

F. W. E. BRINCKMANN.

QUOIN.

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916,991.

Patented Apr. 6, 1909.

Fig. 1

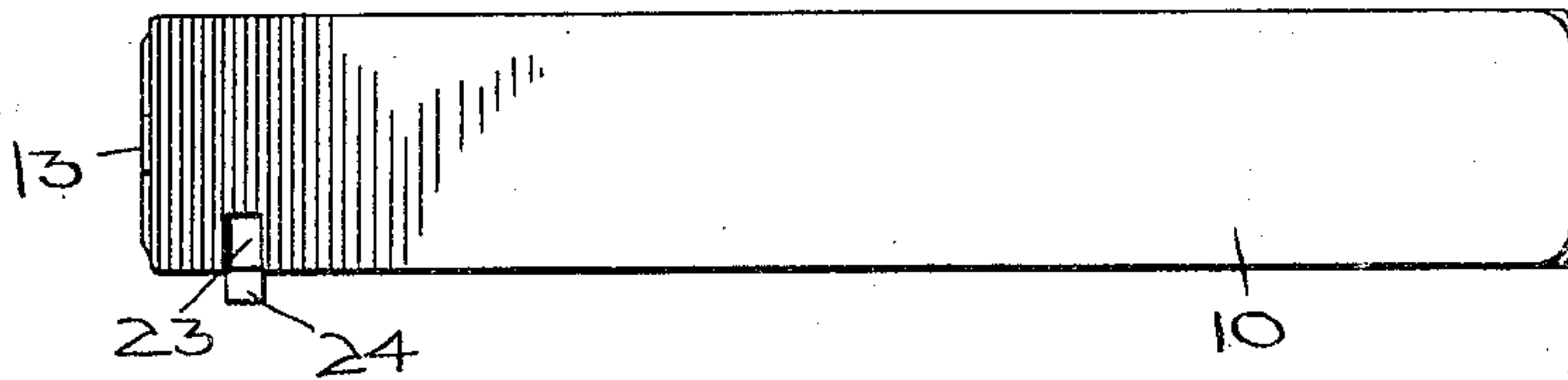


Fig. 2

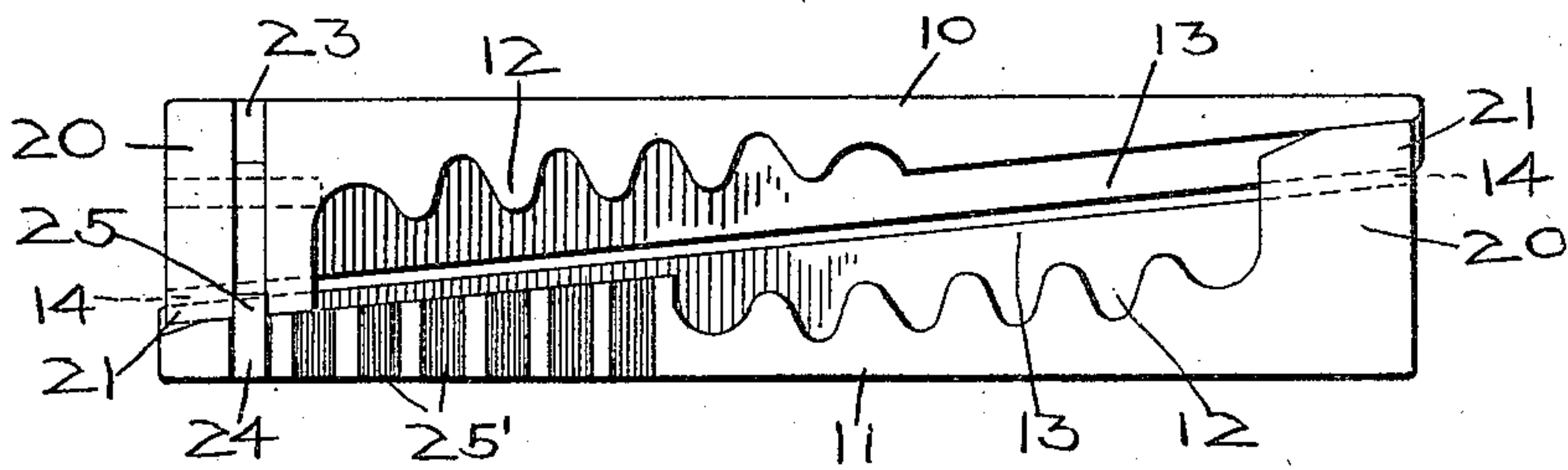


Fig. 3

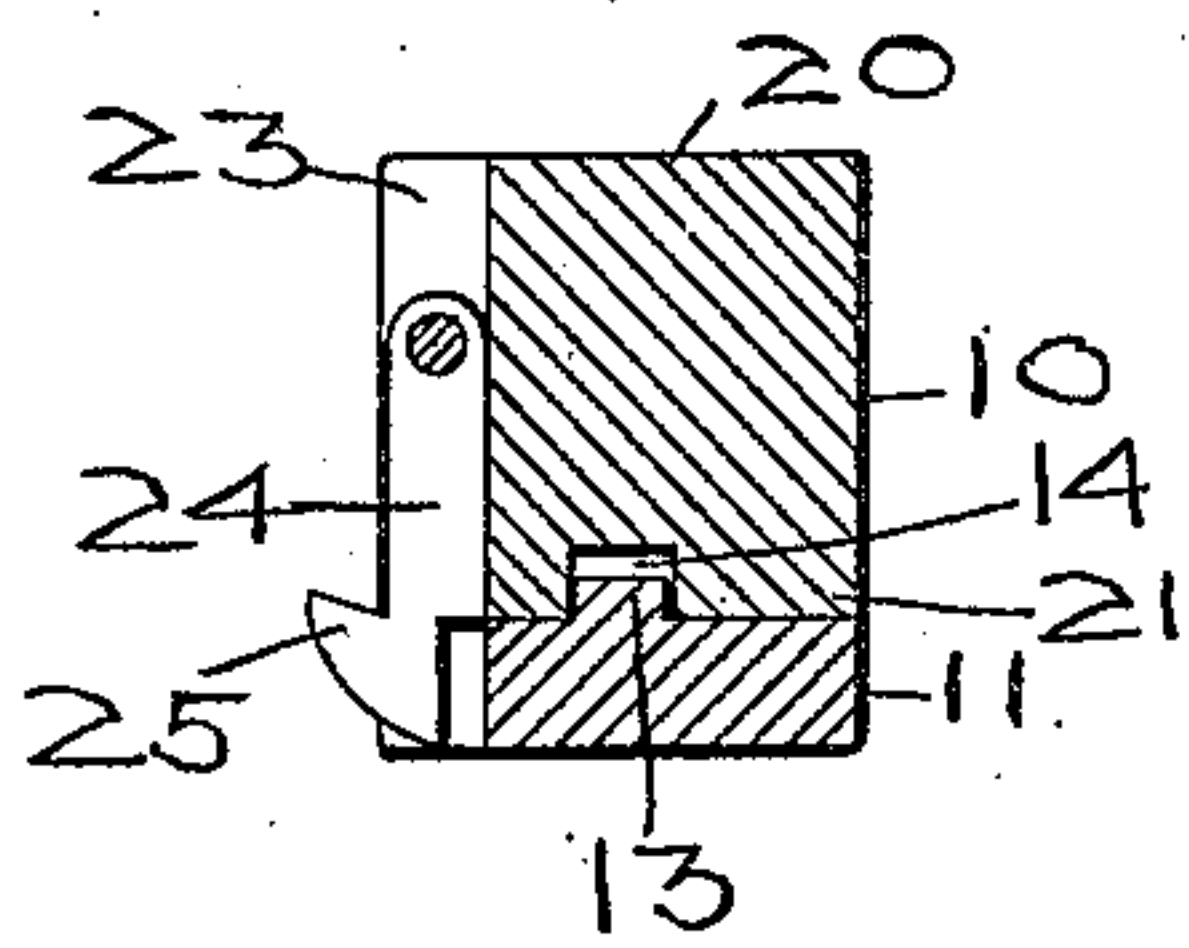
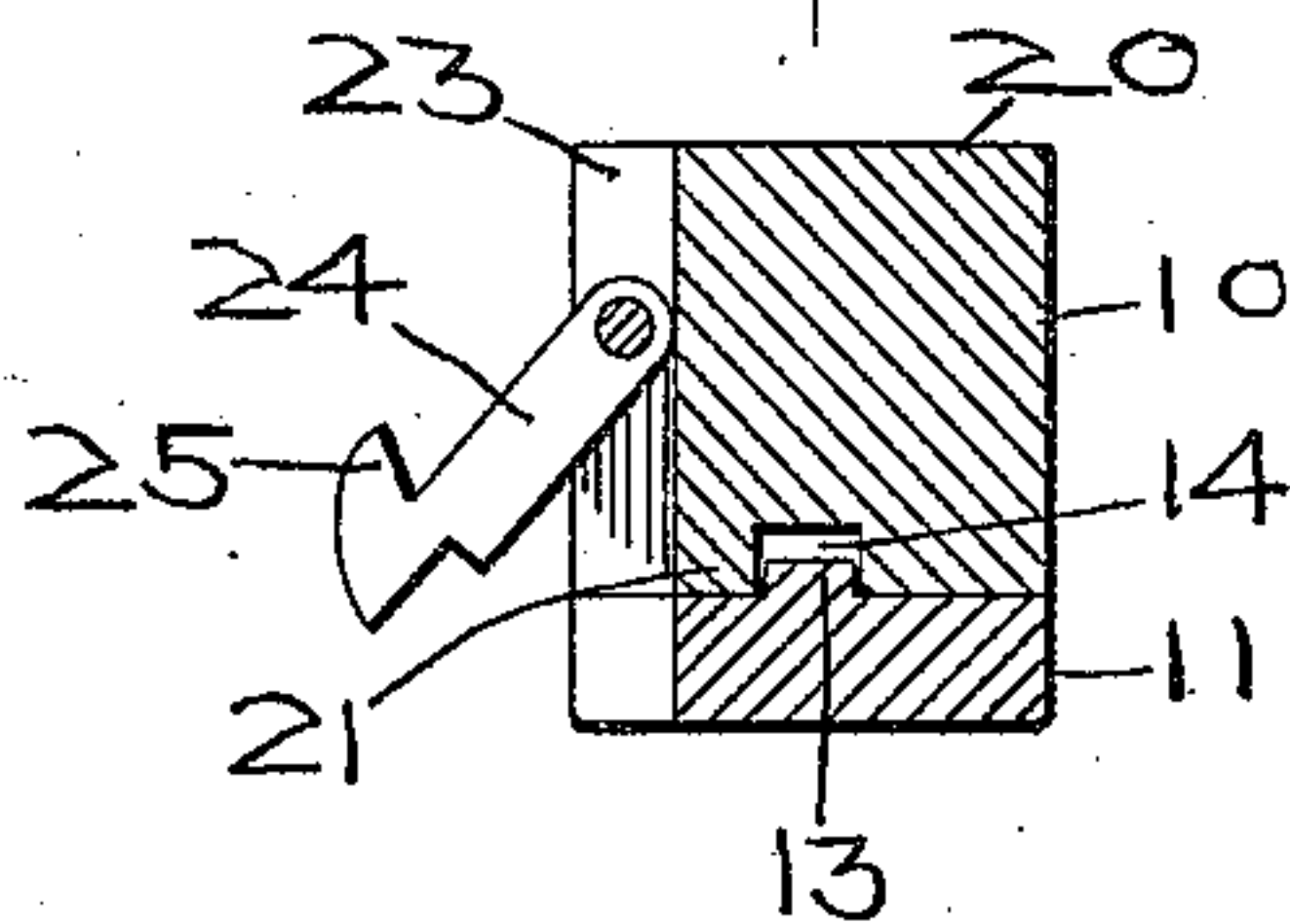


Fig. 4



Witnesses

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# UNITED STATES PATENT OFFICE.

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## QUOIN.

No. 916,991.

Specification of Letters Patent.

Patented April 6, 1909.

Application filed March 31, 1908. Serial No. 424,414.

*To all whom it may concern:*

Be it known that I, FREDERICK W. E. BRINCKMANN, a citizen of the United States, residing at Jersey City, in the county of Hudson and State of New Jersey, have invented certain new and useful Improvements in Quoins, of which the following is a specification.

This invention relates to printing, and more particularly to printers' chase furniture, and has for its object to provide a means for locking forms in a chase without danger of special adjustments being disturbed.

Another object is to provide a quoin by the use of which it will be possible to unlock a form and make corrections therein and again lock the form to exactly the same adjustment as before, so that the underlay or overlay in the make ready will register with the type as at first adjusted.

Another object is to provide a quoin having these advantages, which will involve but slight change in the process of manufacture now in use with the usual type of quoin.

Another object is to provide a quoin which may be operated to lock a form by the same means now in general use.

Other objects and advantages will be apparent from the following description, and it will be understood that changes in the specific structure shown and described may be made within the scope of the claims, and that any suitable materials may be used without departing from the spirit of the invention.

In the drawings forming a portion of this specification, and in which like numerals of reference indicate similar parts in the several views, Figure 1 is a top view of the quoin, Fig. 2 is a cross sectional view of the quoin showing the locking means in engaged position, Fig. 3 is a side view of the quoin, Fig. 4 is a cross sectional view similar to Fig. 2 showing the locking means in disengaged position.

Referring to the drawings, there is shown a quoin approximately of the form now generally in use, comprising two oppositely disposed members 10 and 11 of wedge shape longitudinally, having recessed ratchet portions 12 on their adjacent faces adapted for coengagement therewith of a key member of the usual type, and each having a longitudinally extending rib 13 located

centrally of the adjacent faces and arranged for sliding engagement in a groove 14 formed at the thick end of each section upon rotation of the key. The ratchet faces 12 extend only over a portion of the length of the sections, and at their thicker ends there is a head portion 20, having the above mentioned groove 14 formed in the inner side thereof. At the opposite or tapered end of the sections, there are flanges 21 extending laterally on each side of the rib 13 above mentioned.

A laterally extending slot 23 is formed in the top of the head portion of one of the sections, and has pivoted therein a dog 24 arranged to project outwardly of the slot on either side of the section. The dog 24 is provided with an upwardly projecting finger engaging portion 25 adjacent to its free end, said projection being arranged to extend downwardly over the outer face of the section 10 at times. The adjacent flange portion 21 of the opposite section is provided with a series of transversely extending recesses or channels 25' formed in its upper face, being arranged to register successively with the slot 23 in the head 20 upon sliding movement of the sections 10 and 11 with relation to each other. The slots 25' are arranged to receive the dog 24 downwardly therein to lock the sections against displacement longitudinally of each other. The slots are flared upwardly to facilitate the engagement of the dog therein as shown, the intervening portions forming a series of ribs or projections serving to effectively engage the dog 24.

What is claimed is:—

1. A quoin comprising oppositely disposed wedge shaped sections of the usual type and having opposed rack faces for the engagement therebetween of a key for sliding movement of the sections with relation to each other when the key is rotated, one of said sections provided with a series of spaced transverse recesses forming ribs in its upper face at its pointed end outwardly of the rack faces and extending horizontally when in operative position, the other of said sections having a single transverse recess formed therein adapted to register successively with said first named recesses upon relative sliding movement of the sections, and a bar member pivoted in said last named recess arranged for oscillation to lie with its outer portion disposed longitudinally in any of



said first named recesses and adapted to be thrown out of such position at other times.

2. A quoin comprising wedge sections having opposed ratchet faces, one of said sections having a series of spaced transverse recesses extending horizontally in its upper face when in operative position, the other of said sections having a bar member pivoted thereon and adapted for oscillation to extend over the adjacent section and to lie with its outer end portion disposed longitudinally in any of said recesses to lock the sections against relative movement.

3. A quoin comprising oppositely disposed wedge sections having in combination opposed ratchet faces, a series of spaced trans-

verse channels therebetween and extending horizontally on the upper side of the quoin when in operative position, and a single groove formed in the upper face of the opposite section and adapted to register successively with the channels upon relative movement of the sections; and a lever pivoted in the groove and adapted for oscillation to extend longitudinally into said channels for locking engagement therewith.

In testimony whereof I affix my signature, in presence of two witnesses.

FREDERICK W. E. BRINCKMANN.

Witnesses:

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