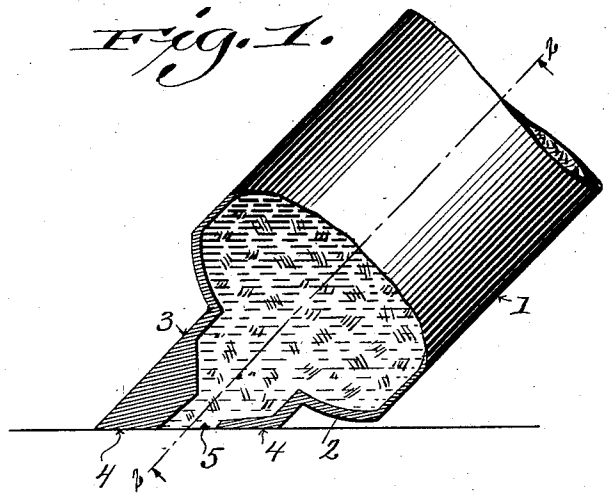
R. R. RITZ.

RECEPTACLE NOZZLE.

APPLICATION FILED NOV. 12, 1913.

1,171,654. Patented Feb. 15, 1916.

Fig. 1.



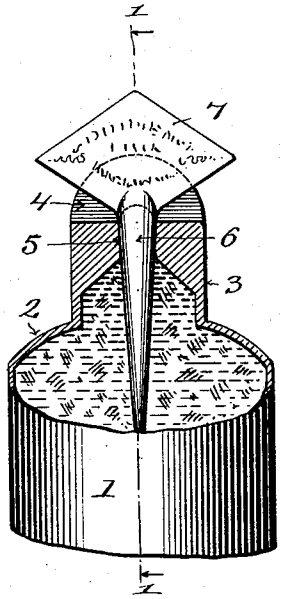


Fig. 2.

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THE COLUMBIA PLANOGRAPH CO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

ROBERT R. RITZ, OF MILWAUKEE, WISCONSIN.

RECEPTACLE-NOZZLE.

1,171,654. Specification of Letters Patent. Patented Feb. 15, 1916.

Application filed November 12, 1913. Serial No. 800,644.

To all whom it may concern:

Be it known that I, ROBERT R. RITZ, a citizen of the United States, and resident of Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented certain new and useful Improvements in Receptacle-Nozzles; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention refers to cap closures for receptacles for paste or analogous plastic adhesives, its object being to provide a simple, economical and effective spreader nozzle for such original packages, the same comprising essentially a tubular neck provided with an obliquely disposed apertured face-plate so arranged as to present an ironing surface for paste as it is discharged from the throat aperture or mouth, the vessel or receptacle serving as a handle when inverted, for the application of the liquid adhesive to the surface worked upon. It should be understood that when the receptacle nozzle is not in use its mouth is closed by a stopper or plug, which plug is preferably tapered and arranged to extend into the body of the paste to form, when removed, an unobstructed flow channel.

While I have shown a nozzle embodying my invention exemplified in connection with a container of the squeeze-tube type, it is manifest that the same may be utilized with equally efficient results in connection with a cap detachably or otherwise secured to a non-flexible receptacle, such, for example, as a glass bottle, earthenware jug or metallic vessel.

With the above objects in view the invention consists in certain peculiarities of construction and combination of parts as hereinafter set forth with reference to the accompanying drawings and subsequently claimed.

In the drawings Figure 1 represents a side elevation of a receptacle embodying the features of my invention, the same being shown inverted and in its working position with parts broken away and parts in section to illustrate details of construction, and Fig. 2, a detailed elevation showing a portion of the receptacle having a stopper fitted in the nozzle thereof.

Referring by characters to the drawings, 1 represents a receptacle of the squeeze-tube type provided with a cap 2 having a cylindrical neck 3 projecting therefrom, which neck is cut away obliquely and is closed by a correpsondingly angularly disposed face-plate 4, the same being formed with a centrally arranged discharged mouth 5. As a preferable construction, the interior walls of the face-plate 4 are inwardly tapered toward the centrally disposed mouth 5 for the purpose of facilitating the feed of paste equally from all sides of the tube, thus permitting a free, unobstructed exhaust of said material coincident to compression of the squeeze-tube.

The mouth 5 is closed by a plug 6, the same being in the form of an elongated wedge that is adapted to extend a considerable distance into the body of the paste to form, when removed, a flow channel therein, it being understood that the stopper or plug is provided with a winged extracting head 7, whereby the same can be conveniently manipulated without liability of the fingers of the operator coming in contact with pasty deposits upon the nozzle.

As shown in Fig. 1, when it is desired to coat an article with paste, the stopper being removed, the squeeze-tube is inverted and utilized as a handle, being manipulated similar to a brush or stylus, in which inverted position the obliquely arranged face-plate is at such an angle as to conveniently present a flat surface to the article receiving the paste. The tube is then squeezed and as the paste is expelled the obliquely disposed flat face of the nozzle is drawn over the surface, causing the paste to be distributed in a coat of even thickness and in a line as directed by the hand of the operator. It is also obvious that, owing to the fact that there are no crevices or corners in connection with the oblique face and nozzle edge, said ironing face can readily be cleansed of any pasty deposits after being used and thus the mouth of the receptacle nozzle can be kept clean and sanitary. After use, it is apparent that the stopper or plug is inserted through the mouth to form an air-tight closure for the contents of the receptacle.

I claim:

A distributer closure for receptacles comprising a nozzle terminating with an oblique

distributing face and provided with a bore taperingly reduced inwardly from said face to an intermediate point and then enlarged for communication with the interior of the receptacle.

In testimony that I claim the foregoing I have hereunto set my hand at Milwaukee in the county of Milwaukee and State of Wisconsin in the presence of two witnesses.

ROBERT R. RITZ.

Witnesses:
GEO. W. YOUNG,
M. E. DOWNEY.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."