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(54) Title: IMPROVED LIQUID DISPENSER FOR DISPENSING FOAM

(57) Abstract

There is disclosed a foaming device for dispensing foam. The device includes a collapsible liquid container (30) and a foam pump (36) attached to the container outlet. The foam pump includes two enclosures (40, 86), the first (40) being bonded in the throat (34) of the container and the second (86) being telescopically received in the first with a flexible seal (94) mounted on the second enclosure (86) to provide an air tight seal. When assembled, the two enclosures define an air chamber (104) and a fluid chamber (50, 70) each having outlets which merge by the foamer outlet. The fluid chamber accepts liquid from the container and when the second member (86) is moved with respect to the first member (40) the fluid chamber is pressurized to open an outlet valve (71) and air is simultaneously expelled through the outlet. The liquid and air commingle as they pass through a wire, plastic or fabric mesh (84) thereby forming the foam. There is included a dispenser housing for releasably receiving the collapsible liquid container and foam pump. The dispenser includes a push button pivotally attached thereto which is coupled to the second enclosure so that as the push button is moved the pump is actuated. The foaming device can be used in any orientation and air is prevented from contacting the solution contained in the bottle (30).

