

(No Model.)

R. BOWDEN.
DINKING BLOCK SUPPORT.

No. 461,165.

Patented Oct. 13, 1891.

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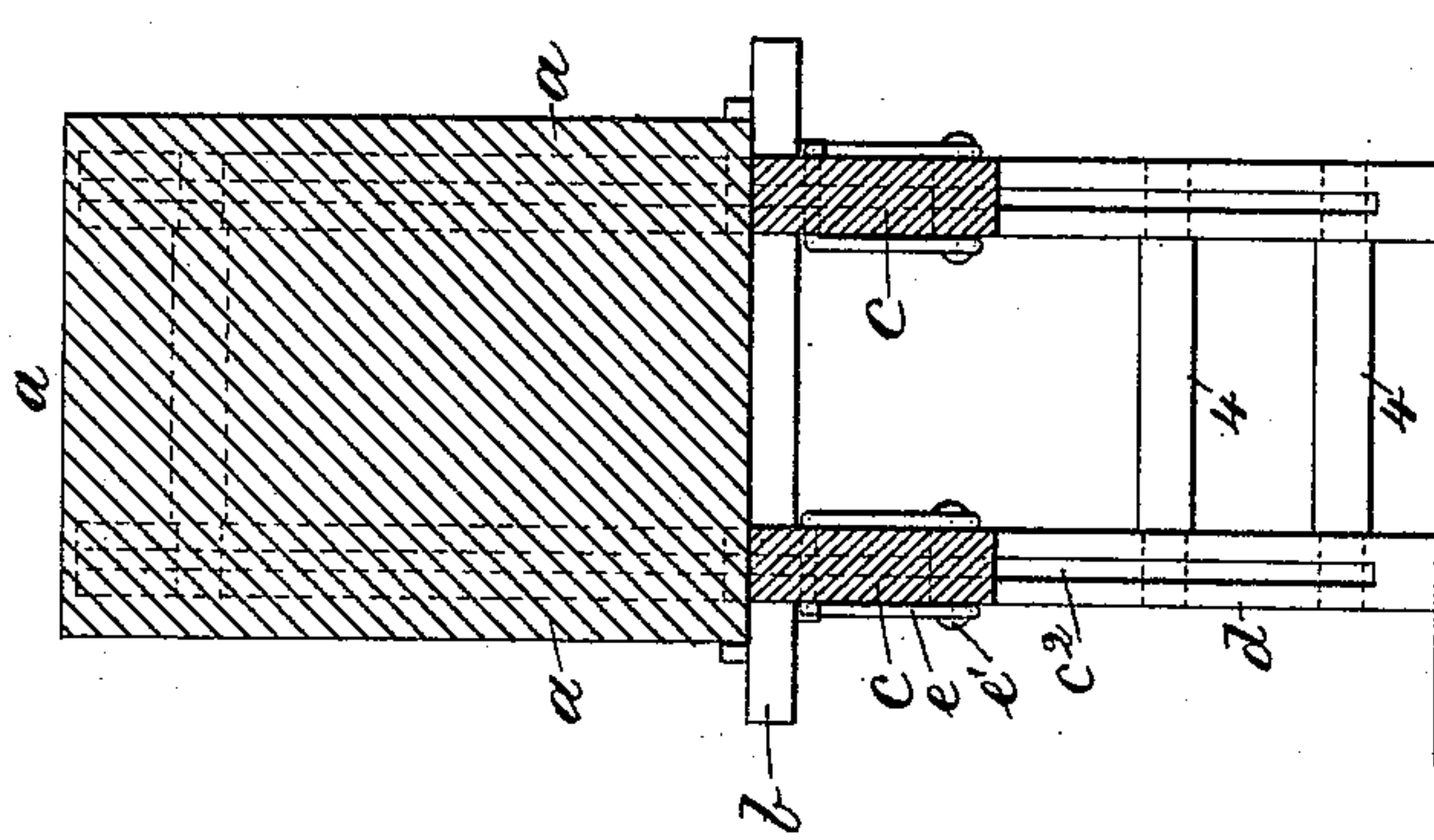
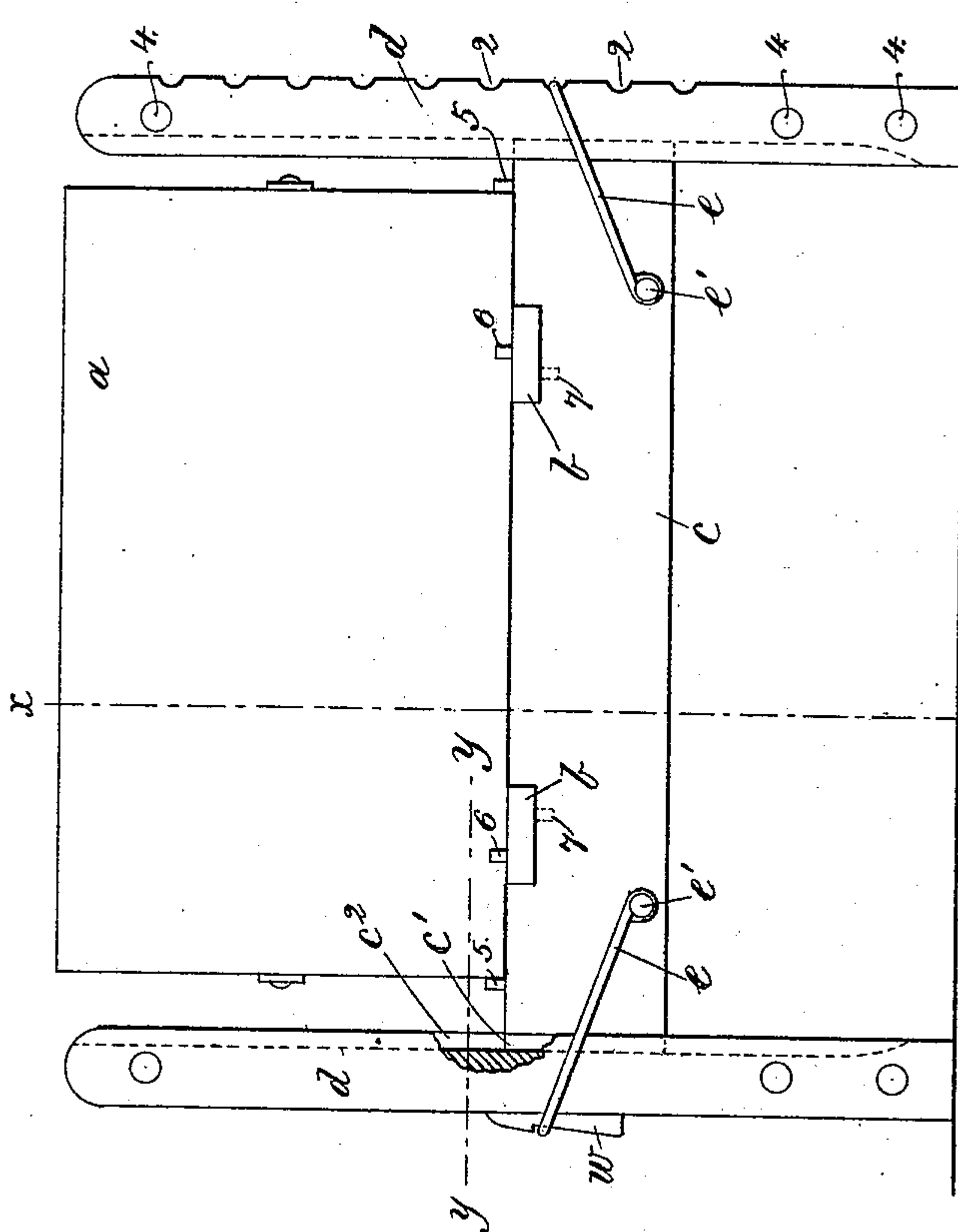
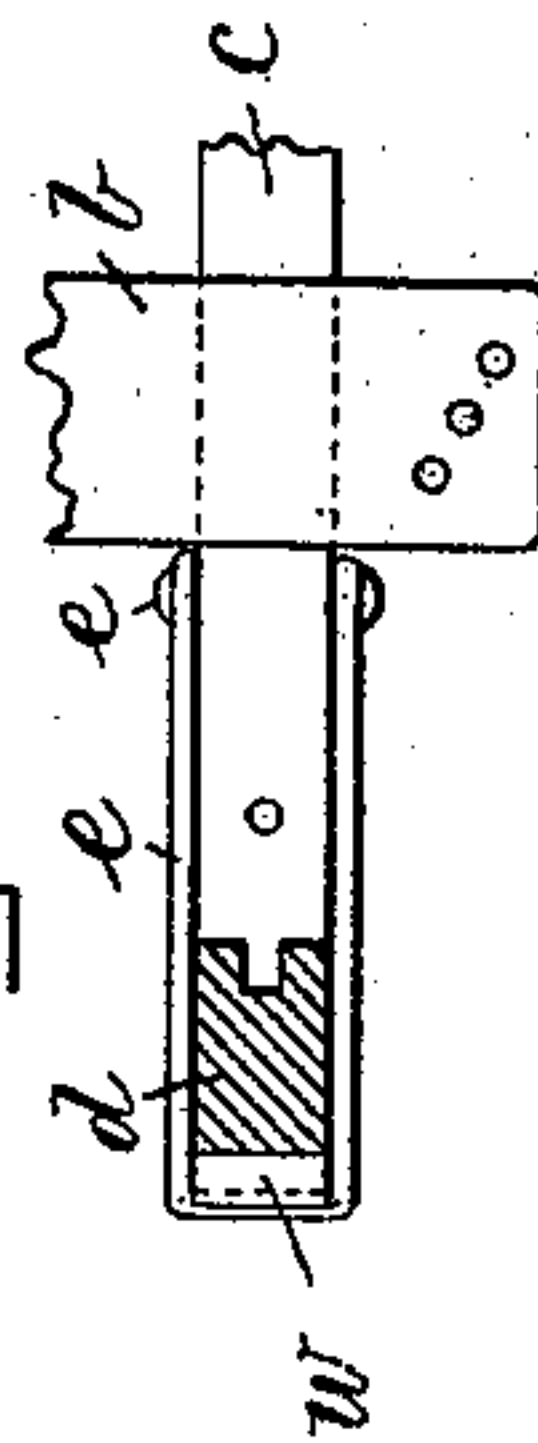


Fig. 1.



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Witnesses.
Fred S. Greenleaf.
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UNITED STATES PATENT OFFICE.

RUSSELL BOWDEN, OF MARBLEHEAD, MASSACHUSETTS.

DINKING-BLOCK SUPPORT.

SPECIFICATION forming part of Letters Patent No. 461,165, dated October 13, 1891.

Application filed February 13, 1891. Serial No. 381,299. (No model.)

To all whom it may concern:

Be it known that I, RUSSELL BOWDEN, of Marblehead, county of Essex, State of Massachusetts, have invented an Improvement in Dinking-Block Supports, of which the following description, in connection with the accompanying drawings, is a specification, like letters and figures on the drawings representing like parts.

In boot and shoe factories sides or pieces of leather are laid upon "dinking-blocks," with the end of the grain of the wood uppermost, and the leather is cut to shape by dies, which are struck by mallets, the cutting-edges of the dies entering or cutting into the grain of the wood. As the blocks become worn by the action of the dies the upper surface is sawed or planed off, and at each time that the upper surface is so sawed or planed off the height of the block is reduced, and hence suitable means must be provided for supporting the block so that its upper surface will always remain at substantially the same height. In practice this has been done by blocks or pieces of board and the like placed beneath the dinking-block, and such support is very unstable and cumbersome.

This invention has for its object to construct a suitable support for the dinking-block, which is made adjustable to support the block at any height desired.

My invention consists in the combination of suitable side rails and uprights or posts at each end thereof, to which the said side rails are adjustably connected.

Figure 1 shows in side elevation a dinking-block and its support embodying this invention; Fig. 2, a section of the parts shown in Fig. 1, taken on the dotted line *x x*; and Fig. 3, a sectional detail of a portion of the uprights shown in Fig. 1, taken on the dotted line *y y*.

The wooden dinking-block *a*, with the end of the grain uppermost, rests on cross-bars *b b*, mounted on parallel side rails *c c*, having tongues or tenons *c'* at the ends, which enter grooves *c''*, formed in vertical uprights or posts *d*, there being four such uprights or posts, two at each end of the side rails, and connected together by dowels 4. The uprights or posts *d* are embraced by suitable clamps *e*, shown as of metal and of loop form, (see Fig. 1,) each clamp being pivotally connected to the ends

of the side rails *c c*, there being four such clamps, one embracing each upright or post, and loosely connected to one end of a side rail. As represented at the right, Fig. 1, the uprights or posts *d* have notches 2 at regular intervals apart, and the loop-like clamp *e*, embracing the said uprights or posts, enters one or another notch. The loop-like clamp *e* is of suitable length to allow the side rail to which it is connected to be moved vertically when the said clamp *e* is in a substantially horizontal position, and when the said clamp *e* engages one of the notches and the said rail is allowed to drop a short distance it will be held by the said clamp, as shown in Fig. 1.

The uprights or posts *d* on opposite sides of the apparatus may have notches, as 2, or, in lieu of said notches, a suitable notched wedged block *w* may be provided, as shown, which is engaged by a loop-like clamp *e*, and the weight of the side rails *c c* draws the loop-like clamp against the wedge-block *w* and holds it firmly against the uprights or posts, so that by this means the said side rails may be supported.

As the dinking-block *a* is sawed or planed off and it is desired to raise it the side rails *c c* are lifted and the loop-like clamps *e* thereby straightened or caused to assume substantially horizontal positions, and when in such position the side rails or one end thereof may be raised and the clamp *e* caused to engage a notch above it, or caused to engage the wedge-block *w* at a higher point on the uprights or posts. It will be seen that the ends of the side rails may be lifted independently, and thereby any corner of the block may be raised independently, if desired.

On the top side of the side rails *c c* a series of holes are formed, into which pins, as 5, may be placed to assist in holding the block *a* against lateral movement, and on the top side of the cross-bars *b b* holes are formed, into which pins 6 may be placed to assist in holding the block *a* against a movement forward or backward, and the cross-bars *b* have on their under sides pins 7, (see dotted lines,) which hold the said bars in place. The notches and the wedge constitute two forms of locking device for the clamps, and either may be used at will.

The supporting-frame constructed as de-

scribed is inexpensive and may be readily adjusted, not only to true level, but also to proper height to adapt the block to the convenience of the user, whereas when the block
5 rests on the usual bench this cannot be easily done.

I claim—

1. The herein-described dinking-block support, consisting of side rails, and grooved up-
10 rights or posts to which they are adjustably connected at their ends, and means, substantially as described, to adjust each end independently, the ends of the side rails moving in said grooves, substantially as described.

15 2. The herein-described dinking-block support, consisting of side rails having loop-like clamps pivoted thereto, and uprights or supports embraced by said clamps, the uprights

being held between the clamps and the ends of the side rails, and a sliding locking-wedge 20 for one of said clamps, substantially as described.

3. The herein-described dinking-block support, consisting of side rails having pins, as described, and cross-bars placed on said side 25 rails and also having pins, as described, and uprights or posts to which said side rails are adjustably connected, substantially as described.

In testimony whereof I have signed my 30 name to this specification in the presence of two subscribing witnesses.

RUSSELL BOWDEN.

Witnesses:

GEO. W. GREGORY,
BERNICE J. NOYES.