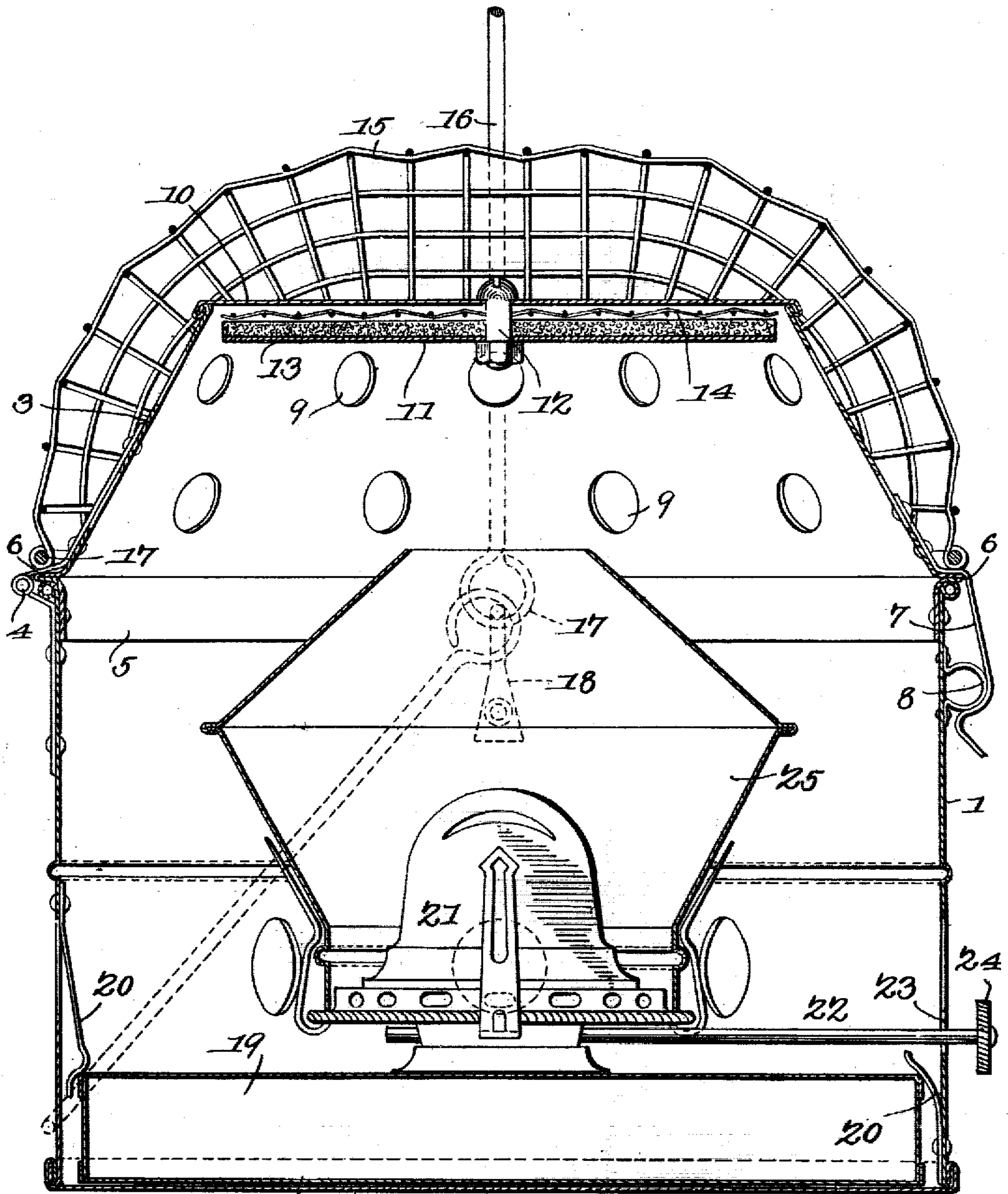


No. 825,427.

PATENTED JULY 10, 1906.

C. A. SNOWDEN.
VEHICLE HEATER.
APPLICATION FILED MAR. 16, 1905.



Witnesses
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UNITED STATES PATENT OFFICE.

CHARLES A. SNOWDEN, OF BEAVER DAM, WISCONSIN.

VEHICLE-HEATER.

No. 825,427.

Specification of Letters Patent.

Patented July 10, 1906.

Application filed March 16, 1905. Serial No. 250,466.

To all whom it may concern:

Be it known that I, CHARLES A. SNOWDEN, a citizen of the United States, residing at Beaver Dam, in the county of Dodge and State of Wisconsin, have invented a new and useful Vehicle-Heater, of which the following is a specification.

This invention relates to lamp-heaters, and is primarily designed to provide certain new and useful improvements in such class of devices to particularly adapt the same for use as a vehicle-heater.

Other objects of the invention are to embody the device in such form as to enable the convenient handling thereof, to insure an effective burning of the lamp, to give convenient access to the burner for lighting and cleaning the burner and for filling the oil-tank, and to permit of the heater being covered by the usual lap-robe without danger of burning the latter.

The invention consists in the novel combination and arrangement of parts, as will be hereinafter more fully described, shown in the accompanying drawing, and particularly pointed out in the appended claim, it being understood that changes in the form, proportion, size, and minor details may be made within the scope of the claim without departing from the spirit or sacrificing any of the advantages of the invention.

In the accompanying drawing, there has been shown a vertical sectional view of a lamp-heater embodying the features of the present invention.

As embodied in the accompanying drawing the present heater includes a body 1, which is in the nature of a cylindrical metallic receptacle having a flat bottom 2, upon which the device is designed to rest, and provided with an open top which is normally closed by a truncated cover or top 3, hinged to the top of the body, as indicated at 4, and provided with a depending rim 5, designed to fit snugly within the open top of the body and having an external annular flange 6 to rest upon the upper edge of the body, and thereby form a tight joint between the body and the cover or top. Opposite the hinge 4 there is a spring-catch 7, carried by the free edge of the cover and designed to snap into engagement with a suitable keeper 8, carried externally by the body, thereby to hold the cover snugly upon the body and at the same time to permit opening of the cover to give access to the interior of the body. This cover is provided

with a number of large perforations 9 to secure the proper draft for the lamp, and its flat top 10 is protected against the effects of the heat from the lamp by means of a protector-plate 11, centrally hung from the top by means of a suitable stem or fastening 12 and having a heat-non-conducting filling 13, such as asbestos or mineral wool, interposed between the plate and the top, with a piece of wire fabric 14 placed upon the top of the filling 13. A semicylindrical or suitably-shaped grating or open-work hood 15, preferably in the nature of a wire basket, embraces the cover 3, with its lower peripheral edge resting upon the external annular flange 6 of the cover and spaced at a suitable distance from the latter, so as to hold a lap-robe or the like away from the heated cover to prevent scorching and burning of the lap-robe. A suitable bail-handle 16 straddles the top of the body and the hood 15 with each end formed into a ring 17, which is loosely engaged with a clip 18, fixed upon the exterior of the body, whereby the handle may be swung downwardly into the position indicated by dotted lines when not required for transporting the heater.

The heating apparatus of the present invention is in the nature of an oil-burning lamp, including an oil font or reservoir 19, which is designed to be removably seated upon the base or bottom of the body 1 and held thereon by suitable spring-catches 20, carried by the inner walls of the body 1 and detachably engaging the top of the reservoir, so as to prevent the latter from being jolted about within the body by the movements of the vehicle. Any suitable form of burner 21 is carried by the top of the reservoir 19, the wick thereof being controlled by the usual rotatable shaft or stem 22, which is projected outwardly through an opening 23 in one side of the body 1 and provided upon its projected extremity with the usual disk or finger-piece 24 for convenience in rotating the shaft. A metallic chimney 25 is removably carried by the burner in the manner of the ordinary glass chimneys to insure the proper burning of the lamp and also to become highly heated and operate as a radiating element to give off heat through the openings 9 in the cover 3.

From the foregoing description it will be understood that the lamp may be conveniently fitted into and removed from the body 1 when the cover 3 is open, which materially facilitates the refilling and cleaning of the

lamp without requiring any extensive setting up and dismantling of the device. Moreover, when the lamp is lighted and the cover 3 and the open-work hood 15 are closed down over 5 the top of the body the heater may be conveniently carried about by means of the handle 16 without subjecting the hands to any danger of being burned by the heater. In practice it is designed to place the heater 10 upon a buggy-body or other vehicle-body at or between the feet of the occupant in order that the heater may be entirely covered by the lap-robe, whereby the heat is confined by the lap-robe about the lower limbs of the oc- 15 cupant of the vehicle, which maintains the latter in a comfortably-heated condition. When the occupant leaves the vehicle for a short time only, instead of putting out the lamp the lap-robe is drawn close around the heater, 20 thereby to maintain the lap-robe in a heated condition without danger of burning or singeing the latter, and the lap-robe is maintained in a heated condition for the comfort of the occupant of the vehicle when he returns thereto. 25 While the present device has been described as a vehicle-heater, it is also capable of being used in various capacities—as, for instance, to heat water by removing the wire cage and placing the receptacle containing the water 30 upon the top of the cover—and the device may also be used for heating a room. The fuel used

is preferably kerosene-oil; but other oils can of course be employed. In addition to having the perforations in the cover there are also per- 35 forations in the side of the body above the oil-tank and below the burner. In some instances it may be desirable to have the stem 22 terminate short of the outer side of the body and provide the latter with an opening sufficiently large to enable access to the shaft 40 for controlling the wick.

Having thus described the invention, what is claimed is—

A vehicle-heater comprising a body which is open at its top, a burner therein, an up- 45 wardly-tapered perforate cover having a depending flange fitting in the top of the body and provided with an external annular rim resting upon the top edge of the body, a hinge 50 connecting the cover to the body, a spring-catch to hold the cover closed, an open-work hood spaced from and arching over the top of the cover and resting upon the rim thereof, and a bail loosely connected to the body and arching over the hood. 55

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

CHARLES A. SNOWDEN.

Witnesses:

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