

(No Model.)

M. J. PALSON.
MUCILAGE OR PASTE DISTRIBUTER.

No. 427,897.

Patented May 13, 1890.

Fig. 1.

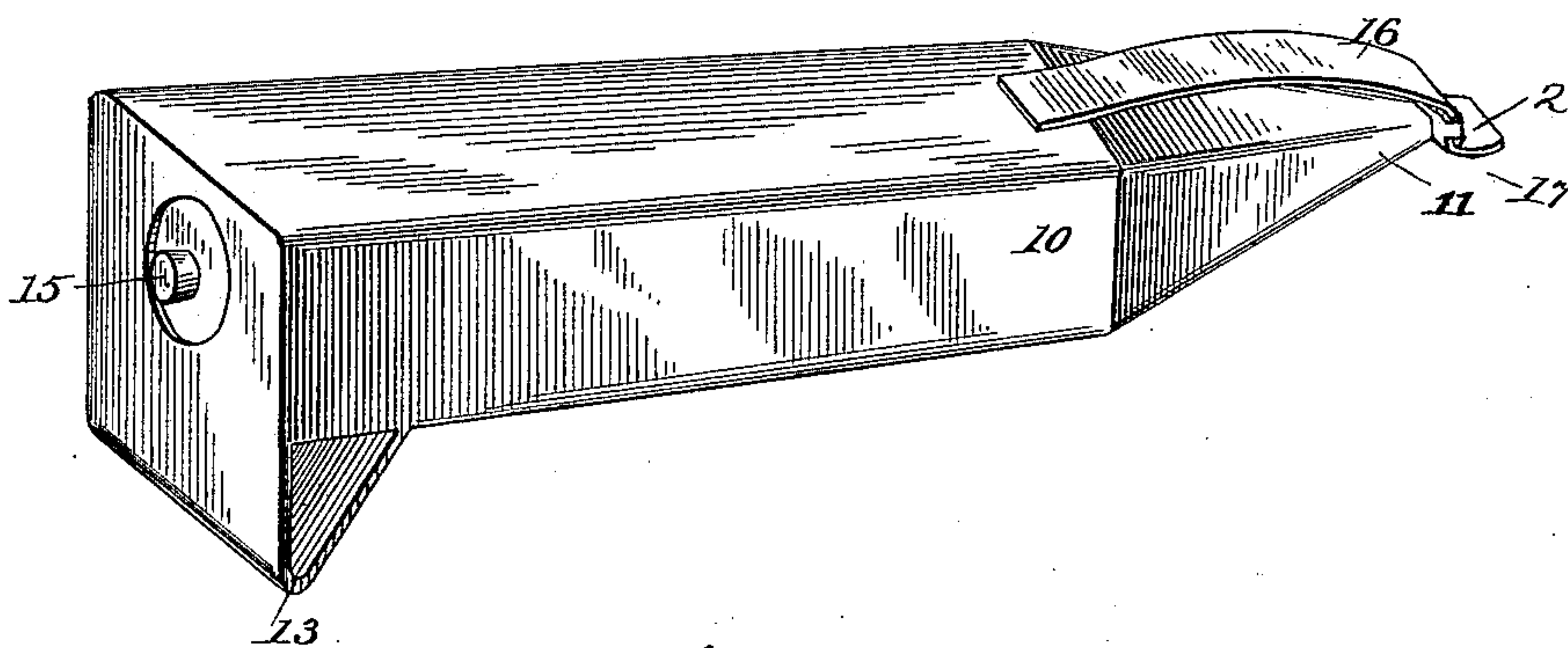


Fig. 2.

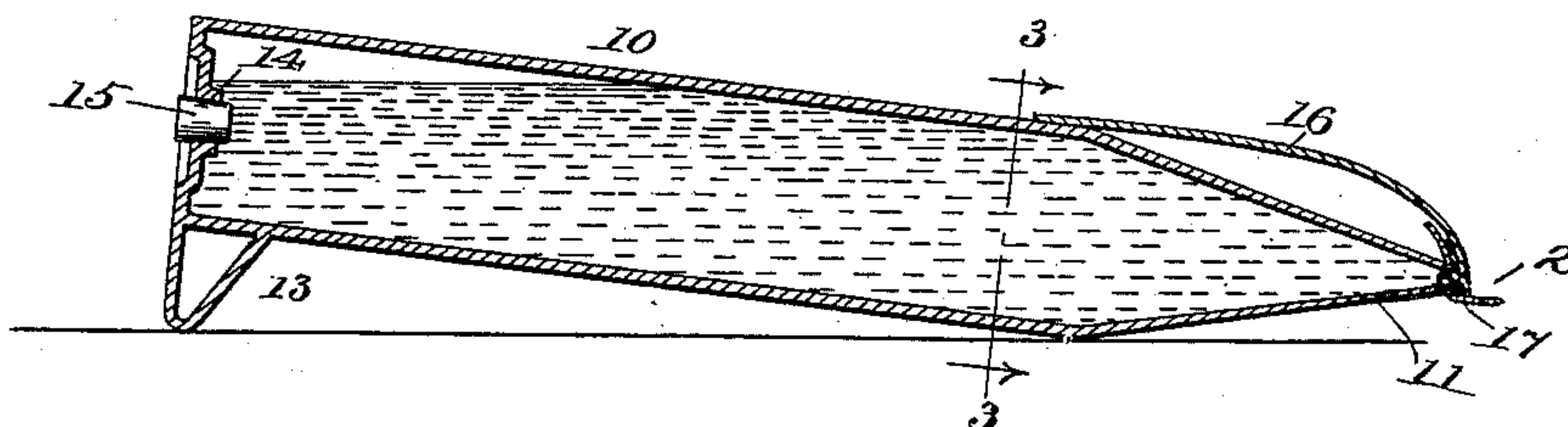


Fig. 6.

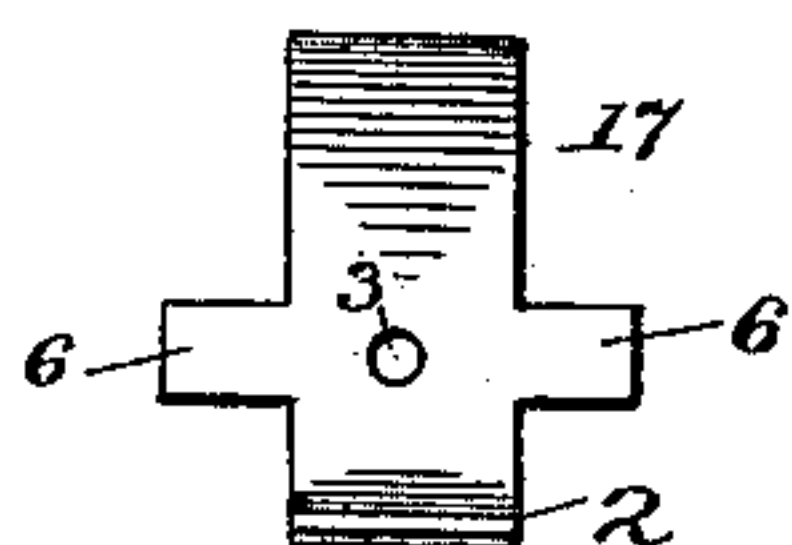


Fig. 3.

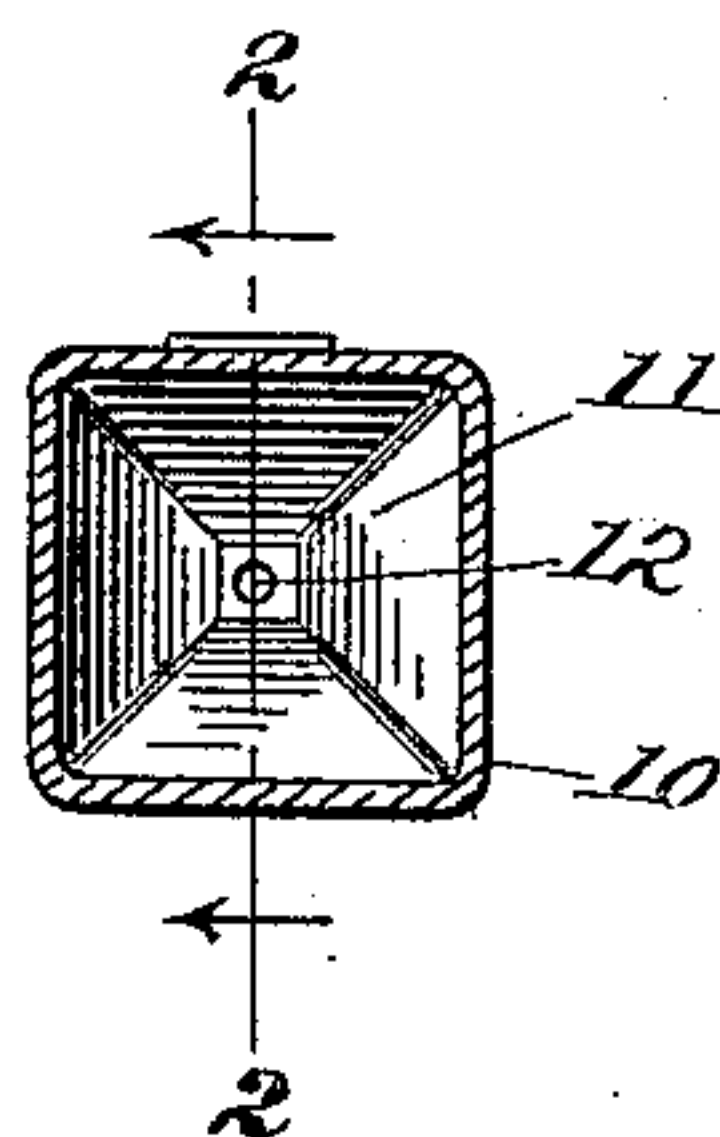


Fig. 5.

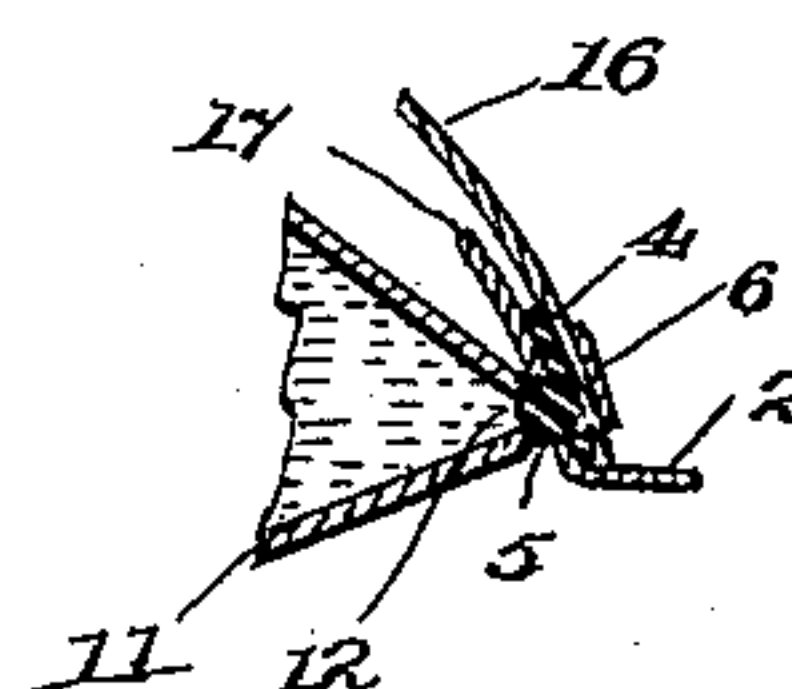
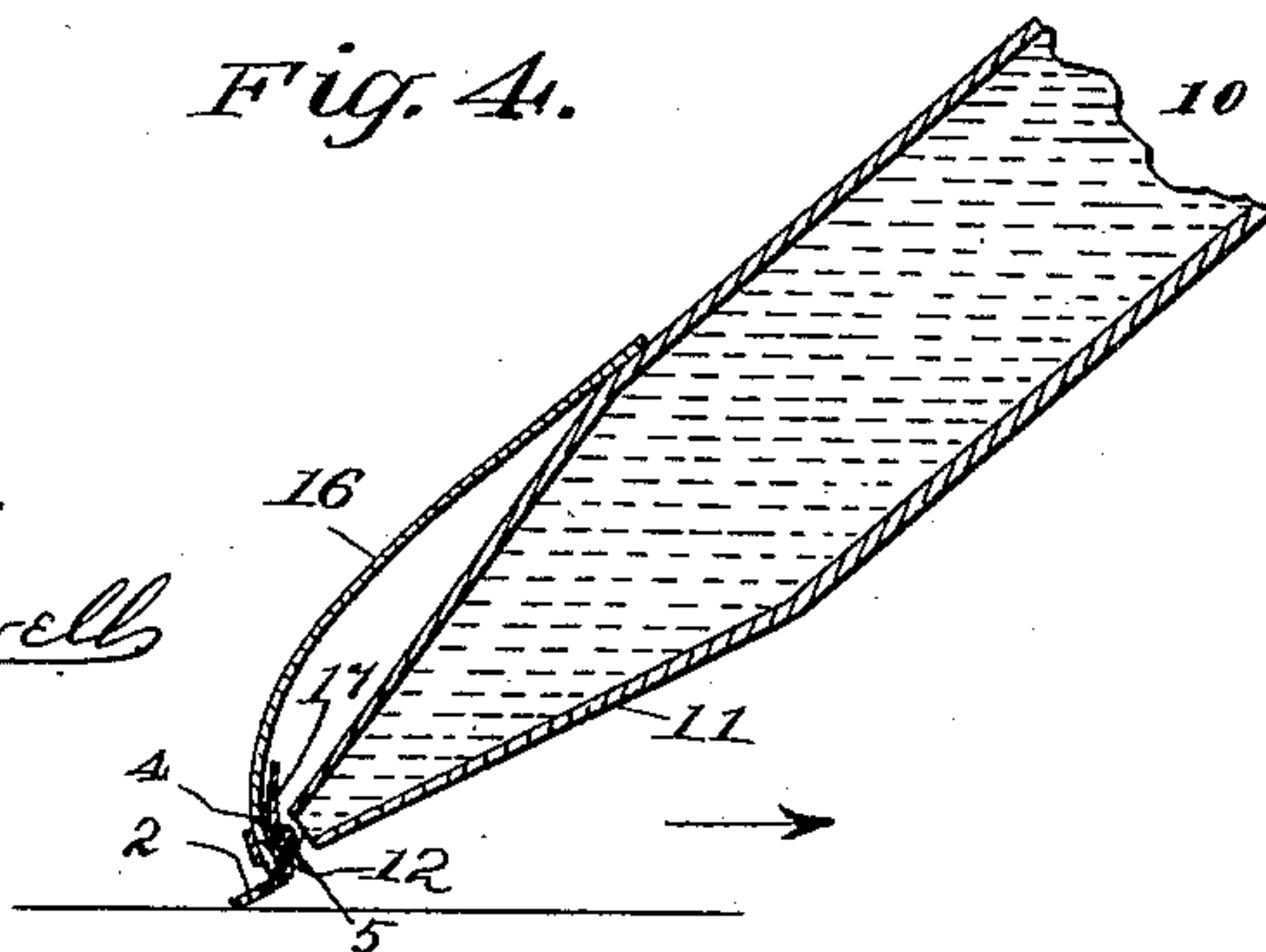


Fig. 4.



WITNESSES:

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UNITED STATES PATENT OFFICE.

MAGNUS J. PALSON, OF GLOUCESTER, MASSACHUSETTS, ASSIGNOR TO HIMSELF AND WILLIAM H. PERKINS, OF SAME PLACE.

MUCILAGE OR PASTE DISTRIBUTER.

SPECIFICATION forming part of Letters Patent No. 427,897, dated May 13, 1890.

Application filed September 16, 1889. Serial No. 324,006. (No model.)

To all whom it may concern:

Be it known that I, MAGNUS J. PALSON, of Gloucester, in the county of Essex and State of Massachusetts, have invented a new and Improved Mucilage or Paste Distributer, of which the following is a full, clear, and exact description.

This invention relates to mucilage, glue, or paste distributors, the object of the invention being to provide a distributer from which the material may be delivered by simple pressure and evenly spread upon the parts to be connected.

To the end named the invention consists of a vessel provided with a small eduction-port, a spring-spreader, and a rubber packing carried by the said spreader and normally held to close the eduction-port.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar figures of reference indicate corresponding parts in all the views.

Figure 1 is a perspective view of my improved mucilage or paste distributer. Fig. 2 is a central longitudinal sectional view thereof. Fig. 3 is a cross-sectional view on line 3 3 of Fig. 2. Fig. 4 is a sectional view, the parts being represented as they appear when the instrument is in use. Fig. 5 is a detail view of the delivery end of the distributer on an enlarged scale, and Fig. 6 is an enlarged view of the foot.

In the drawings, 10 represents a vessel formed with a contracted end 11, in which there is a small eduction-port 12. At the other end of the vessel 10, I arrange a step 13, and in this end of the vessel, or at any other convenient point, I form an induction port or opening 14, that is normally closed by a plug or stopper 15.

To the top of the vessel 10, I connect a spreader consisting of a spring 16, which extends forward and downward in advance of the eduction-port. To that portion of the under side of the spring 16 which would otherwise rest against the contracted end 11 of the vessel 10, I secure a foot 17, which is forwardly bent, as shown at 2. The foot 17 is provided with an aperture 3, which, when the

foot is in position, aligns the orifice 12, and between the foot and end of the spring I place a strip of soft rubber 4, so that when the foot is secured in place the rubber protrudes through the aperture 3 in the shape of a rounded projection 5, which will act as a valve to close the orifice 12. The foot may be secured to the spring in any preferred way. As illustrated, it is provided with ears 6, which are bent around the spring, as shown most clearly in Fig. 1, thereby clamping the rubber in place. After mucilage, glue, or other viscid material has been placed within the vessel 10 it may be spread as desired by grasping the vessel and holding it in the position in which it is shown in Fig. 4, a slight downward pressure carrying the foot from the point, thus opening the eduction-port and permitting the liquid to flow drop by drop from the vessel, to be spread upon the paper as the instrument is drawn in the direction of the arrow shown in connection therewith in Fig. 4.

In Fig. 2 the implement is represented as it appears when not in use, and an inspection of said figure will show that the liquid bears directly against the rubber valve, and consequently there is no chance of air entering about the eduction-port and acting to harden the glue, and thus effectually close the port, and, as I make the port 12 very small, but a small quantity of the liquid is discharged, and this quantity will be evenly spread by the point 2 of the foot 17 without exuding in ridges at either side of said point.

The body of the distributer may be round or other shape in cross-section.

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

1. A spring-spreader for mucilage-distributers, consisting of a spring, an apertured foot secured to the free end of the spring, and a piece of rubber clamped between the end of the spring and the foot and projecting through the aperture in the foot, substantially as shown and described.

2. A mucilage-distributer comprising a vessel provided with a contracted end having an eduction-port therein, a spring secured to the

vessel and extending forwardly and downwardly in front of the eduction-port, a spreader on the free end of the spring having a forwardly-projecting portion, and a valve on the
5 inner side of the said spring for closing the eduction-port, substantially as herein shown and described.

3. The herein-described mucilage-distributor, consisting of the vessel 10, formed with
10 the contracted end 11, having the eduction-port 12, and provided with the step 13, the

spring 16, secured to the vessel, the apertured spreader 17 on the free end of the spring and having the forwardly-projecting portion 2, and the rubber valve 4, secured between the
15 spring and spreader and projecting through the aperture of the said spreader, as specified.

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Witnesses:

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