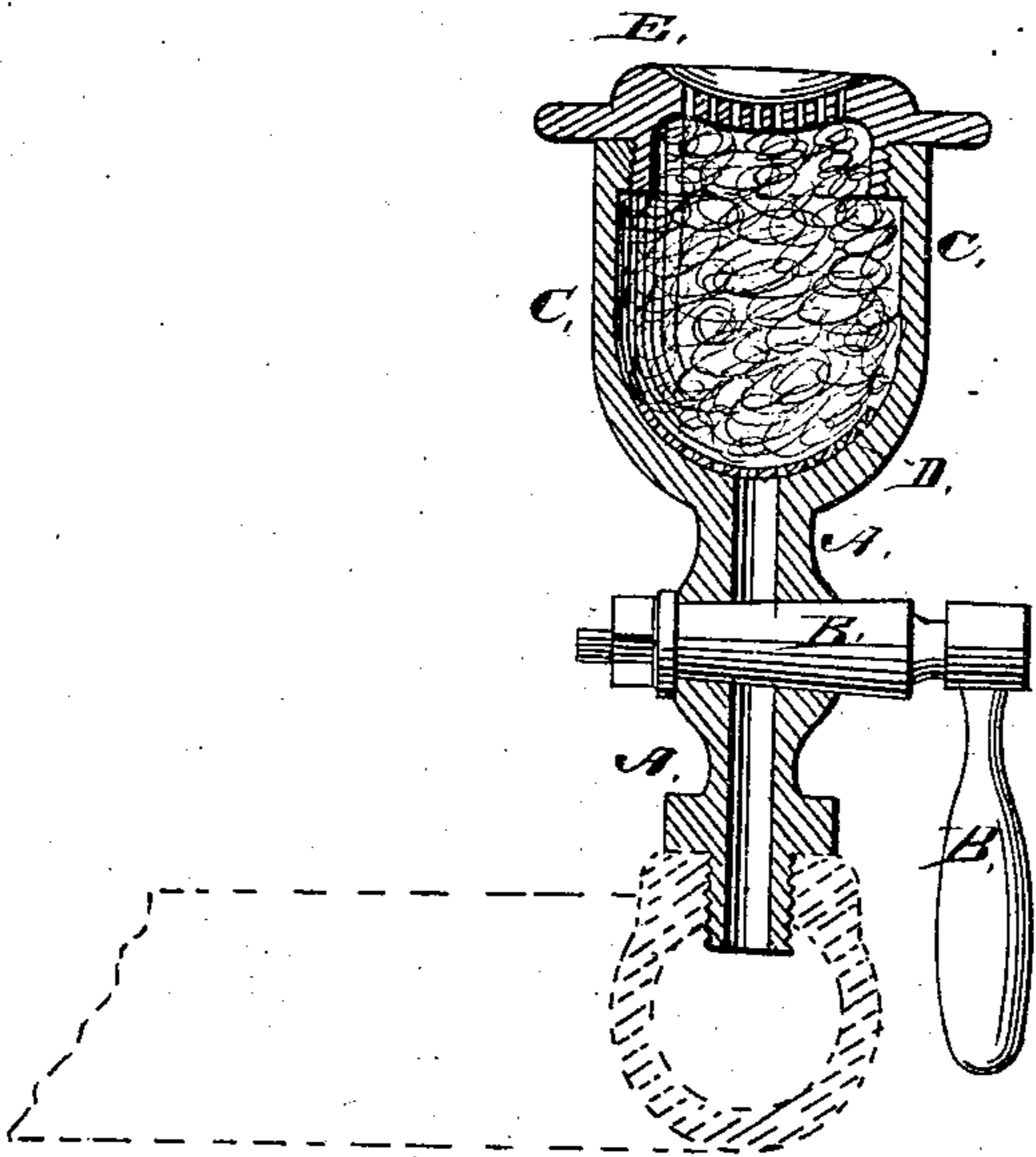


A. N. Allen,

Steam Heater.

No. 86,964.

Patented Feb. 16, 1869



Witnesses:
A. W. Almqvist
John A. Morgan.

Inventor:
A. N. Allen.
per *Munn & Co.*
Attorneys.



ALMON N. ALLEN, OF PITTSFIELD, MASSACHUSETTS.

Letters Patent No. 36,964, dated February 16, 1869.

STEAM-HEATER.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, ALMON N. ALLEN, of Pittsfield, in the county of Berkshire, and State of Massachusetts, have invented a new and improved Attachment for Steam-Heaters; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing, forming part of this specification, in which the figure is a detail sectional view of my improved device.

My invention has for its object to furnish an improved means for moistening the air of rooms heated by steam, so as to remove the dryness of the air of said rooms, and make them more comfortable and healthful, and at the same time prevent the shrinkage of the wood-work of the room; and

It consists in introducing steam from the steam-pipes or heaters into the room, and in the device by which this is accomplished, as hereinafter more fully described.

A is a short pipe, one end of which is screwed into the steam-pipe or radiator, and which is provided with an ordinary stop-cock, B, so that the passage of steam through the pipe A may be regulated or wholly interrupted, at will.

Upon the upper end of the pipe A is formed, or to it is attached, a cup, C, the size and form of which are immaterial, and which may be made to correspond with the ornamentation of the heater or room.

The cup C is provided with a perforated plate or lining, D, in its lower part or bottom, covering the

opening of the pipe A, and which may be detachable or permanently attached to said cup.

The cup C is also provided with a cap, E, screwed into its mouth, and which is perforated with numerous small holes.

The interior of the cup C is stuffed or packed with hair, cotton, felt, or other similar material, which may be packed closely, and which will interrupt, check, or minutely divide the steam, so that it may pass noiselessly through the device, the perforated plate D also assisting to produce this effect by partially dividing the steam as it enters the cup C.

Having thus described my invention,

I claim as new, and desire to secure by Letters Patent—

1. The mechanical device, herein described, by which steam from the steam-pipe or radiator of the heater, or from the boiler itself, may be introduced into the room noiselessly, and in any desired quantity, substantially as and for the purpose set forth.

2. The combination of the pipe A, stop-cock B, cup C, packed with hair, or equivalent material, perforated plate D, and perforated cap E, with each other, when used in connection with the pipe or radiator of a steam-heater, substantially as herein shown and described, and for the purpose set forth.

The above specification of my invention signed by me, this 23d day of November, 1868.

Witnesses:

ALMON N. ALLEN.

ALEX. F. ROBERTS,

JAMES T. GRAHAM.