

O. RANGNOW.  
DETACHABLE HAT FORM.  
APPLICATION FILED JAN. 22, 1909.

929,247.

Patented July 27, 1909.

FIG. 1.

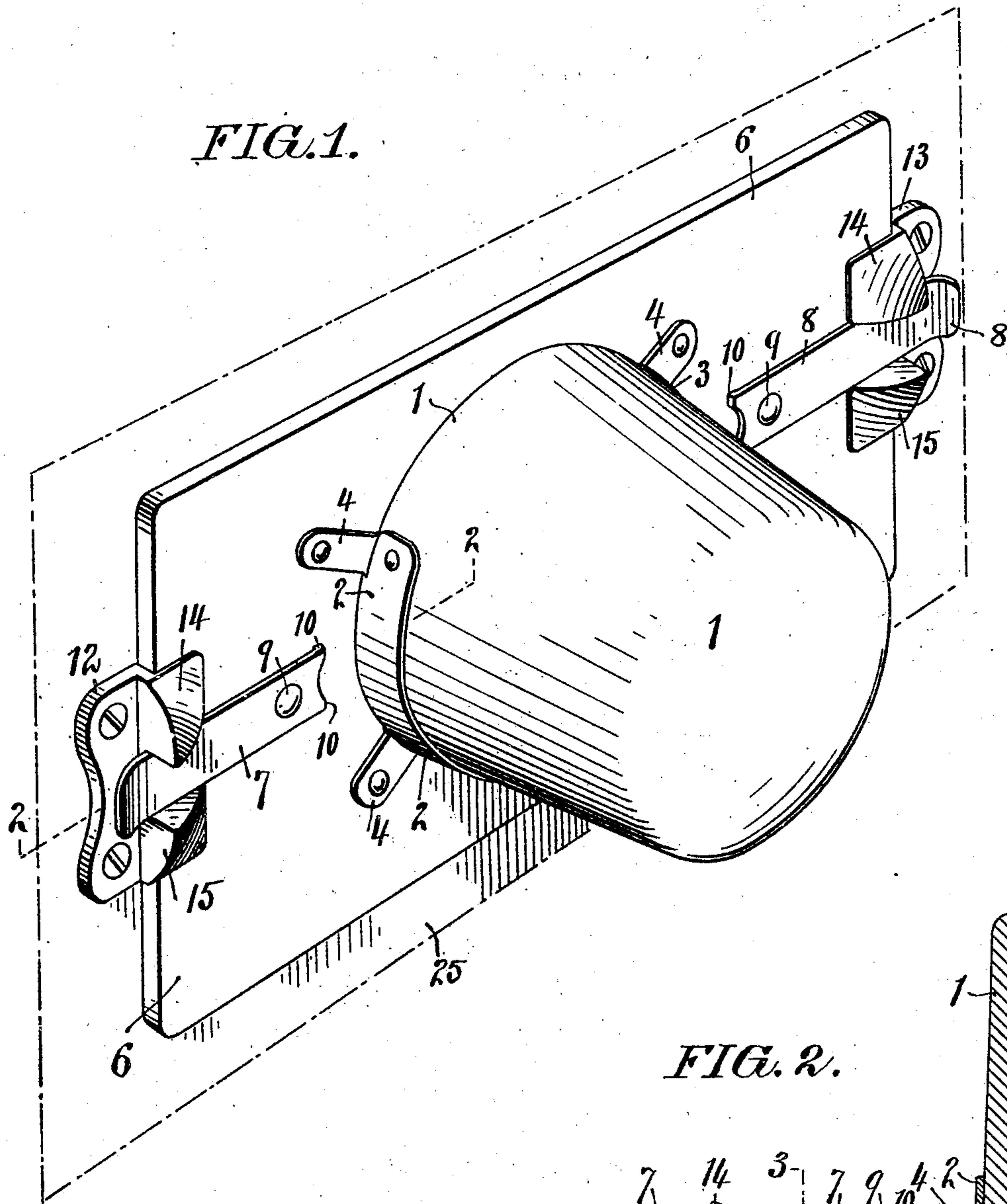


FIG. 2.

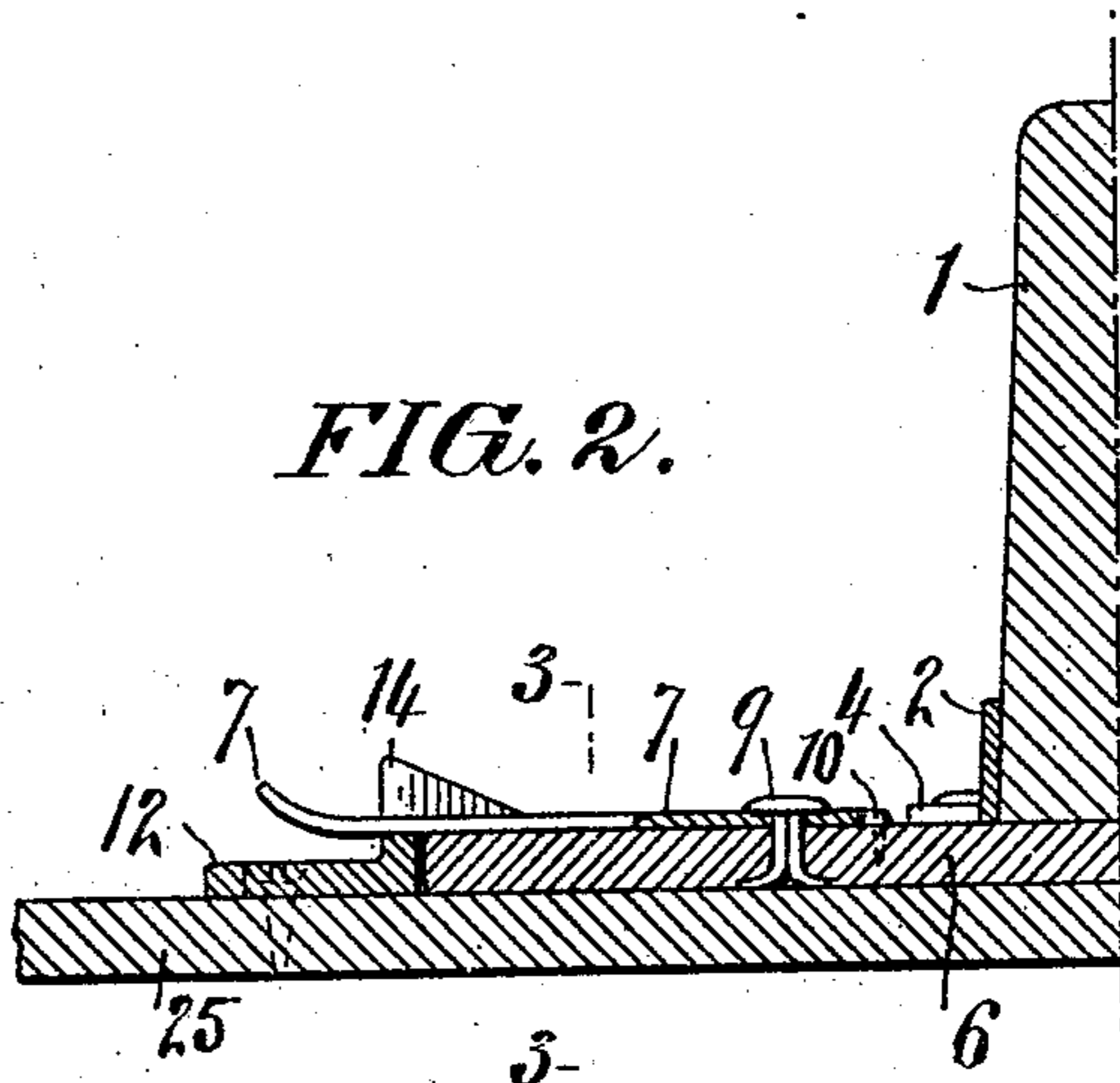
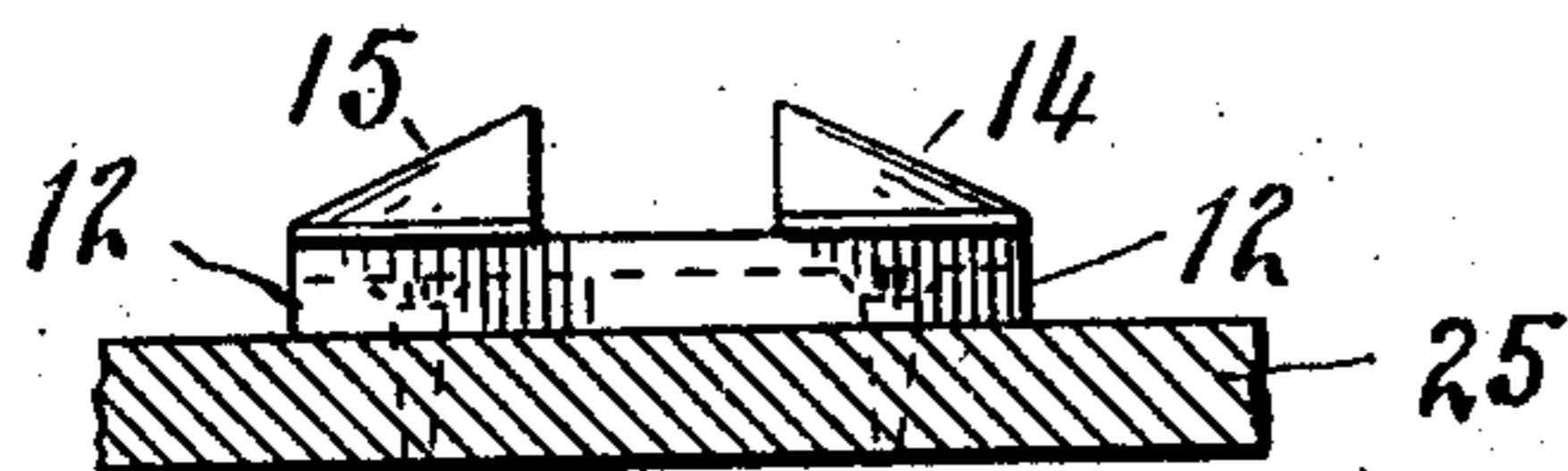


FIG. 3.



Witnesses:  
M. B. Ireland  
Hughes & Co., Jr.

Inventor:  
Otto Rangnow  
By his Attorney  
J. H. Witt Goodwin

# UNITED STATES PATENT OFFICE.

OTTO RANGNOW, OF PHILADELPHIA, PENNSYLVANIA.

## DETACHABLE HAT-FORM.

No. 929,247.

Specification of Letters Patent.

Patented July 27, 1909.

Application filed January 22, 1909. Serial No. 473,667.

*To all whom it may concern:*

Be it known that I, OTTO RANGNOW, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Detachable Hat-Forms, of which the following is a specification.

My invention relates to improvements in a detachable hat form and consists of a hat form made to enter the crown of a hat and formed of material which will permit a hat pin to be inserted in the same to secure the hat upon the hat form.

The hat form is adapted to be placed inside of a trunk for safely carrying a hat and preventing the same from moving about in the trunk.

The object of my invention is to provide a hat form which is detachable so that it may be removed from the trunk when it is not desired to carry a hat.

A further object of my invention is to provide fixtures which may be attached to the inside of the trunk to which the hat form may be readily attached or detached.

A further object of my invention is to provide a novel means of securing the hat form to the base-plate.

Referring to the drawings: Figure 1. is a perspective view of my improved detachable hat form; Fig. 2. is a sectional view on line 2—2 Fig. 1; Fig. 3. is a sectional view on line 3—3 Fig. 2, with the base-plate removed.

In the drawing 1 represents the hat form made of material which will permit a hat pin to be inserted therein and covered with fabric to hold the same in shape and give it a neat appearance. Near the base of the hat form and on either side are plates 2 and 3, secured to the hat form and said plates have ears 4 thereon projecting at right angles to said plates 2 or 3 so that the latter may be secured to the base-plate 6. The base-plate 6 is preferably made of wood and of any desired size and is provided with spring-plates 7 and 8, secured by means of a rivet 9, and by the turned points 10, which are driven into the wooden base-plate 6. The said spring-plates 7 project beyond the edges of the base-plate 6 so that they may be engaged by the fixtures 12 and 13, which are secured to the inside surface of the trunk. The said fixtures are placed at the proper distance apart so that the base-plate may be readily passed

between the same and the spring-plates 7 will ride over the curved surfaces of the bosses 14 and 15 on the fixtures and drop into the space formed between said bosses, thus holding the base-plate rigidly in place. The lugs formed upon the fixtures project over the edge of the base-plate and are off set sufficiently to allow the base-plate to pass beneath said lugs which prevent the base-plate from falling forward. The spring-plates are only required to take the lateral strain which prevents the base-plate from sliding under the fixtures. It will therefore be seen that the fixtures take the main part of the strain caused by the weight of the hat and the parts therefore may be made of very light material.

When it is desired to remove the hat form from the fixtures the spring-plates are pulled forward by the fingers until they are clear of the lugs on the fixtures. The base-plate may then be passed either way from under the lugs of the fixtures.

The fixtures may be attached to the trunk in any desired manner but preferably by screws so that they may be readily changed to any portion of the interior of the trunk where it is desired to hang the hat form.

The fixtures may be attached to the under side of the trunk tray, if desired, as the said fixtures are so constructed that they will readily carry the weight of the hat no matter what position the hat form is placed.

Having thus described my invention I claim and desire to secure by Letters Patent:

1. In an article of the character described, the combination of a hat form, a base plate secured to said hat form having its edges projecting beyond the said hat form, a fixture having lugs adapted to project over the edge of said base plate and a spring plate secured to said base plate adapted to fit into the space formed between said lugs on said fixture.

2. In an article of the character described, the combination of a hat form, a base plate secured to said hat form having its edges projecting beyond the said hat form, a fixture having lugs adapted to project over the edge of said base plate, said lugs having their upper surfaces beveled, and a spring plate secured to said base plate adapted to ride over said beveled surfaces of said lugs as said base plate is passed under said lugs and said spring plate adapted to fit between said lugs.

3. In an article of the character described, the combination of a hat form, a base plate secured to said hat form having its edges projecting beyond the said hat form, a fixture  
 5 having lugs adapted to project over the edge of said base plate, a spring plate secured to said base plate adapted to fit into the space formed between said lugs on said fixture and  
 10 said spring plate having the end thereof projecting a sufficient length beyond the said lugs to form a handle by which said spring plate may be released from said lugs.

4. In an article of the character described, the combination of a hat form, a base secured  
 15 to said hat form, said base plate having two parallel edges projecting beyond the said hat form, fixtures having lugs formed thereon adapted to project over the edges of said base plate, and spring plates secured upon

said base plate adapted to engage said fixtures. 20

5. In an article of the character described, the combination of a hat form, a base plate secured to said hat form having its edges projecting beyond the said hat form, a fixture  
 25 adapted to engage said base plate, a spring plate having a turned edge upon the same adapted to enter said base plate, a rivet passing through said spring plate and said base plate, and said spring plate having the  
 30 free end thereof engaged by said fixture.

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

OTTO RANGNOW.

Witnesses:

JAMES F. BOYLAN,  
 M. R. CLEELAND.