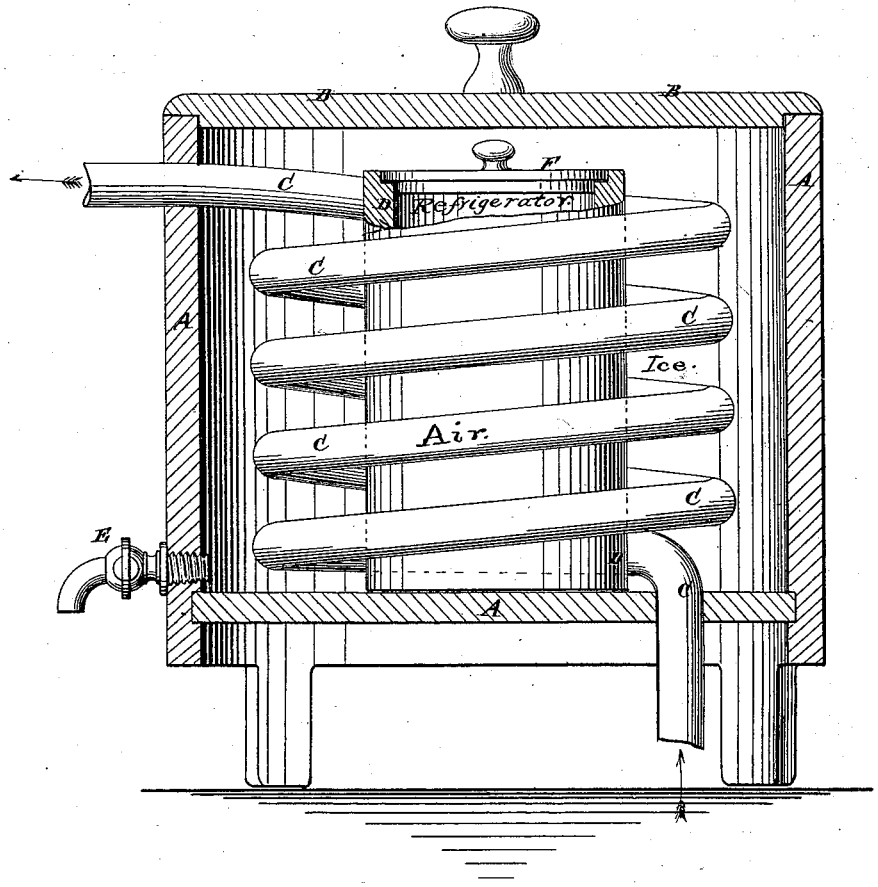
W. BRAEUNLICH.

Cooling-Apparatus for Rooms.

No. 164,421. Patented June 15, 1875.



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UNITED STATES PATENT OFFICE.

WILLIAM BRAEUNLICH, OF NEW YORK, N. Y.

IMPROVEMENT IN COOLING APPARATUS FOR ROOMS.

Specification forming part of Letters Patent No. **164,421**, dated June 15, 1875; application filed May 15, 1875.

To all whom it may concern:

Be it known that I, WILLIAM BRAEUNLICH, of the city, county, and State of New York, have invented a new and useful Improvement in Cooling Apparatus for Rooms, Public Halls, &c., of which the following is a specification:

The figure is a vertical section of my improved apparatus.

The object of this invention is to furnish a simple, convenient, and effective apparatus for cooling the rooms of dwellings, public halls, lecture-rooms, theatres, and other rooms and buildings, so as to make them delightfully cool even in the hottest weather.

The invention consists in the combination of the outer tank, the coiled pipe, and the inner tank with each other, to adapt the device to be used in connection with a force-blast blower and a freezing-mixture, as hereinafter fully described.

A is a tank, which may be made larger or smaller, according to the size of the room or rooms to be cooled, and which I prefer to make cylindrical in form to economize space and material. The tank A is provided with a closely-fitting cover, B. Within the tank A is placed a coiled pipe, C, the upper end of which passes out through the upper part of the tank A, and is led into the room to be cooled. The lower end of the pipe C passes out through the bottom or lower part of the tank A, and is connected with a force-blast rotary blower, or some other blower that will drive a current of air with force, and which may be driven by steam or other power, or by hand. In the center of the tank A and coil C is placed a cylindrical tank, D, smaller than the coil C, so that there may be about the same space upon the outer and inner sides of the said coil C. The space around the coil C is then filled with shaved ice and salt, or any other desired freezing-mixture, which will cool the current of air passing through the coil C, so that when introduced into a room it may reduce the temperature of said room to any desired point. The tank A is provided with a faucet, E, to enable the waste water to be drawn off, as desired. The inner tank D is provided with a cover, F, so that it may be used as a refrigerator, or for the reception of articles that are required to be kept cold.

I am aware that it is neither new to cool air by passing it through tubes in an ice-chamber, nor to force air with a rotary blower over ice in a close chamber; but

What I claim is—

The combination of outer tank A B for the freezing-agent, the intermediate coiled pipe C, inner preserving-tank D F, and a force-blast blower, substantially as and for the purpose specified.

WILLIAM BRAEUNLICH.

Witnesses:

JAMES T. GRAHAM,

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