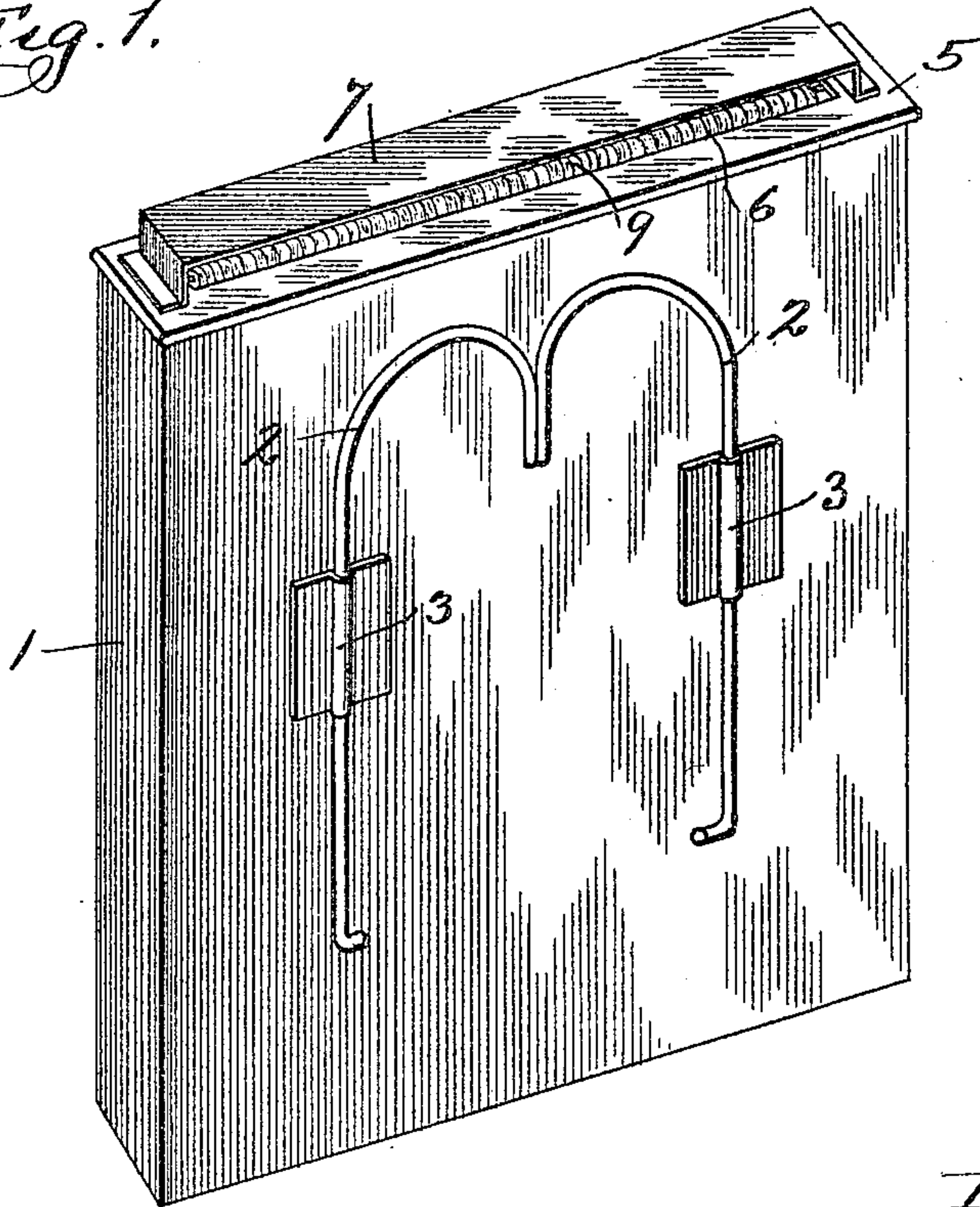


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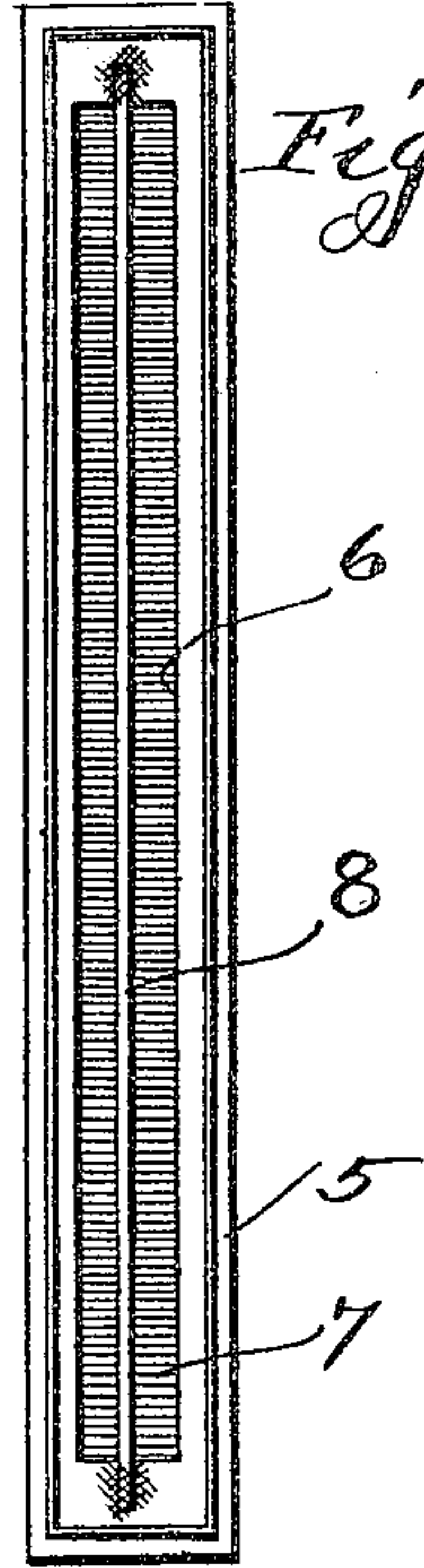
PATENTED OCT. 10, 1905.

C. E. FAYE.  
WATER EVAPORATOR FOR RADIATORS.  
APPLICATION FILED DEC. 27, 1904.

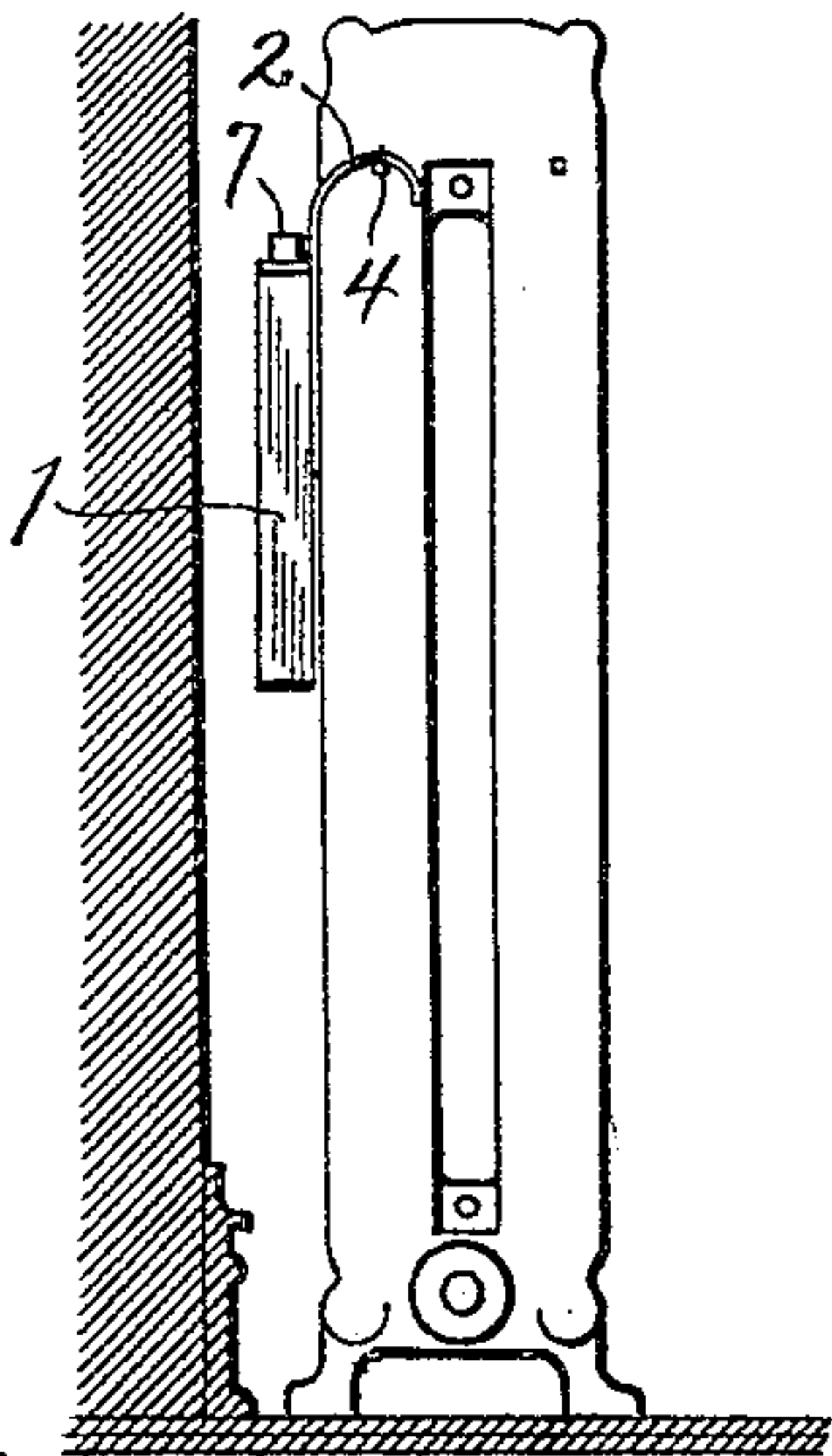
*Fig. 1.*



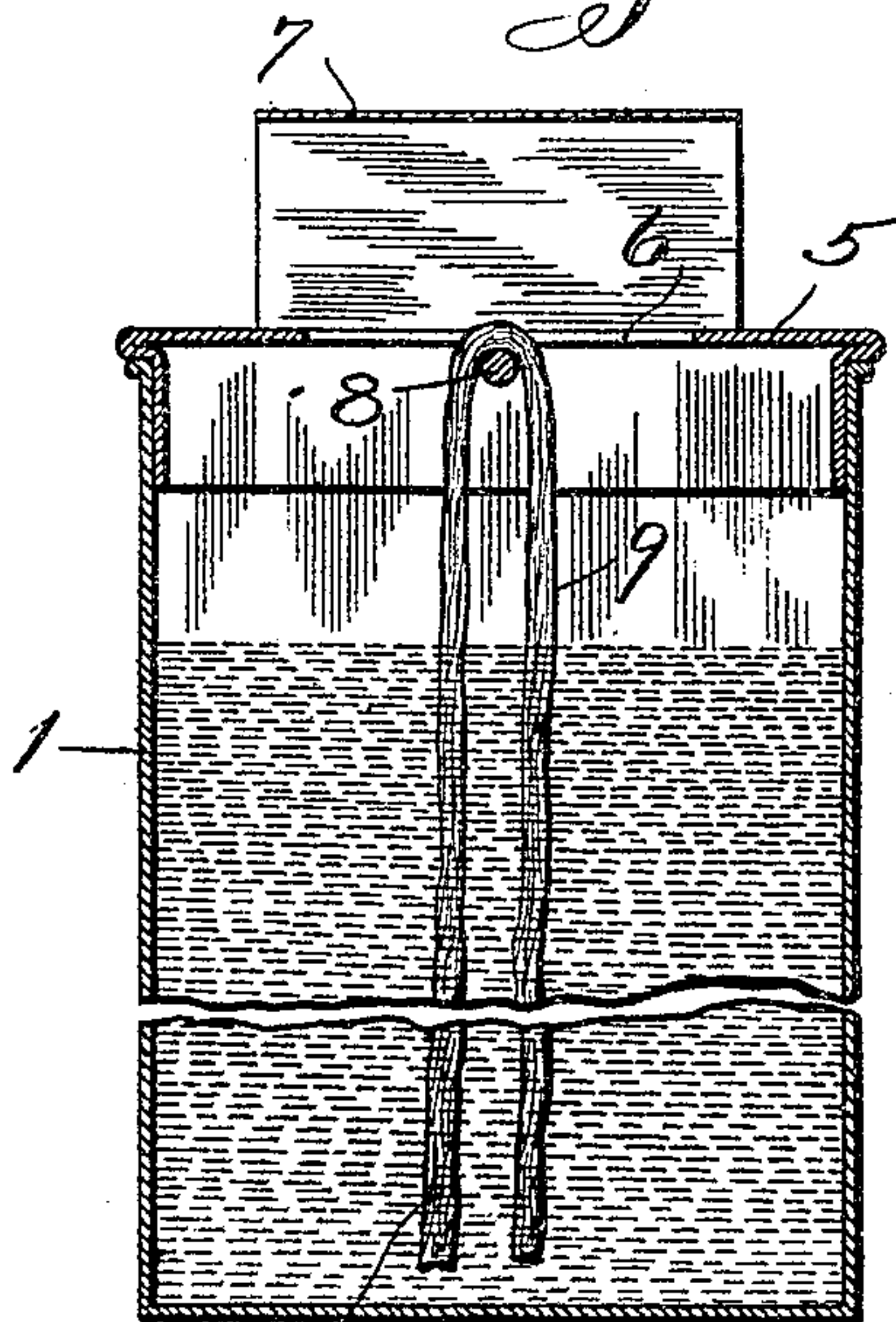
*Fig. 2.*



*Fig. 3.*



*Fig. 4.*



Witnesses:  
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Att'y



# UNITED STATES PATENT OFFICE.

CARL E. FAYE, OF CHICAGO, ILLINOIS.

## WATER-EVAPORATOR FOR RADIATORS.

No. 801,371.

Specification of Letters Patent.

Patented Oct. 10, 1905.

Application filed December 27, 1904. Serial No. 238,338.

*To all whom it may concern:*

Be it known that I, CARL E. FAYE, of Chicago, in the State of Illinois, have invented certain new and useful Improvements in Water-Evaporators for Radiators, of which the following is a specification.

This invention relates to an air-moistener for attachment to radiators for warming living apartments and offices.

One of the objects of my improvements is to provide a deep, wide, and thin vessel adapted to be attached to the side of a steam-radiator for applying thereto a thin and comparatively broad or greatly-extended column of water in order that it may be evaporated by the heat of such radiator and in order that the air-moistener shall not be objectionable on account of its projection from the radiator.

Another object is to provide such moistener with a cover which will prevent dirt from falling into the water and permit the escape of vapor therefrom through the cover.

Another object is to provide such moistener with a suspended wick for keeping the water in the vessel up by capillary attraction as the top surface of the column is lowered by evaporation.

I have attained these objects by the evaporator constructed as illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of an evaporator made to contain my invention. Fig. 2 is a detail showing a plan view of the cover inverted. Fig. 3 is a view, partly in section, showing an end view of steam-radiator with my air-moistener applied thereto on that side next to the wall of the room. Fig. 4 is a view showing an end or enlarged transverse vertical section through the vessel and its cover and the suspended wick.

In the drawings the numeral 1 is the vessel, which is made, preferably, of sheet metal, but porcelain or any suitable material may be used, the sides being about fourteen or more inches high by about fourteen to sixteen inches wide, with a thickness or space between the sides of from one and a half to two and a half inches. One side of the vessel is provided with one or more wire hooks 2, preferably connected by a sleeve 3 in which the hook's shaft can swivel so as to fold the hook flat against the side or turn it so as to project out from the side to be engaged with the radiator. The hook-shaft is also preferably extended through the sleeve for the purpose of adjusting the hooks vertically on the vessel

to suit the particular place of use. The wire below the sleeve can be slightly bent by the user to form a stop at the required height for the hook and to adapt it to the particular case in order to bring the vessel to the desired height upon the radiator. The hooks are designed to enter between the radiator-sections and engage over the lugs 4, Fig. 3, which hold them apart, and the swivel connection of the hooks, when more than a single hook is used, enables them to be turned more or less, and thereby be adapted to the space between the sections.

The vessel is made water-tight, but open at the top, which is provided with a flanged cover 5, the flange fitting within the opening in the top, as seen in Fig. 1. The cover is provided with a central slot or opening 6, and this is covered by a small raised cover 7, projecting over it at the sides and ends and secured at the ends, which are turned down upon the cover 5, so that the body of cover 7 may serve as a handle to cover 5, prevent dirt from falling through said central opening, and allow the vapor to escape through the same into the room. By thus providing a large area to the side or portion of the vessel which comes against the radiator in connection with the comparative thinness of the vessel structure, as shown, a sufficient heating-surface is furnished to a thin and comparatively broad or extended column of water containing a requisite quantity of water for the purpose is applied to a radiator so as to serve practically in moistening the air of the room without such projection of the evaporator from the radiator as to be objectionable or inconvenient or to result in disfigurement; also an inexpensive article is provided and one which is easily handled for cleaning and refilling with fresh water.

I extend a wire or bar 8 centrally along the slot or opening 6, Fig. 2, having its ends attached to the cover 5, and upon this wire I suspend a wick 9, preferably made of a strip of folded felt or like fibrous or porous substance, so as to be supported within and extend down to or nearly to the bottom of the vessel. The wick may be inserted through the slot 6 and under raised cover 7, so that the fold at the center or mid-length of the strip will rest upon the wire 8, so as to suspend the opposite parts in close proximity within the vessel. It will be observed the wick is nearly as wide as the interior of the vessel, as shown by the length of the wire 8, as seen in Fig. 2.

Thus arranged the wick or porous member  
sucks up and holds the water and moisture  
considerably above the upper surface of the  
water column in the vessel and coöperates  
5 with the thin vessel so long as it contains any  
water in maintaining an extended area in  
connection with the radiator adapted to give  
off moisture to the air of the room by the  
action of the heat from the radiator thereupon.

10 Having described my invention, what I  
claim, and desire to secure by Letters Patent,  
is—

1. The air-moistener vessel having substan-  
tially the described dimensions in height,  
15 width and thickness and provided with one or  
more hooks on one of its sides and a flanged

cover having a central slot or opening and a  
raised cover over the slot, as and for the pur-  
pose specified.

2. An air-moistener for radiators compris- 20  
ing an extended thin vessel open at the top,  
one or more adjustable hooks on one side of  
the vessel, a cover for the open top provided  
with a slot and having a raised cover over the  
slot, and a porous member supported within 25  
the vessel substantially as and for the purpose  
specified.

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Witnesses:

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