

No. 811,354.

PATENTED JAN. 30, 1906.

A. S. ALLEN.
LEVELER FOR FORMS OF TYPE.
APPLICATION FILED MAR. 17, 1904.

Fig. 1.

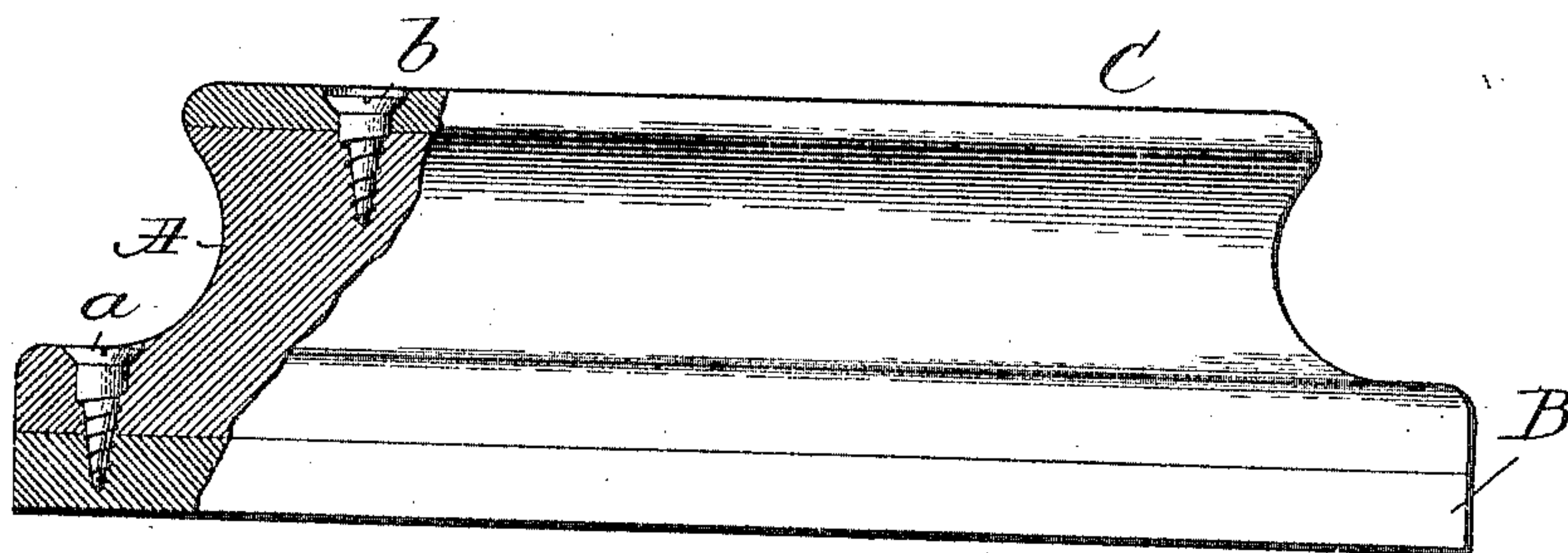
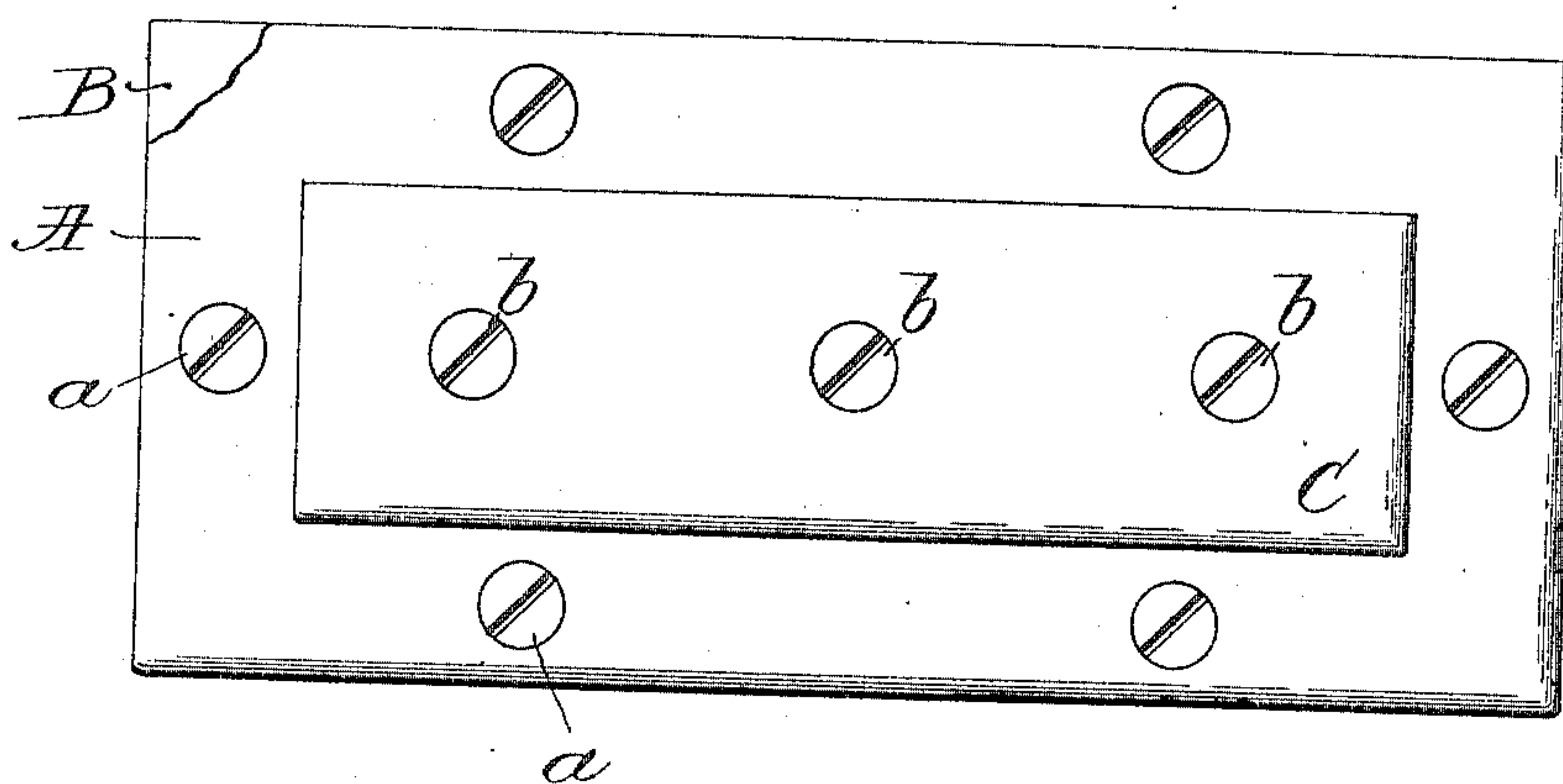


Fig. 2..



Witnesses:
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Atty.

UNITED STATES PATENT OFFICE.

ARTHUR SAMUEL ALLEN, OF BROOKLINE, MASSACHUSETTS, ASSIGNOR
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LEVELER FOR FORMS OF TYPE.

No. 811,354.

Specification of Letters Patent.

Patented Jan. 30, 1906.

Application filed March 17, 1904. Serial No. 198,539.

To all whom it may concern:

Be it known that I, ARTHUR SAMUEL ALLEN, a citizen of the United States, residing at Brookline, in the county of Norfolk and State of Massachusetts, have invented an Improvement in Levelers for Forms of Type, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

This invention has for its object the production of a leveler or device to be laid upon the face of type or plates keyed in a form and which may be struck by a mallet or other device to bring the type or plates to the same level preparatory to the production of stereotypes or printing. Heretofore this work has been done by laying a wooden block on the face of the type keyed in the form and striking the block with a mallet. These blocks, that they may be strong enough to stand up under the blows of a mallet and not break, are made of hard wood of considerable size and thickness, are consequently heavy to handle, and the face of the block brooms and becomes disintegrated, so that another block has to be called into play or the face of the block be planed off.

In my aim to produce a device for leveling type, of less weight, and consequently easier to handle, and possessing greater durability than the usual wooden block, I have provided the leveler or device to be herein described, it comprising a body having a face composed of a layer of tough non-metallic non-ligneous close-grained material—such, for instance as compact fiberoid or so-called “leather-board” or “vulcanite.” The top of the body referred to is also protected by a like substance that will not be disintegrated by the blows of a mallet or hammer.

Figure 1, in side elevation, partly broken out, shows a leveler or device embodying my invention; and Fig. 2 is a top or plan view thereof.

The device comprises a body A, having the form of a parallelogram; but this is immaterial. As is plainly illustrated in the drawings, there is a deep broad groove *a'* running

around the entire perimeter of the body A. Where the body is rectangular or has parallel sides, it is obvious that this groove may be made to extend throughout only two of its parallel sides, if so desired. So, also, where the body has a circular or elliptical top surface the groove may be made only at opposite sides thereof. This groove is used to supplement the top surface as a handle to insure a reliable grip on the block when it is being moved about. The body has secured to it by suitable devices *a*, which may be screws, a face B, composed of a compact layer of fiberoid or so-called “leather-board,” “vulcanite,” or other equivalent non-metallic non-ligneous material.

The material entering into the face will be hard enough to stand up under the blows transmitted through the leveler onto the type or plates keyed together in the form, but not hard enough to batter and injure the type or plates.

The top of the body is shown as provided with a top facing C, which may be of the same material as the bottom face B, said top face being held confined on the body by devices shown as screws *b*, the heads of which are represented as countersunk or standing in spaces at the upper side of said top face C.

I intend to include in my invention under the terms “detachable face” and “detachable top” any material such as named or their known substitutes other than metal or wood, and while I prefer that the leveler should be the shape of a parallelogram, as represented, yet the particular shape of the body and the face B are not essential so long as the acting part of the face represents a plane surface.

A leveler such as herein described and illustrated possesses greater durability, is lighter in weight, and smaller in area than usual devices used for this purpose and commonly designated in the trade as “type-planers.”

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

A type-leveling block comprising a body portion having a deep broad groove on its op-

posite edges or sides by which to hand-manipulate the block, and having parallel upper and lower surfaces, and a detachable facing for each of said surfaces disposed in parallel
5 planes, said facing being formed of non-metallic, non-ligneous material to receive the impact of a pounding-tool and transmit the same to the type without injury.

In testimony whereof I have signed my name to this specification in the presence of 10 two subscribing witnesses.

ARTHUR SAMUEL ALLEN.

Witnesses:

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