

H. LESLEY.
STORAGE BATTERY TANK.
APPLICATION FILED JUNE 16, 1910.

984,095.

Patented Feb. 14, 1911.

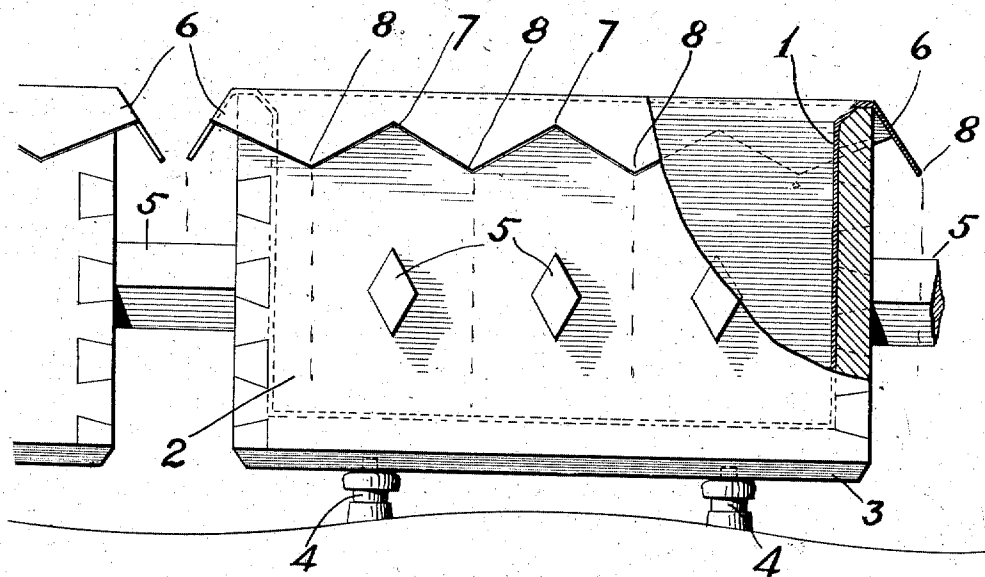


FIG. 1.

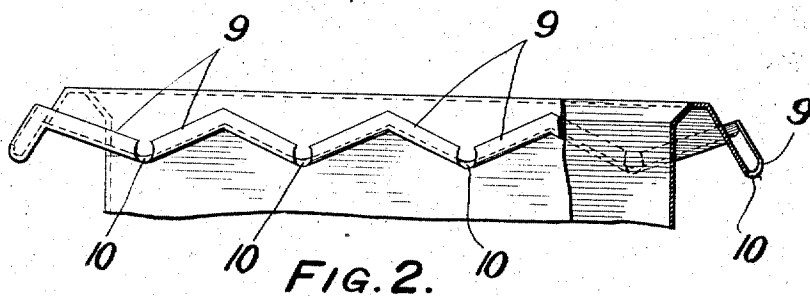


FIG. 2.

WITNESSES:

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HUGH LESLEY, OF PHILADELPHIA, PENNSYLVANIA.

STORAGE-BATTERY TANK.

984,095.

Specification of Letters Patent.

Patented Feb. 14, 1911.

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To all whom it may concern:

Be it known that I, HUGH LESLEY, a citizen of the United States, and a resident of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Storage-Battery Tanks, of which the following is a specification.

Objects of the present invention are to prolong the life of the wooden tanks and their supporting battens and this object is accomplished according to the present invention generally stated, by providing efficient, comparatively inexpensive and reliable means for directing the drip clear of or away from the parts of the tank and battens, if present, which are most susceptible to the corrosive action of the drip.

The invention will be claimed at the end hereof, but will first be described in connection with the embodiments, but not the only embodiments, of it chosen for illustration in the accompanying drawings, in which—

Figure 1 is an elevational view with parts broken away illustrating a tank and a part of a second tank embodying features of the invention, and Fig. 2, is a side view with parts broken away illustrating a modification of the invention.

In the drawings 1 is the lining as of lead of the tank 2, which is constructed of wood.

3 is a batten on which the tank may be supported and when the batten is present it may rest upon insulators 4.

5 are supports or blocking-pieces that are sometimes interposed between the walls of adjacent tanks so as to oppose their bulging, by reason of the weight of the liquid which they contain.

At the top the lining 1 projects downward and outward all around the top of the tank, like the eaves of the roof of a house. The object of this is to cause electrolyte to drip so far as may be, clear of the wood; it being understood that electrolyte attacks and disintegrates wood. Even with this provision, electrolyte dripping from the outwardly and downwardly projecting part 6 of the lining is apt to fall upon the blocking pieces 5 and in that way reach the outside of the wooden

walls of the tank and collecting between these walls and the ends of the blocking piece attacks the wood. Furthermore if the tank be not perfectly level the drip occurs principally at the corners and is by drafts of wind or other causes blown against the corners of the tank and since at the corners the end grain is exposed at the dovetails, the electrolyte reaches the end grain which is peculiarly susceptible to attack and corrosion. When electrolyte drips from the corners it also reaches the ends of the battens 3 and attacks their end grain in a similar manner. To avoid these defects and disadvantages the edge of the turned-down portion 6 of the lining is furnished with a series of indentations 7, so that the drip occurs at the points 8 between these indentations and these points 8 are located in such a way as not to discharge their drip onto vulnerable parts of the tank, for example, the points are located between the blocking-pieces 5 and not at the corners of the tank so that the drip falls between the blocking-pieces and to the sides of the corners and is thus directed to positions where it does the least possible harm. Furthermore, the insulators 4 are so positioned with respect to the indentations 7 and the points 8 that the drip from the latter does not fall upon the insulators and thereby lessen their efficiency.

The construction and mode of operation of the device shown in Fig. 2 are as above described with reference to Fig. 1, with the exception that the edges of the lining at the indentations are curved upward as at 9, forming gutters which discharge at the points 10.

What I claim is:

1. A storage battery tank having a lining which projects outwardly and downwardly from the top of the tank, and the edge of which is angular to the top of the tank, to direct the drip, substantially as described.

2. A storage battery tank having a lining which projects outwardly and downwardly from the top of the tank, and the edge of which is provided with indentations, the projecting portions of which direct the drip, substantially as described.

3. A storage battery tank having a lining
which projects outwardly and downwardly
from the top of the tank, and the edge of
which is provided with indentations, having
5 gutters and the projections of said indenta-
tions serving to direct drip, substantially as
described.

In testimony whereof I have hereunto
signed my name.

HUGH LESLEY.

Witnesses:

GEO. M. HOWARD

EDGAR LONGAKER