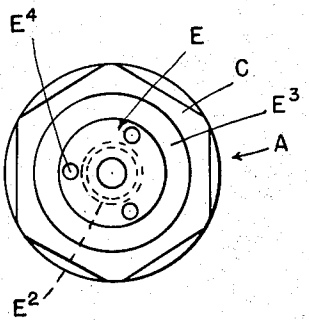
Dec. 25, 1956 E. A. TAYLOR 2,775,363

VENTED CLOSURE PLUG

Filed July 5, 1955

FIG.2.



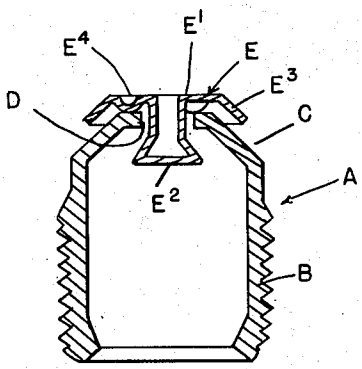


FIG.1.

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VENTED CLOSURE PLUG

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4 Claims. (Cl. 220—44)

The invention relates to vented closure plugs adapted for use in various places where it is desirable to close an aperture against entrance of dust or dirt and at the same time to permit breathing of air. It is the object of the invention to obtain a construction which can be manufactured at low cost and which effectively guards the breathing of air passage. To this end the invention consists in the construction as hereinafter set forth.

In the drawings:

Fig. 1 is a central longitudinal section through a closure plug of my improved construction;

Fig. 2 is a top plan view thereof.

The plug A is a hollow cup-shaped construction which is externally threaded in its lower portion B, while its upper portion C is frustoconical formed with a central aperture D in its top portion. Covering this aperture is an umbrella cap-shaped member E preferably formed of pressed sheet metal. This member has centrally thereof a depressed cupped portion E^1 which forms a stem passing through the aperture D of a smaller diameter so as to provide clearance for the passage of air. To retain the member E from disengagement, the lower end portion of the cup E^1 is upset to form a head E^2 larger in diameter than said aperture. The peripheral portion of the member B has a depending conical flange E^3 which is parallel to the frustoconical portion C but spaced therefrom. The cap member E is also provided with spaced depressed

knob-like portions E^4 which rest upon the top of the frustoconical portion surrounding the aperture D and hold the cap slightly spaced above the same. Thus, the depending peripheral flange E^3 will form an effective guard against entrance within the plug of dust or dirt while not interfering with the free passage of air.

While I have described the cap as formed of pressed sheet metal, it is obvious that it could be formed of any suitable material.

What I claim as my invention is:

1. A hollow plug having a frustoconical upper portion with an aperture through the top thereof, an umbrella cap covering said aperture and depending about the conical portion of said plug, being also provided with a depending stem portion passing through said aperture and headed at its lower end to prevent withdrawal, said cap having a plurality of spaced downward projections for resting on the top of said plug and holding the intervening portions slightly spaced therefrom.

2. The construction as in claim 1 in which said cap is formed of pressed sheet material with a cupped central portion of relatively small diameter forming said stem and upset at its lower end to form a retaining head.

3. The construction as in claim 2 in which said depending portions are downwardly pressed knobs.

4. The construction as in claim 1 in which said plug is inverted cup-shaped having a frustoconical upper portion centrally apertured in the top thereof, said cap having a flaring down turned flange parallel to said conical portion and slightly spaced therefrom.

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