

J. McI. BOONE.
CONTAINER FOR ADHESIVES AND THE LIKE.
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1,119,233.

Patented Dec. 1, 1914.

FIG. 1.

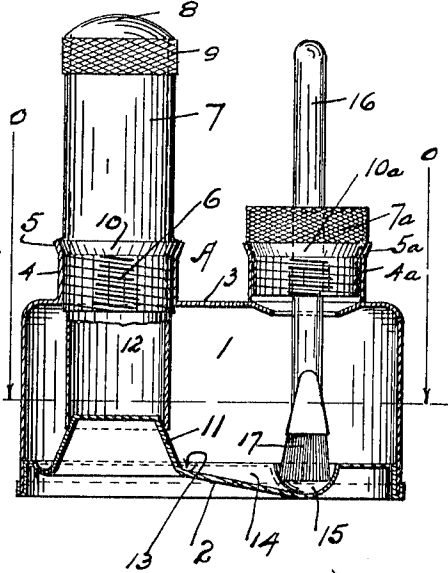


FIG. 2.

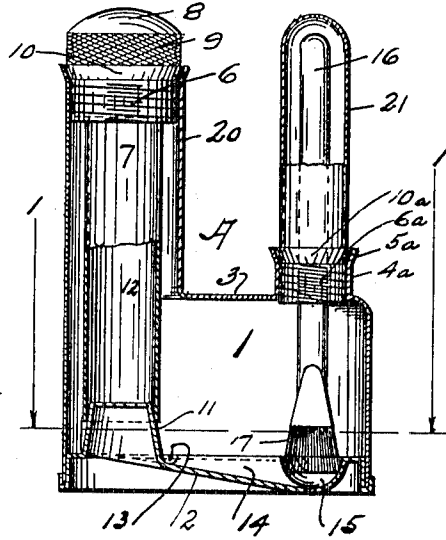


FIG. 3.

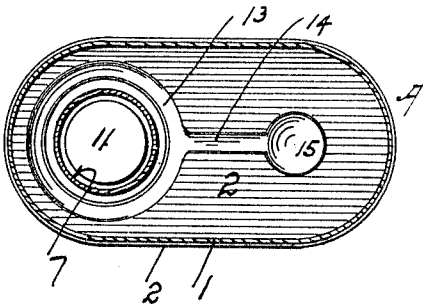


FIG. 4.

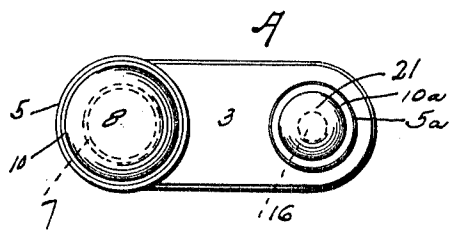
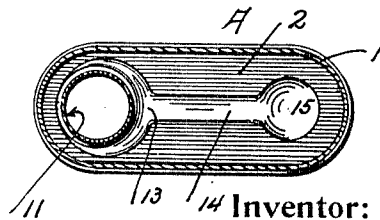


FIG. 5.



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CONTAINER FOR ADHESIVES AND THE LIKE.

1,119,233.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JAMES McINTOSH BOONE, a citizen of the United States, and a resident of the city of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Containers for Adhesives and the like; and I do hereby declare that the following description of my said invention, taken in connection with the accompanying sheet of drawings, forms a full, clear, and exact specification, which will enable others skilled in the art to which it appertains to make and use the same.

This invention has general reference to containers for adhesives and the like, and it consists, essentially, in the novel and peculiar combination of parts and details of construction, as hereinafter first fully set forth and described, and then pointed out in the claim.

In the drawings already referred to, which serve to illustrate my said invention more fully, Figure 1 is a vertical, longitudinal section of my device and, Fig. 2, a similar section of a slightly modified type of construction. Fig. 3 is a horizontal, longitudinal section in line O O of Fig. 1. Fig. 4 is a plan of Fig. 2, and Fig. 5, a section thereof in line 1 1 of said Fig. 2.

Like parts are designated by corresponding characters or symbols of reference in all the figures of the drawing.

The object of my invention is the production of a simple, neat, and efficient container for mucilage or other liquid adhesive for office, desk, or general use, in which the contained adhesive will be maintained in its original liquid condition and prevented from drying up and becoming useless.

Many of the large package transportation concerns have now adopted regulations compelling their drivers or collectors to affix, by brush, certain labels to packages picked up by them, and it is an additional object of my invention to produce such a container, provided with a suitable brush, which container may be carried about in the pocket of the driver or collector, without danger of leakage of its contents. To attain this result, I produce my container in the form of a more or less rectangular body A, having a preferably continuous side 1, a bottom 2, and a top 3. Said top and side may be integrally formed from sheet metal in the well known process of drawing, with

the bottom 2 edged over and soldered to said side as shown in Figs. 1 and 2, or, the said body A may be formed entirely in one piece from molded glass, china, pottery ware, or analogous substances, as seems most desirable.

In the top 3 is formed a circular opening provided with an upwardly projecting rim or flange 4, which flange is flared outwardly at its upper extremity, as at 5. Said flange is internally screw threaded to engage an externally screw threaded portion 6 of a cylindrical and tubular shell 7. This shell is closed at its upper end 8, and has adjacent thereto, an externally knurled part 9, whereby said shell may easily be rotated and screwed into the flange 4. Directly adjacent the screw threaded portion 6 of shell 7, there is provided an outwardly flaring, annular seat 10, adapted to engage the flared portion 5 of the flange 4, so that when said shell is screwed home, an air tight joint is there created.

The open, lower end of shell 7 projects downwardly into the interior of the body A, and is engaged by a conical, upwardly extending protuberance 11 of the bottom 2, which protuberance is so arranged as to tightly close the lower end of said shell 7 when the latter's flaring seat 10 is seated on flaring portion 5 of flange 4. It may now be explained that interior 12 of the shell 7 forms the container for the liquid mucilage or other adhesive, and when it is desired to allow some of the contents of said shell to flow therefrom, all that is required is to slightly rotate the same in the reverse direction, as easily comprehended, whereupon said adhesive will issue and flow downwardly along the side of the conical protuberance 11 to the bottom 2. Formed in said bottom 2, and entirely or partially surrounding the base of conical protuberance 11, there is a groove 13, which groove communicates with a downwardly inclined channel 14, in said bottom, said channel terminating in a well or depression 15, also formed in the bottom 2. It will now be observed that mucilage or the like flowing from the shell 7, will gather in groove 13, will gravitate through channel 14, and will finally collect in well or depression 15.

Located in top 3, perpendicularly above well 15, is a second opening surrounded by an internally threaded flange 4^a, engaging an externally threaded stopper 7^a, which

stopper has a seating 10^a, engaging a flared portion 5^a, of the flange 4^a, to insure a tight joint. Stopper 7^a is centrally punctured to receive a brush handle 16, which is soldered
 5 or otherwise rigidly attached to said stopper. The lower or bristle end 17, of said handle 16, is intended, when the stopper 7^a is tightly screwed home, to project into the well 15, hereinbefore described, and to pick
 10 up such adhesive or a portion thereof, as is therein contained.

Attention is now directed to the fact that the only adhesive directly contained within the interior of the body A is that small
 15 quantity residing in the well 15, the capacity of which is only a few brushfuls. When this is exhausted, an additional supply may be secured by slightly unscrewing shell 7 as already disclosed. In this manner
 20 there is never contained directly within the body A sufficient adhesive to cause annoyance by drying up and becoming hard and useless.

The method of filling my device with suitable adhesive may now be described as follows:—Assuming the interior 12 of the shell
 25 7 to be empty, the latter is retracted from the body A, the stopper 7^a, meanwhile, being retained in position. Shell 7 is then filled, after which the body A is inverted and said
 30 shell screwed upwardly into the same until the open end thereof tightly engages protuberance 11, when the device is ready for further use.

35 In Figs. 2, 4, and 5 I illustrate a slight modification of my device in that the top 3 is provided with an upwardly pointing, tubular extension 20, for the reception of the

shell 7, and, the stopper 7^a, with a tubular, closed-ended shell 21, to accommodate the
 40 brush handle 16. This construction is somewhat preferable for certain purposes, but is a mechanical equivalent to the structure illustrated in the other figures of the drawing. Instead of employing the screw
 45 threaded portions of shell 7 and stopper 7^a, I may use so-called bayonet catches, which will perform the same functions in a like manner.

Having thus fully described my invention, I claim as new and desire to secure to myself by Letters Patent of the United
 States:—

An adhesive container including a body comprising sides, a top, and a bottom, there
 55 being an opening in said top, a tubular shell, closed at its upper end and open at its lower end, projecting through said opening into said body, means on said top engaging said
 60 shell to permit vertical adjustment thereof, a conical, upwardly projecting protuberance on said bottom engaging the open end of said shell, a groove at the base of said
 65 protuberance, a channel connecting therewith, and a well communicating with said channel, there being in said top, perpendicularly above said well, an opening to receive
 a brush, and means for closing said opening.

In testimony whereof I have hereunto set
 my hand in the presence of two subscribing
 70 witnesses.

JAMES McINTOSH BOONE.

In the presence of—

W. HARDING,

WILLIAM O. STACK.

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