

B. E. HOLTON.  
AIR BRUSH.  
APPLICATION FILED FEB. 12, 1915.

1,166,522.

Patented Jan. 4, 1916.

Fig. 1.

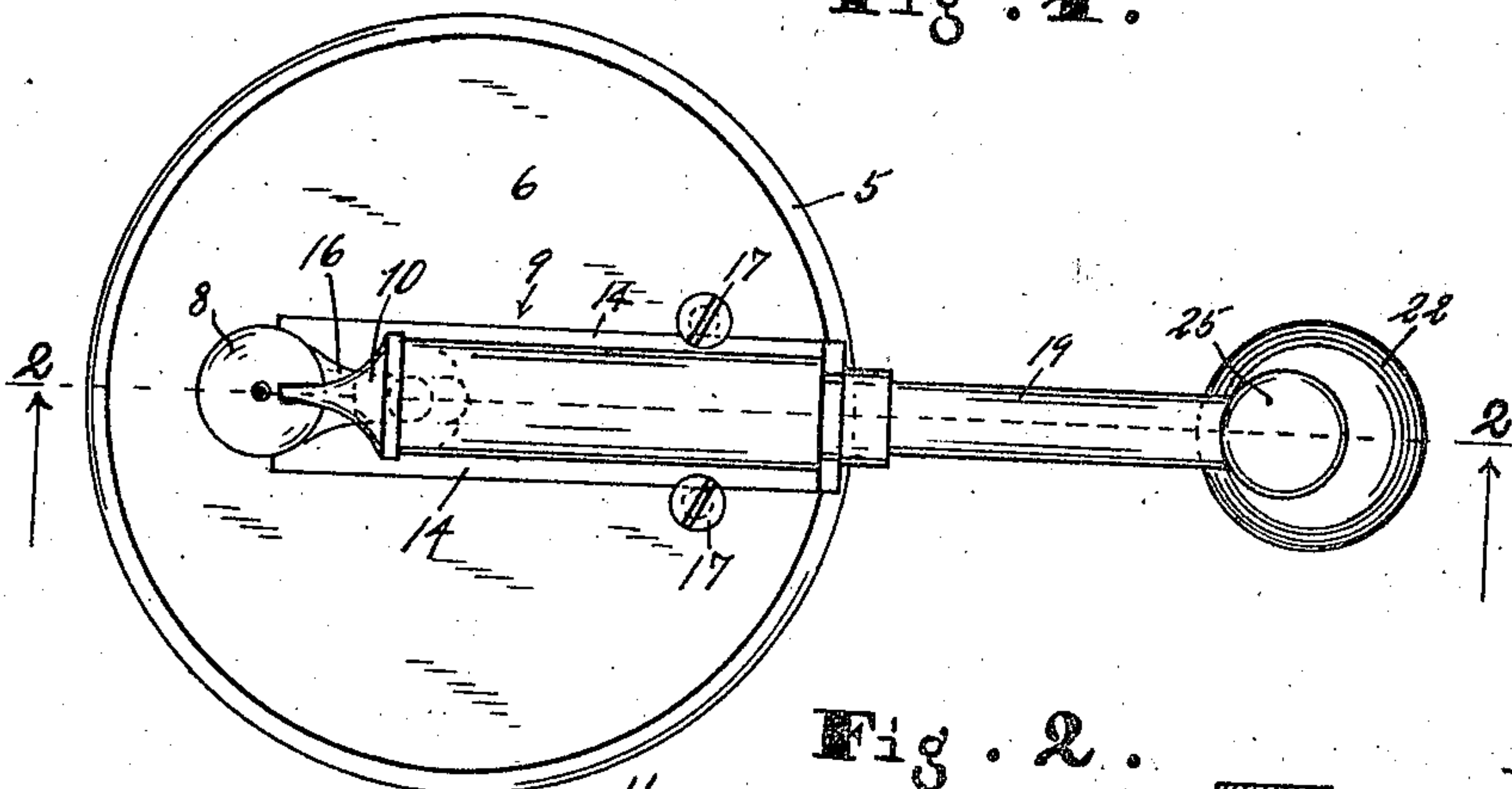


Fig. 2.

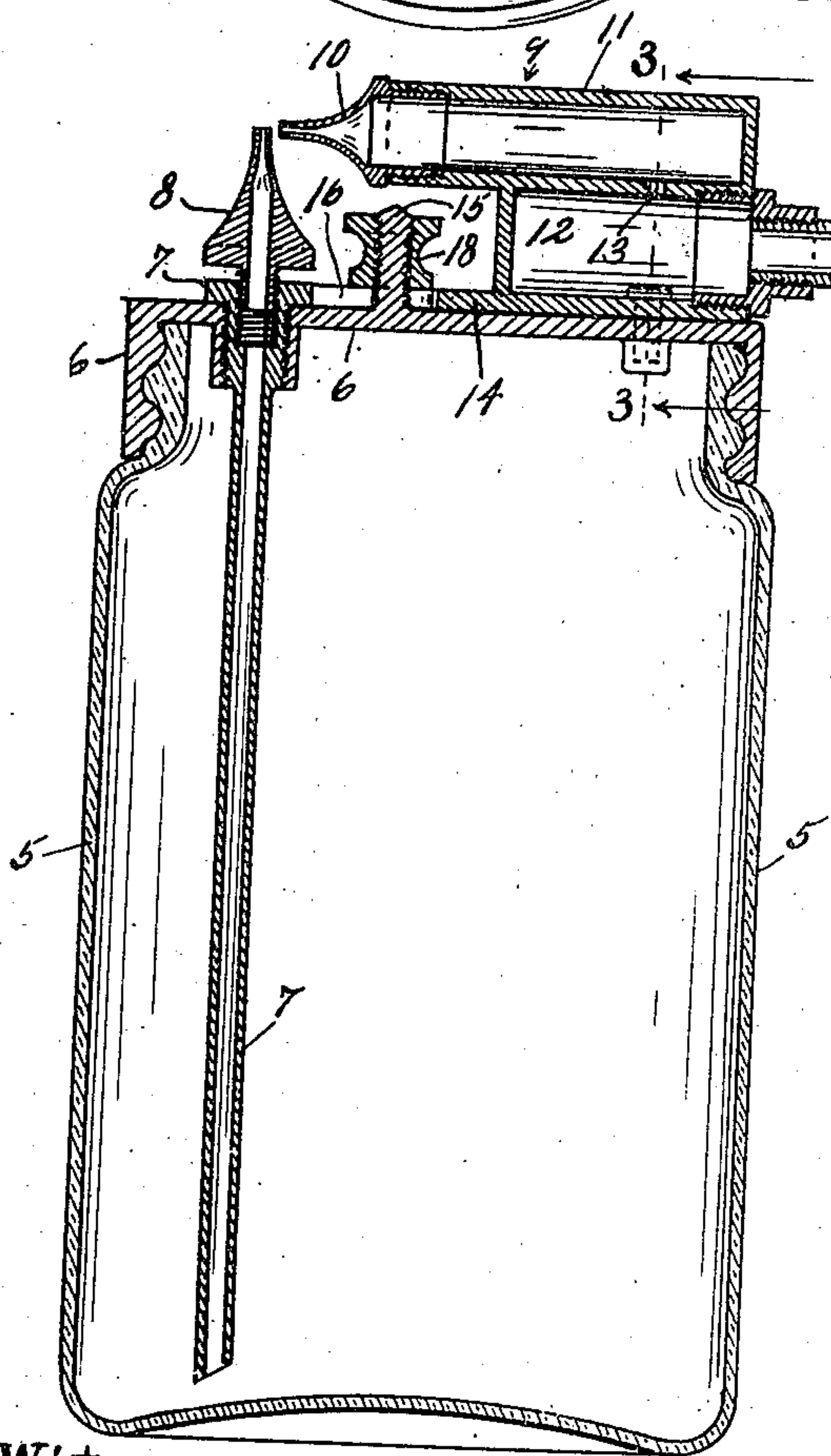


Fig. 3.

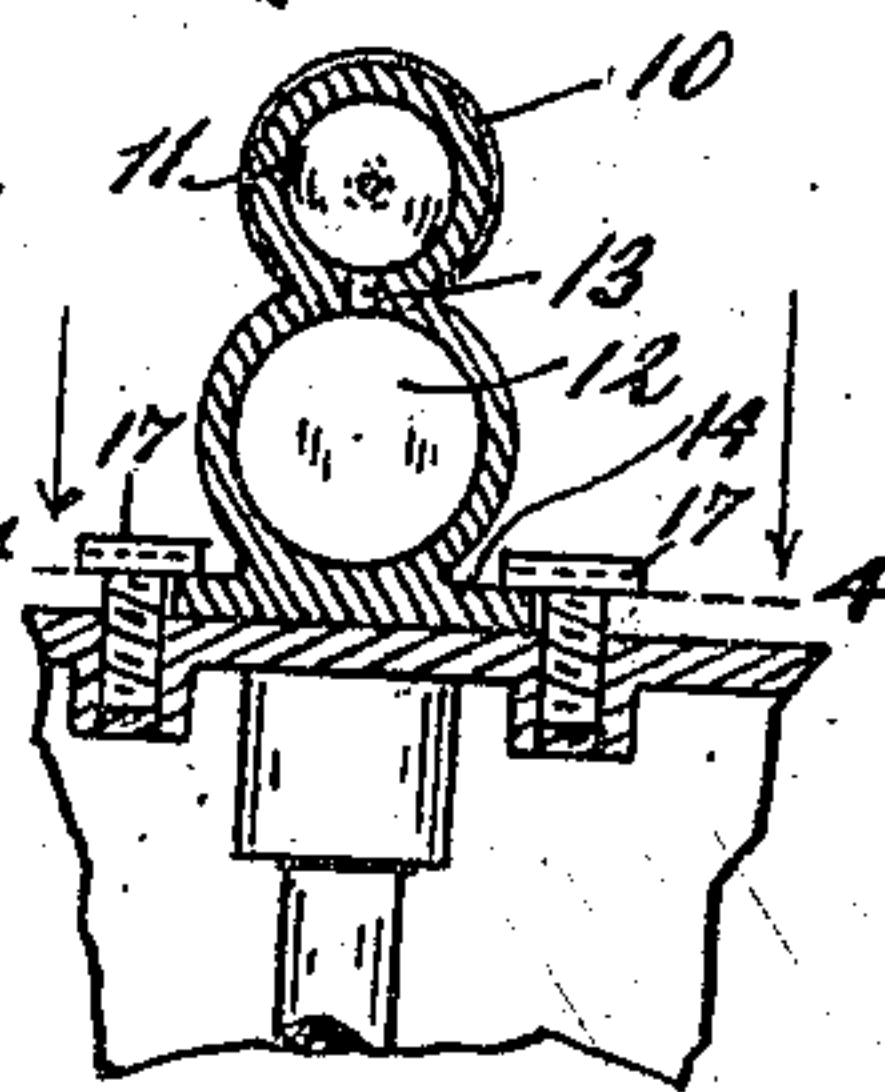
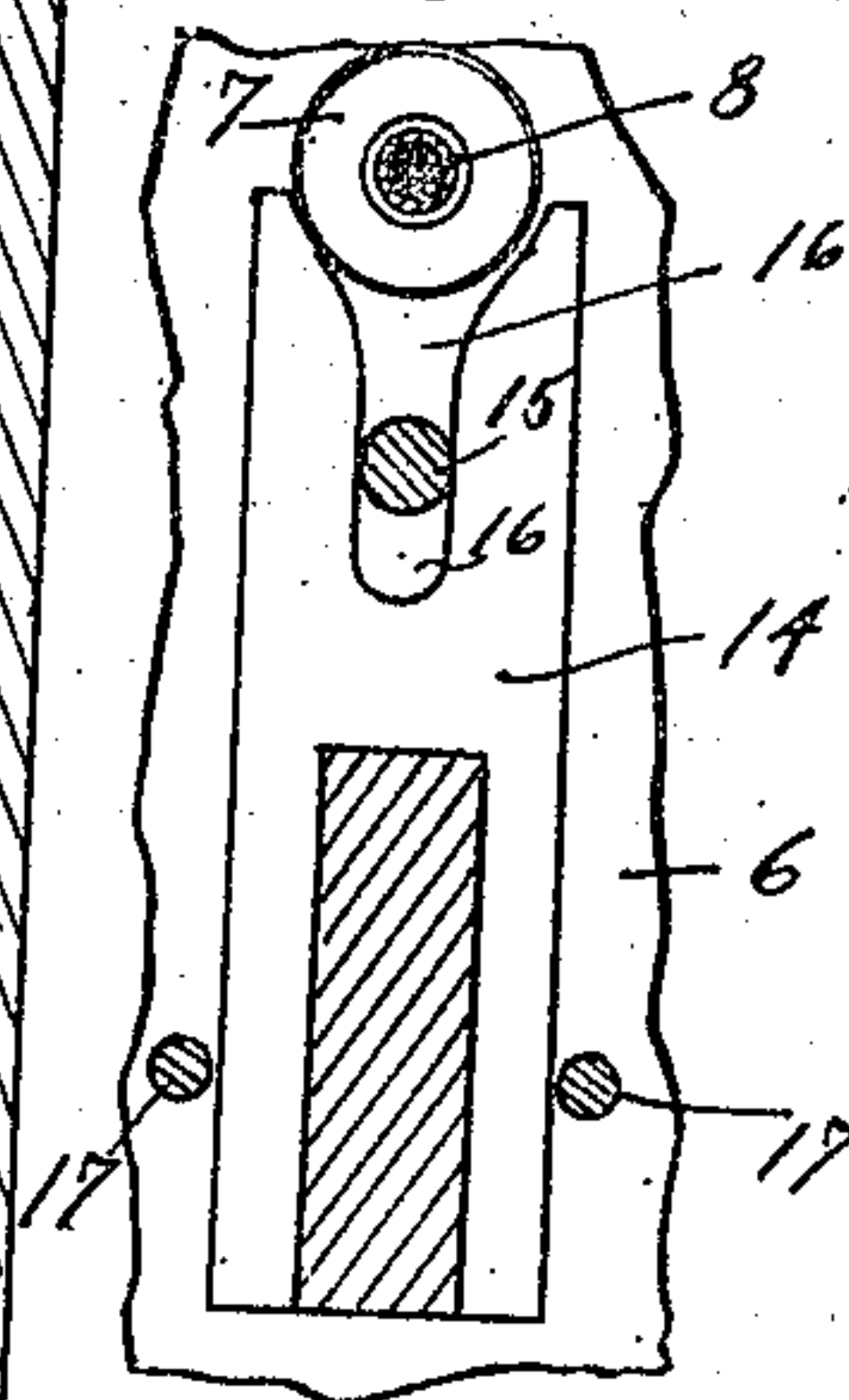


Fig. 4.



Witnesses:  
W. M. Gentle,  
Ella Scott.

Inventor  
Richard E. Holton  
By  
Rex H. Liddens  
Attorney.



# UNITED STATES PATENT OFFICE.

BIRCHARD E. HOLTON, OF LOS ANGELES, CALIFORNIA.

## AIR-BRUSH.

1,166,522.

Specification of Letters Patent.

Patented Jan. 4, 1916.

Application filed February 12, 1915. Serial No. 7,875.

*To all whom it may concern:*

Be it known that I, BIRCHARD E. HOLTON, a citizen of the United States of America, residing at Los Angeles, county of Los Angeles, State of California, have invented a certain new and useful Air-Brush; and I 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.

This invention relates to air brushes, more particularly to air brushes especially adapted to apply paints, lacquers, etc.

One object of the invention is to provide the air brush with a novel and improved construction by which the air chamber is adjustably and detachably mounted on the cover for the jar which contains the paint or lacquer.

Another object of the invention is to provide a novel and improved air brush in which the valve is arranged directly above the handle of the air brush where it can be operated without tiring the thumb or fingers of the operator.

Further objects of the invention are to provide a novel and improved air brush of the nature specified which is simple in construction, economical to manufacture and use, attractive in appearance, easy to manipulate, and convenient and effective in operation.

Other objects and the advantageous features of the invention will be apparent to those skilled in the art from a careful consideration of the description of the preferred form of the construction embodying the invention, taken in connection with the accompanying drawings in which—

Figure 1 is a top plan view of the improved air brush; Fig. 2 is a longitudinal sectional view taken on the line 2—2 of Fig. 1; Fig. 3 is a broken cross-sectional view of the air brush taken on the line 3—3 of Fig. 2; and Fig. 4 is a broken sectional view of the air brush taken on the line 4—4 of Fig. 3.

The glass jar or other suitable container 5 has screwed thereon the cap or cover 6. The latter has thereon a pipe or duct 7 which extends downwardly in the jar 5 to convey paint or lacquer from the jar to the upright nozzle 8 which latter is adjustably screwed into the upper end of the pipe 7.

On the cover 6 is detachably mounted the

air chamber 9 which has thereon the horizontal nozzle 10 which latter has its mouth disposed adjacent to the mouth of the nozzle 8. The air chamber 9 preferably consists of the upper chamber 11 in communication with the lower chamber 12 through the passageway 13. As shown the air chamber 9 has thereon a plate or base 14 which latter is adjustably and detachably fitted between suitable guides on the cover 6; said guides preferably consisting of the post 15 on the cover 6—which post 15 is adapted to fit into the notch 16 in the plate 14—and the screw posts 17 mounted on the cover 6 at the sides of the plate 14. A thumbnut 18 may be screwed down on the post 15 to lock the plate 14 in adjusted position on the cover 6. A substantially horizontal pipe or duct 19 has one end thereof suitably secured to the air chamber 9, and it has on its other end a substantially vertical pipe or duct 20 which has its lower end fitted against a shoulder 21 in the upper end of the handle 22 which latter is spaced from, and extends substantially parallel to, the jar 5. Directly above the handle 22 is arranged in the duct 20 a valve 23 which has its stem 24 passing through the duct 20 and is provided with a button 25 screwed on the outer end of said stem. A pipe or duct 26 passes through the handle 22 and has one end connected to the duct 20 and has on its other end a jam nut 27 screwed against the lower end of the handle 22. A spring 28 may be arranged to press against the valve 23 to insure closing of said valve in case the air under pressure should fail to close it when the button 25 is released. A flexible conduit 29 has one end thereof suitably connected to the pipe 26 and has its other end connected with a source—not shown—of air under pressure.

From the foregoing the manner of use and the advantages of the improved construction will be understood by those skilled in the art.

It will be seen that the construction and arrangement of the valve 23 permits of the valve being operated without tiring the thumb or fingers of the operator. Also it will be seen that the improved construction permits of adjustment of the air chamber 9 on the cover 6, and it permits of readily detaching the air chamber and parts carried by the air chamber from the cover 6. With the improved construction, the covers 6 can be left on different jars 5 containing differ-



ent paints and lacquers, and the air chamber together with its air connections can be transferred at will from one jar to another. Where, as has been the case heretofore, the air chamber is not detachable from the cover 5 6, it is necessary to remove the cover along with the air chamber when the latter is to be transferred to another jar containing different paint or lacquer, and it then be- 10 comes necessary to thoroughly clean the pipe 7 and nozzle 8 of the paint or lacquer thereon as such paint or lacquer would change the color or cause deterioration of a different paint or lacquer in another of the jars.

15 I claim:

An air brush comprising a container, a cover therefor, a duct to convey lacquer from the container, said duct carried by the cover and having a nozzle thereon, an 20 air chamber provided with a nozzle thereon

having its mouth disposed adjacent to the mouth of the first mentioned nozzle, said air chamber being provided with a base plate, said base plate having a notch in one end portion thereof, a post mounted on the 25 cover and adapted to fit in said notch, a thumbnut fitted on said post, and guide posts on the cover adapted to engage the sides of the base plate and hold it in position. 30

In testimony whereof, I have signed my name to this specification in the presence of two subscribing witnesses at Los Angeles, county of Los Angeles, State of California, this 6th day of February A. D. 1915.

BIRCHARD E. HOLTON.

Witnesses:

MABEL W. ANDERSON,  
ALEX. H. LIDDERS.