

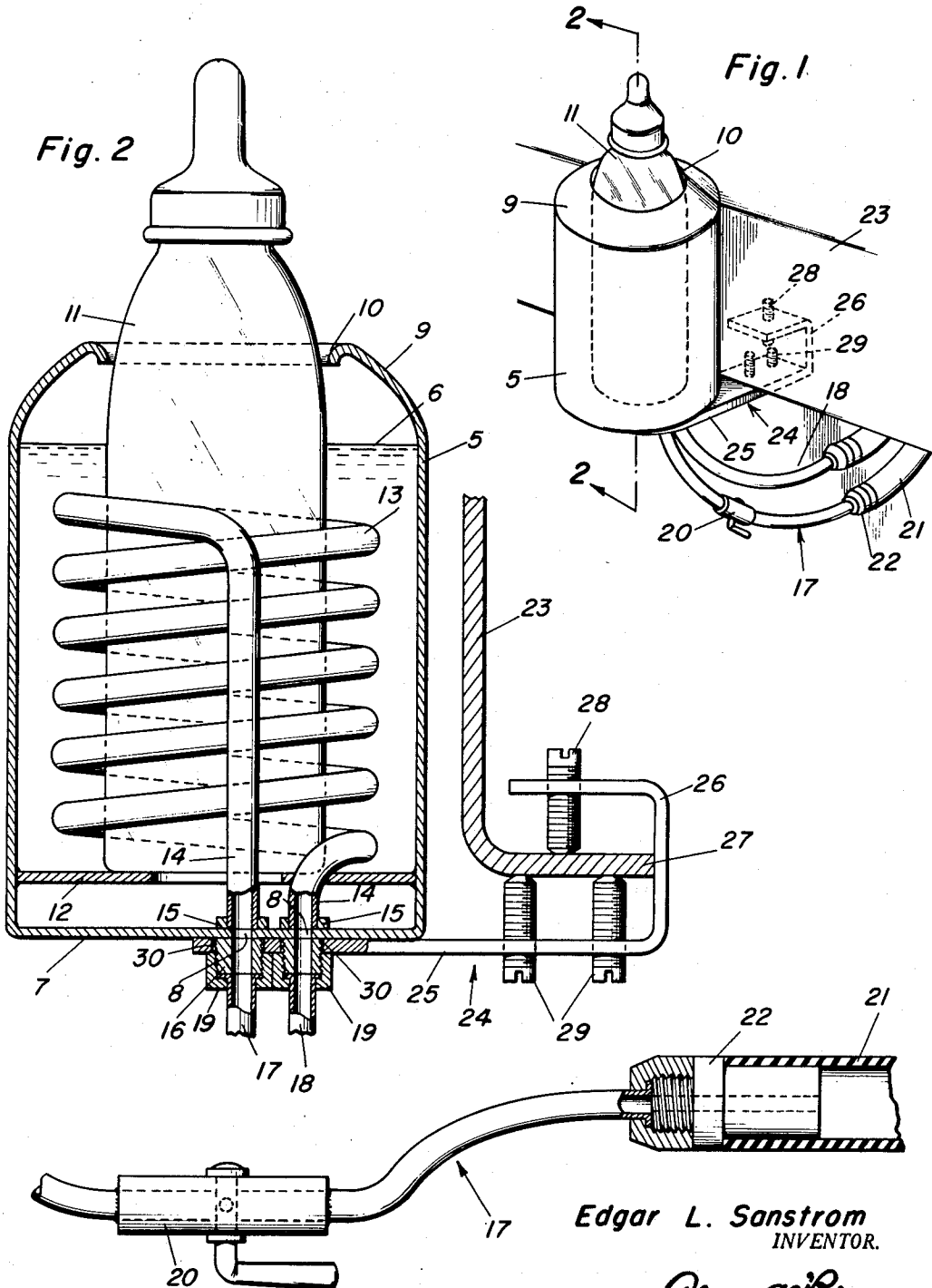
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2,756,031

BABY BOTTLE WARMER

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Fig. 3

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BABY BOTTLE WARMER

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1 Claim. (Cl. 257—205)

The present invention relates to new and useful improvements in baby bottle warmers for use particularly in automobiles, and has for its primary object to provide, in a manner as hereinafter set forth, a device of this character which is adapted to utilize the cooling system of the engine of the vehicle as a source of heat for warming the bottle.

Another very important object of the invention is to provide a baby bottle warmer of the aforementioned character comprising novel means for removably mounting the device on the instrument panel of the automobile and connecting the water conducting tubes or lines thereto.

Other objects of the invention are to provide a baby bottle warmer 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 perspective view, showing a baby bottle warmer constructed in accordance with the present invention in use;

Figure 2 is a vertical sectional view, taken substantially on the line 2—2 of Figure 1; and

Figure 3 is a fragmentary view, partially in section, of a portion of the supply or intake line.

Referring now to the drawing in detail, it will be seen that the embodiment of the invention which has been illustrated comprises a cylindrical container 5 of suitable material. The container 5, which may be of any desired dimensions or capacity, is for the reception of water, as at 6.

The container 5 includes a bottom 7 having openings 8 therein. The container 5 further includes a substantially rounded top portion 9 having a circular opening 10 therein for the reception of a conventional baby bottle, as at 11. The container 5 still further includes, in its lower portion, an apertured false bottom or platform 12 which is spaced from the bottom 7 and on which the bottle 11 rests.

Mounted concentrically in the container 5 is a vertical coil 13 which surrounds the bottle 11. The end portions or leads 14 of the coil 13 are affixed, as at 15, to the bottom 7 of the container 5 in registry or communication with the openings 8.

Depending from the bottom 7 and communicating with the openings 8 are threaded nipples 16. Water intake or delivery and return lines 17 and 18, respectively, are detachably connected to the nipples 16 by slip nuts 19. The line 17 has interposed therein a control valve 20.

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The line 17 is connected to the engine block for receiving hot water therefrom, and includes a hose section 21 and an adapter 22. The return line 18 is of substantially similar construction with the exception that it does not include a control valve and said return line is connected to the water pump of the vehicle engine.

The container 5 is removably mounted on the usual instrument panel 23 of the vehicle through the medium of a bracket 24 of suitable metal. The bracket 24 includes an arm 25 projecting from a substantially U-shaped clip 26 adapted to straddle the usual flange 27 of the instrument panel 23 and having threaded therein a single upper setscrew 28 and a pair of lower setscrews 29 for receiving and gripping said flange therebetween. The free end portion of the arm 25 is engaged beneath the container 5 and has formed therein spaced openings 30 through which the nipples 16 project. The slip nuts 19 are engaged beneath the arm 25 for securing the container 5 in position on the bracket 24.

It is thought that the use or operation of the device will be readily apparent from a consideration of the foregoing. Briefly, the container 5 is filled to the desired level with water, as at 6, and the baby bottle 11 to be warmed is inserted downwardly into said container through the opening 10. With the vehicle engine running to heat and circulate the water of the cooling system, the valve 20 is opened. Heated water under pressure from the engine then flows through the line 17, the coil 13 for heating the water 6, and then returns to the engine through the line 18, in an obvious manner. Of course, the heated water 6 warms the bottle 11 and its contents. The construction of the bracket 24 is such that the device may be expeditiously installed at any desired location on the instrument panel 23 and removed therefrom.

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 described and claimed, 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:

A baby bottle warmer of the character described comprising: a container for the reception of water, said container including a bottom having spaced openings therein, a vertical coil in the container having its ends affixed to the bottom in communication with the openings, threaded nipples depending from the bottom and communicating with the openings therein, fluid delivery and return lines communicating with the nipples, a mounting bracket comprising an arm engaged beneath the bottom and having openings therein, said nipples projecting through the last named openings, slip nuts threaded on the nipples for connecting the lines thereto and engaged with the arm for securing said arm to said bottom of the container, and a clamp on the other end of the arm for removably mounting the bracket on a support, said container further including a top portion having an opening therein for the reception of a bottle.

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