

C. H. VAN WAGONER.
WATER TANK.
APPLICATION FILED OCT. 19, 1906.

907,920.

Patented Dec. 29, 1908.

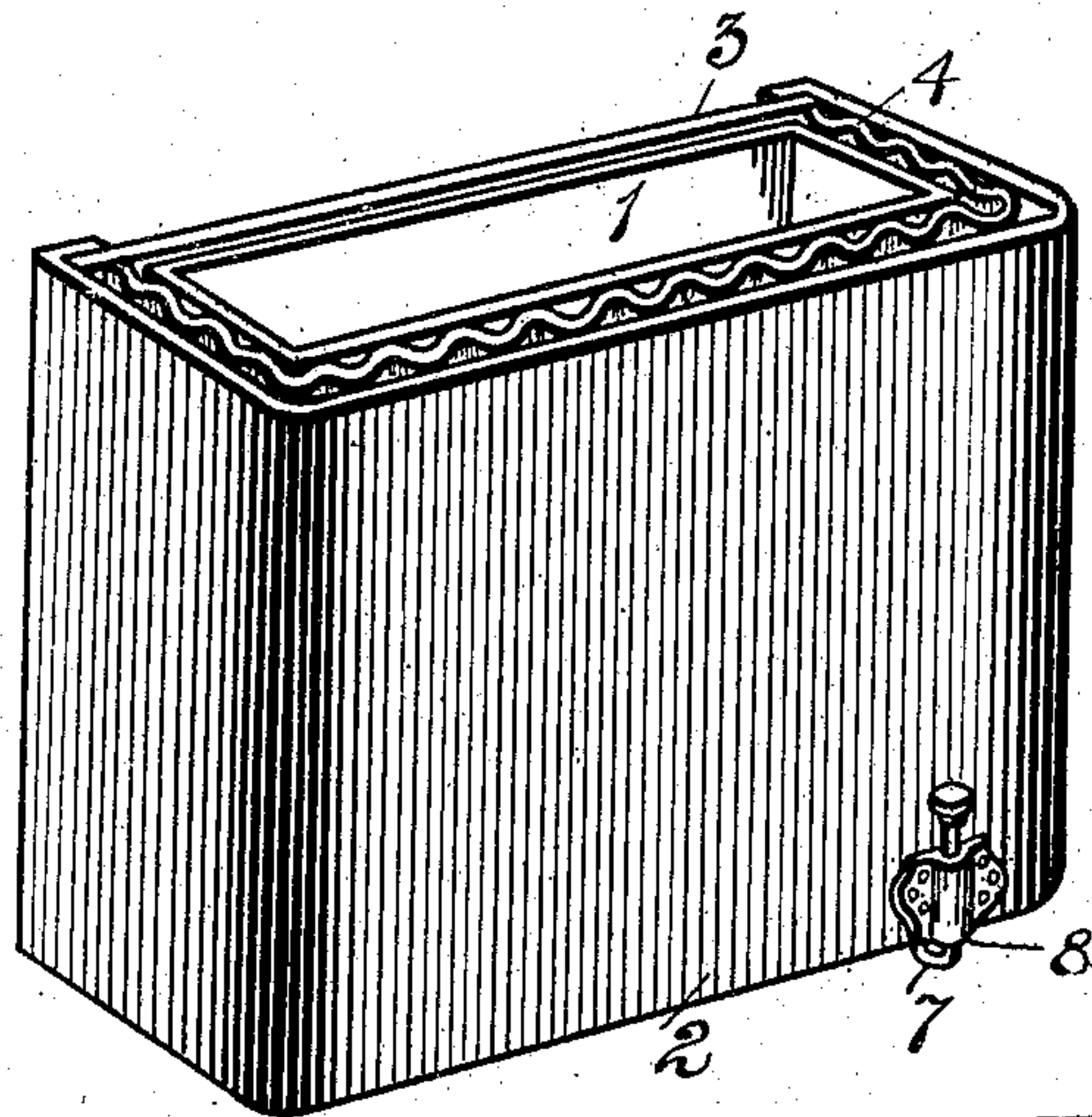


Fig. 1.

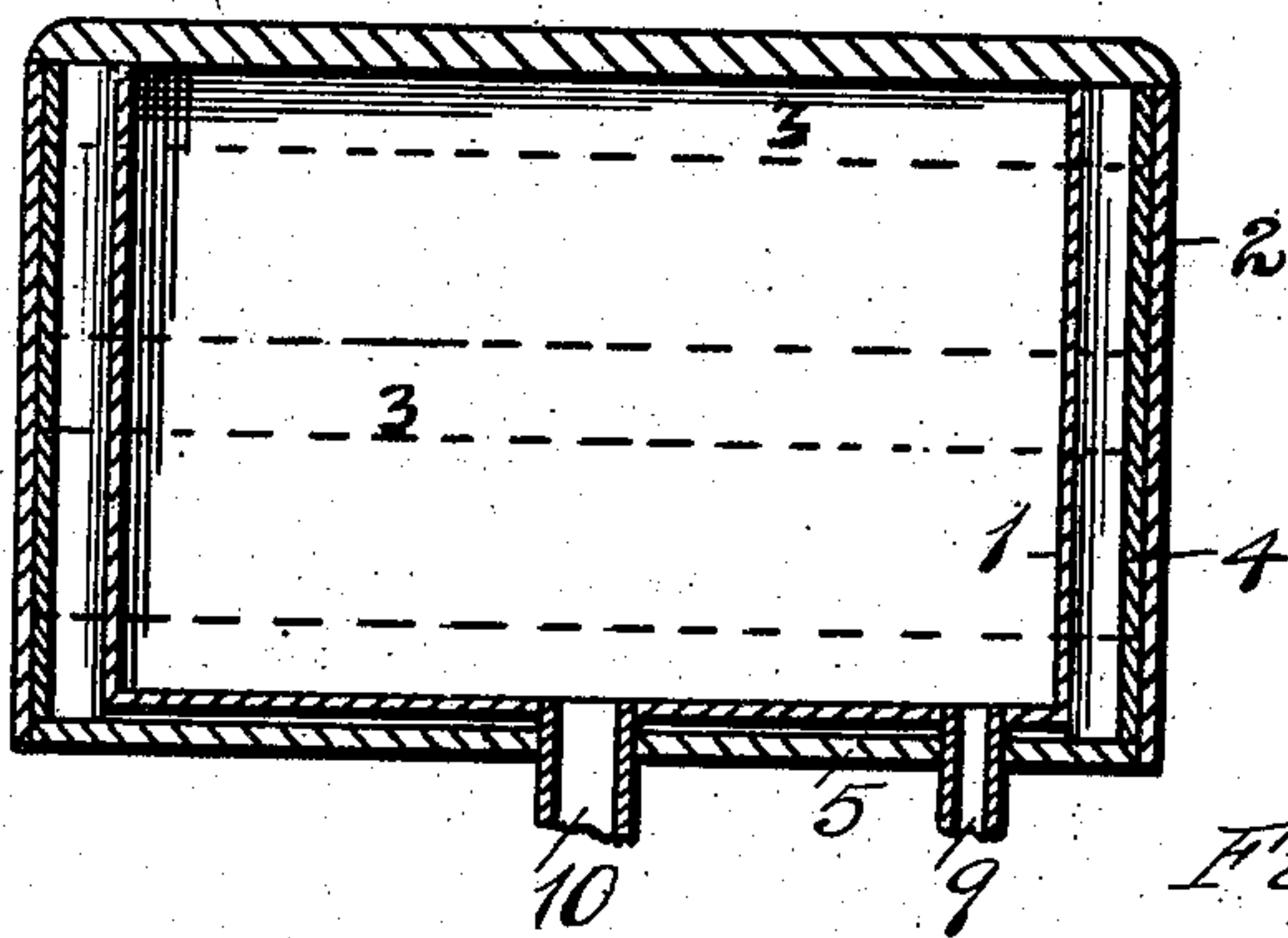


Fig. 2.

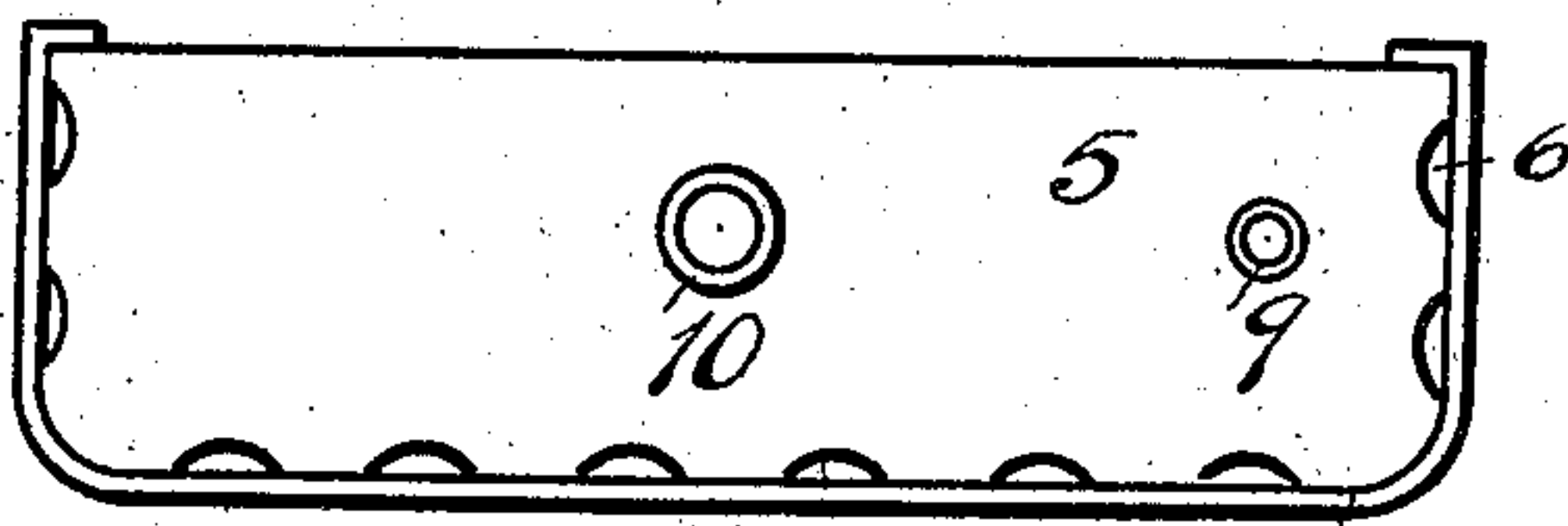


Fig. 3.

Witnesses

Clarence E. Day
V. C. Spratt

Inventor

Charles H. Van Wagoner

382

Parker & Burton

Attorneys

UNITED STATES PATENT OFFICE.

CHARLES H. VAN WAGONER, OF DETROIT, MICHIGAN.

WATER-TANK.

No. 907,920.

Specification of Letters Patent.

Patented Dec. 29, 1908.

Application filed October 19, 1906. Serial No. 339,601.

To all whom it may concern:

Be it known that I, CHARLES H. VAN WAGONER, a citizen of the United States, residing at Detroit, county of Wayne, State of Michigan, have invented a certain new and useful Improvement in Water-Tanks, and declare the following to be a full, clear, and exact description of the same, such as it pertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

This invention relates to water tanks.

It has for its object an improved metal guard for tanks.

The tank in which the water is contained is, in this invention, guarded and protected by an external tank of metal which is spaced from the water-containing tank by an intermediate sheet of corrugated metal that prevents the accumulation and retention of moisture between the two tanks and thereby prevents the injurious effect of standing water upon the metal. The external protecting or guarding tank is kept dry at all times.

In the drawings:—Figure 1, is a perspective of the tank with the cover removed. Fig. 2, is a vertical longitudinal section. Fig. 3, is a plan view of the bottom of the guard tank.

The internal tank 1 in which the water is contained is of the ordinary construction; it is inclosed within a guard tank of sheet metal, preferably sheet steel composed of a single sheet 2 of steel bent to form the front, sides, and to extend a short distance along the back. The back of the guard tank is finished or completed by strips 3, of wood or metal over the ends of which the sheet 2 is folded and made fast. The strips 3 need not form a tight closure at the back but need be sufficient only to hold the steel sheet 1 in place.

Between the guard plate and the water tank 1 is placed a sheet 4 of corrugated metal, preferably protected metal, such as galvanized iron or steel. The space between the two parts, the tank 1 and the guard 2 is narrow and the corrugations should extend from the one to the other of the two parts. Thus the tank and guard are braced by the corrugations of the intermediate plate and constitute a cheap and easily constructed device. The sheet 2 is made fast

to, and supported by, a wooden base 5 provided with ventilation openings 6 through which a circulation of air is maintained into the space between the tank and its guard.

The push rod 7 used to actuate the valve is held in a guide 8 riveted to the face of the sheet 2 but extends into the space between the tank and its guard by bending below the lower edge of the sheet 2 and rising between the tank and its guard within the space between them. The filling and emptying pipes 9 and 10 enter the tank 1 from the bottom, as in the ordinary method of construction, passing through the base board 5.

What I claim is:—

1. A guard for water tanks, having in combination a base provided with ventilation openings therethrough, sheet metal side walls extending about three sides thereof, strips extending across the back thereof and secured at the corners to said sheet metal constituting the side walls, and a spacing member interposed between the tank and the guard walls, substantially as described.

2. In combination with a base having ventilation openings at its ends and along one lateral edge, a tank provided with inlet and outlet apertures registering with cut-away portions of said base, a unitary sheet of metal forming a guard about the ends and the front lateral face of said tank, and a corrugated metal piece inserted between the walls of the tank and said sheet whereby the same is separated from the tank by said corrugated part and adjacent air spaces, substantially as described.

3. In combination with a tank adapted to be attached to a wall, a sheet of metal bent around its ends and across the front of said tank, strip members at the back holding said sheet of metal in position, a base having ventilation holes at its ends and along its forward lateral edge, and being provided with apertures for the passage therethrough of the inlet and outlet pipes of said tank, and a corrugated filling interposed between said sheet of metal and the tank whereby an air space is uniformly preserved, substantially as described.

4. In combination with a water tank, a guard therefor, comprising a base provided with ventilation openings therethrough, a guard wall of sheet metal rising from said base and extending around the ends and

front of said tank, strips uniting the sheet metal guard walls at the back of said tank, a supporting member interposed between the tank and said guard walls and provided with
5 cavities adapted to produce in conjunction with said tank and said guard walls air containing chambers, substantially as described.

In testimony whereof, I sign this specification in the presence of two witnesses.

CHARLES H. VAN WAGONER.

Witnesses:

LOTTA LEE HAYTON,
CHARLES F. BURTON.