I. B. WINTERS.

FLUSH TANK.

APPLICATION FILED APR. 20, 1918.

1,277,165. Patented Aug. 27, 1918.

Fig. 1

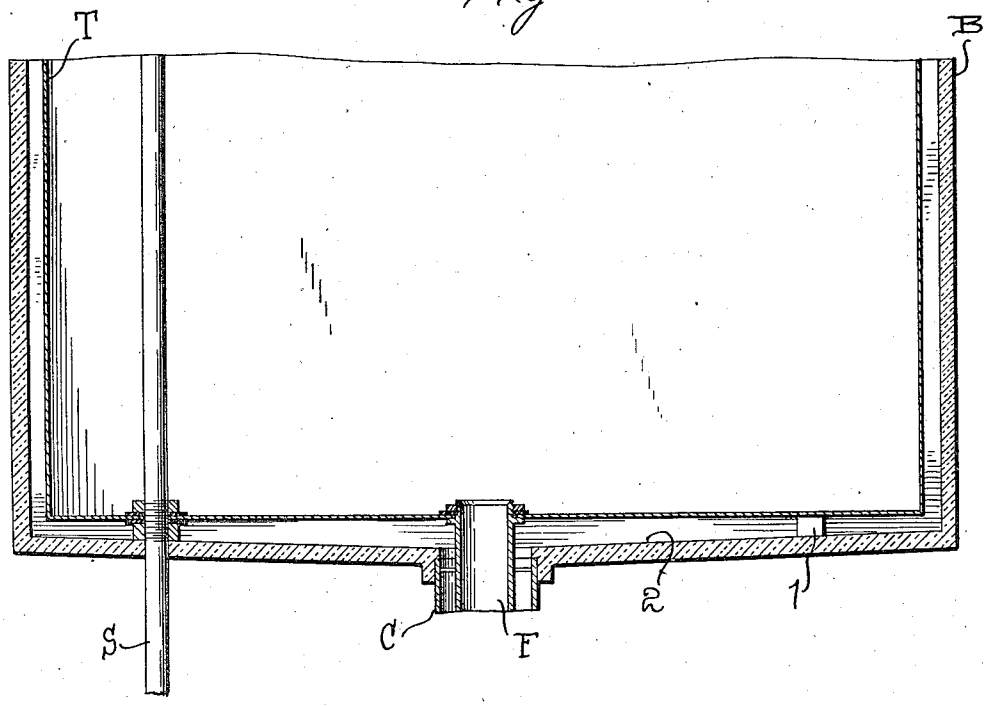
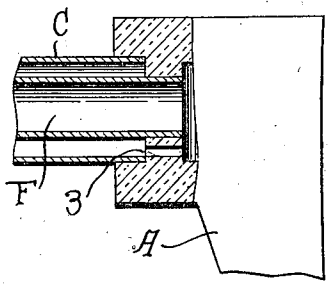


Fig. 2



Inventor

I. B. Winters

By Watson E. Coleman

Attorney

UNITED STATES PATENT OFFICE.

IRVING B. WINTERS, OF WYCKOFF, NEW JERSEY.

FLUSH-TANK.

1,277,165. Specification of Letters Patent. Patented Aug. 27, 1918.

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To all whom it may concern:

Be is known that I, IRVING B. WINTERS, a citizen of the United States, residing at Wyckoff, in the county of Bergen and State of New Jersey, have invented certain new and useful Improvements in Flush-Tanks, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to certain improvements in flush tanks and it is an object of the invention to provide a device of this general character having novel and improved means whereby water sweating from the tank will be collected and discharged within the bowl.

The invention consists in the details of construction and in the combination and arrangement of the several parts of my improved flush tank whereby certain important advantages are attained and the device rendered simpler, less expensive and otherwise more convenient and advantageous for use, as will be hereinafter more fully set forth.

The novel features of my invention will hereinafter be definitely claimed.

In order that my invention may be the better understood, I will now proceed to describe the same with reference to the accompanying drawings, wherein:

Figure 1 is a fragmentary view partly in section and partly in elevation illustrating a flush tank constructed in accordance with an embodiment of my invention; and

Fig. 2 is a fragmentary view partly in section and partly in elevation illustrating the features of my invention coacting with the bowl.

As disclosed in the accompanying drawings B denotes a box of predetermined dimensions formed of china, enamelware or the like and arranged within the box B is the tank T. The side and bottom walls of the tank T are spaced from the adjacent walls of the box B a slight distance, preferably one-quarter inch whereby the tank T is surrounded by an air space. Extending through the bottom of the box B and the tank T is a supply pipe S which affords a support for one side portion of the tank and interposed between the opposite side portion of the tank T and the box B is a member 1 for affording additional support to the tank T.

F denotes a flush pipe leading to the bowl A and said pipe F is surrounded by the casing C spaced therefrom and in communication through the bottom of the box B with the air space surrounding the tank T. It is preferred that the bottom 2 of the box B be concavo-convex with the casing in communication with the low portion thereof so that the moisture or water sweating through the tank T will readily flow to the casing C. The casing C has its lower end portion in communication with the interior of the bowl A through the restricted openings 3 so that the water or moisture collected within the casing C will be discharged within the bowl A so that the collected water or moisture will not lay stagnant within the casing C or within the box B.

I do not wish to be understood as limiting myself in any way as to the material from which the tank T is to be made as the same can be produced from zinc or any desired material.

With a relatively high temperature it is a known fact that the flush tank when frequently used will sweat and it will be self-evident from the foregoing that with my improved construction the moisture or water collected from the sweating of the tank T and also through the pipe F will be readily conveyed to the bowl A.

From the foregoing description it is thought to be obvious that a flush tank constructed in accordance with my invention is particularly well adapted for use by reason of the convenience and facility with which it may be assembled and operated and it will also be obvious that my invention is susceptible of some change and modification without departing from the principles and spirit thereof and for this reason I do not wish to be understood as limiting myself to the precise arrangement and formation of the several parts herein shown in carrying out my invention in practice except as hereinafter claimed.

I claim:

In combination with a flush tank, a bowl and a flush pipe leading from the tank to

the bowl, a box inclosing the side and bottom walls of the tank and spaced therefrom to afford an air space, a casing surrounding the flush pipe and in communication with the air space between the box and tank, and leading to the bowl and engaged therewith, said bowl being provided with a port in communication with the lower part of the end portion of the casing engaged with the bowl and discharging within the bowl.

In testimony whereof I hereunto affix my signature in the presence of two witnesses.

IRVING B. WINTERS.

Witnesses:
GUSTAV HURD,
JAS. H. HOLLYER.