(No Model.)

S. D. WEBB.

LOCKING UP DEVICE FOR TYPE FORMS.

No. 259,251. Patented June 6, 1882.

Fig. 1.

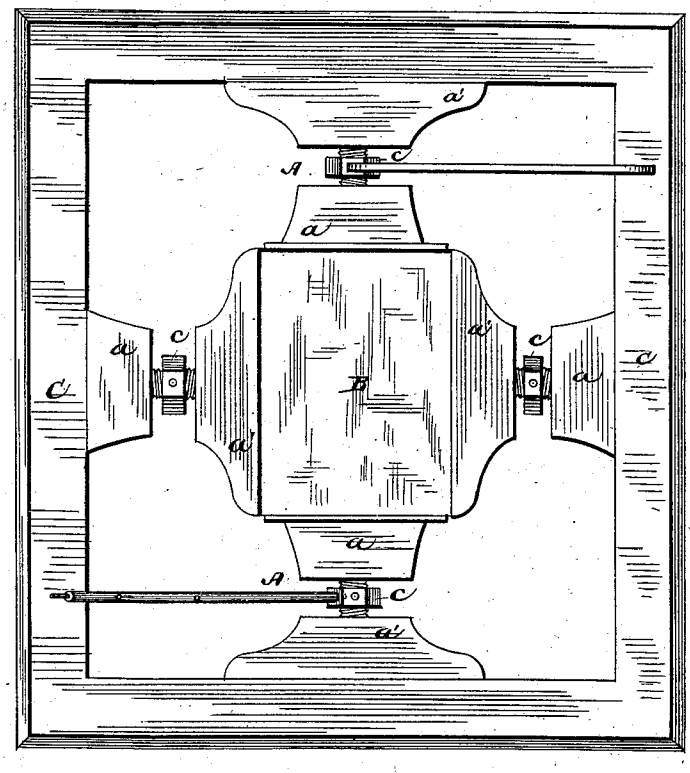


Fig. 2.

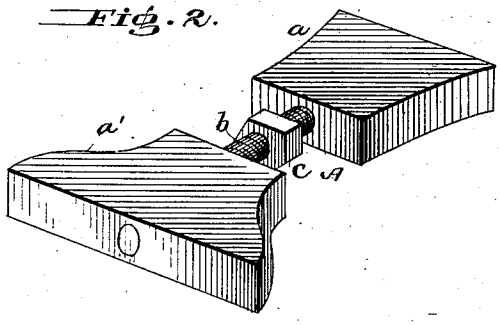
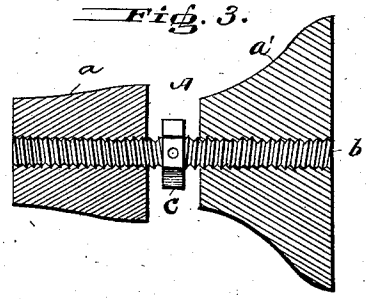


Fig. 3.



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UNITED STATES PATENT OFFICE.

SAMUEL D. WEBB, OF WASHINGTON, DISTRICT OF COLUMBIA, ASSIGNOR OF ONE-HALF TO HECTOR McNEILL, OF SAME PLACE.

LOCKING-UP DEVICE FOR TYPE-FORMS.

SPECIFICATION forming part of Letters Patent No. 259,251, dated June 6, 1882.

Application filed February 16, 1882. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL D. WEBB, of Washington, in the District of Columbia, have invented a new and useful Improvement in Locking-Up Devices for Type-Forms, of which the following is a full, clear, and exact description, reference being had to the annexed drawings, forming part of this specification.

My invention relates to devices for locking a type-form in a printer's chase; and it consists of a number of removable quoins having extensible and reversible parts, as hereinafter described.

In the accompanying drawings, Figure 1 is a plan view of a printer's chase, showing the application of my improved quoins. Fig. 2 is a perspective view of one of the quoins; and Fig. 3 is a section of one of the quoins, showing one of the blocks reversed.

The quoin A is formed of two blocks, *a a'*, of suitable material, which are provided with screw-threaded perforations and screwed on the ends of a screw, *b*, having a tap, *c*, at the center. By applying a wrench or other suitable device to the tap, as shown in Fig. 1, the screw, which has a right and left hand thread, will be rotated, while the blocks will be moved to and from each other to lock or unlock the form B in the chase C.

As it is designed that four quoins shall be used to lock the form, the blocks *a a'* are each provided with bearing-surfaces of different lengths, and are adapted to be reversed on the screw, so that a longer or shorter bearing-surface shall be presented to the form, as the case may require. With this construction a very small form may be securely locked in the chase by turning the shortest bearing-surfaces of the blocks toward the center of the chase; and by using strips of metal to increase the bearing-surface as large a form as the chase will contain may be locked therein, while intermediate sizes can be accommodated by simply reversing the blocks.

I am aware that a quoin consisting of a single block and a screw having a head on one end thereof has been used; but a quoin of this construction is not adapted for locking forms of various sizes, because it has but one bearing-surface, and, besides, the rotation of the head against the chase in adjusting the length of the quoin is liable to cause the quoin to slip out of position.

I am also aware that locking devices consisting of two parallel bars connected by two or more screws have been patented; but, owing to the difficulty of adjusting the several screws with perfect evenness, the pressure exerted by one screw is liable to be greater than that exerted by another in the same bar, and consequently the parts, when pressure is applied, are liable to be jammed. In my invention, on the contrary, a single screw is used, which is placed at the centers of the two blocks, and consequently the blocks cannot but be evenly adjusted throughout their entire length when the screw is turned.

It is evident that my improved quoin may be constructed partly of wood and partly of metal to lessen the expense of construction, and the formation of the blocks may be variously modified to increase the number and variety of bearing-surfaces.

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

The combination, with the adjusting-screw in a quoin, of two blocks having two bearing-surfaces each, all of which bearing-surfaces are of different lengths, and made reversible to adapt the quoin to type-forms of different sizes, as shown and described.

SAMUEL D. WEBB.

Witnesses:
A. G. LYNE,
SOLON C. KEMON.