Sept. 10, 1957 G. H. BUDGE 2,805,617

VENT CAP ASSEMBLY

Filed March 16, 1956

FIG-1

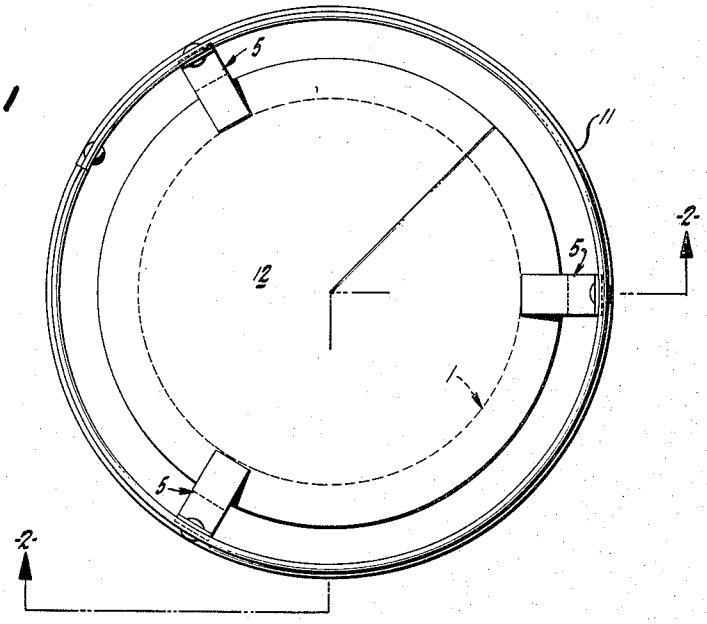
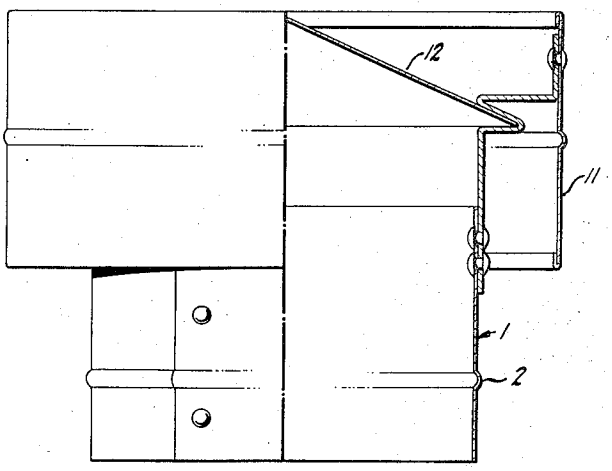


FIG-2



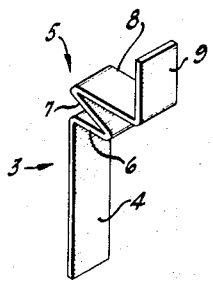


FIG-3

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VENT CAP ASSEMBLY

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1 Claim. (Cl. 98—84)

This invention relates to, and in general has for its object the provision of a ventilator cap assembly.

More specifically, this invention has for its object the provision of a ventilator cap assembly comprising a lower sleeve; an overlapping, coaxial upper collar; a conical cap coaxially disposed over the collar within the confines of the sleeve; and a set of upstanding offset brackets secured at their lower ends to said sleeve, secured at their upper ends to said collar, and each provided intermediate its ends with a zigzag section including an outwardly extending recess for supporting and confining an adjacent peripheral portion of said cap.

The invention possesses other advantageous features, some of which, with the foregoing, will be set forth at length in the following description where that form of the invention which has been selected for illustration in the drawings accompanying and forming a part of the present specification, is outlined in full. In said drawings, one form of the invention is shown, but it is to be understood that it is not limited to such form, since the invention as set forth in the claim may be embodied in other forms.

Referring to the drawings:

Fig. 1 is a top plan view of a ventilator cap assembly embodying the objects of my invention.

Fig. 2 is a front elevation in quarter section of the assembly illustrated in Fig. 1.

Fig. 3 is an isometric view of one of the supporting brackets forming a part of the assembly.

The assembly as shown in these various figures includes a lower sheet metal sleeve **1** provided adjacent its lower end with a gauging bead **2**.

Riveted to the upper end of the sleeve **1** in symmetrical disposition are three upstanding strap brackets generally designated by the reference numeral **3**. Each of the brackets **3** includes a lower upstanding section **4** and an intermediate zigzag section **5**, including a lower, outwardly extending shoulder **6**, an inwardly inclined portion **7**, and an upper section **8** extending outwardly beyond the lower shoulder section **6**. Merging with the outer end of the upper section **8** is an upwardly extending section **9** riveted to an upper cylindrical skirt or collar **11** at a point adjacent its upper periphery. As clearly illustrated in Fig. 2, the skirt or collar **11** is of a substantially larger diameter than the sleeve **1**, and is coaxial with, and overlaps the sleeve.

Seated on the shoulders **6** of the brackets **3** is a conical cap **12**, the inclination of the cap being preferably identical to the inclination of the inclined portion **7**.

As a result of this construction, the zigzag section **5** serves to snugly secure and support the cap **12** coaxially with the sleeve **1** and collar **11**, and in proper spaced relation thereto, as well as, to secure to sollar **11** coaxially with the sleeve.

In assembling a structure of this character, the brackets **3** are first riveted to either the sleeve or the collar, the cap **12** is then properly located on the bracket shoulders **6** by springing the brackets radially outward, and finally the brackets are riveted to either the collar or the sleeve.

I claim:

A ventilator cap assembly comprising: a lower open-ened sleeve; a plurality of upstanding brackets secured at their lower ends symmetrically to the upper end of said sleeve, said brackets being provided intermediate their ends with a zigzag portion including a lower outwardly extending section forming a shoulder, an inwardly inclined intermediate section, and an upper outwardly extending section; an open-ended substantially straight walled cylindrical collar secured to the upper ends of said brackets coaxially with said sleeve, the diameter of said collar being substantially greater than the diameter of said sleeve; and an inwardly inclined substantially straight walled conical cap disposed within said collar with its peripheral edges supported on the said shoulders of said brackets, the inclination of said cap being substantially equal to the inclination of the intermediate sections of said zigzag portions.

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