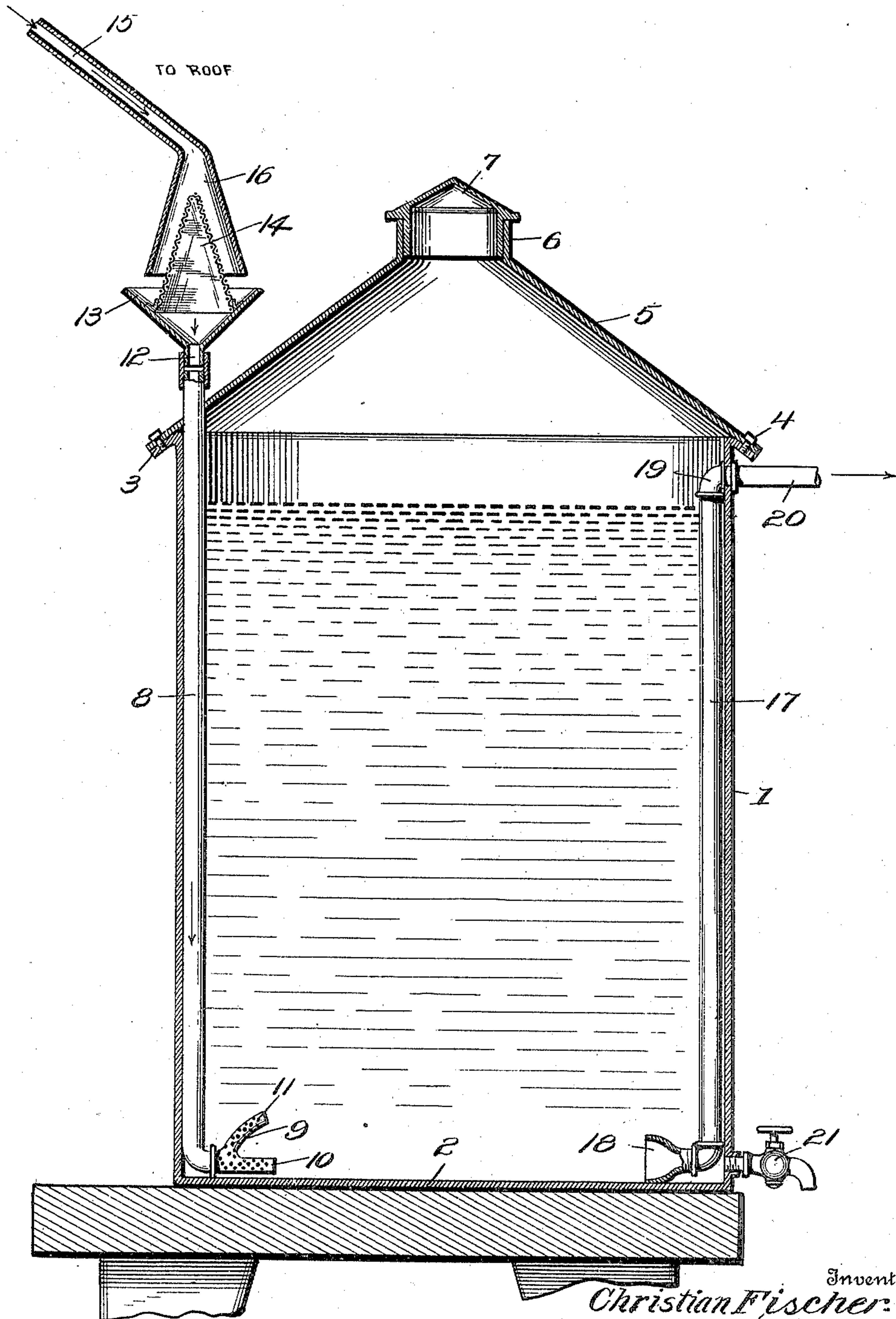


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CISTERN.

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Patented Mar. 8, 1910.



Witnesses

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951,683.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, CHRISTIAN FISCHER, a citizen of the United States, residing at Port Arthur, in the county of Jefferson and State of Texas, have invented new and useful Improvements in Cisterns, of which the following is a specification.

This invention relates to cisterns, and has for an object to provide a device of this character adapted to receive water from the roof of a house or like structure and convey the water to the bottom of the cistern, and to provide an overflow connection having a mouth at its lower end disposed upon the bottom of the cistern and in line with the discharge end of the water intake connection, thus providing means so that a quantity of oil can be deposited within the cistern and upon the surface of the water contained therein in such manner that upon the rise and fall of the liquid the walls of the cistern will be lubricated in such manner as to prevent their rusting as will be understood.

A still further object of my invention is to provide a cistern that will be so constructed as to obviate at the time of an overflow the discharge of oil from the top of the cistern, and to further provide means so that at the time of an overflow the water upon the bottom of the cistern will be agitated and will be carried off from the mouth of the overflow connection and in such manner as will carry from the cistern foreign matter or sediment.

Other objects and advantages will be apparent as the nature of the invention is better set forth, and it will be understood that changes within the scope of the claim may be resorted to without departing from the spirit of the invention.

In the drawing, forming a portion of this specification and in which like numerals of reference indicate similar parts in the several views, the figure represents a vertical longitudinal section of the cistern.

As illustrated the cistern consists of a cylindrical vertically disposed body or tank 1 having an annular wall and a bottom 2. The annular wall is provided at its upper end with an annular and downwardly and outwardly inclined flange 3 to which is secured by means of fastening devices 4 a substantially conical top 5. The top 5 is provided with a reduced neck portion 6

at its upper end with which is engaged a removable cap 7.

The body or tank 1 has mounted therein a water intake pipe or connection 8 which is preferably vertically disposed and located at one side of the tank. The pipe or connection is provided at its lower end with a perforated spreading head or nozzle 9 and is disposed adjacent to the bottom 2 and is preferably formed with a horizontally disposed arm 10 and an upwardly and outwardly curved arm 11. At the upper end the pipe or connection 8 is disposed in line with the depending neck 12 of a funnel or like element 13 having mounted therein a screen 14 formed of foraminous material and preferably of cone form. A spout or pipe connection 15 extends from the roof of a building or the like and is provided with an inverted cone-shaped mouth 16 disposed directly above the funnel 13 and is constructed in such manner that its walls are spaced from the walls of the screen 14.

The member or tank 1 has mounted therein an overflow pipe or connection 17 provided at its lower end with a detachable flared or bell shaped mouth 18, and at the upper end the connection or pipe 17 carries an elbow 19 to which is connected a drain pipe 20 which latter may be extended to any suitable point as will be readily understood. The mouth 18 at the lower end of the overflow pipe or connection 17 is preferably disposed directly in line with the perforated arm 10 of the head 9 carried by the pipe or connection 8.

The body or tank forming the cistern is provided adjacent to the bottom 2 with a draw-off cock 21 which may be of any suitable form best adapted for the purpose intended and may be located at any desired point annularly of the tank or body 1 as is obvious.

In operation, water is delivered to the cistern from the pipe 15 or connection and after a quantity has formed in the cistern the cap 7 is removed and a quantity of oil poured into the cistern and upon the surface of the water so that upon rise and fall of the latter the walls of the tank will be thoroughly lubricated to prevent the accumulation of rust upon the walls and thus prolong the life of the tank as will be readily understood. The construction of the apparatus in general is such that foreign mat-

ter may be discharged into the funnel 13 and will be prevented from entering the connection or pipe 8 incident to the provision of the screen or strainer 14. By ar-
5 ranging the head 9 carried by the pipe 8 in the position described it will be seen that at the time of an overflow water within the tank 1 will be free to pass therefrom by way of the mouth 18, and the water at the
10 bottom of the tank will be agitated sufficiently to discharge all particles of foreign matter.

I claim:—

15 An apparatus of the class described comprising a tank provided with a closed upper end portion, a water inlet connection carried by the tank, a discharge head at the lower

end of the said connection, said head comprising a horizontally disposed perforated arm and an upwardly and outwardly curved 20 perforated arm located immediately above the first named arm, and an overflow connection disposed within the tank and provided at its lower end with a flared horizontal mouth, said mouth being arranged di- 25 rectly in line with the arms of the said discharge head.

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

CHRISTIAN FISCHER

Witnesses:

IRA BEST,

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