

I. A. VIERSEN.
 AUTOMATIC FEED MATCH BOX AND SAFE.
 APPLICATION FILED MAY 9, 1907.

916,230.

Patented Mar. 23, 1909.

4 SHEETS—SHEET 1.

Fig.1.

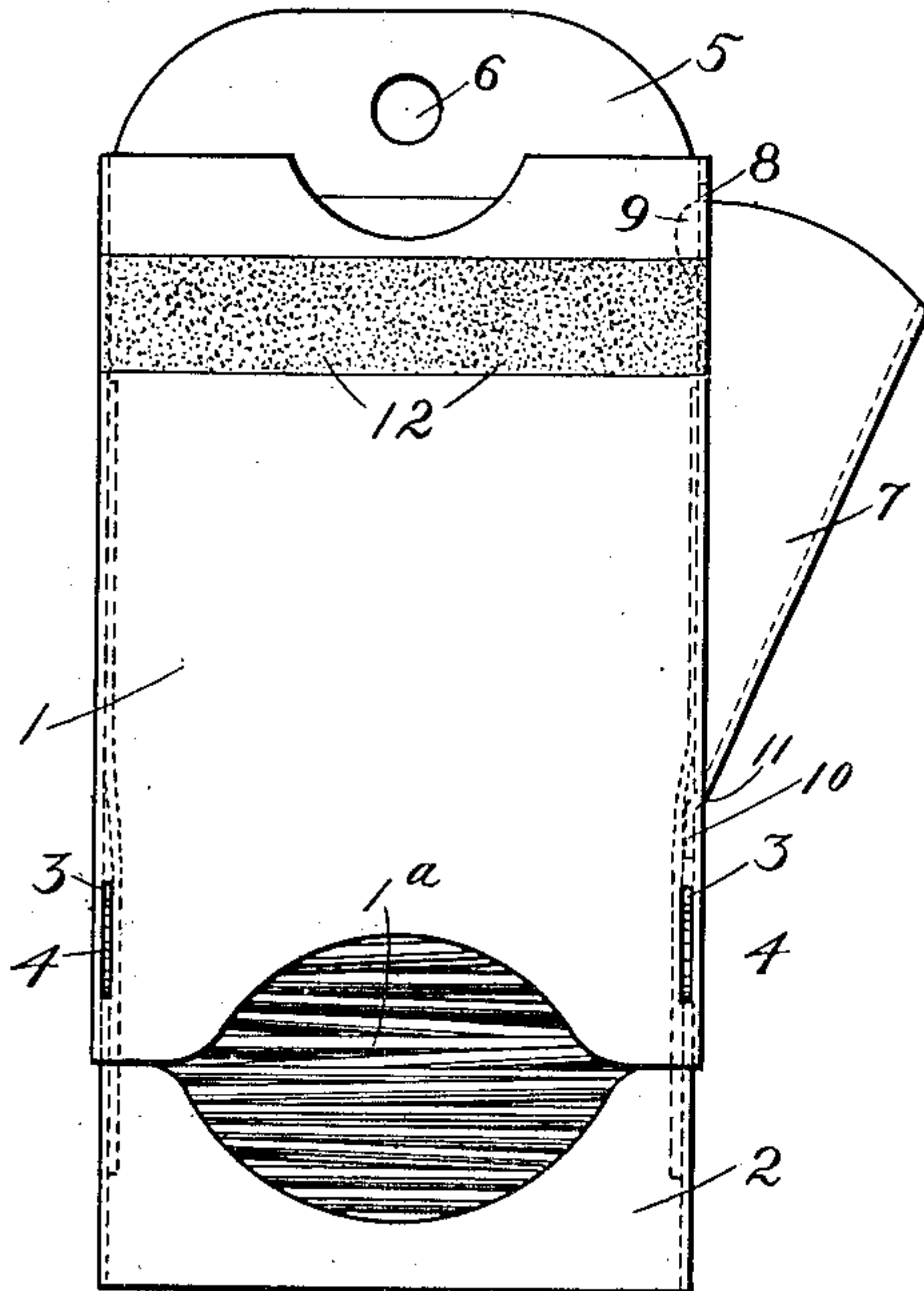


Fig.2.

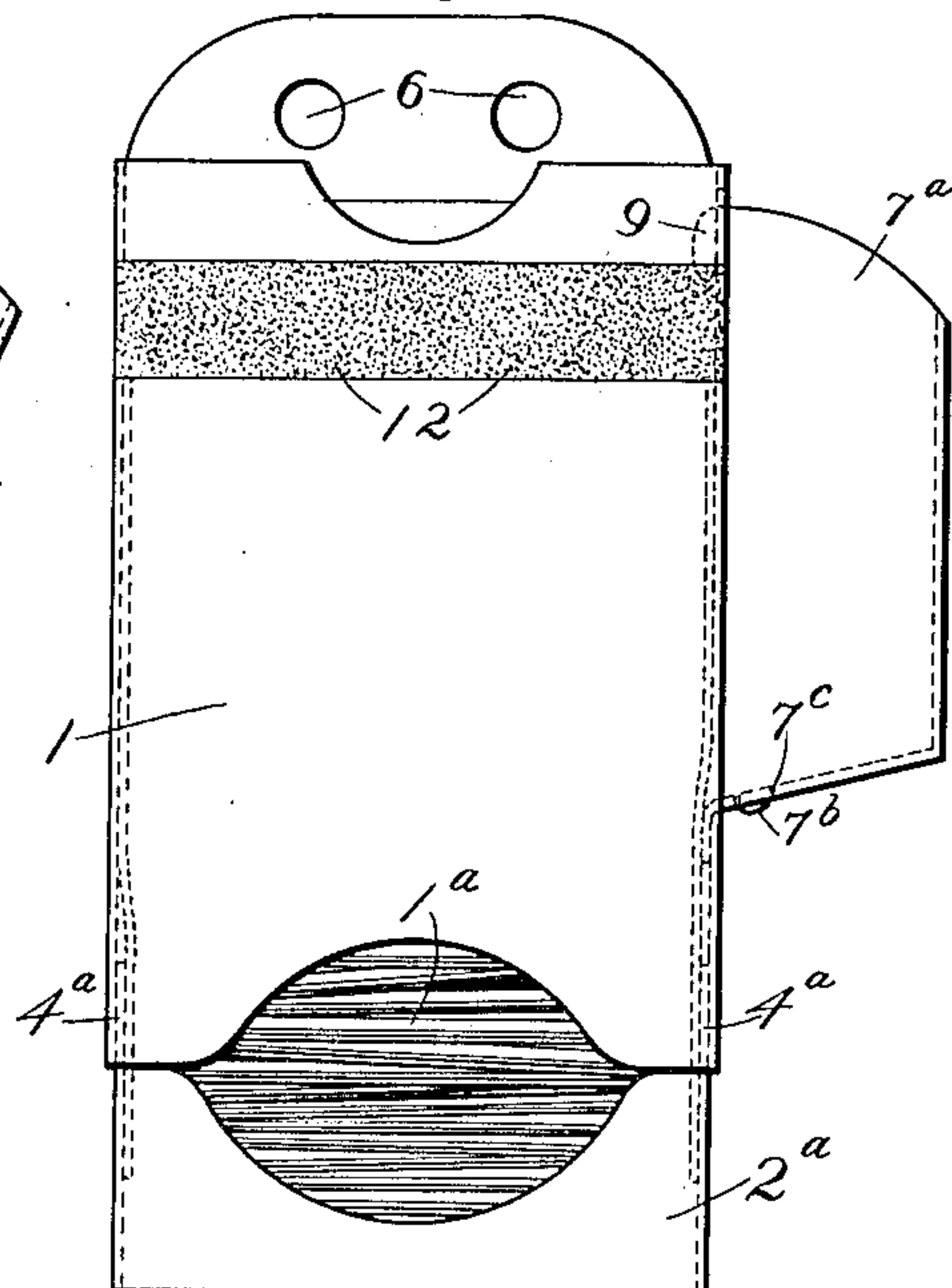


Fig.3.

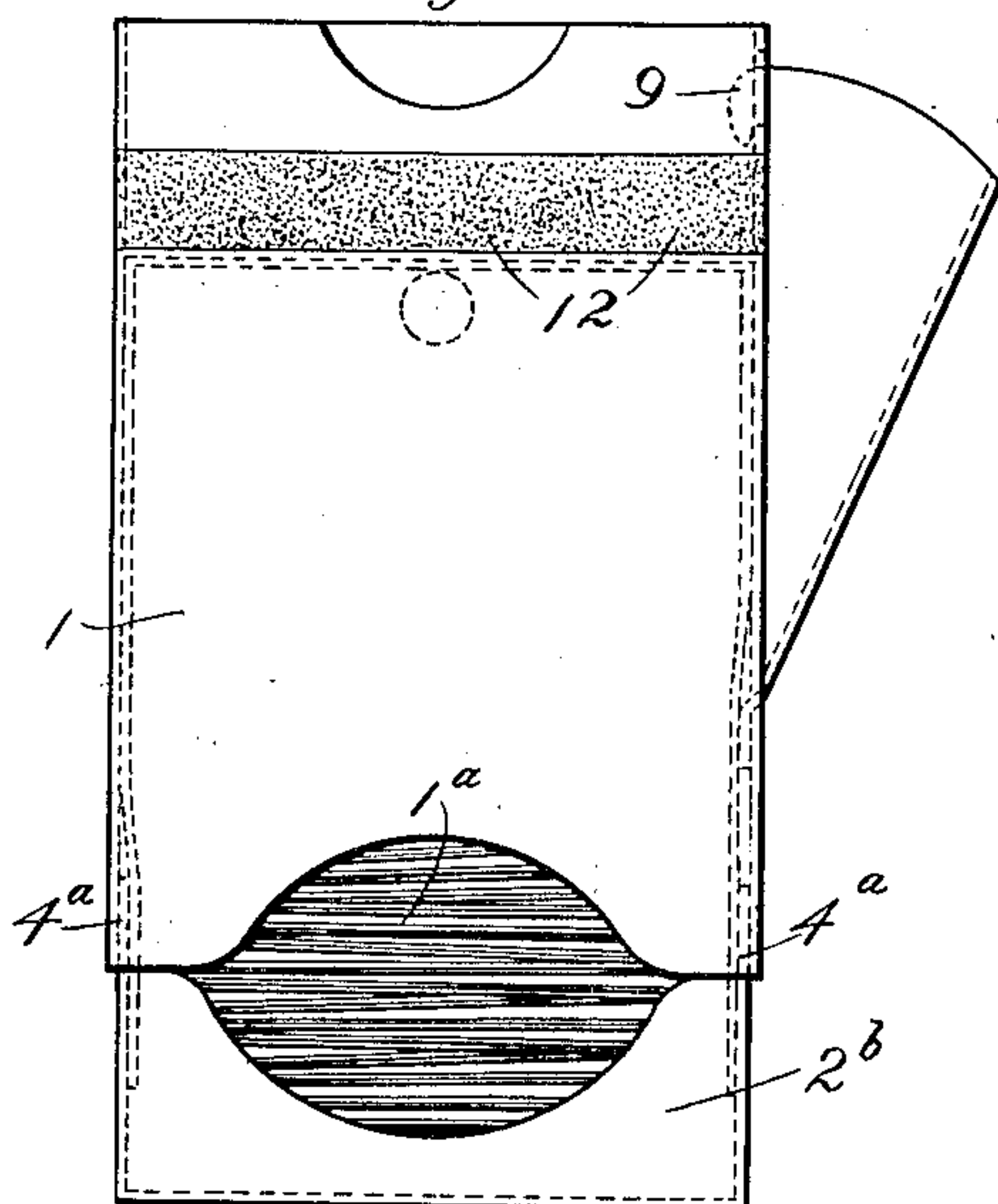
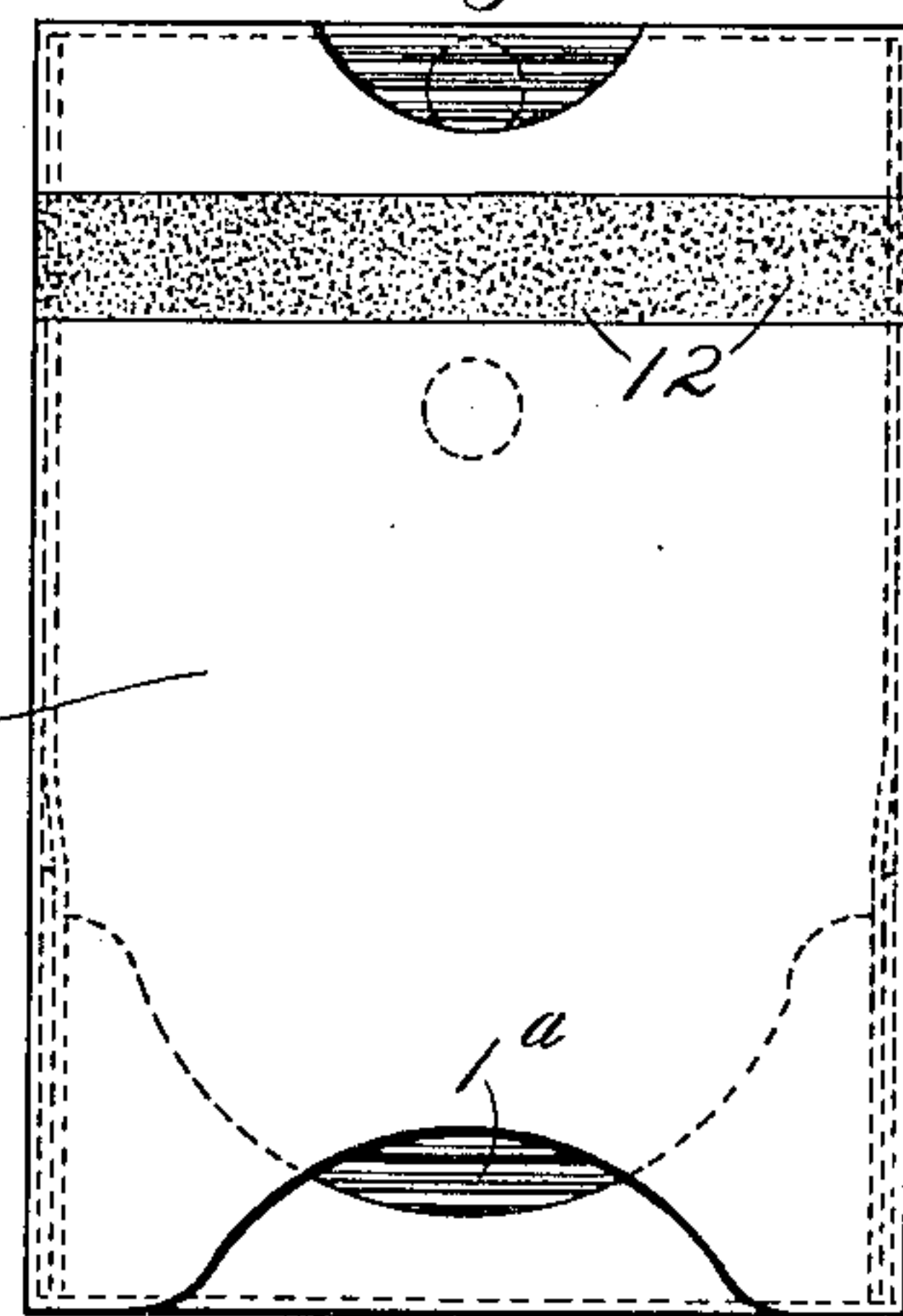


Fig.4.



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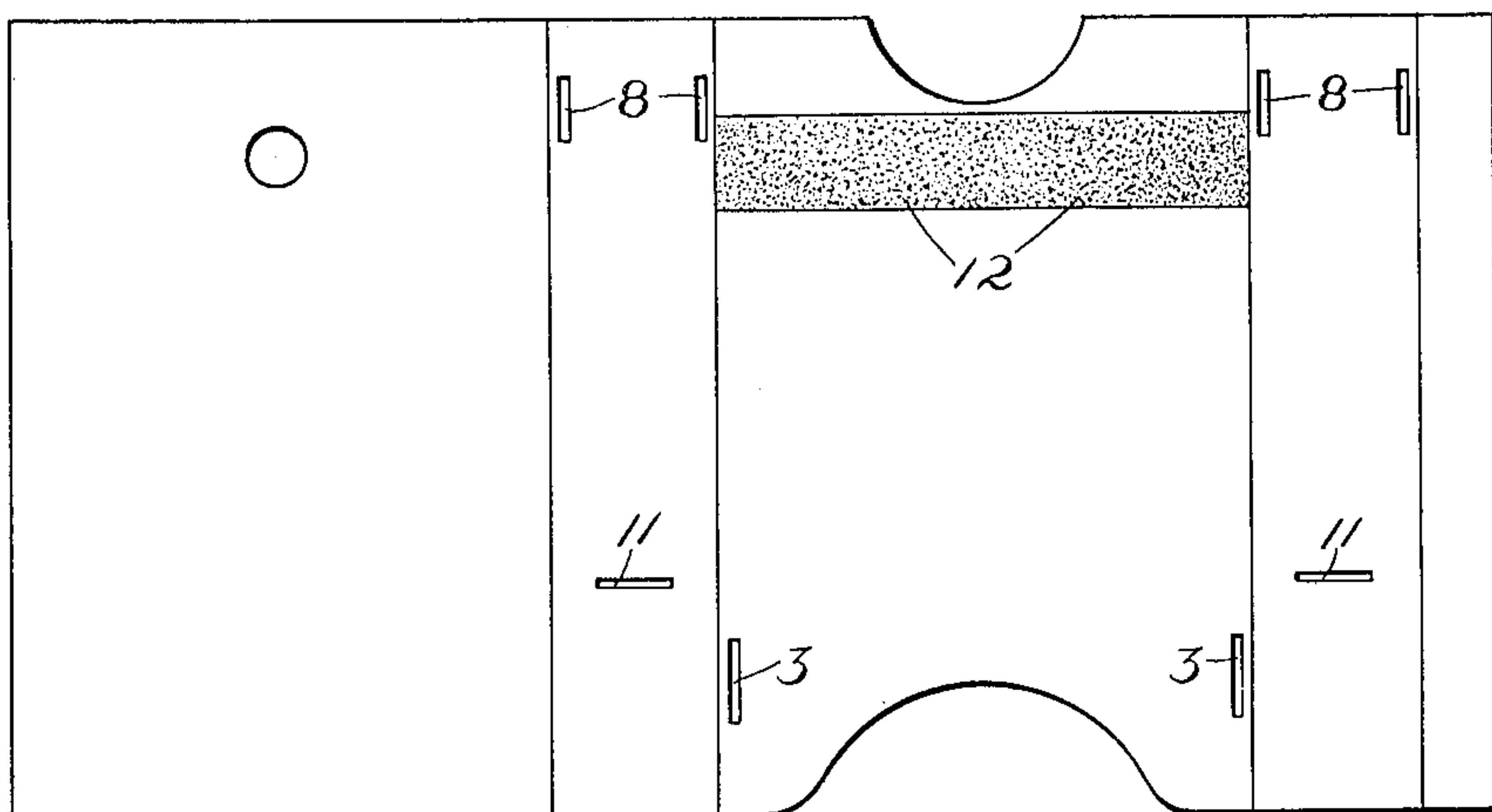
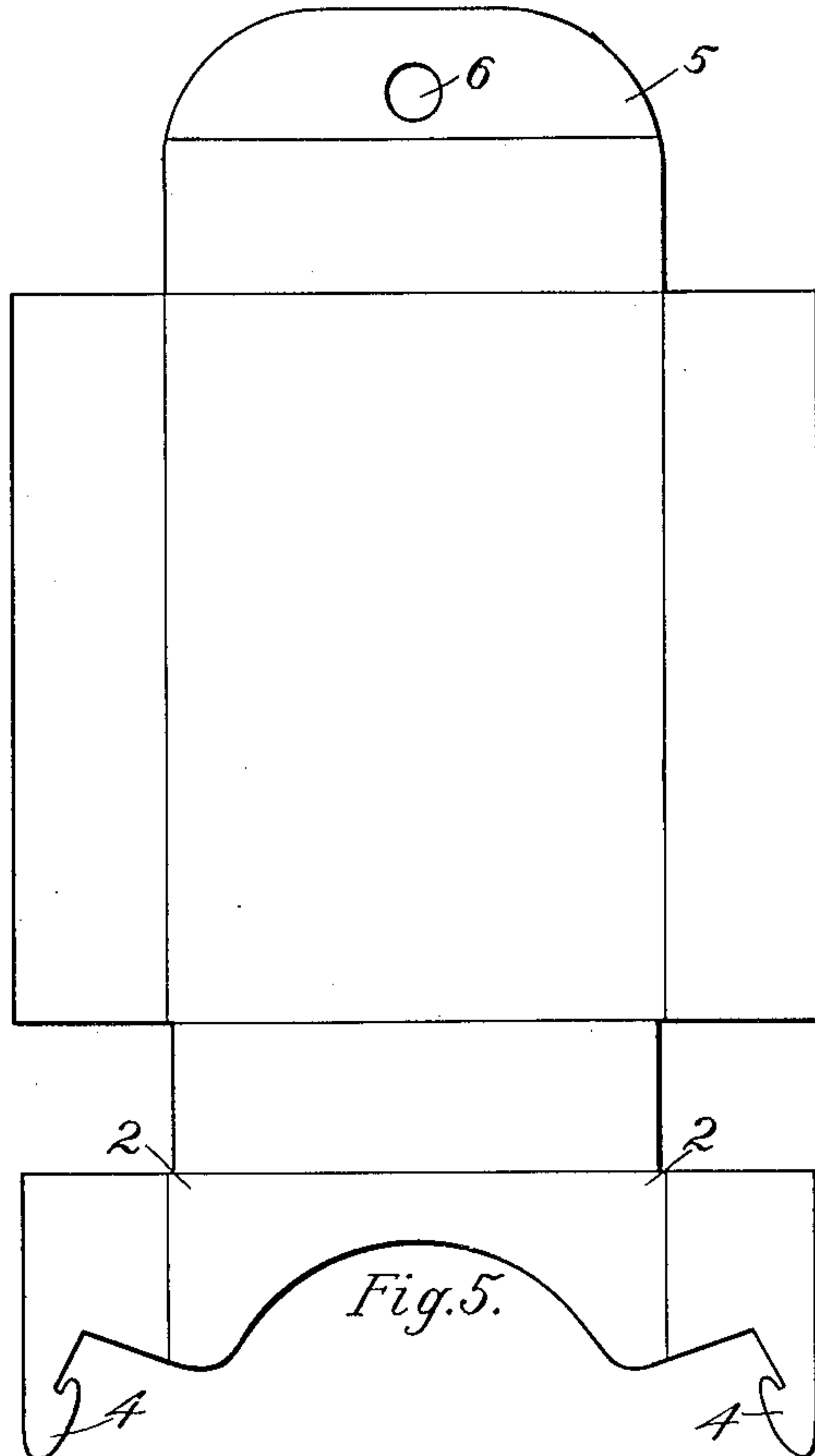
ATTORNEY

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4 SHEETS—SHEET 2.



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Fig. 6.

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4 SHEETS—SHEET 3.

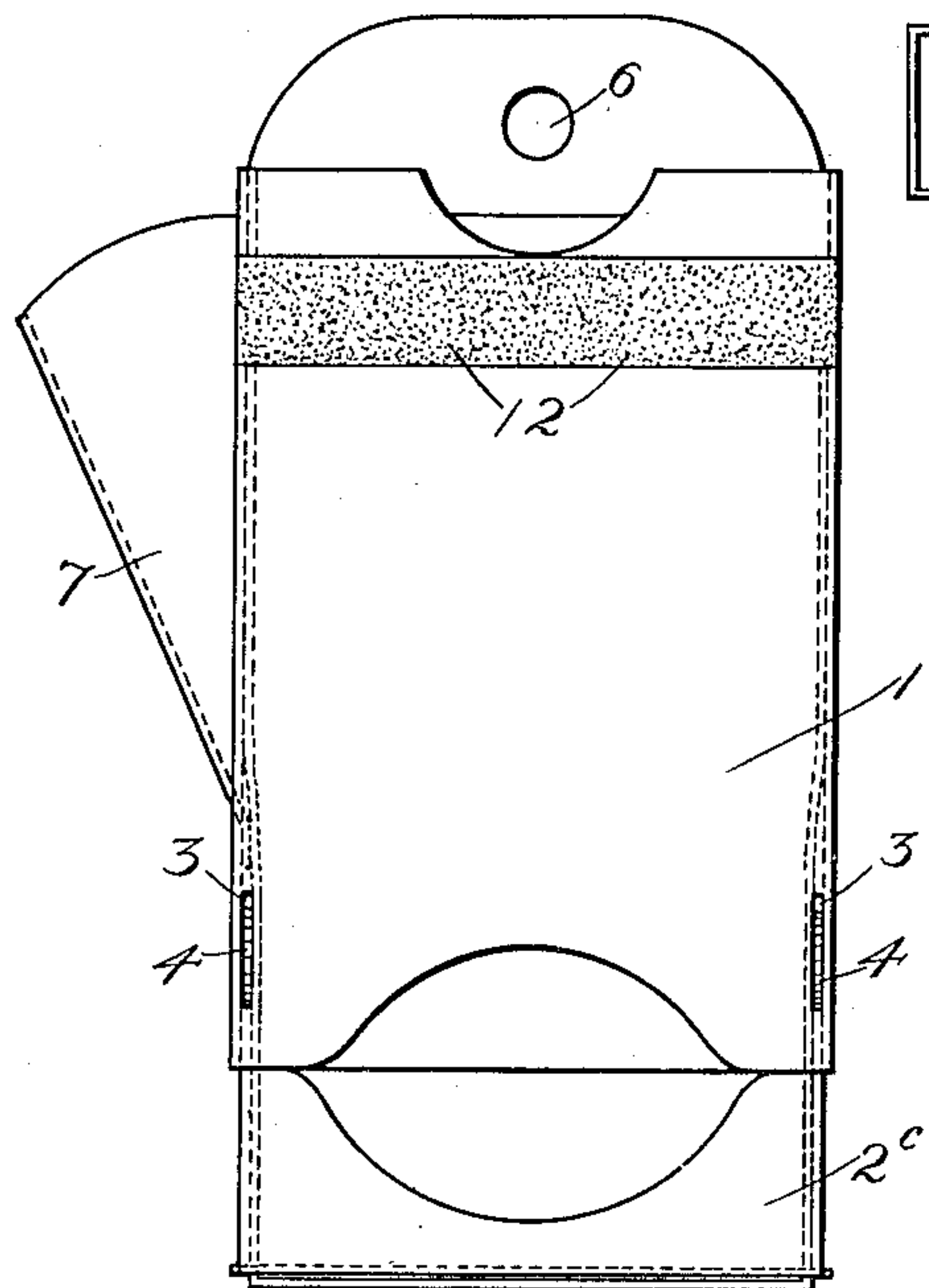


Fig. 7.



Fig. 8.

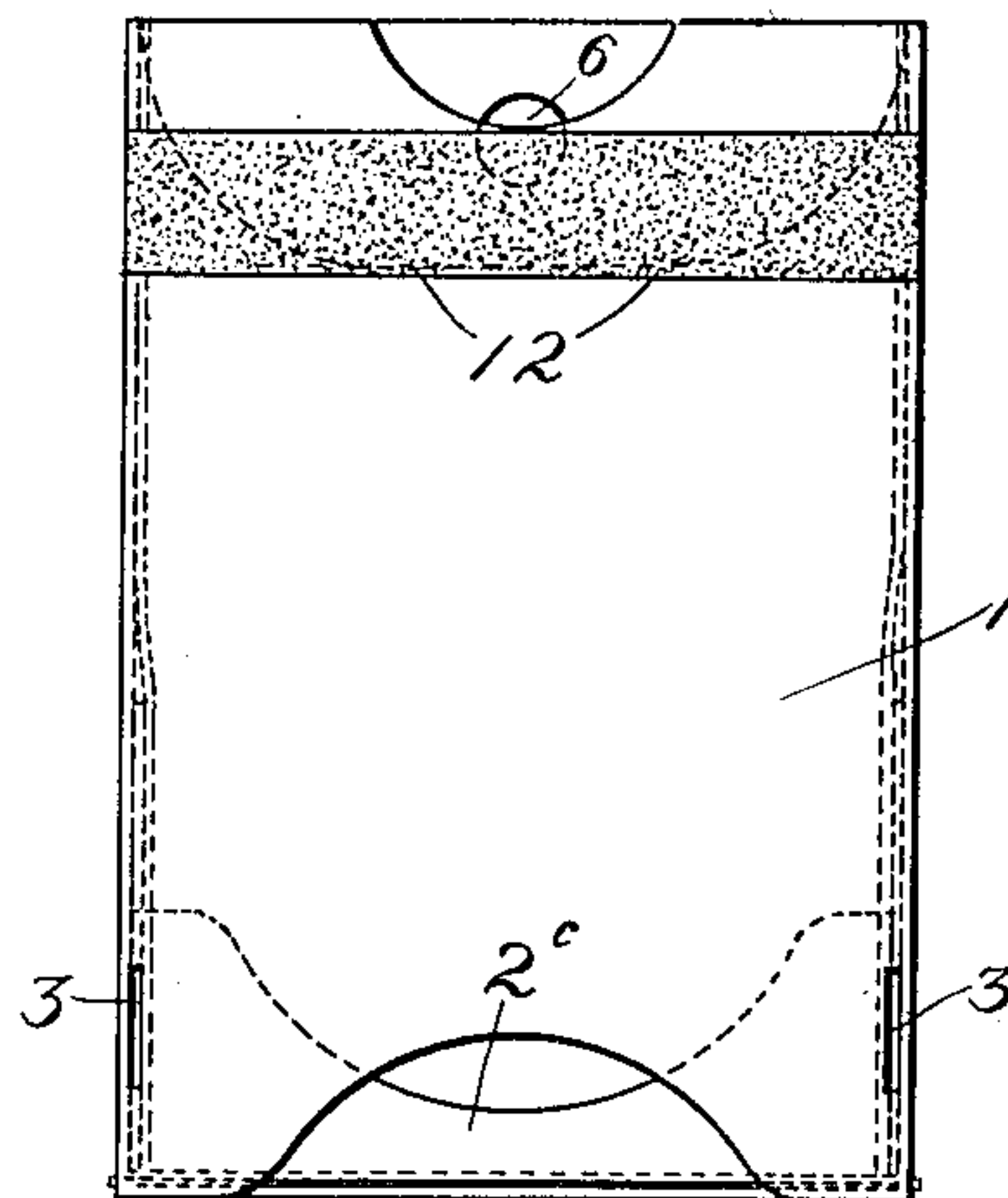


Fig. 9.

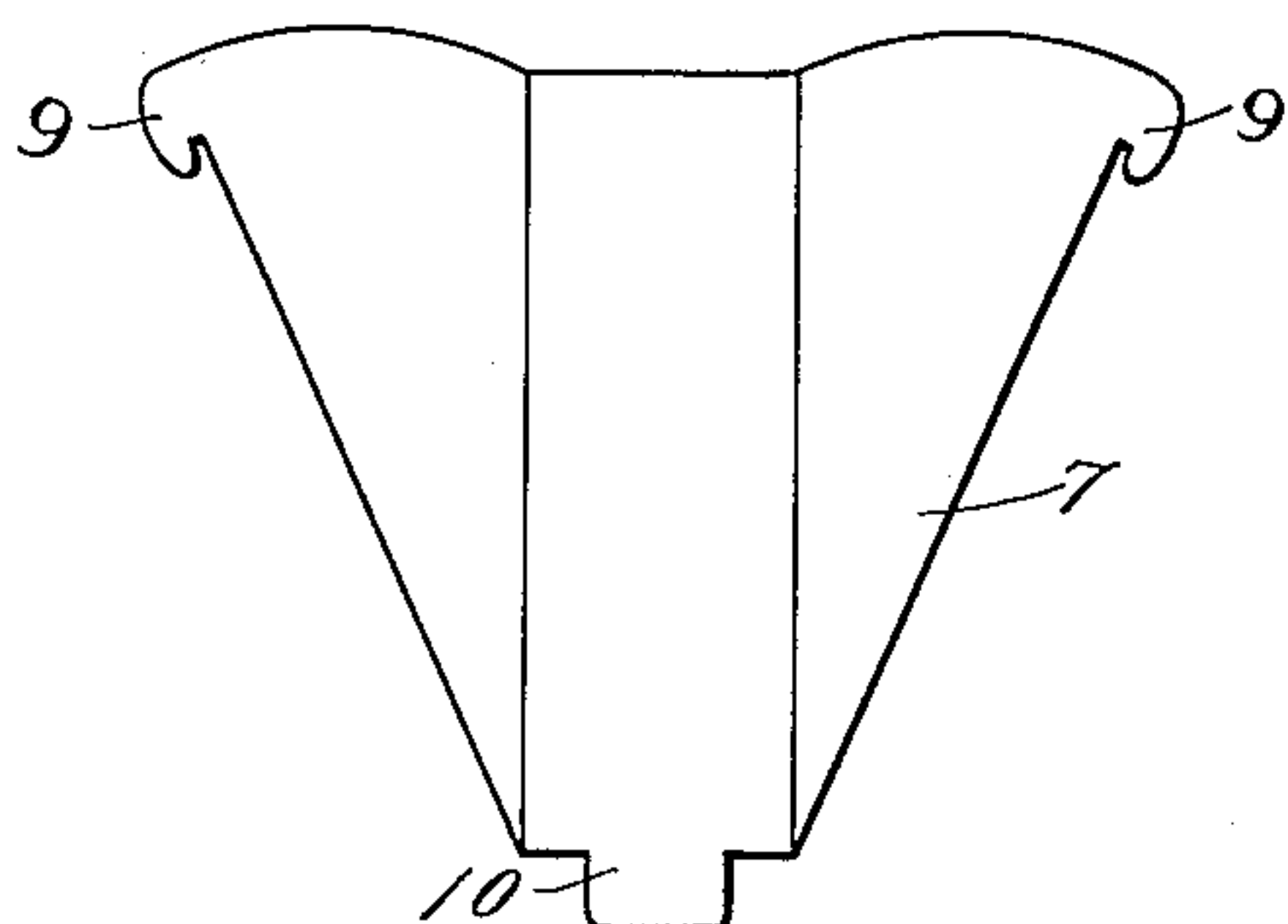


Fig. 10.

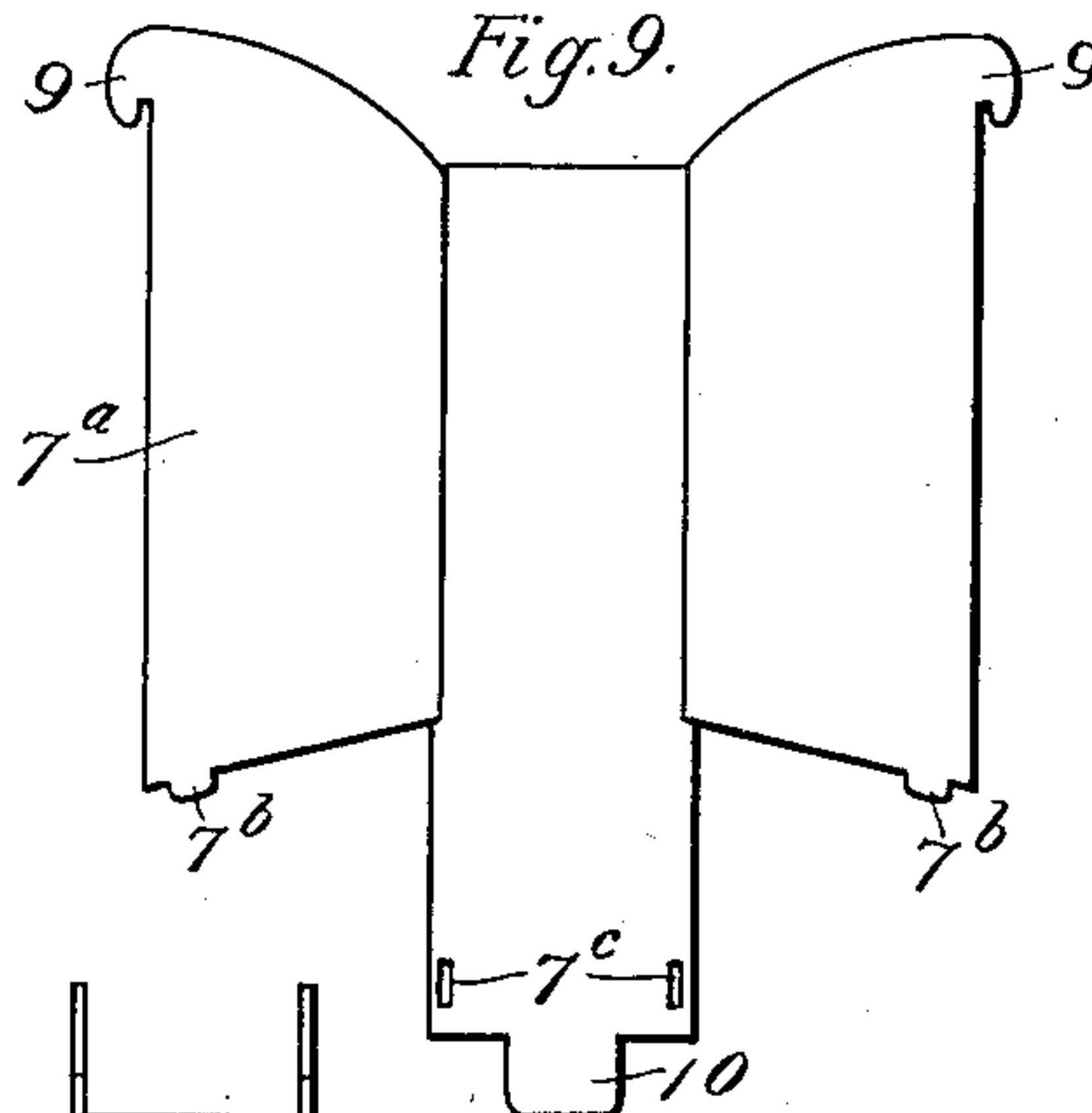


Fig. 11.

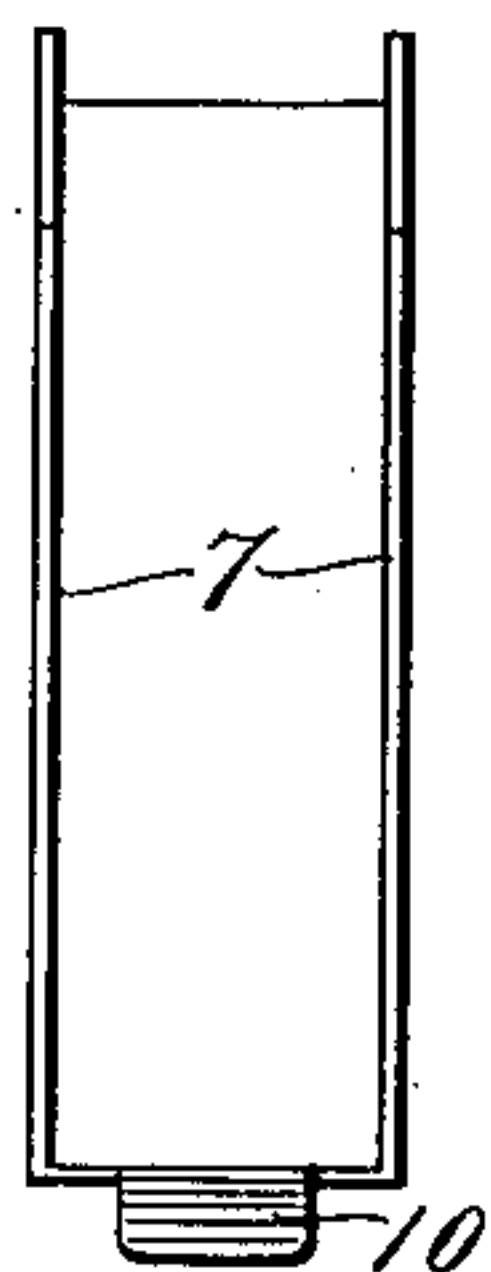


Fig. 12.

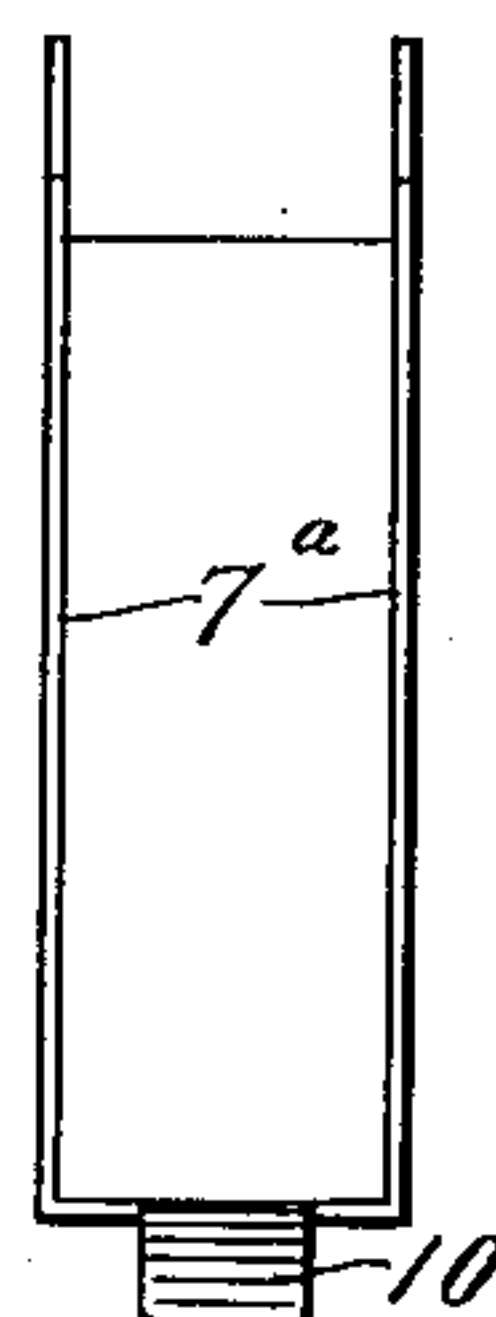


Fig. 13.

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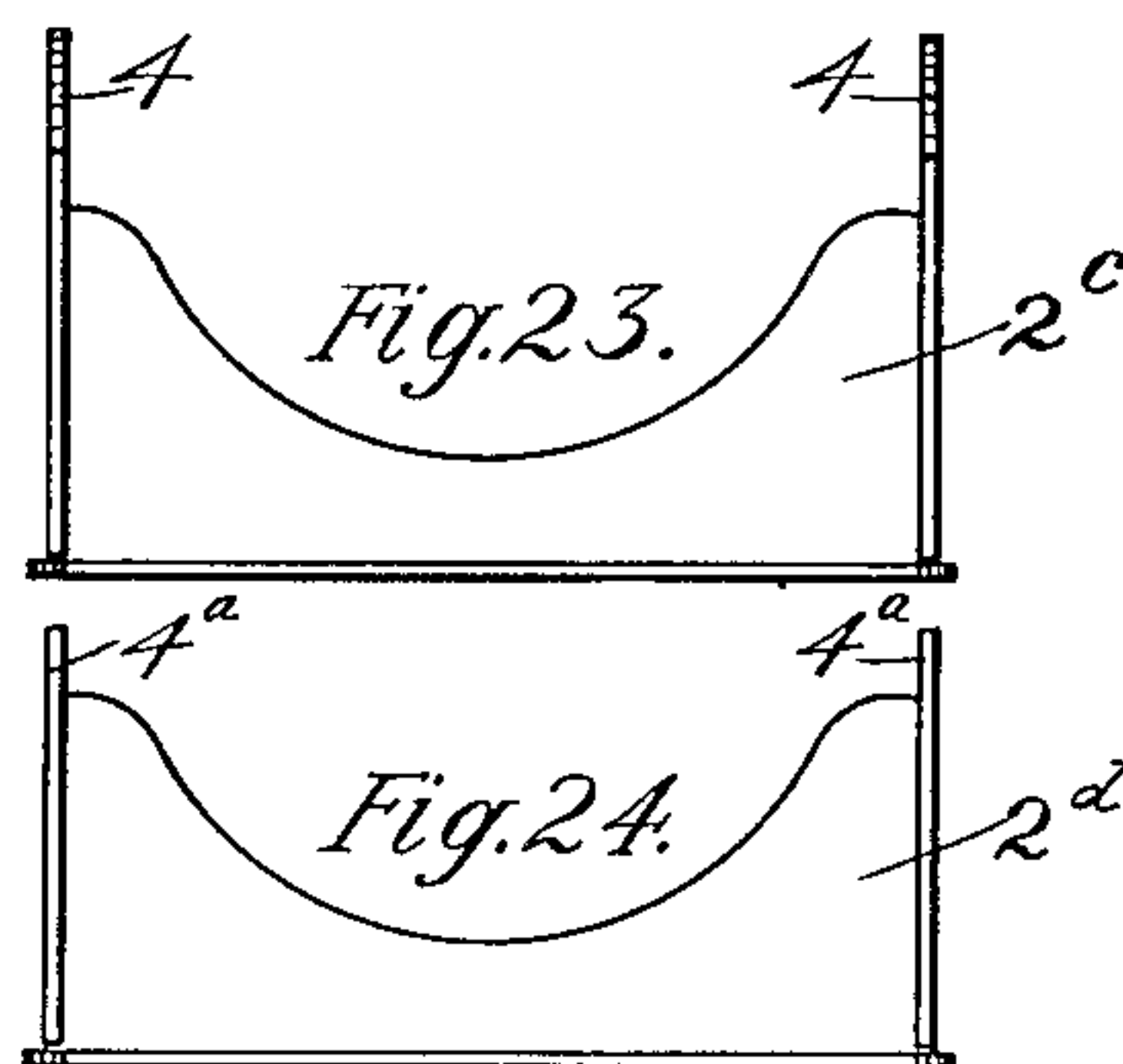
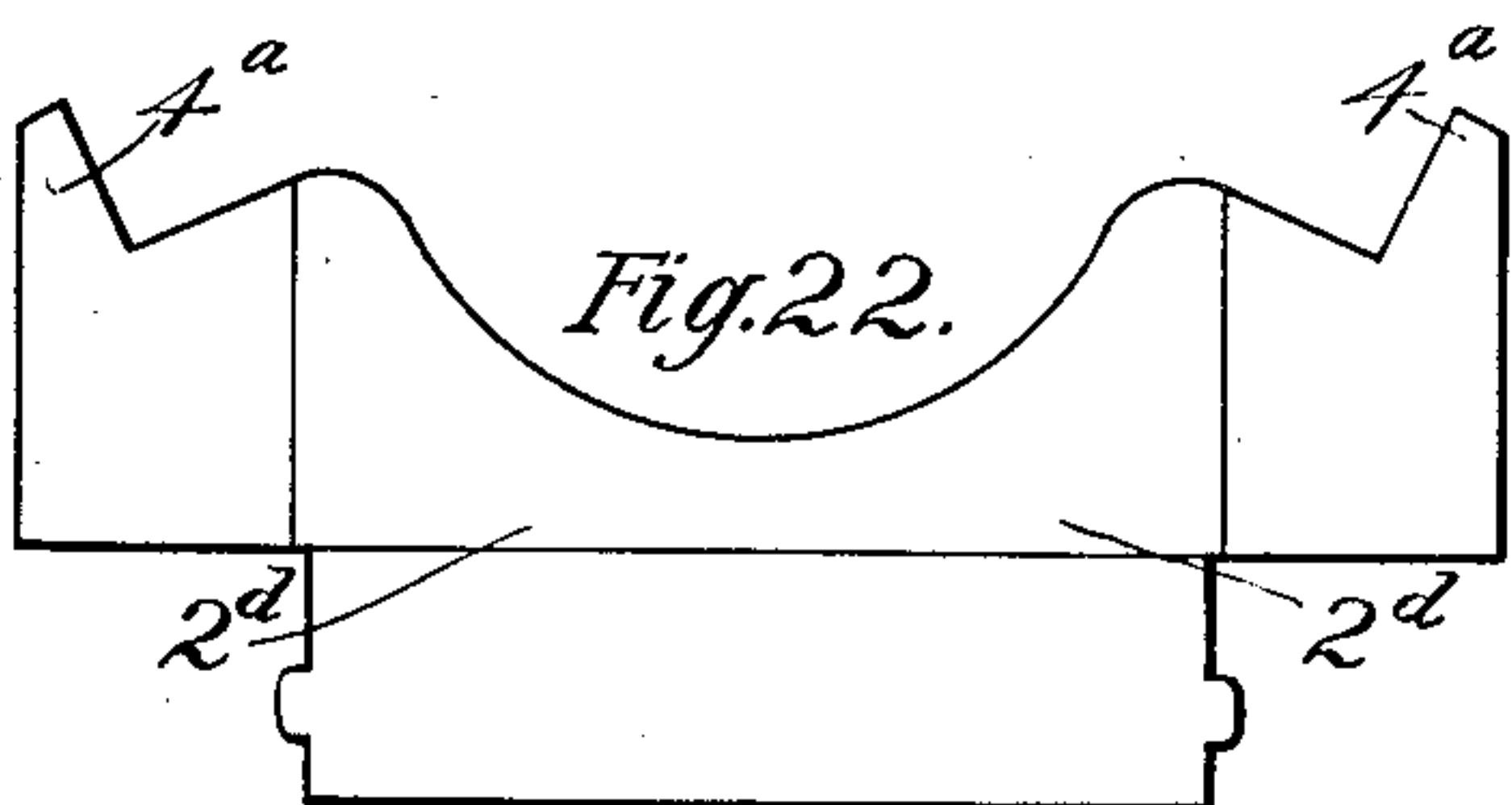
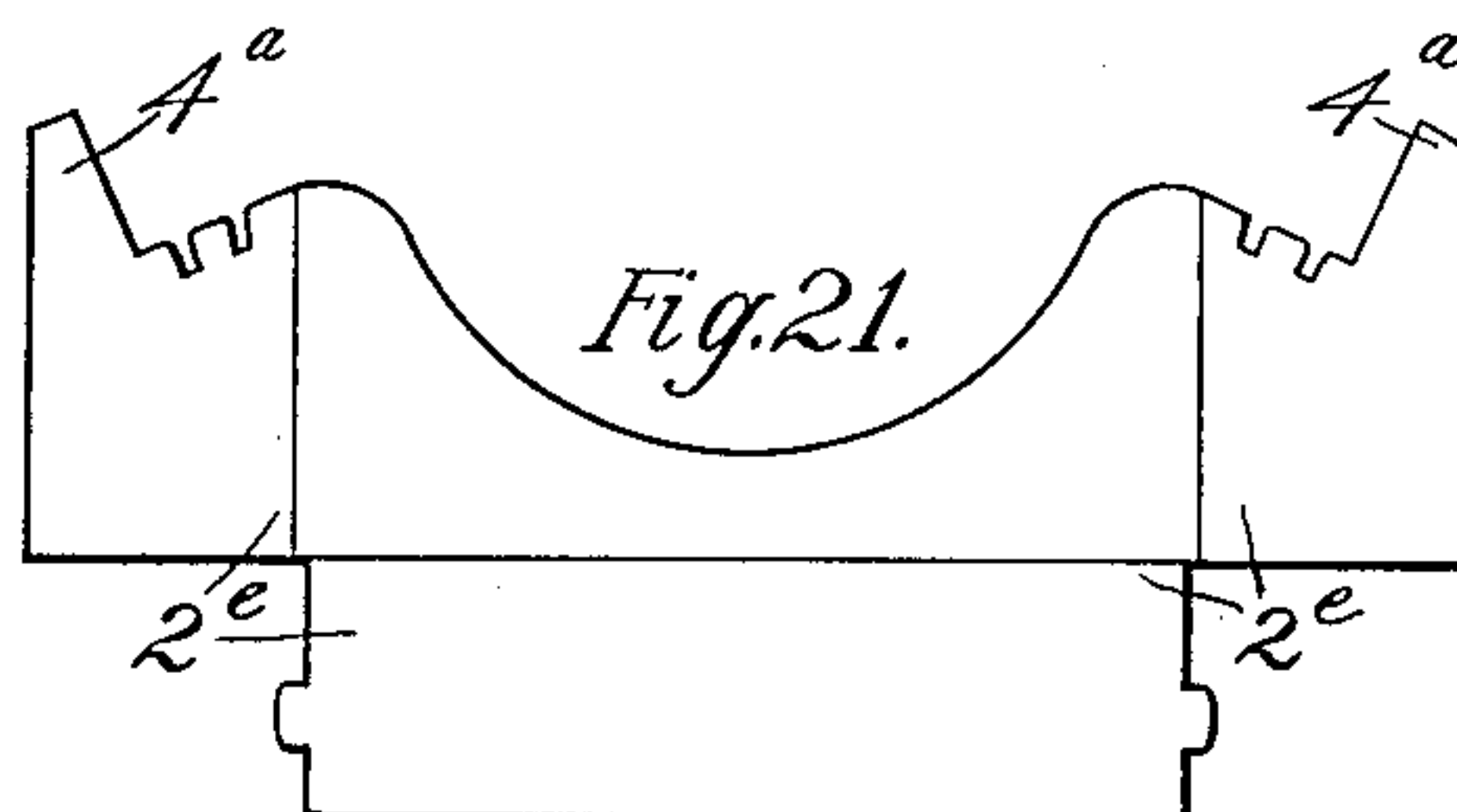
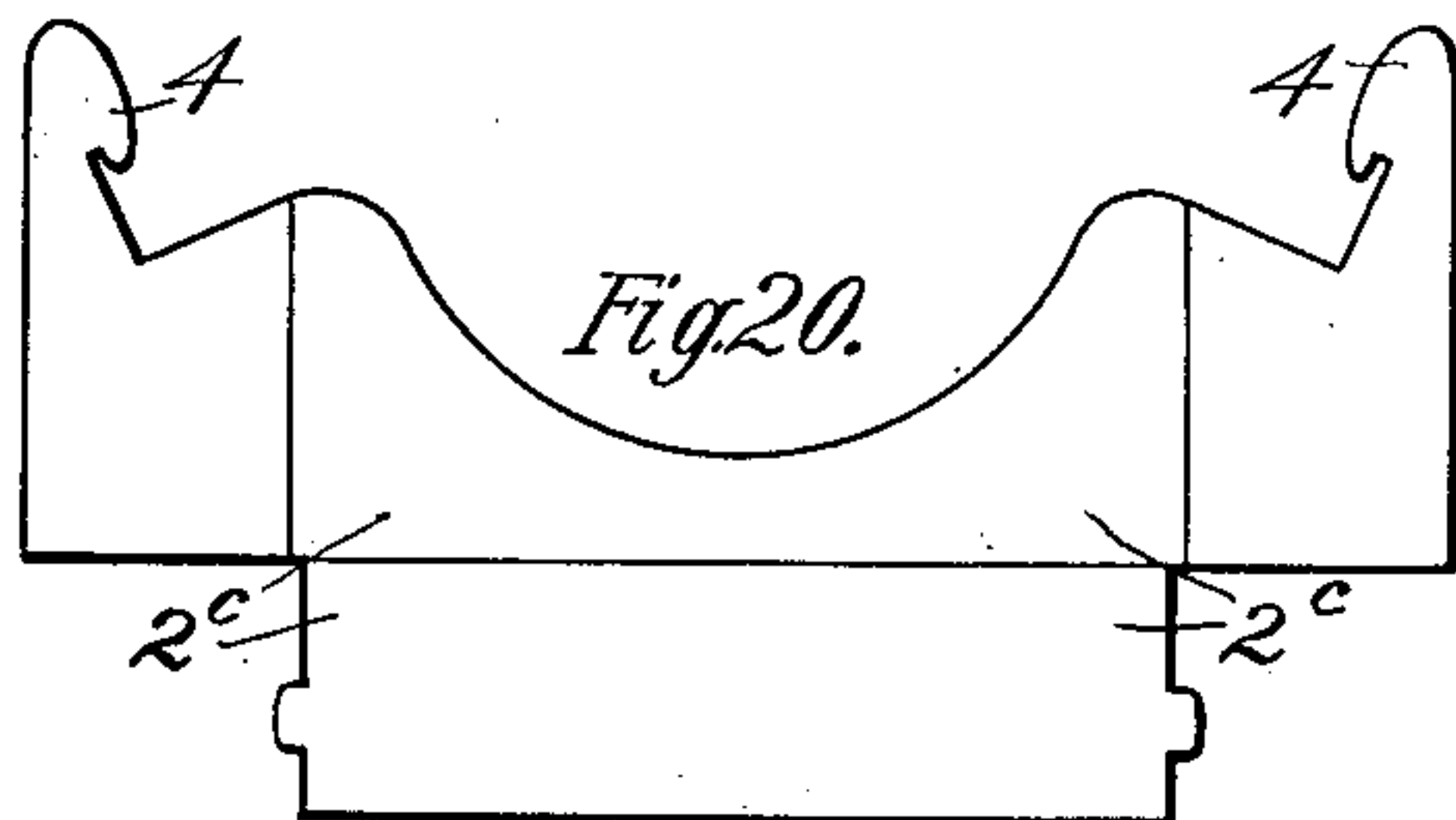
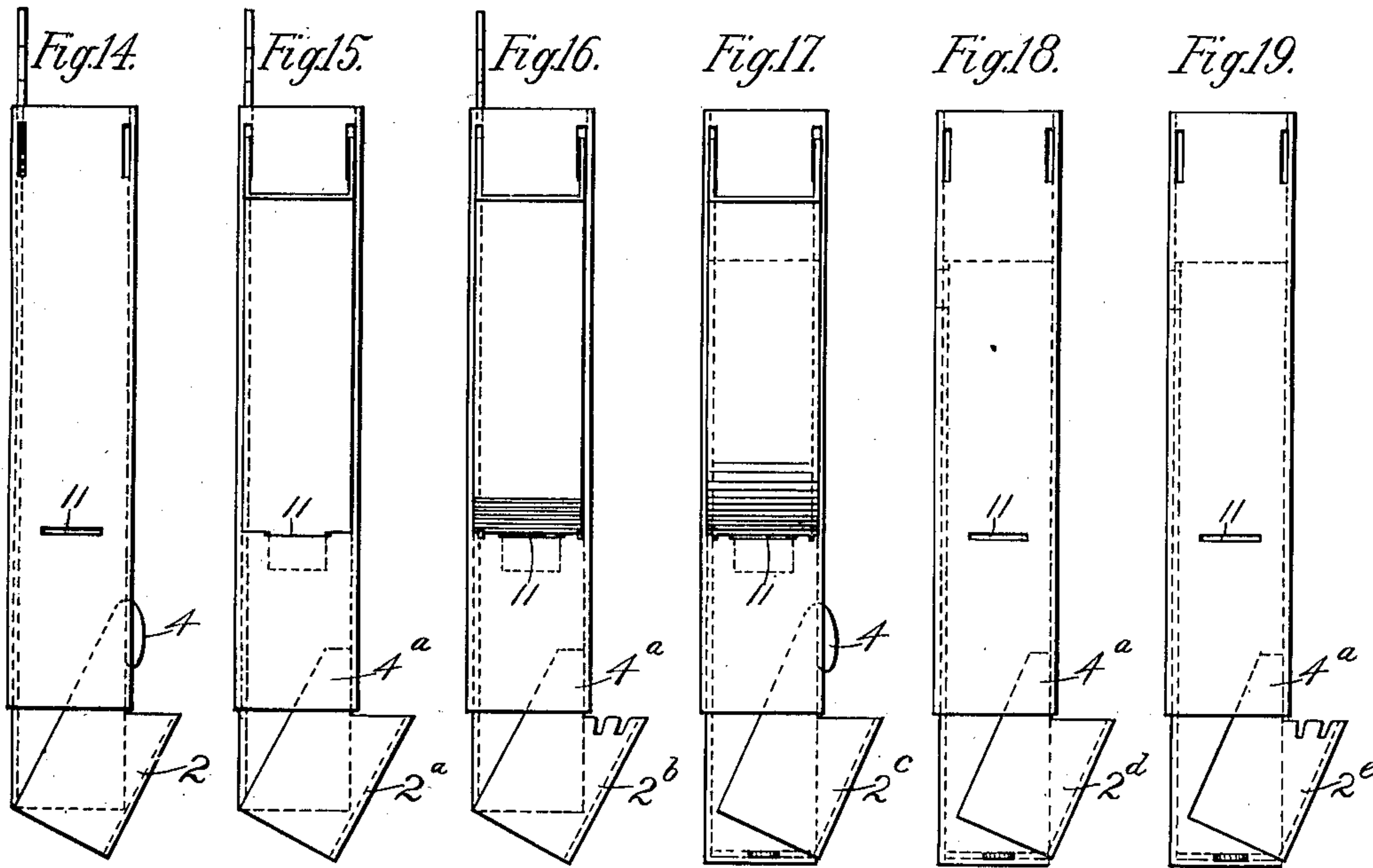
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4 SHEETS—SHEET 4.



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UNITED STATES PATENT OFFICE.

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AUTOMATIC-FEED MATCH BOX AND SAFE.

No. 916,230.

Specification of Letters Patent.

Patented March 23, 1909.

Application filed May 9, 1907. Serial No. 372,815.

To all whom it may concern:

Be it known that I, IPE A. VIERSEN, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented new and useful Improvements in Automatic-Feed Match Boxes and Safes, of which the following is a specification.

My invention relates to match boxes.

The object of the invention is the construction from card-board or other similar material of a box in which matches are packed and sold and which may also be used as a match safe to hang upon the wall, from which matches may be easily obtained as needed for use. Provision is also made for a receptacle for burned matches.

The invention consists in the novelty of construction and arrangement of parts, as will be more specifically described and pointed out in the claim.

Reference is had to the accompanying drawing, in which—

Figure 1 is a front elevation of match box in position for use as a match safe. Fig. 2 is a similar view of the lower extension or feed, and burned match tray. Fig. 3 is a similar view showing another modification of the extension or feed. Fig. 4 is a front elevation of design shown in Fig. 3, the box being folded and filled with matches. Fig. 5 is a die cut of the box as shown in Fig. 1, the fine lines indicating where the box is to be folded. Fig. 6 shows a die cut of the cover shown in Fig. 1, before being folded or glued together. Fig. 7 is a front elevation of match box shown in Fig. 1, with the tray for burned matches on the opposite side and the lower extension in a separate piece. Fig. 8 is a plan view of match box with tray for burned matches attached and the lower extension drawn out. Fig. 9 is a front elevation of Fig. 7 showing box folded. Fig. 10 is a die cut of the tray for burned matches shown in Figs. 1, 3 and 7. Fig. 11 is a die cut of the form of tray for burned matches shown in Fig. 2, the fine lines indicating the fold. Fig. 12 is an end elevation of tray shown in Fig. 10, folded. Fig. 13 is an end elevation of tray shown in Fig. 11, folded. Fig. 14 is a side elevation of Fig. 1 showing the lower extension or feed extended. Fig. 15 is a side elevation of Fig. 2 showing the lower extension or feed extended. Fig. 16 is a side elevation of Fig. 3 showing the lower extension or feed extended. Fig. 17 is a side elevation of Fig. 7 with lower extension or feed extended. Fig. 18 is

a side elevation of box showing the separate extension as seen in Fig. 22, but folded for use. Fig. 19 is a side elevation of box showing separate feed or extension as seen in Fig. 21 but folded for use. Fig. 20 is a die cut of lower extension or separate feed shown in Fig. 17. Fig. 21 is a die cut of lower extension or separate feed shown in Fig. 19. Fig. 22 is a die cut or separate feed shown in Fig. 18. Fig. 23 is a folded rear or inside elevation of lower extension or feed shown in Fig. 20. Fig. 24 is a folded rear or inside elevation of lower extension or feed shown in Figs. 21 and 22.

Like parts are indicated by similar characters of reference throughout the several views.

The box is composed of either two or three parts. First, an inner box of which the feed or extension is a part, the die cut of which is shown in Fig. 5; second, an outer casing secured together about the box, into which the box slides, the form of the casing being shown in the die cut, Fig. 6; third, a separate feed which can be inserted in a suitable box making a three piece construction, see Figs. 20, 21 and 22.

In the drawings, 1 is the outside cover of box and is cut out at the top and bottom to permit the insertion of the thumb and finger. The lower extension or feed 2, a part of the inner box proper, is drawn out from the outer casing 1, the hooks 4 on the corners of the feed being inserted in the slots 3, in the cover 1, securely holding the extension or feed in a fixed position. The weight of the matches, 1^a, carry them downward in the extension or feed, making an automatic feed and allowing the matches to be drawn out of the box through the opening in the feed. The upper end of the box, 5, forms a flap which may be drawn out and has a hole 6, for hanging the box on a nail or fastening in the wall. After the box is folded, said flap is adjusted within the cover, which is folded about it and the edges of said cover are glued or otherwise secured together. At the side of the box is a tray for burned matches, 7, which is hooked into the cover by means of hooks 9, inserted through slots 8 in the cover 1. At the base of the tray is a tongue 10, which is inserted through the slots 11 in the cover 1, forming a simple and durable fastening and support for the tray. The tray is placed in the box after the box is filled with matches. The user first opens the box and adjusts the tray

as above described. As both sides of the box are provided with the slots 8 and 10, the tray can be adjusted to either side of the box.

Another form of tray for burned matches is shown in Fig. 3. The empty space at top of cover can be filled with burned matches as it leaves an opening about one inch deep which is well suited for the burned matches.

In the modified form shown in Fig. 2, the feed 2^a is not provided with the hook 4 for adjustment in the cover, the feed being merely folded under the cover. The tray for burned matches, 7^a, is of somewhat different form, being more nearly square instead of triangular. The lower corners of the side pieces have ears 7^b for insertion in the slots 7^c, in the bottom of the tray, as seen in Fig. 11.

In Fig. 3 is shown another modification of the feed. The feed 2^b is provided with lugs or projections 4^a which are adapted to fold under the cover as in Fig. 4.

In Fig. 7 is shown a separate feed or extension, the same as shown in Fig. 1, except that the lower edge of the feed 2^c is separate from the box and cover.

In Figs. 20 to 24, are shown forms of detached feeds adapted to fold under the casing or project below the casing as seen in Figs. 17 to 19.

In Figs. 21, 22 and 24 the feed is adapted for use in connection with any ordinary slide box, there being no slots cut in the cover and the feed being supported by hooks 4^a resting against the inside of the cover as shown in Figs. 18 and 19.

A strip of sand, 12, is applied to gum on the front of the box upon which the matches are lighted.

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

In a match box and safe, the combination, with an outer box having slots in the face thereof, an inner box, folded and adapted to slide in the outer box, of a separate feed cut in one piece and adapted to fold under the outer box and project below it for the display of matches, the lower edge of the outer box and the upper edge of the feed being cut away, hooks on said feed for insertion in said slots to support the feed in its projecting position, as and for the purposes specified.

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

IPE A. VIERSEN.

Witnesses:

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PAUL A. VIERSEN.