June 18, 1946. A. H. BEAUMIER 2,402,310

MEANS FOR DISPENSING LATEX AND THE LIKE

Filed March 24, 1942

Fig. 1.

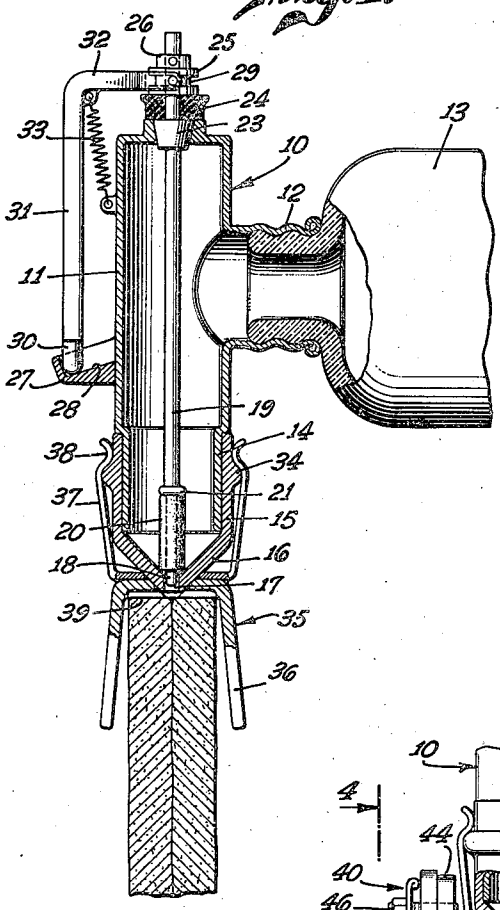
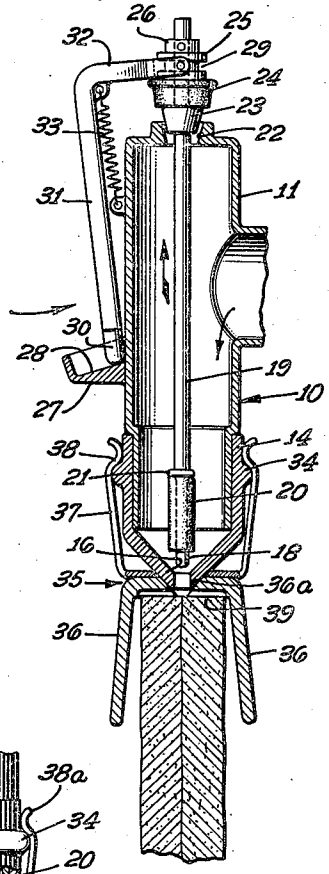


Fig. 2.



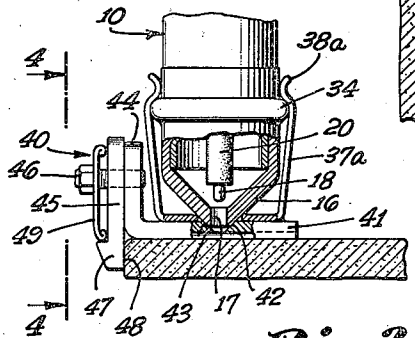


Fig. 3.

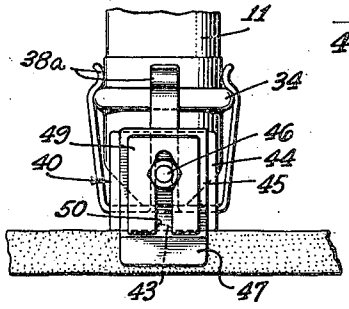


Fig. 4.

AUSTIN H. BEAUMIER,
INVENTOR.

BY
C. Lauren Maloby
ATTORNEY.

Patented June 18, 1946 2,402,310

UNITED STATES PATENT OFFICE

2,402,310

MEANS FOR DISPENSING LATEX AND THE LIKE

Austin H. Beaumier, North Hollywood, Calif.

Application March 24, 1942, Serial No. 435,957

4 Claims. (Cl. 91—62.5)

1

This invention relates to dispensers and more especially to a dispenser for latex and similar materials.

An object of the invention is to provide a simple, practical and inexpensive article of the character described.

Another object of the invention is to provide an improved and more efficient means of dispensing latex and similar viscous materials having fast drying properties.

An additional object is to provide a guide attachment for a dispenser adapted for efficient application of cementitious material to the edge portions of fabric such as carpeting.

Other objects and advantages will appear and be brought out more fully in the following specification, reference being had to the accompanying drawing, wherein:

Fig. 1 is a sectional view of a dispenser and guide attachment embodying my invention.

Fig. 2 is a similar view showing the dispenser in operative position.

Fig. 3 is a fragmentary view partly in section showing the dispensing nozzle and a modified form of guide attachment, and

Fig. 4 is a view of the same as seen from the line 4—4 of Fig. 3.

Referring more particularly to the drawing I show a dispenser 10 having a generally cylindrical portion 11 and a threaded neck 12 for connection to the neck of a container 13 or other reservoir of liquid or viscous latex or similar cementitious material. Cylindrical portion 11 has an annular end portion 14 recessed to receive and hold a tapered nozzle member 15 having a tapered nozzle 16 provided with a dispensing aperture 17 adapted to receive the end portion 18 of a rotatable valve stem or plunger 19.

A rubber or other resilient valve sleeve 20 is positioned on stem 19 and held by a shoulder 21. Cylindrical portion 11 is provided with a conical bleeder valve aperture 22 to receive a conical valve portion 23 of stem 19, and a resilient valve collar 24 is retained against valve portion 23 by a lifting collar 25 secured on stem 19 as by retaining collar 26. An angular cam member 27 extends from cylindrical portion 11 and is provided with an inclined cam recess 28 adapted to receive the end portion 30 of a valve actuating member 31. Member 31 has an angularly extending yoke 32 which engages a groove 29 in lifting collar 25 and a spring 32 is secured between cylindrical portion 11 and member 31.

By this construction it will be apparent that when member 31 is actuated from the position

2

of Fig. 1 to that of Fig. 2 by squeezing when held in the hand, the valve stem 19 will be raised because of the inclination of cam recess 28, and the dispensed material such as latex will be permitted to flow through dispensing aperture 17. Also, valve portion 23 will be raised from bleeder valve 22 and permit entrance of air into cylinder 11 to facilitate the flow of the dispensed material.

In Figs. 1 and 2 I show a guide tube attachment 35 comprising a U-shaped strap member 36 having a conical dispensing aperture 36a adapted to register with taper 16 and a plurality of spring clips 37 having retaining bent end portions 38 which have a snap-on engagement with an annular shoulder 34 on nozzle member 15. As shown in Figs. 1 and 2 guide attachment 35 provides guide means for dispensing latex or the like to the edge portions 39 of fabric or similar articles such as carpeting.

In Figs. 3 and 4 I show a modified form of guide attachment 40 comprising a plate member 41 having a conical dispensing aperture 42 and a groove 43, and an angularly disposed end portion 44. A retractable guide piece 45 is rotatably secured to end portion 44 by a bolt 46 and has a shouldered end portion 47 adapted to extend over the edge portion 48 of a flat material to guide the dispenser when applying the dispensed material along the surface portion thereof adjacent the edge. A spring 49 is provided with a slot 50 by which it is secured between the head of bolt 46 and guide piece 45 so as to resiliently hold piece 45 against end portion 44. It will thus be apparent that the guide attachment 40 permits dispensed material to be guided over a flat surface or along an edge portion thereof by using a guide piece 45 as shown, or guide piece 45 can be rotated so that end portion 47 is above the lower edge of plate member 41.

It should be clear from the foregoing description that the dispenser shown and described is adapted to a wide variety of uses for applying latex or similar material to fabrics or other articles, and may have an important military value such as in the fabrication of such articles as parachutes and the like.

Having described my invention what I claim is:

1. A dispenser as described comprising a tubular body having a dispensing aperture at one end and a bleeder aperture at the other end, a valve plunger for said apertures, and manually operable actuating means for said plunger, said means including a bar disposed along a portion of said body in spaced relation thereto, and hav-

ing a cam engagement therewith, and a spring to retain said bar in engagement with said body and plunger.

2. A dispenser as described comprising a tubular body having a dispensing aperture at one end and a bleeder aperture at the other end, a rotatable valve plunger for said apertures, and manually operable actuating means for said plunger, said means including a bar having a cam engagement with said body and a yoke engagement with said plunger, said body having an angularly disposed cam extension.

3. An applicator guide attachment for a dispenser as described, having a tapered nozzle, comprising a guide member having a tapered aperture for said nozzle and resilient means to secure said attachment to said dispenser.

4. An applicator guide attachment for a dispenser as described, having a tapered nozzle, comprising a guide member having a tapered aperture for said nozzle and resilient means to secure said attachment to said dispenser, an angular lateral extension, a guide member being associated therewith, and means to provide retraction of said guide member.

AUSTIN H. BEAUMIER.