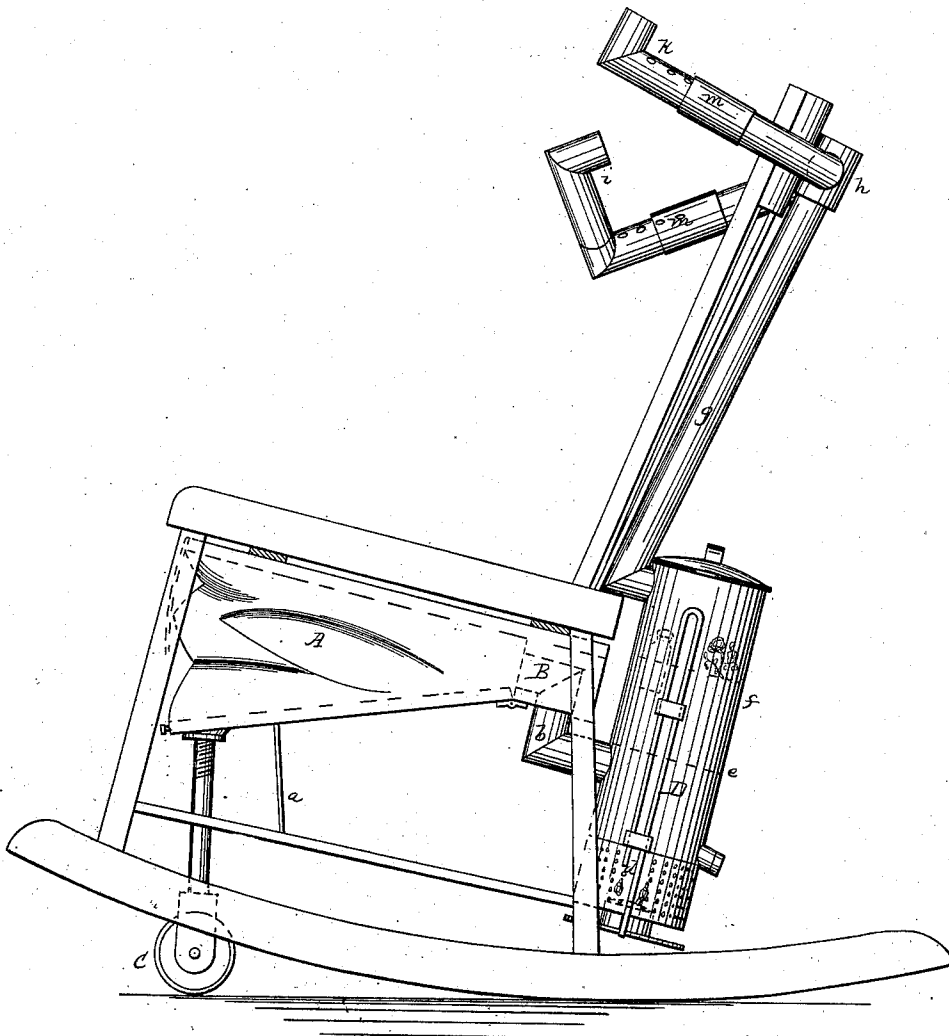


J. W. Smith,

Vapor Bath,

N^o 32,384.

Patented May 21, 1861.



Witnesses.

*Wm. L. Hall
William Jacobus.*

Inventor.

*John W. Smith
By his Attys
Almos Woodhug*

UNITED STATES PATENT OFFICE.

JOHN W. SMITH, OF IOWA POINT, KANSAS.

CHAIR FOR DISSEMINATING MEDICATED VAPORS.

Specification of Letters Patent No. 32,384, dated May 21, 1861.

To all whom it may concern:

Be it known that I, JOHN W. SMITH, of Iowa Point, in the county of Doniphan and State of Kansas, have invented a new and useful Improvement in Medicated-Vapor Apparatus for Preparing and Inhaling Air; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing, making a part of this specification, and to the letters of reference marked thereon.

The object of my invention is to produce a current of air; prepare it by heating or cooling; and impregnate it with vapors, medicines, or scents, as may be required; and finally place it at the ready disposition of the patient for purposes of inhalation, or otherwise, as may be desired.

It consists of a rocking chair with a bellows attached in such a way that the rocking of the chair propels a large volume of air through a receptacle, where it is medicated or prepared, and from which it is delivered to the occupant of the chair for inhalation.

The drawing represents an ordinary rocking chair with the apparatus of my invention attached.

A is the bellows placed under the seat, to which it is secured by the upper board. The lower board of the bellows is strongly hinged to the nozzle piece B, and is connected on each side to a rail of the chair by an india-rubber spring *a*. The bellows rests on the roller or caster C, which is shod with india-rubber to prevent noise or tearing the carpet. As the chair may be rocked forward, the bellows will be closed by the pressure of the caster on the floor; and when it is tilted backward, the opening of the bellows for a fresh supply of air through the ordinary clack valve of the bottom is insured by the springs *a, a*. Behind the seat of the chair is placed a metal cylinder, which I usually term a receptacle, divided by horizontal partitions into parts severally designed for special purposes. The lower part has perforated sides, and a shifting bottom carrying a lamp that may be adjusted by the springs *d, d*. The division D has a tight bottom that may be heated by the lamp underneath. It is designed to contain water or other liquids which may be vaporized to im-

pregnate the current of air entering from the bellows through the pipe *b*. It also has a plug or tap by which the fluid may be drawn off. *e* and *f* are movable perforated partitions between which ice may be packed to refrigerate the air before it reaches the patient. In the upper part of the receptacle may be placed flowers or medicines or anything else luxurious or useful that may be suggested by the fancy or dictated by necessity to impregnate the air. The top or lid of the receptacle is fitted air-tight with an india-rubber ring. A pipe *g* leads from the receptacle to the head *h* at the top of the chair, whence it branches on either side with shifting nozzles *i, k*, that may be used for purposes of inhalation, or warming or cooling the air about the patient. The adjustable sleeves *m m* are slipped over the tubes to close the holes in their sides when desirable. These pipes may be made of metal with movable joints as illustrated by the drawing, or of gutta-percha or india rubber. If of metal, they should be lined with lamb skin to obviate the whistling through them of the air.

The operation of my machine is easily effected by the occupant of the chair, whose gentle rocking forces the air from the bellows through the pipe *b* to the receptacle where it is prepared as may be desired, and delivered to the pipe *g* which conveys it to the head *h*, whence it is distributed into the side pipes *i* and *k*.

There is a button attached to the front of the lower board of the bellows by which it may be looped up when the simple use of the chair may be desired without the operation of the medicating apparatus.

This medicating apparatus may be applied to any seat, and may be worked by steam or other power by the application of a pitman to the bellows.

I claim as my invention and desire to secure by Letters Patent,

The combination of flexible tubes, and of a receptacle in which the air may be impregnated with vapor, as described, with a chair and bellows for the purpose of producing medicated air or vapor.

JOHN W. SMITH.

Witnesses:

ROLLIN B. GRAY,
JAMES JOHNSTONE.