONNECTICUT, ASSIGNOR TO THE CURTISS-WAY COMPANY, OF MERIDEN, CONNECTICUT, A CORPORATION.

## PRINTER'S QUOIN.

SPECIFICATION forming part of Letters Patent No. 723,099, dated March 17, 1903.

Application filed March 24, 1902. Serial No. 99,774. (No model.)

*To all whom it may concern:*

Be it known that I, HERMAN A. WHITE, of Meriden, in the county of New Haven and State of Connecticut, have invented a new and  
5 useful Improvement in Printers' Quoins; and I do hereby declare the following, when taken in connection with the accompanying drawings and the figures of reference marked thereon, to be a full, clear, and exact descrip-  
10 tion of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a plan view of a chase, showing the use of three pairs of quoins constructed  
15 in accordance with my invention; Fig. 2, a broken plan view of a portion of the chase, showing one pair of the quoins; Fig. 3, a sectional view on the line *a b* of Fig. 2; Fig. 4, a detached perspective view of one of the  
20 quoins, showing the retaining-rib extending throughout the length of its outer face; Fig. 5, a corresponding view showing the inner face of the quoin; Fig. 6, a view in transverse section of one of the modified forms which  
25 my improved quoin may assume; Fig. 7, a view showing how the furniture should be grooved for use in conjunction with the quoin shown by Fig. 6; Fig. 8, a sectional view of still another form which my improved quoin  
30 may assume; Fig. 9, a sectional view showing how furniture should be grooved for use in conjunction with the quoin of Fig. 8; Fig. 10, a view of the outer face of a quoin provided with a plurality of retaining projections in  
35 the form of lugs or bosses.

My invention relates to an improvement in printers' quoins, the object being to produce quoins which will not drop out of place in the furniture of the chase even though they may  
40 work loose under the vibrations incident to the operation of the press.

With these ends in view my invention consists in a two-part printer's quoin the respective parts of which have their inner faces re-  
45 versely inclined for wedging action upon each other when they are longitudinally moved in opposite directions and each having its outer face provided with one or more lateral projections, in combination with straight-sided  
50 longitudinally-grooved chase-furniture of rectangular cross-section for receiving the

projections of the parts of the quoin, whereby the said parts of the quoin are held in place in the furniture even though they work loose with respect to each other.

In carrying out my invention, as shown in Figs. 1 to 5, inclusive, of the drawings, I form a long retaining-rib 2 upon the outer face of a quoin 3, which may be of any suitable construction. The fellow quoin is provided with  
60 a similar retaining-rib, it being understood that these quoins are used in pairs. The inner faces of the respective quoins of each pair are reversely inclined, so that when the two quoins are longitudinally moved with respect  
65 to each other they will, as it were, wedge apart in proportion to the amount of their longitudinal movement in opposite directions without, however, disturbing the parallelism of their outer faces. Their inner faces are  
70 adapted in the usual manner to interlock and provided with teeth for the reception of a key by means of which their longitudinal sliding movement upon each other is effected. The ribs 2 extend lengthwise with the quoins and  
75 preferably throughout their length. For use in conjunction with such quoins I form a longitudinal groove 4 in each piece of furniture 5. When the quoins are in place, their ribs 2 enter the grooves 4 in the furniture 5.  
80 Then owing to the vibration of the press should the quoins of any pair work loose they will not drop away from their positions in the furniture, but will be retained therein by their ribs. This is a matter of very great  
85 importance and convenience, because as long as the quoins are retained in their positions in the furniture, even although they may be loose, they help keep the integrity of the relations of the several parts assembled in the  
90 frame or chase 6, which, as shown in Fig. 1, contains a form 7, held in place by several pieces of furniture differentiated more or less in size and by three pairs of quoins.

In the modified construction shown by Fig. 95 6 of the drawings the quoin 8 is formed upon its outer face with a T-shaped retaining rib or projection 9, which is entered into a corresponding T-shaped groove 10 in the furniture 11. (Shown by Fig. 7.)

In the modified form shown by Fig. 8 the quoin 12 is formed with a dovetail rib 13,  
100



which is entered into a dovetail groove 14, formed in the furniture 15. (Shown by Fig. 9.)

10 In the modified construction shown by Fig. 10 the quoin 16 is provided upon its outer  
5 face with a plurality of retaining projections in the form of lugs 17, which may be entered into furniture provided with grooves 4, as already described.

My improvement may be applied to all or  
10 almost all forms of printers' quoins whether of simple or specialized construction, as the outer faces of all quoins are smooth and may be furnished with my improved retaining projection or projections.

15 In view, therefore, of the modifications suggested and of others which may be made I would have it understood that I do not limit myself to the exact construction herein shown and described, but hold myself at liberty to  
20 make such alterations therefrom as fairly fall within the spirit and scope of my invention.

Having fully described my invention, what

I claim as new, and desire to secure by Letters Patent, is—

A two-part printer's quoin, the respective 25 parts of which have their inner faces reversely inclined for wedging action upon each other when they are longitudinally moved in opposite directions and each having its outer face provided with one or more lateral pro- 30 jections, in combination with straight-sided longitudinally-grooved chase-furniture of rectangular cross-section for receiving the projections of the parts of the quoin, whereby the said parts of the quoin are held in place 35 in the furniture, even though they work loose with respect to each other.

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

HERMAN A. WHITE.

Witnesses:

WILBUR F. DAVIS,  
WILLIAM H. WAY.