

W. J. HEIM.

CUSPIDOR.

APPLICATION FILED MAR. 6, 1909.

936,888.

Patented Oct. 12, 1909.

Fig. 1.

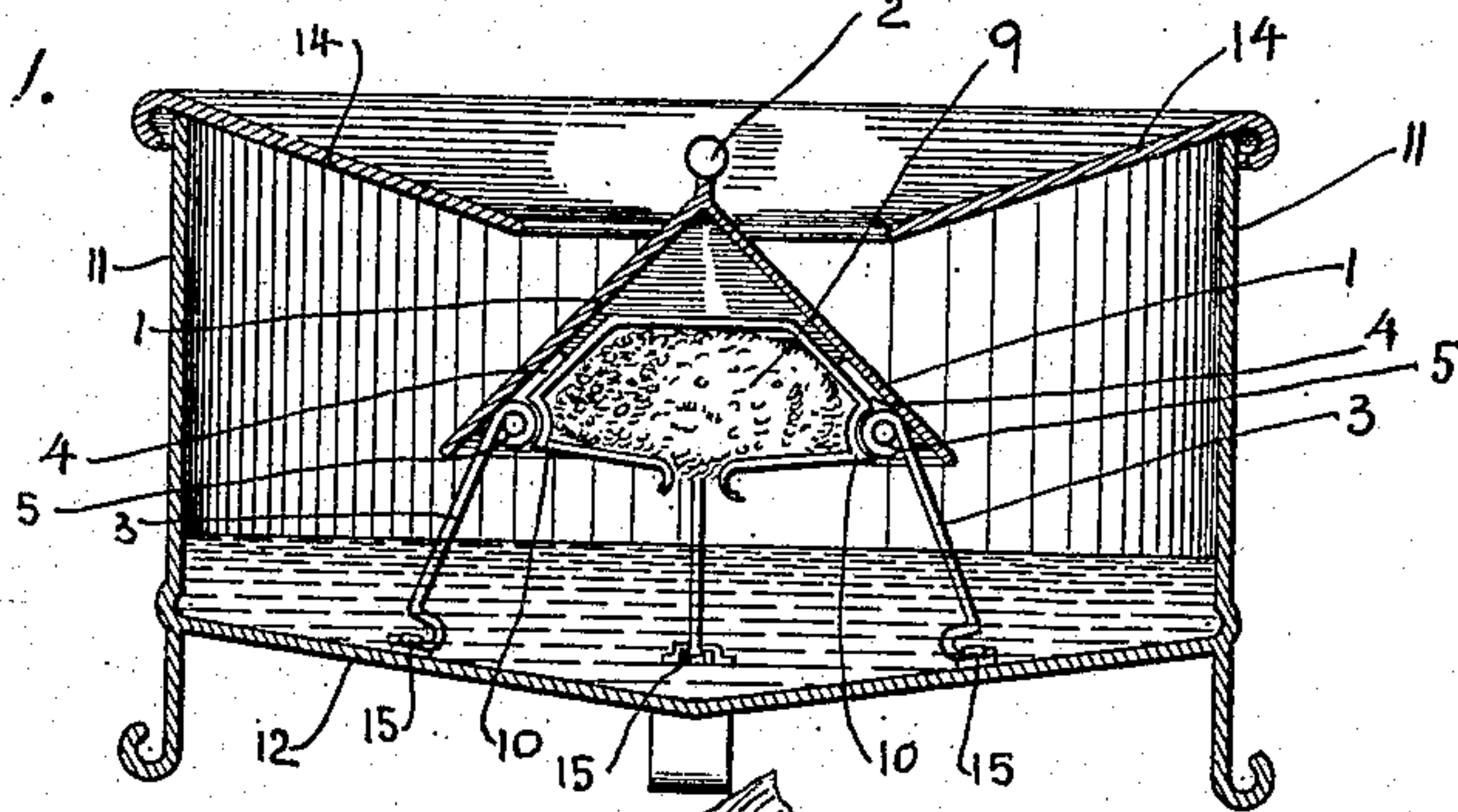


Fig. 2.

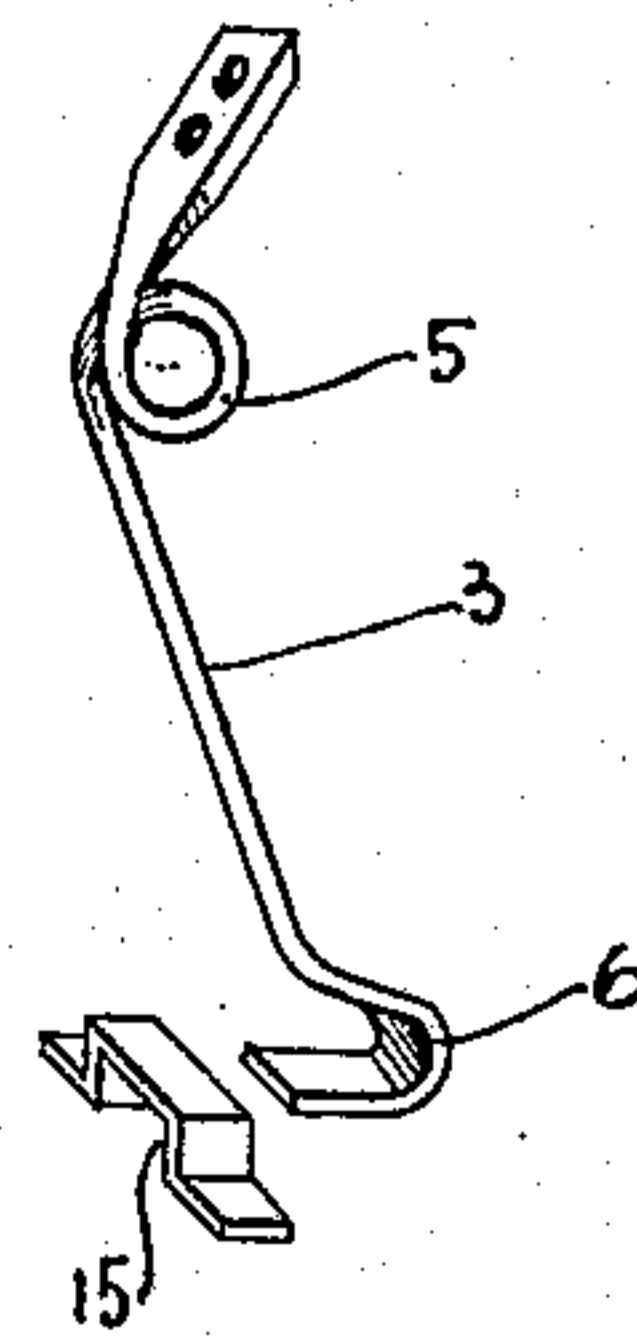


Fig. 3.

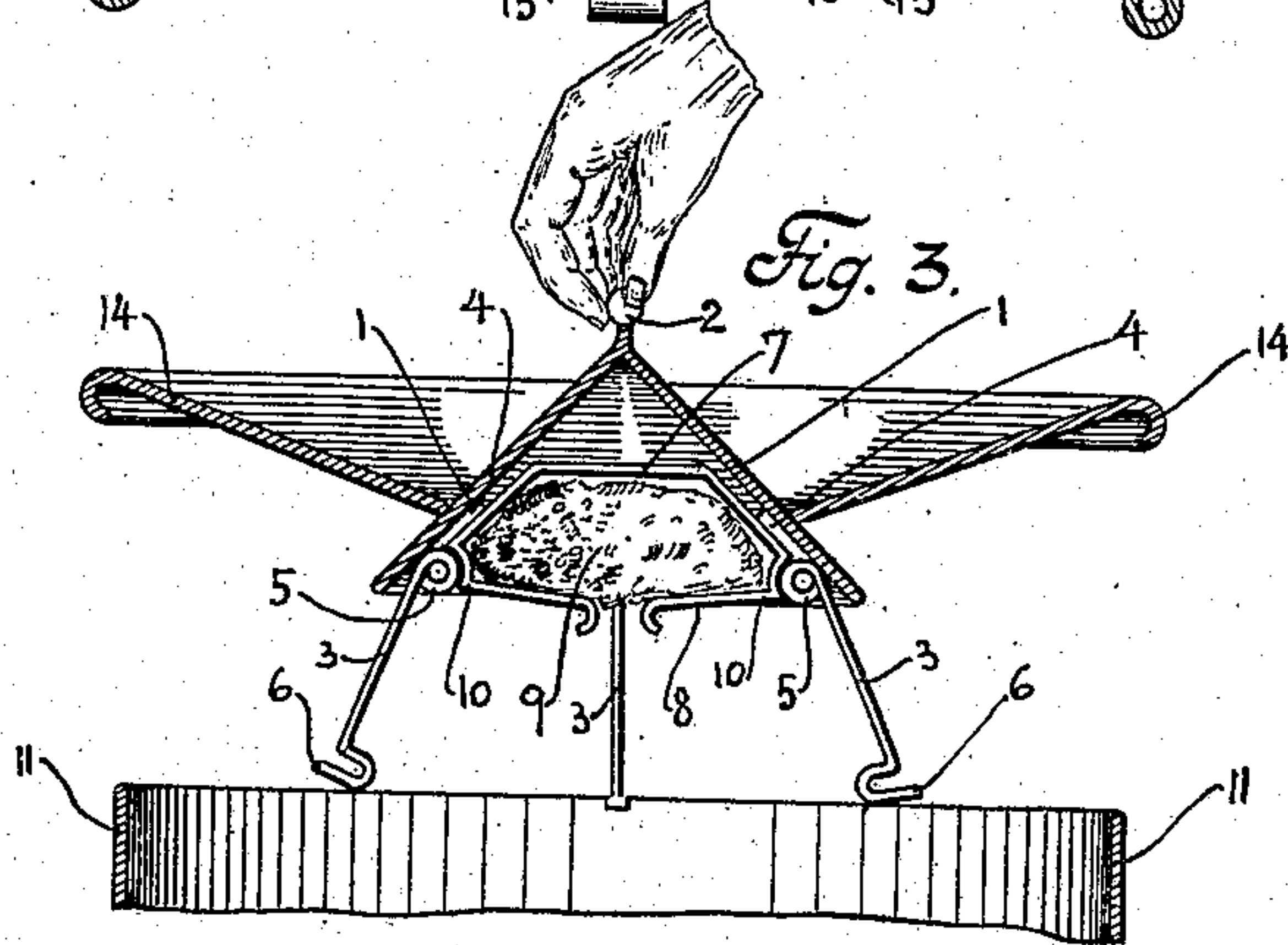


Fig. 4.

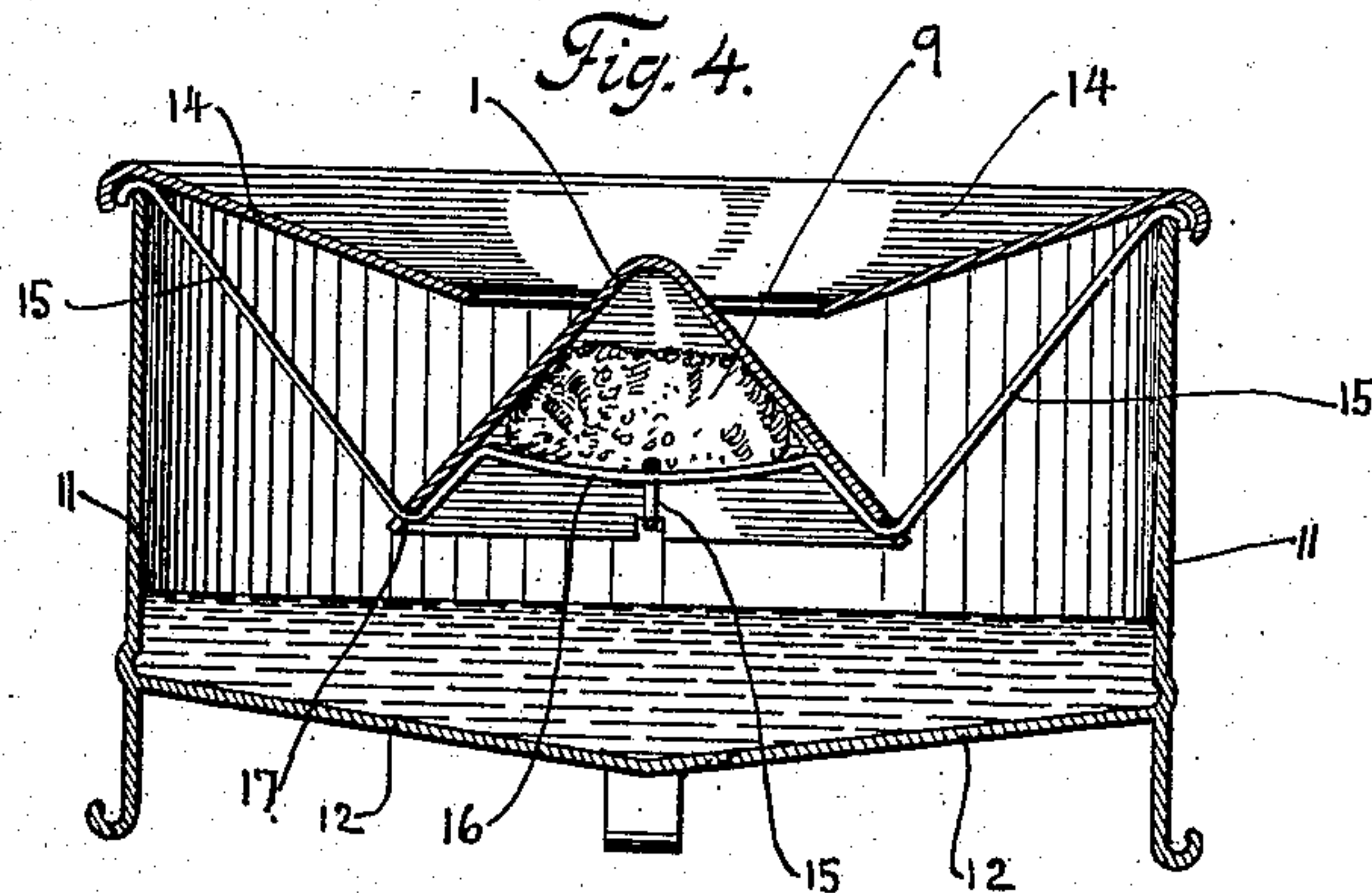
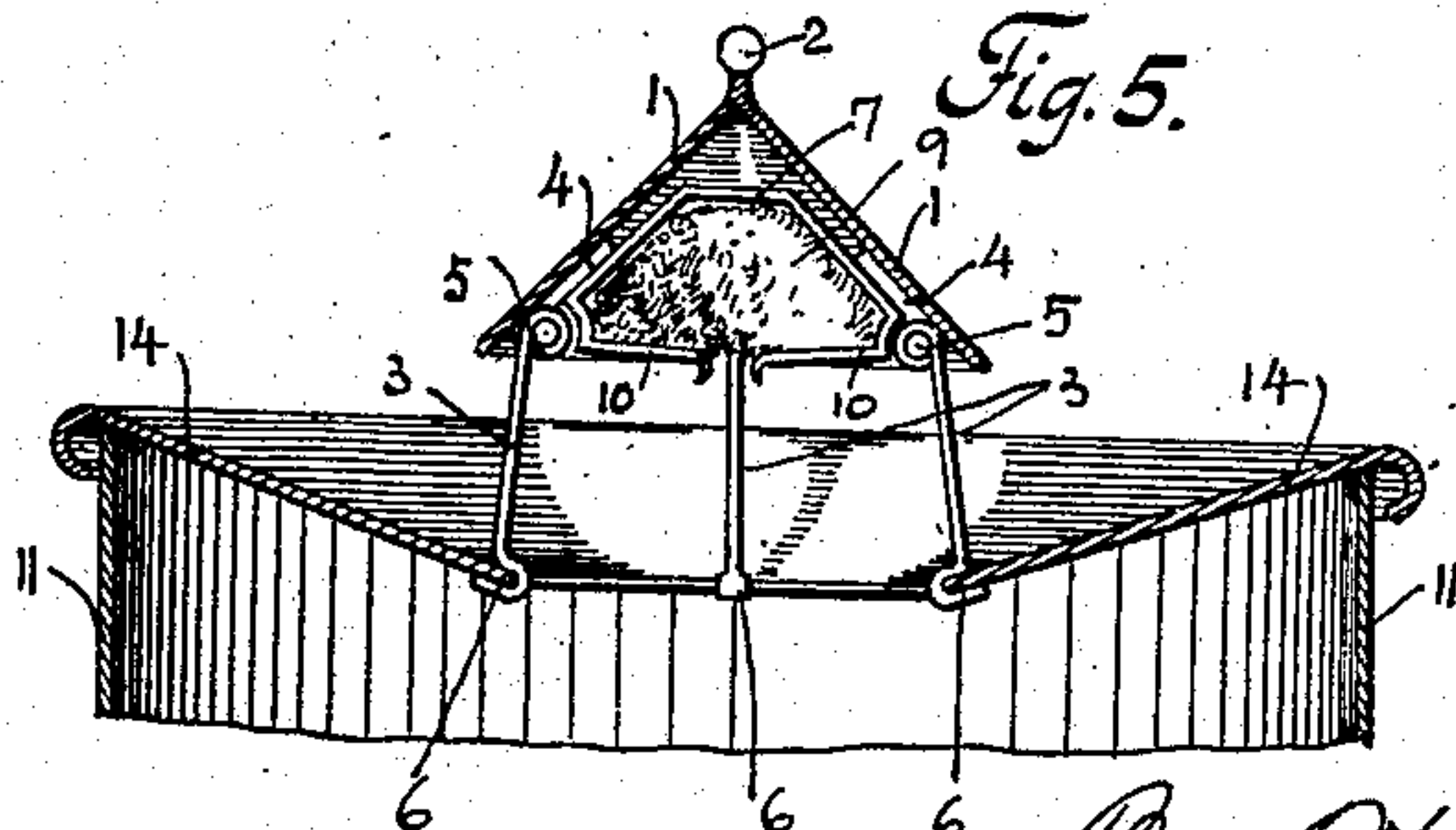


Fig. 5.



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CUSPIDOR.

936,888.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, WILLIAM J. HEIM, a citizen of the United States of America, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Cuspidors, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to certain new and useful improvements in disinfectants or deodorizers for cuspidors, and the invention has for its primary object to provide an attachment for a cuspidor which will contain a disinfectant or absorbent having properties capable of purifying or dispensing with the obnoxious odors arising from a cuspidor.

My invention aims to provide a novel attachment for a cuspidor, which can be either placed in the cuspidor or upon the top of the cuspidor, in both instances, the attachment either deodorizing the cuspidor or absorbing the fumes or odors thrown off by the cuspidor. In this connection, my improved attachment can be easily and quickly connected to various types of cuspidors, the attachment being particularly adapted for cuspidors used in prominent places, where all sorts of filth and impure matter is collected in the cuspidors, the defecation of cuspidors by persons expectorating into them alone causing impure odors to arise, which is very disagreeable and harmful to persons in the vicinity of the same. To this end, I have devised an attachment for cuspidors adapted to contain a disinfectant in the form of an absorbent, whereby the germs or impure ingredients arising from the scurf or contents of the cuspidor will be collected by the absorbent, or the fumes or odors disinfectated by a chemical ingredient carried by the attachment.

With the above and other objects in view which will more readily appear as the nature of the invention is better understood, the same consists in the novel construction, combination and arrangement of parts to be hereinafter more fully described and claimed, and referring to the drawing accompanying this application, like numerals of reference designate corresponding parts throughout the several views, in which:—

Figure 1 is a vertical sectional view of the cuspidor equipped with my improved

attachment, Fig. 2 is a perspective view of one of the resilient supports of the attachment, Fig. 3 is a vertical sectional view of the cuspidor, illustrating the operation of removing the attachment, Fig. 4 is a similar view of the cuspidor having a modified form of attachment, and Fig. 5 is a vertical sectional view of the attachment applied to the upper edges of a cuspidor.

In the accompanying drawings, 1 designates a cone-shaped bell or dome, the apex of which is provided with a knob or handle 2. The inner sides of the bell or dome 1 are provided with depending resilient supports 3, which may be soldered, riveted or otherwise secured to the bell or dome, as at 4. Each support near its upper fixed end is bent to form a loop 5, while its lower end conforms to a hook 6.

In the bell or dome 1 is mounted a detachable absorbent holder 7, said holder being made of a single strip of metal or wire, which is bent to form two resilient gripping ends or handles 8, 8 adapted to embrace a sponge 9 or like absorbent material and retain said sponge or material within the bell or dome 1. The holder 7 is made of a resilient material and is of a greater width than the diameter of the dome 1, whereby to insert the holder within the dome it is necessary that the gripping ends of handles 8 be pressed toward one another until the holder is inserted within the dome, at which time by releasing the handles 8, the curved portions 10, 10 of the holder which form seats will engage the loops 5 of the supports 3 and prevent the holder from becoming detached from the dome, while the same is being used. When the holder 7 is made from a strip of flat metal, a sufficiently wide seat will be afforded for engagement by the loops 5, and when the holder is formed of wire, it may be necessary to "face" or flatten the portions 10 in order to afford seats for the loops 5.

In Figs. 1 and 2 of the drawings, I have illustrated a conventional form of cuspidor 11 as having a tapering bottom 12 and a funnel-shaped detachable lid 14. In order that my improved attachment may be used in connection with the cuspidor 11, the bottom 12 of the cuspidor is provided with cleats 15 and adapted to engage in said cleats are the hook-shaped ends of the sup-

ports 3 of the attachment. When the funnel-shaped lid 14 is removed from the cuspidor, it is extremely easy to position the attachment upon the bottom 12 of the cuspidor, it being also easily removed, at any time it is desired to cleanse the cuspidor or remove the contents thereof.

Where the attachment is secured to the bottom of the cuspidor as in the construction shown in Figs. 1 and 2, the lid 14 may be lifted off to empty the bowl 11, or to give access to the interior of the bowl to disengage the hooks 6 from cleats 15. The lid 14 is then preferably placed over the dome again, and the latter with the cover lifted off together as illustrated in Fig. 2 of the drawings.

In Fig. 4 of the drawings, I have illustrated four wire frames 15 as suspended from the upper edges of the cuspidor 11, said frames being arranged at right angles to each other with the intersecting portions thereof bent to provide a holder 16 for the sponge or adhesive material 9. The dome or cone 1 is notched, as at 17, to rest upon the frames 15.

The attachment as shown in Fig. 5, can be connected to the edges of an ordinary cuspidor, and I reserve the right to shape the frames shown in Fig. 3 of the drawings, whereby the dome or cone can be supported in cuspidors of various shapes and contours.

Having now described my invention what I claim as new, is:—

1. In combination with a cuspidor, a dome, spring supports carried by the dome, means for detachably engaging said supports with the cuspidor, and a disinfectant holder inclosed by the dome and held therein by engagement with the supports of said dome.

2. In combination with a cuspidor, an attachment comprising a dome, spring supports attached at their upper ends to the dome and provided on their lower ends with hooks for securing them to the cuspidor, loops carried by said supports intermediate their ends, and a disinfectant holder within the dome having seats for engagement with said loops, as and for the purpose described.

3. The combination with a cuspidor, and cleats secured to the bottom thereof, of a disinfectant attachment comprising a dome, spring supports secured to said dome and having hooks on their lower ends to engage with said cleats, and a disinfectant holder held in position within the dome by engagement with the supports.

In testimony whereof I affix my signature in the presence of two witnesses.

WILLIAM J. HEIM.

Witnesses:

MAX H. SROLOVITZ,
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