

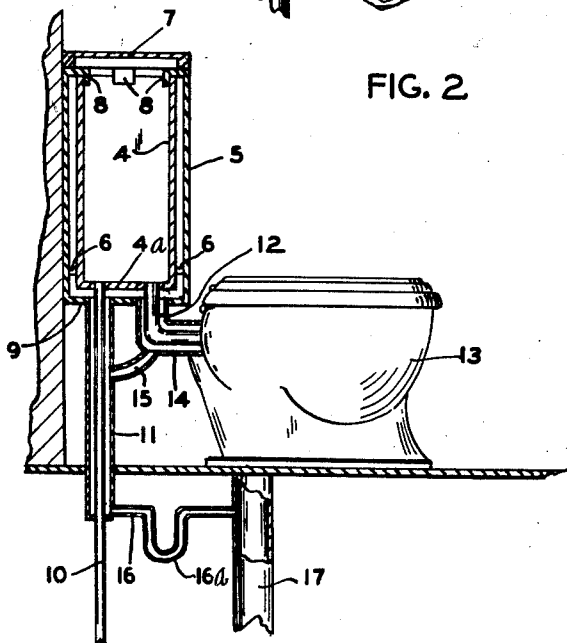
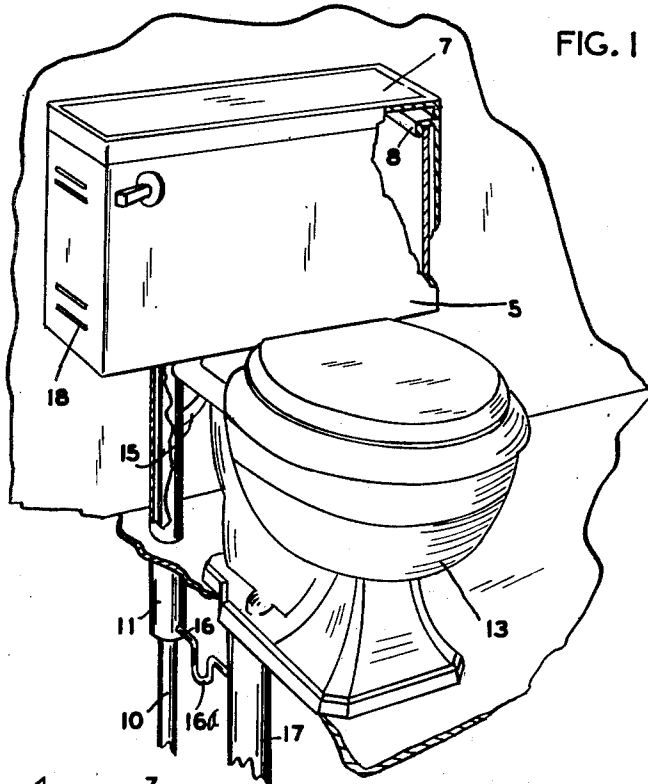
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INSULATING JACKET FOR TOILET FLUSH TANKS

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INSULATING JACKET FOR TOILET
FLUSH TANKS

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2 Claims. (Cl. 4—252)

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This invention relates to attachments for toilet water tanks to reduce sweating and to collect any condensation and carry the same to a drain outlet.

Condensation on toilet water tanks has long been a problem and various unsuccessful attempts have been made to provide devices to eliminate, or collect, this condensation.

It is an object of my invention to provide an attachment for conventional tanks which will completely surround the tank and inlet conduit, as well as the outlet conduit, and materially reduce condensation around said members while, at the same time, collecting any condensation that may occur and carrying the same to a suitable drain outlet.

It is another object to provide a ventilated jacket for toilet water tanks adapted to collect any condensation and carry the same to a suitable drain outlet.

These and other objects and advantages of my invention will more fully appear from the following description made in connection with the accompanying drawings wherein like reference characters refer to similar parts throughout the several views and in which—

Fig. 1 is a perspective view showing my attachment in operative position; and

Fig. 2 is a vertical sectional view of the structure shown in Fig. 1.

As illustrated in the accompanying drawings, I provide an attachment for conventional toilet water tanks, such as the tank 4, comprising a tank jacket, designated as an entirety by the numeral 5, adapted to completely surround a conventional tank in spaced relation thereto and provided with suitable spacer elements 6 interposed between said jacket and the outside of said tank. A top cover 7 closes the open top of the jacketed tank as is best shown in Figs. 1 and 2. The jacket is connected in any suitable manner to the tank 4, such as by the hanger hooks 8 which extend inwardly and hook over the upper marginal edge of the tank 4. These hangers 8 are disposed to position the jacket bottom 9 in slightly spaced relation below the tank bottom 4a.

A suitable source of water supply is provided through the conduit 10 which extends into the valve, the flow through conduit 10 being controlled by a suitable float valve in the conventional manner (not shown). A conduit jacket 11 is provided to surround the inlet conduit 10 and is connected in sealed relation to the bottom 9 of the jacket 5. An outlet conduit 12 from

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the tank 4 is shown in the form of an elbow and supplies fluid under the control of conventional valve assembly (not shown) to the toilet bowl 13. A jacket 14 is provided in sealed relation to the jacket 5 and surrounds the outlet elbow 12. A drain connection 15 interconnects the jacket 14 with the jacket 11, and a final drain conduit 16, having the trap 16a, connects the bottom of jacket 11 with the sewer drain 17.

Suitable vents 18 are provided in both ends of the jacket 5 to produce a slight circulation of air therethrough and thereby entirely eliminate any condensation from the outside of jacket 5. Any condensation that may occur on the outside of tank 4 will be collected and drained off through conduit 16 into the sewer drain 17.

The attachment of my improved jacket is extremely simple. The flush tank is merely drained and disconnected from the inlet and outlet conduits and lifted into my jacket. The spacers 6 maintain the spaced relation between the walls of the tank and the walls of the jacket and the hangers 8 rigidly connect the jacket to the tank. The inlet jacket is mounted around the inlet conduit 10 and a seal is formed between the bottom of the inlet jacket 11 and the outer surface of the inlet conduit to confine the condensation to flow outwardly through the drain conduit 16. A small depression is provided in the elbow jacket 14 to collect the condensation therefrom and permit the same to drain out through the drain connection 15. With the conduit jackets in proper position, a tank and tank jacket are remounted on said conduits, as shown in the drawings.

It will be seen that I have provided an extremely simple, yet highly efficient, device for entirely eliminating the problem of condensation on the outside of a toilet water tank and to produce a jacket which will be constantly maintained in an absolutely dry condition on the outside thereof, and all condensation on the conventional water tank surrounded by said jacket will be collected and carried off to the drain.

It will, of course, be understood that various changes may be made in the form, details, arrangement and proportions of the parts without departing from the scope of my invention.

What I claim is:

1. A complete jacket structure for water supply systems for toilets comprising a tank jacket constructed to completely surround the water containing portion of a conventional flush tank in spaced relation to the side walls and bottom thereof, means for connecting said jacket to the

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tank for maintaining the spaced relation therebetween, a jacket surrounding the delivery pipe from the flush tank in spaced relation thereto, a second pipe jacket mounted in spaced relation around the supply pipe for said flush tank, a connector interconnecting said delivery pipe jacket with said supply pipe jacket, and a second connector interconnecting the bottom portion of said supply pipe jacket with a drain to produce a complete jacket surrounding all of the exposed portions of the water containing and conveying elements of a toilet flushing system and to provide a drain for any water condensed in said system.

2. The structure set forth in claim 1, and means

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for ventilating said jacket structure to positively prevent any condensation on the outside of any portion of said jacket structure.

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