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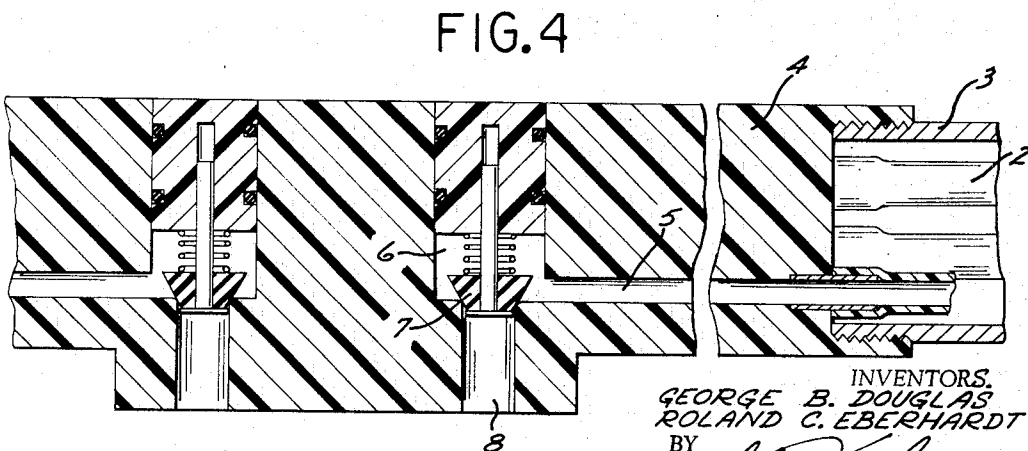
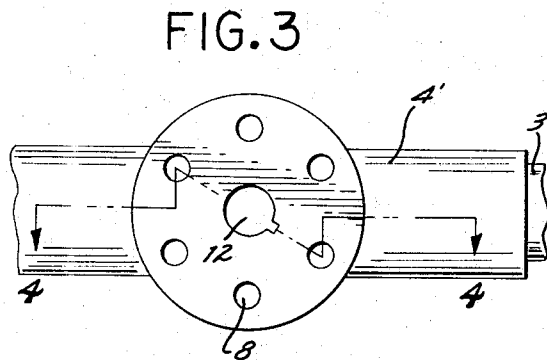
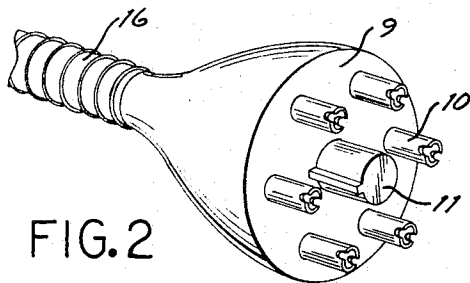
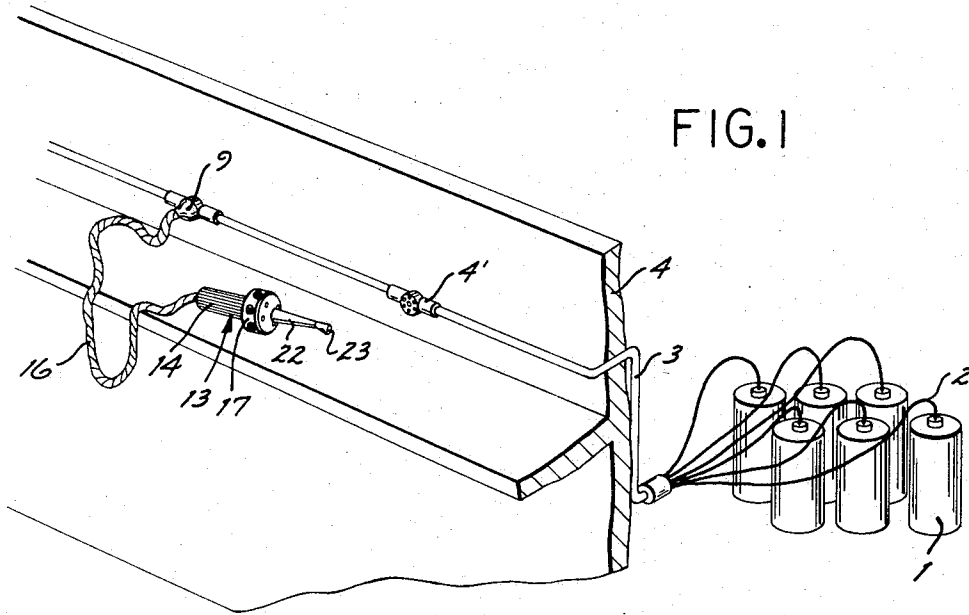
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3,357,599

COMMERCIAL TYPE HAIR LOTION APPLICATOR

Filed Feb. 11, 1966

2 Sheets-Sheet 1



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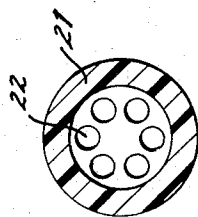
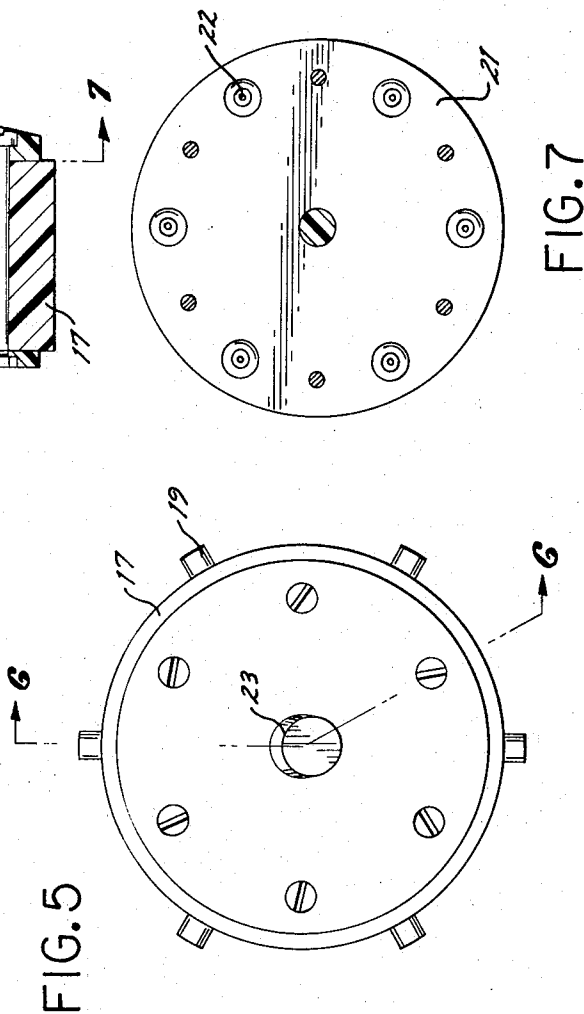
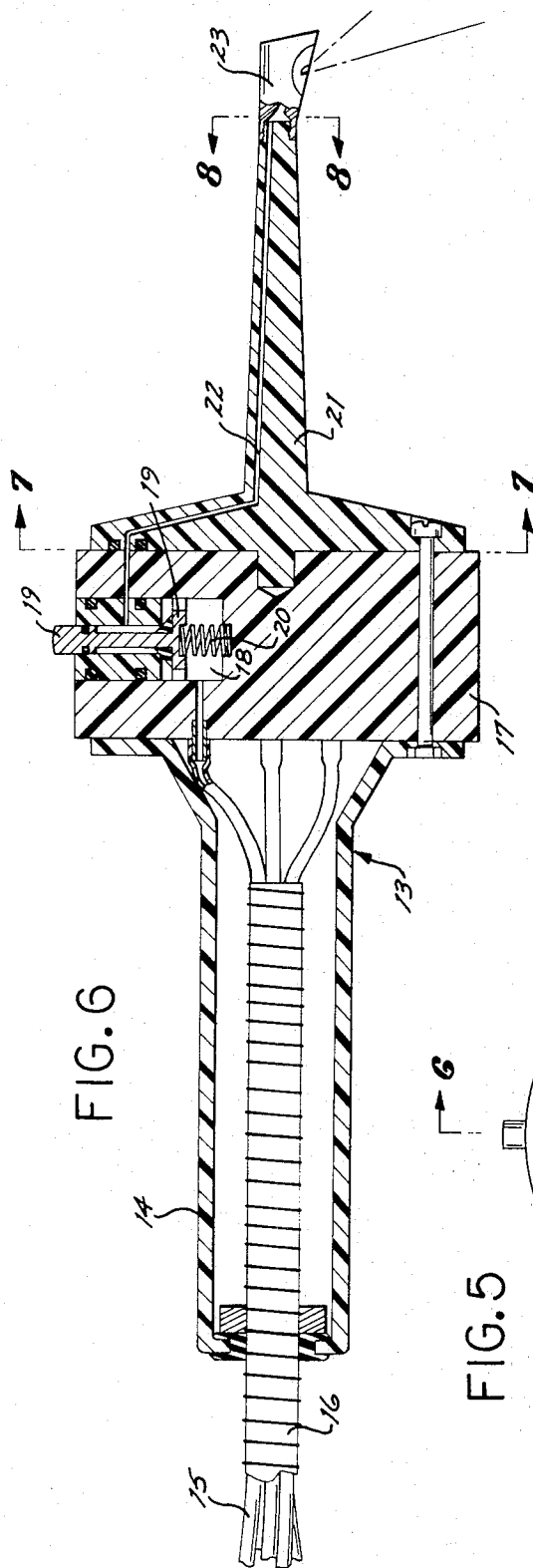
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COMMERCIAL TYPE HAIR LOTION APPLICATOR

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Filed Feb. 11, 1966, Ser. No. 526,885
3 Claims. (Cl. 222-144.5)

ABSTRACT OF THE DISCLOSURE

In a commercial type hair lotion applicator as used in beauty parlors, the operator applies various products to the hair while working on the patron. A detachable and movable coupling engages a control fitting which is attached to pressurized containers in which various hair preparations are stored. The coupling opens valve means in a control fitting, thus admitting the hair product to a wand; the wand, in turn, having separate valves which are manually operated, and which can eject different types of hair preparations from the same wand.

This invention relates to a commercial type hair lotion applicator whereby a plurality of cosmetic lotions or hair preparations can be carried to a hand controlled wand, so that the commercial operator can have various preparations and lotions in her control so that any one or more may be applied to the customer's hair.

An object of our invention is to provide a commercial type applicator which includes a plurality of pressurized containers in which various hair lotions or cosmetics are contained, and each of these pressurized containers being attached to a tube or conduit through which the cosmetic or lotion is forced. The beauty operator then can attach her dispensing wand to the conduits, and separate valves will permit anyone of several lotions or preparations to be applied to the hair of the customer.

Another object of our invention is to provide a novel commercial type applicator of the character stated, in which a plurality of wall outlets are provided, all of which are connected to several pressurized containers by means of separate conduits, and the operator being able to attach her applicator or wand to anyone of several wall stations arranged at intervals within the business establishment.

Another object of our invention is to provide a novel commercial type applicator of the character stated, in which the operator has individually controlled valves which control the pressurized flow of cosmetic or hair lotion to the wand which is carried in the hand of the operator.

Other objects, advantages and features of invention may appear from the accompanying drawings, the subjoined detailed description and the appended claims.

In the drawings:

FIGURE 1 is a diagrammatic perspective view of our commercial type applicator installation.

FIGURE 2 is a perspective view of one of the removable wall connections.

FIGURE 3 is a front elevation of one of the wall outlets.

FIGURE 4 is an enlarged sectional view taken on line 4-4 of FIGURE 3.

FIGURE 5 is a front elevation of a control wand.

FIGURE 6 is an enlarged sectional view taken on line 6-6 of FIGURE 5.

FIGURE 7 is a sectional view taken on line 7-7 of FIGURE 6.

FIGURE 8 is a sectional view taken on line 8-8 of FIGURE 6.

Referring more particularly to the drawing, the numeral

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1 indicates a plurality of pressurized containers in each of which a different type of cosmetic or hair lotion is carried under suitable pressure. Each container 1 is provided with an outlet tube or hose 2 which extends to a pipe or other conduit 3, which preferably extends horizontally along a wall 4 of the hair dressing shop. At intervals throughout the length of the pipe 3 we provide control fittings 4' into which all of the conduits 2 extend, that is, the fittings 4' are provided with suitable ports or fluid passages 5. Each of the passages 5 extends into a valve chamber 6 in which a spring pressed valve 7 is mounted. An outlet port 8 extends from each of the chambers 6 and is controlled by the valve 7, as shown in FIGURE 4. Thus when the valve 7 is depressed, fluid will flow from one of the conduits 2 into the outlet 8. A releasable coupling 9 is provided with a plurality of tubular prongs 10, which are adapted to accurately fit into the outlets 8. When the coupling 9 is inserted in the fitting 4', and when the prongs 10 extend into the outlets 8, the valves 7 will all be depressed, thus permitting fluid to flow from the pressure vessels 1 and thence into the operator's controlled wand, as will be subsequently described. A shapel alignment pin 11 may be provided on the coupling 9, and this pin fits a hole or recess 12 in the fitting 4' so that the prongs 10 will extend into only one of the holes 8, thus permitting the operator to determine the proper fluid to apply to the head of the customer by means of controlled valves in the control wand 13.

The control wand 13 includes a hollow handle 14 into which a plurality of flexible tubes or conduits 15 extend. The conduits 15 are assembled in a tubular bundle, as shown at 16, and extend from the coupling 9 into the handle 14. A valve housing 17 is fixedly mounted on one end of the handle 14, and this valve housing includes a plurality of valve chambers 18 into each of which one of the tubes 15 extend. A valve 19 is mounted in the chamber 18 and the spring 20 urges this valve into its closed position. A wand or tip 21 is mounted on the head 17, and this tip is provided with outlet conduits 22, each of which extend from one of the valve chambers 18. The conduits 22 extend from the valve chamber 18 at one end to the spray tip 23, which is mounted at the outer end of the wand 21. Thus when the valve 19 is depressed by the operator, fluid will flow past this valve into the duct 22, and thence will spray out of the tip 23 as required by the operator. Since there are a plurality of valves 19 projecting from the valve housing 17, the operator can select any one which she desires, and the required fluid will flow out of the tip 23 from the appropriate container 1. The outlet port in the tip 23 can be shaped or sized as required for the particular job requirements. The various valves 19 can be differently colored so that the operator will know the particular fluid which is to be sprayed from the tip 23.

Having described our invention, we claim:

1. A commercial type hair lotion applicator comprising a plurality of pressurized containers, an outlet tube extending from each of the containers, a control fitting, said tube extending into the control fitting, valve means in said control fitting, a coupling, means on the coupling engageable with the valve means to actuate the same, a wand including a valve housing having a valve chamber therein, a manually operable valve in said valve chamber, a flexible conduit extending from the coupling to said valve chamber, a tip extending from the wand, said tip having a duct therein extending from the valve chamber to the outer end of said tip, a separate valve means in the control fitting for each of said tubes, and said coupling having separate means therein engageable with one of the valve means in the control fitting.

2. A commercial type hair lotion applicator compris-

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ing a plurality of pressurized containers, an outlet tube extending from each of the containers, a control fitting, said tube extending into the control fitting, a valve means in said control fitting, a coupling, means on the coupling engageable with the valve means to actuate the same, a wand including a valve housing having a valve chamber therein, a manually operable valve in said valve chamber, a flexible conduit extending from the coupling in said valve chamber, a tip extending from the wand, said tip having a duct therein extending from the valve chamber to the outer end of said tip, a separate valve means in the control fitting for each of said tubes, and said coupling having separate means therein engageable with one of the valve means in the control fitting, said wand including a separate manually operable valve for each flexible conduit extending from the coupling to said wand, and said tip having a separate duct therein for each of the manually operable valves in the wand.

3. A commercial type hair lotion applicator comprising a plurality of pressurized containers, an outlet tube extending from each of the containers, a control fitting, said tube extending into the control fitting, valve means in said control fitting, a coupling, means on the coupling engageable with the valve means to actuate the same, a

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wand including a valve housing having a valve chamber therein, a manually operable valve in said valve chamber, a flexible conduit extending from the coupling to said valve chamber, a tip extending from the wand, said tip having a duct therein extending from the valve chamber to the outer end of said tip, a separate valve means in the control fitting for each of said tubes, and said coupling having separate means therein engageable with one of the valve means in the control fitting, said means on the coupling engaging the valve means, including a plurality of hollow spaced prongs on the coupling, and said flexible conduit extending from each of the prongs in the coupling to a valve chamber in the wand.

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