The present invention relates to new and useful improvements in deodorant dispensers particularly for home use and has for its primary object to provide, in a manner as hereinafter set forth, a device of this character which is adapted to be expeditiously installed for operation on a conventional forced air furnace for quickly freshening the air throughout the house or other building when the usual blower is operating.

Another very important object of the invention is to provide a deodorant dispenser of the aforementioned character which may be readily adjusted or regulated as desired.

Other objects of the invention are to provide a deodorant dispenser of the character described which will be comparatively simple in construction, strong, durable, compact, highly efficient and reliable in use and which may be manufactured at low cost.

These together with other objects and advantages which will become subsequently apparent reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawings forming a part hereof, wherein like numerals refer to like parts throughout, and in which:

Figure 1 is a view in side elevation of a deodorant dispenser constructed in accordance with the present invention, showing the device closed;

Figure 2 is a view principally in vertical longitudinal section, showing the device open;

Figure 3 is a view in transverse section, taken substantially on the line 3—3 of Figure 1;

Figure 4 is a view in transverse section, taken substantially on the line 4—4 of Figure 1.

Referring now to the drawings in detail, it will be seen that the embodiment of the invention which has been illustrated comprises a flanged collar or ring 5 which is secured by sheet metal screws 6 on the wall 7 of the usual hot air annular of a conventional forced air furnace. The ring 5 is secured on the furnace wall 7 in alignment with a circular opening 8 which is formed in said wall. Removably mounted in the ring 5 is a sleeve 9 of circular cross-section which extends through the opening 8 into the furnace 7. The sleeve 9 has formed therein at longitudinally spaced points inwardly pressed, circumferential ribs 10 and 11, the purpose of which will be presently set forth. A setscrew 12 is threadedly mounted in the ring 5 and engaged in the outer rib 10 for removably securing the sleeve 9 in position.

Mounted for longitudinal sliding adjustment in the sleeve 9 in spaced concentric relation thereto is a tube 13. The ribs 10 and 11 provide guides or bearings for the slideable tube 13. By tightening the setscrew 12, the sleeve 9 may be bent or distorted sufficiently to frictionally clamp the tube 13 in adjusted position.

Fixed on the outer end of the tube 13 is a depending container 14 of suitable capacity for the reception of a liquid deodorizing agent, as indicated at 15. Threaded on the upper portion of the container 14 is a removable screw cap 16. A wick 17 of suitable material is mounted in the tube 13 and extends from end to end thereof, one end portion of said wick being immersed in the deodorizing agent 15 in the container 14.

It is to be noted that the tube 13 is of greater length than the sleeve 9. Mounted on the inner or forward end of the tube 13 is a disk or cap 18 which is engageable with the corresponding end of the sleeve 9 when said tube is in closed or retracted position. The upper portion of the inner end portion of the tube 13 is cut away in a manner to provide an opening 19 which exposes the inner or forward end portion of the wick 17.

It is thought that the operation of the device will be readily apparent from a consideration of the foregoing. Briefly, the cap 16 is removed and the container 14 is filled to the desired level with the deodorizing fluid 15, after which said cap is replaced. The wick 17 conveys the deodorizing agent 15 to the exposed inner end portion of said wick by capillary attraction for impregnating the upwardly flowing warm air in the hot air bonnet of the furnace when the blower is operating. By loosening the setscrew 12 the tube 13 may be readily adjusted inwardly or outwardly in the sleeve 9 for exposing any desired portion of the wick 17. With the cap 16 engaged with the sleeve 9, as shown in Figure 1 of the drawing, the device is inoperative. By further loosening the setscrew 12 the device may be removed as a unit from the furnace, with the exception of the ring or collar 5, for cleaning or other purposes. To facilitate readjusting the device when it is reinserted in the furnace after cleaning, the outer end portion of the tube 13 is graduated, as indicated at 20. It will be observed that the single setscrew 12 performs the dual functions of securing the sleeve 9 in position in the ring and securing the tube 13 in adjusted position.

The foregoing is considered as illustrative only of the principles of the invention. Further, since numerous modifications and changes will readily occur to those skilled in the art, it is not desired to limit the invention to the exact construction and operation shown and described, and accordingly, all suitable modifications and equivalents may be resorted to, falling within the scope of the invention as claimed.

What is claimed as new is as follows:

1. A deodorant dispenser of the character described comprising: a sleeve, means for securing said sleeve in an opening in a wall of a furnace, a tube mounted for longitudinal sliding adjustment in said sleeve, a depending container on one end portion of said tube, a wick mounted in the tube and having one end portion extending therefrom into the container, said tube having an opening in its other end portion exposing said wick, and means for securing the tube in adjusted position in the sleeve.

2. A deodorant dispenser of the character described comprising: a ring, means securing said ring on a wall of a furnace over an opening therein, a resilient tube removably mounted in the ring and extending therefrom through the opening into the furnace, a tube mounted for sliding adjustment in said sleeve, a container, for the reception of a liquid deodorant, mounted on one end of said tube, a wick mounted in the tube and extending therefrom into said container, and a setscrew threadedly mounted in the ring and engaged with the sleeve for locking said sleeve in said ring and for frictionally clamping the tube in adjusted position in said sleeve.

3. A deodorant dispenser of the character described comprising: a sleeve adapted to be mounted in an opening in a furnace wall, a tube mounted for longitudinal adjustment in said sleeve and projecting beyond the ends thereof, a container, for the reception of a liquid deodorant, mounted on one end of said sleeve, and a wick mounted in said tube and extending therefrom into said container, said tube having a substantially segmental opening in the upper portion of its other end portion exposing said wick.

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