

No. 829,533.

PATENTED AUG. 28, 1906.

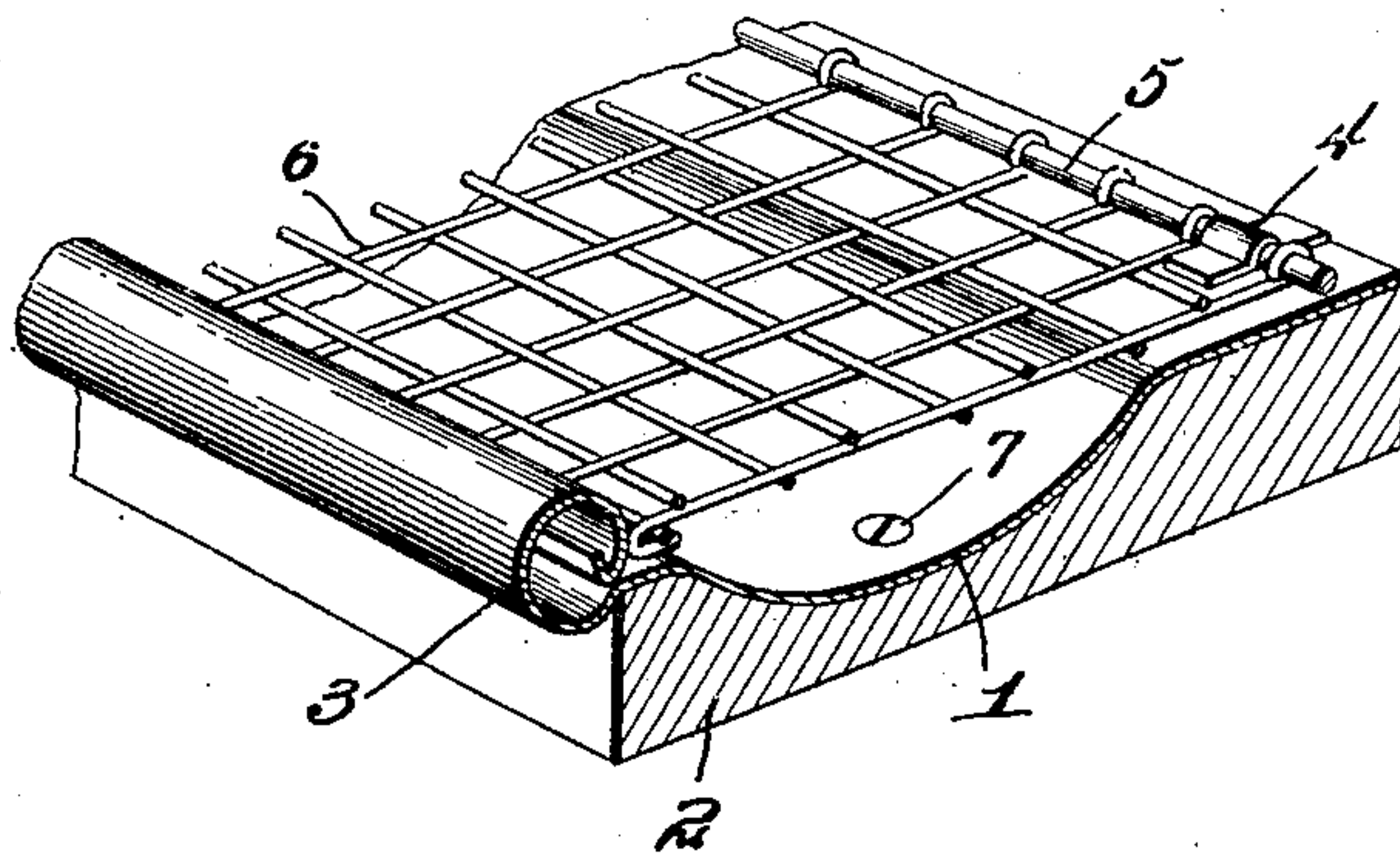
J. O. LESLIE & J. W. BALDWIN.

CHALK DUST COLLECTOR.

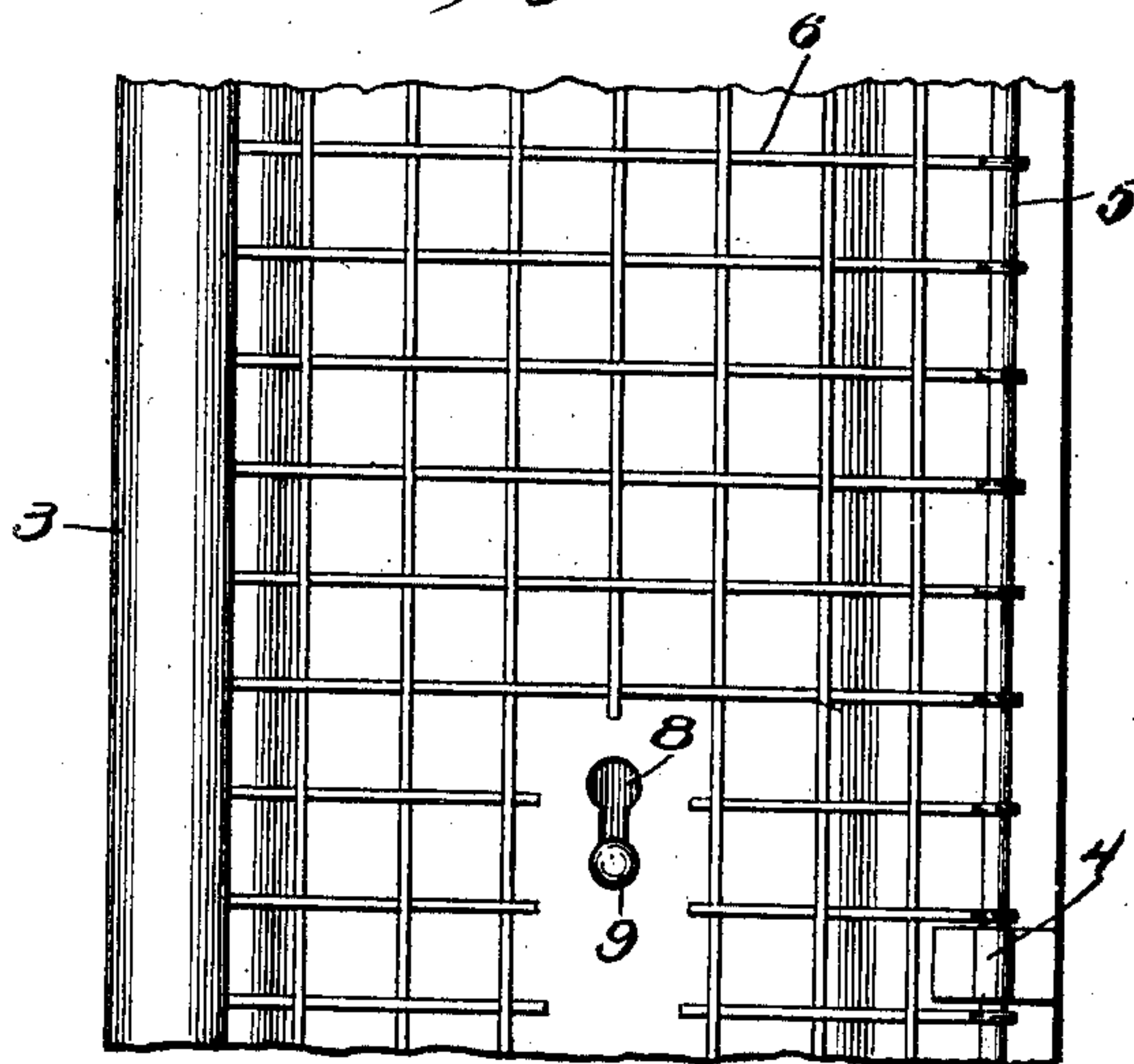
APPLICATION FILED OCT. 18, 1905.

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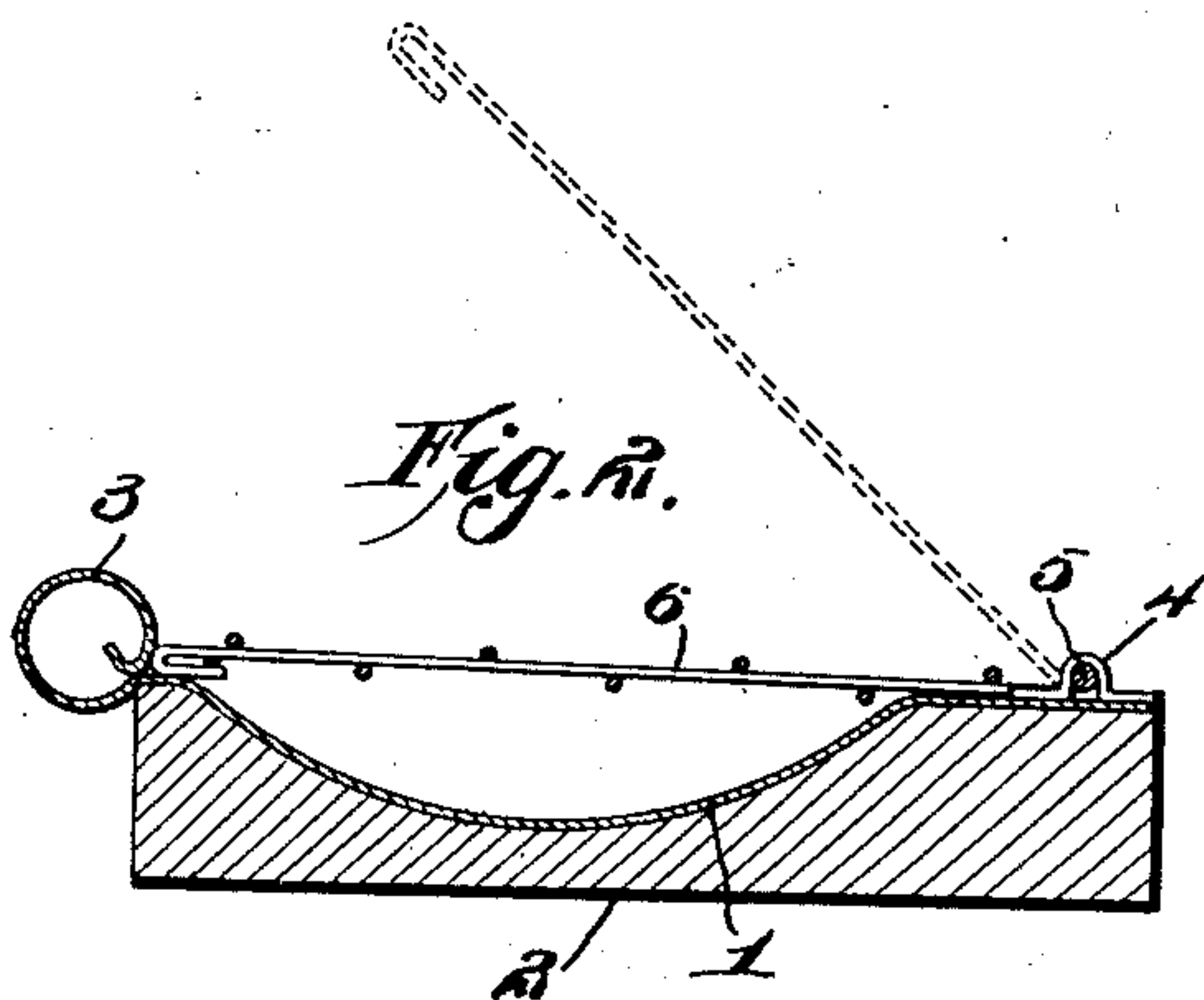
*Fig. 1.*



*Fig. 3.*



*Fig. 2.*



Witnesses

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2 SHEETS—SHEET 2.

Fig. 4.

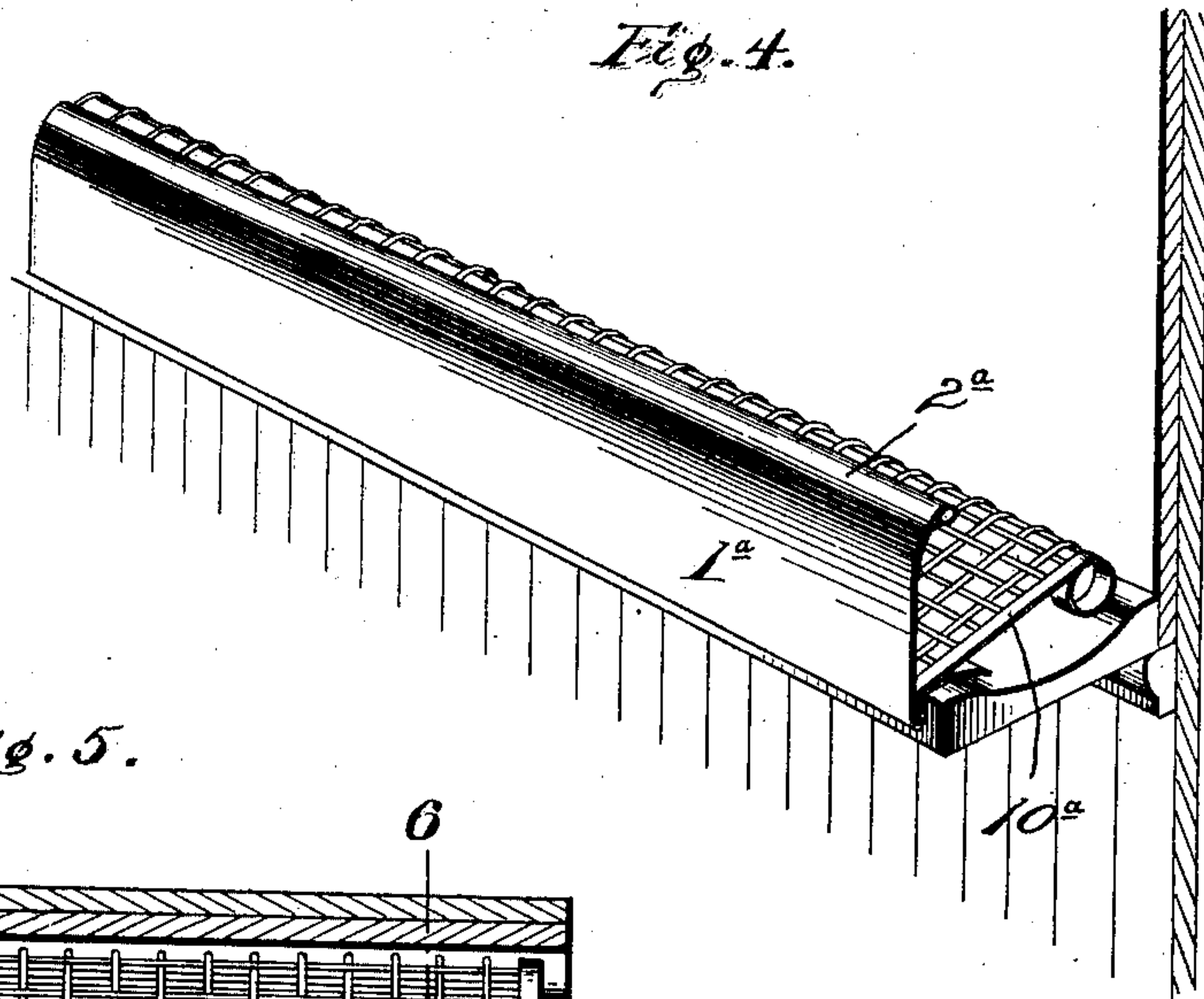


Fig. 5.

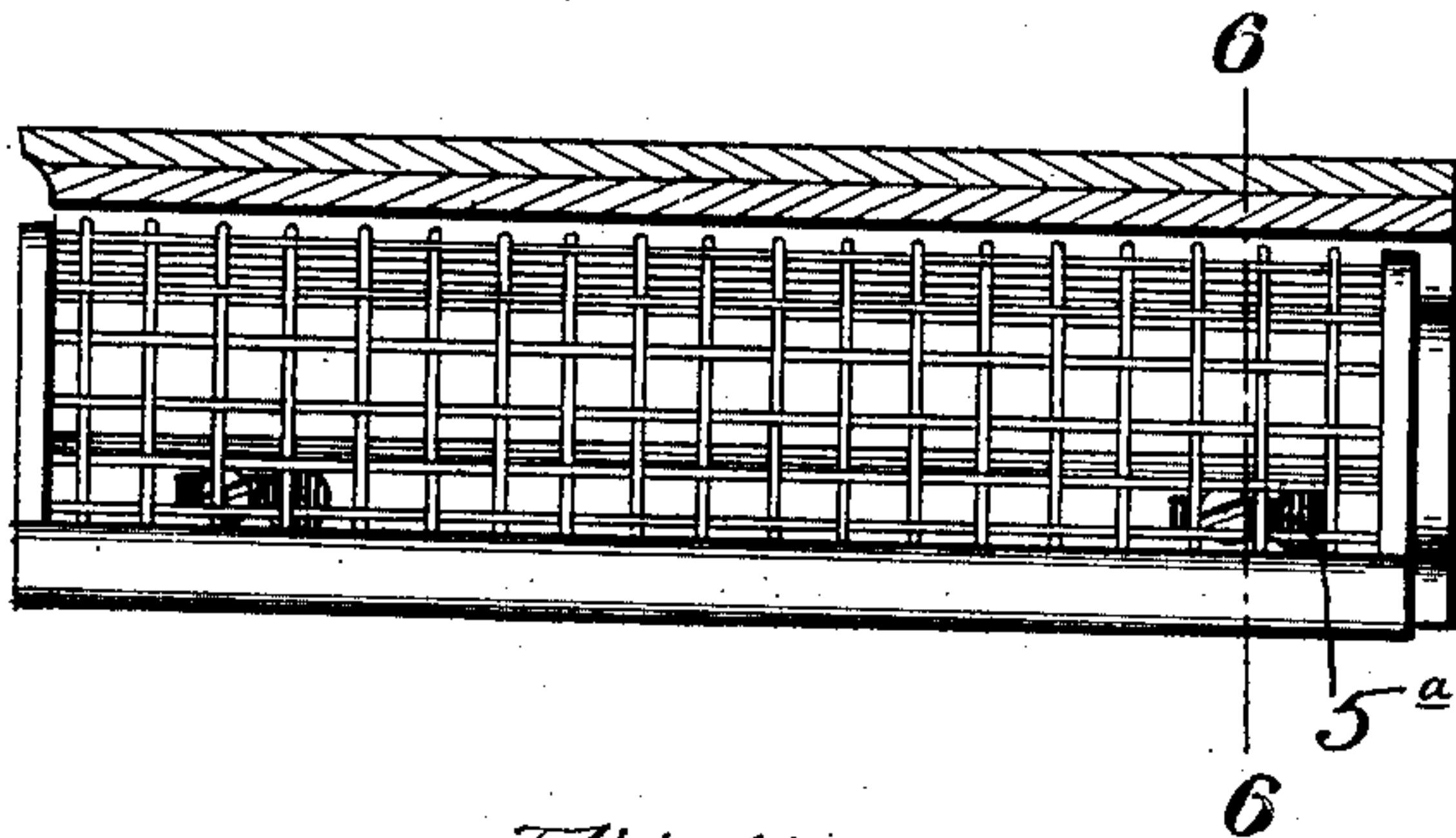


Fig. 7.

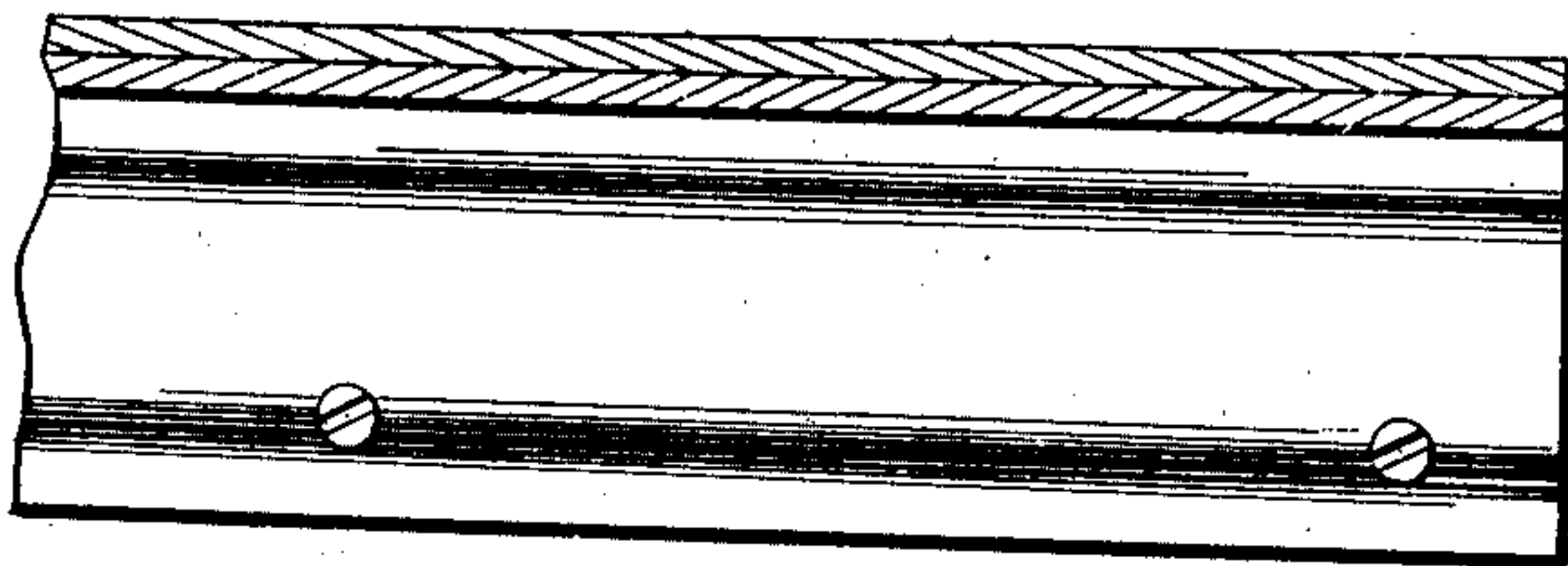


Fig. 8.

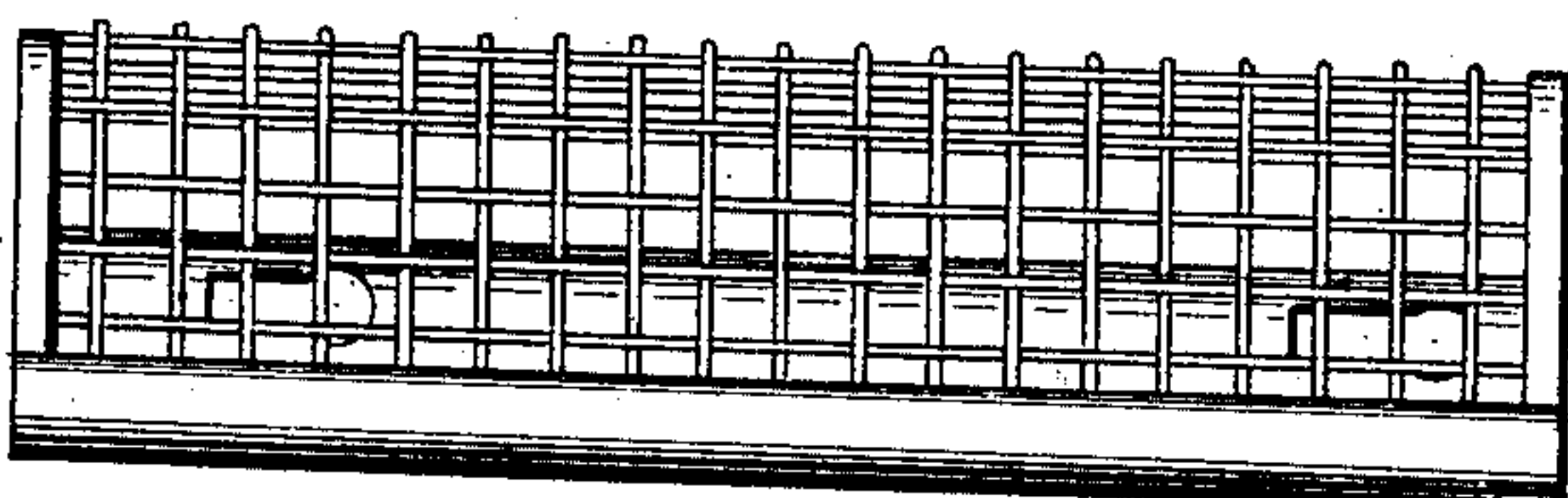
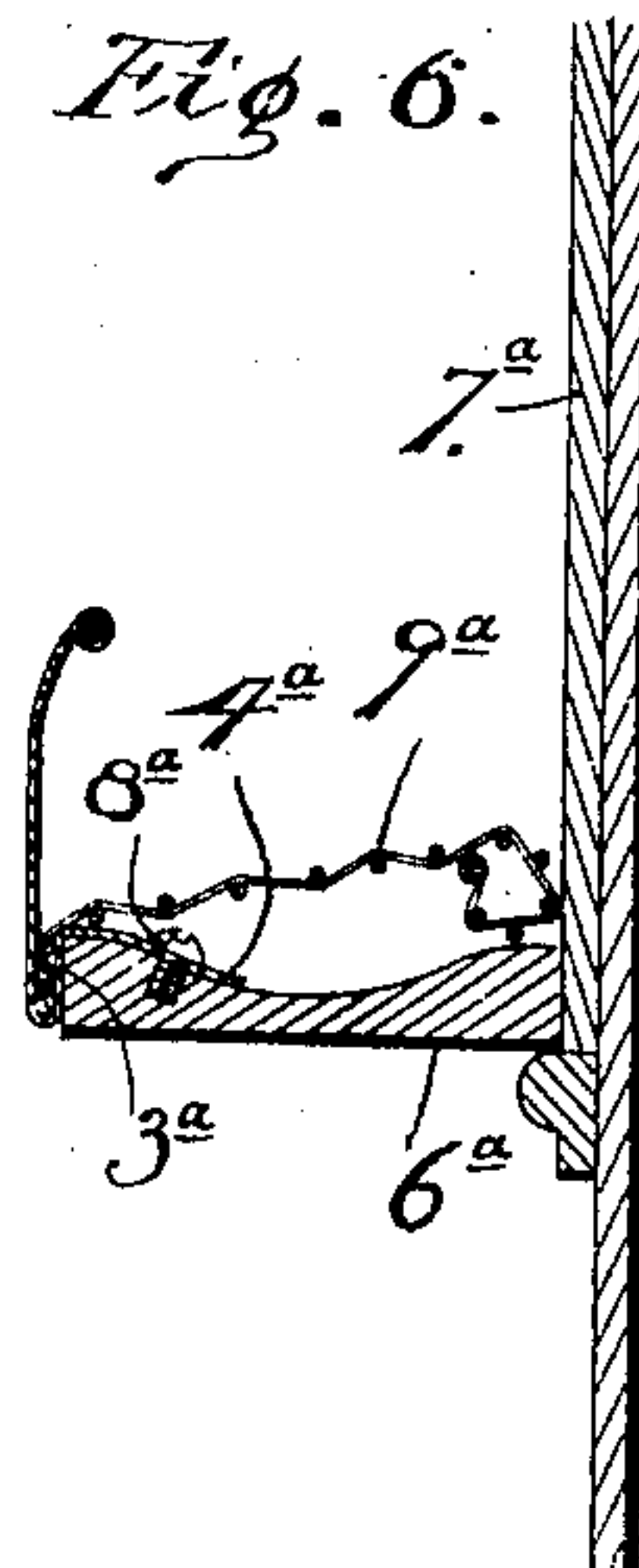


Fig. 6.



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# UNITED STATES PATENT OFFICE.

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## CHALK-DUST COLLECTOR.

No. 829,533.

Specification of Letters Patent.

Patented Aug. 28, 1906.

Application filed October 18, 1905. Serial No. 283,324.

*To all whom it may concern:*

Be it known that we, JUDSON O. LESLIE and JAMES W. BALDWIN, citizens of the United States, residing at Ottawa, in the county of LaSalle and State of Illinois, have invented certain new and useful Improvements in Chalk-Dust Collectors; and we do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

Our invention relates to attachments for blackboards, and it is more especially a combined eraser, holder, and cleaner adapted to be connected to the ledge of a blackboard.

The object of our invention is to provide an inexpensive and attractive device of this character which can be easily permanently or detachably secured to a blackboard-ledge and which is adjustable to ledges of different widths.

Another object is to provide means whereby dust which may have accumulated upon the eraser will be automatically separated from the eraser when the same is dropped upon the attachment.

With the above and other objects in view the invention consists of certain novel features of construction and combinations of parts, which will be hereinafter more fully described, and pointed out in the claims.

In the accompanying drawings we have shown the preferred forms of our invention.

In said drawings, Figure 1 is a perspective view showing our attachment connected to the ledge of a blackboard. Fig. 2 is a transverse section through the ledge and attachment and showing in dotted lines the metallic fabric raised. Fig. 3 is a plan view showing a modified means for detachably securing the attachment to a ledge. Fig. 4 is a perspective view showing a modified form of attachment connected to a blackboard-ledge. Fig. 5 is a top plan view of the modified form of attachment in position upon a ledge. Fig. 6 is a section on line 6-6, Fig. 5. Fig. 7 is a top plan view of a portion of a blackboard-ledge and showing the retaining means for holding the modified form of attachment in position, and Fig. 8 is a top plan view of said modified form detached.

Referring to the figures by numerals of reference, 1 is a plate meant to conform to the contour of the upper surface of a blackboard-

ledge 2, and this plate terminates in a bead 3, which extends beyond the front edge of the ledge 2 and constitutes a shield for preventing dust from falling from the plate or ledge and to a certain extent preventing the dust from floating out into the room after it has been separated from an eraser. Ears 4 are secured upon a plate adjacent its rear edge, and within them is mounted a rod 5, which extends longitudinally of the plate and has a sheet of metal fabric 6 fastened to it, the forward or free edge of said fabric being adapted to contact with the bead when said fabric is swung into a horizontal position and to extend entirely over the central or trough-like portion of the plate.

If desired, as shown in the drawings, the bead 3 will partly overlap the fabric strip 6 when the same is in a horizontal position, so as to hold it down. A slight pressure exerted upon the fabric strip, however, will be sufficient to compress the bead 3 so as to allow said fabric strip to swing upward into position shown by dotted lines.

The plate 1 may be fastened to the ledge in any desired manner, as by means of screws 7; but, if preferred, said plate may have key-hole-slots 8 therein for engaging the heads of projections 9, extending upward from the ledge. Where such an arrangement is employed, it is merely necessary to slip the plate 1 longitudinally, so that the heads of the projections 9 will assume positions within the enlarged portions of the slots 8, whereupon the plates can be raised.

While the plate herein described is preferably adapted to be used in connection with the ordinary blackboard-ledge, it can, if desired, be employed independently thereof and can be supported by brackets provided for that purpose.

It will be understood that whenever the eraser is dropped upon the wire fabric 6 the impact will cause any dust which may have accumulated upon the eraser to drop therefrom into the trough-shaped portion of the plate 1, and the separation of the dust can be accelerated by simply drawing the eraser over the fabric.

When it is desired to clean the accumulated chalk from the plate 1, it is merely necessary to swing the fabric strip 6 upward, after which the dust can be wiped from the plate by means of a cloth or sponge.

While we preferably hinge the wire fabric



in the manner described, we can, if desired, utilize a construction such as shown in Figs. 4 to 8, inclusive. By referring to said figures it will be noted that 1<sup>a</sup> is a strip of suitable material having one edge inwardly curved, as shown at 2<sup>a</sup>, said strip constituting a shield. The lower portion of the strip 1<sup>a</sup> is bent upon itself, as shown at 3<sup>a</sup>, to form a bead and then extends inwardly to form a plate 4<sup>a</sup>, said plate having a desired number of keyhole-slots 5<sup>a</sup> arranged longitudinally therein at any preferred intervals. The plate 4<sup>a</sup> is so shaped as to snugly fit upon the upper surface of the ledge 6<sup>a</sup> of a blackboard 7<sup>a</sup>, and extending upward from this ledge at distances apart equal to the distances between the slots 5<sup>a</sup> are headed retaining devices 8<sup>a</sup> in the form of screws or like securing means. The heads of these securing devices are of such a size as to be readily inserted through the large portions of the slots 5<sup>a</sup>; but by moving the plate 4<sup>a</sup> longitudinally the heads will assume positions above and overlapping the edges of the reduced portions of the slots, thereby firmly holding the plate against displacement upon the ledge 6<sup>a</sup>.

That portion of the strip 1<sup>a</sup> which is bent upward upon itself, as shown at 3<sup>a</sup>, forms a clamp which grips upon one edge of a metallic fabric 9<sup>a</sup> in the form of a strip which extends longitudinally of the attachment. The ends of this fabric are preferably bound by metal strips 10<sup>a</sup>, and the rear edge of the strip is rolled or folded, as shown in Figs. 4 and 6. By shaping the fabric in this manner the same can be quickly increased or diminished in width, so as to adjust it to ledges 6<sup>a</sup> of different sizes.

When it is desired to attach a device such as herein described, the ends of the slots 5<sup>a</sup> are placed over the heads of the securing devices 8<sup>a</sup>, and plate 4<sup>a</sup> and strip 1<sup>a</sup> are then moved longitudinally, so as to bring the securing devices within the reduced portions of the slots. The plate 4<sup>a</sup> will thus be held securely fastened upon the ledge, and the fabric strip 9<sup>a</sup> will assume a position above the ledge 6<sup>a</sup>. If this fabric is not of sufficient width to extend entirely across the ledge, it can be enlarged by unfolding or unrolling the inner portion thereof.

The strip 1<sup>a</sup> prevents dust from spreading to any considerable extent by reason of the

fact that it is curved inward at its upper edge and forms a shield or guard.

It will be seen that the attachment is extremely simple and inexpensive in construction and can be readily attached to the usual form of blackboard-ledges employed.

Having thus fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. An attachment for blackboard-ledges comprising a shield, a supporting-plate integral therewith and adapted to fit within and overlap a ledge, and a metallic fabric movably connected to the supporting-plate and extending entirely thereover.

2. An attachment for blackboard-ledges comprising a metallic shield, a longitudinally-extending plate integral with and projecting laterally from the shield, said plate adapted to fit within and overlap a ledge, and a metallic fabric movably connected to the plate and adapted to extend entirely over said plate.

3. The combination with a blackboard-ledge; of a metallic shield projecting upward from one edge thereof, a supporting-plate integral with said shield and extending into and overlapping the ledge, and a metallic fabric movably connected to the plate and extending across said plate and the ledge.

4. An attachment for blackboard-ledges comprising a metallic shield, a longitudinally-extending supporting-plate integral therewith and adapted to project into and to be secured to the ledge, and a metallic fabric secured to the plate and extending thereover, said fabric being rolled along one edge.

5. The combination with a blackboard-ledge; of an attachment comprising a shield, a plate integral therewith and extending into and secured to the ledge, a metallic fabric permanently connected to the plate and extending thereover and over the ledge, said fabric having a roll at one edge bearing upon the ledge and adapted to be unwound.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

JUDSON O. LESLIE.  
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