

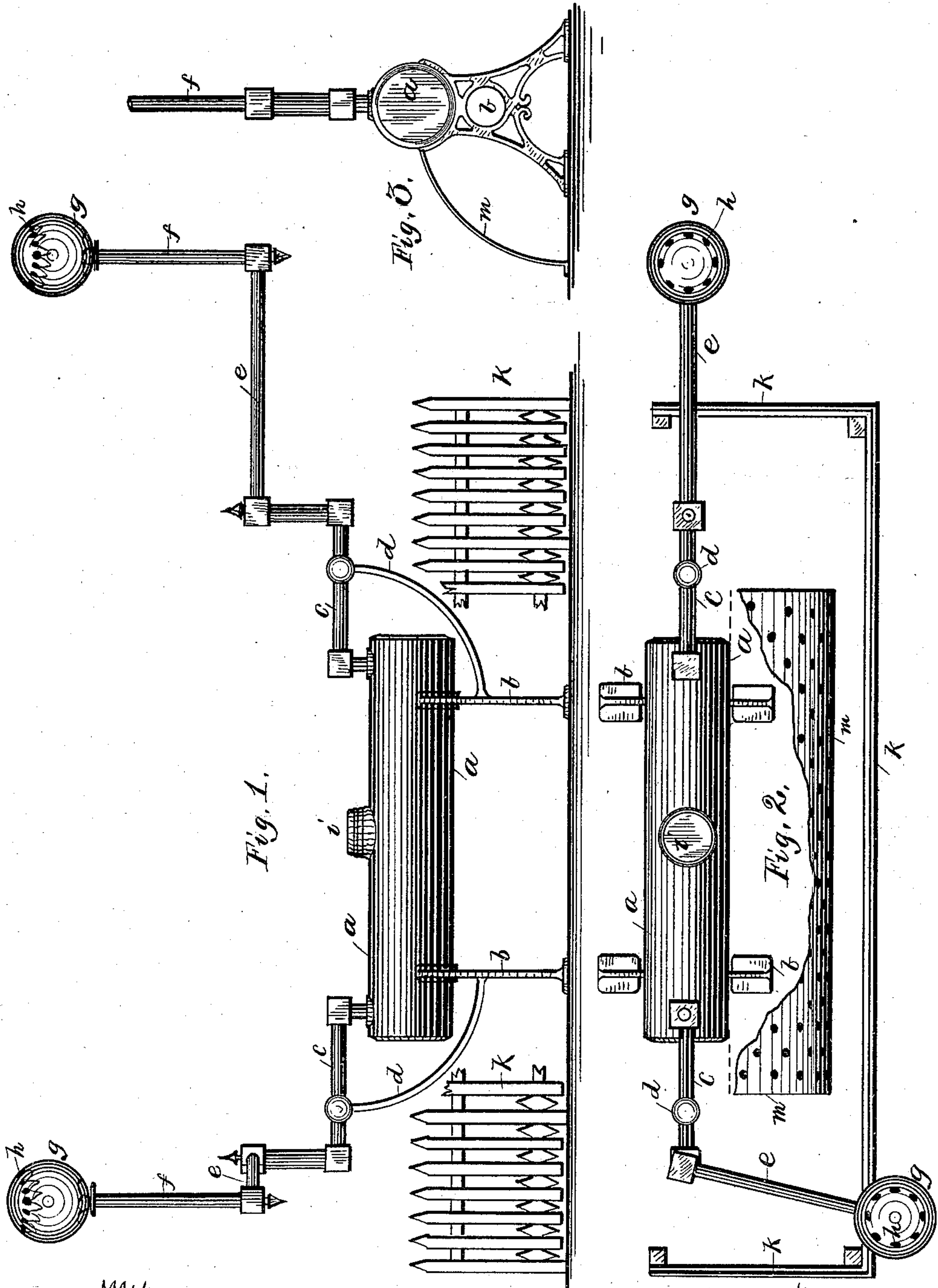
(No Model.)

T. BRADFORD.

AIR MOISTENER.

No. 365,785.

Patented July 5, 1887.



Witnesses:  
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# UNITED STATES PATENT OFFICE.

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## AIR-MOISTENER.

SPECIFICATION forming part of Letters Patent No. 365,785, dated July 5, 1887.

Application filed January 24, 1887. Serial No. 225,387. (No model.)

*To all whom it may concern:*

Be it known that I, THOMAS BRADFORD, a citizen of the United States, residing at Allegheny City, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Air-Moisteners; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to an improvement in air-moisteners, the objects being to provide a means whereby the dry atmosphere of a room may be moistened by vapor generated from water by the action of an ordinary fire-place, and also to provide a means for regulating and controlling the amount of moisture escaping from the apparatus; and with these ends in view my invention consists in certain details of construction, as will be fully set forth hereinafter.

In the accompanying drawings, Figure 1 is a front elevation of my improved air-moistener constructed in accordance with my invention. Fig. 2 is a plan view of the same. Fig. 3 is an end elevation.

To put my invention into practice and give the same bodily form, I provide a small tank or vessel, *a*, and mount the same on two ornamental legs, *b*. From each end of this tank *a*, I conduct a short horizontal tube, *c*, and support the same by a bracket, *d*, extending upwardly from the legs *b*. To these pipes *c*, I attach two others, *e*, in a manner that will admit of the same being revolved about and remain in any desired position. From the end of these last-mentioned pipes *e*, I erect perpendicular tubes *f*, having attached to the top of the same suitable ornamental globes, *g*, provided with a number of perforations, *h*, through which the steam or vapor generated in the tank *a* escapes into the room. About the center of the tank *a*, I provide an opening covered by a cap, *i*, by which means a supply of water may be kept in the tank *a*. At the front of the tank *a*, I place a semicircular

perforated shield, *m*, for the purpose of covering or concealing the under portion of the fire-place, thus completing the apparatus.

In operation the tank *a* is partially filled with water and the apparatus placed in the front of an open fire-grate, the heat of the fire generating steam in the tank *a*, which escapes in small quantities into the room through the pipes *c*, *e*, and *f*. If it is desired to increase the moisture of a room provided with this apparatus, the globes *g* are revolved and made to occupy a position away from the draft of the chimney-flue. If, however, the moisture of the room is more than necessary, one of the globes *g* is revolved directly to the front of the fire place, which allows the moisture to escape into the chimney-flue.

With this air-moistener I prefer not to use a fire-fender, but simply surround the apparatus by an open picket fence, *k*, or some other suitable design.

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

1. In an air-moistener, the combination consisting of the tank *a* and a means for supporting the same, having one or more revolving hollow brackets attached to and in communication with the same, and a means whereby water may be supplied to the tank *a*.

2. In an apparatus such as described, the tank *a*, mounted on suitable legs, *b*, and having the opening *i*, for supplying water to the tank *a*, the hollow revoluble brackets *c e f*, and the perforated globes *g*, substantially as and for the purpose set forth.

3. In an apparatus such as described, the combination consisting of the tank *a*, mounted on suitable legs, *b*, and a means for supplying water thereto, the hollow revoluble brackets *c e f*, and a perforated shield or cover, *m*, arranged at the front of the tank *a*, whereby the space beneath the fire-grate is concealed, substantially as set forth.

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Witnesses:

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