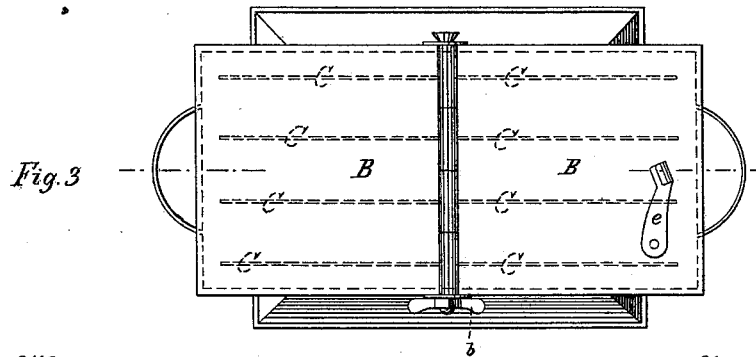
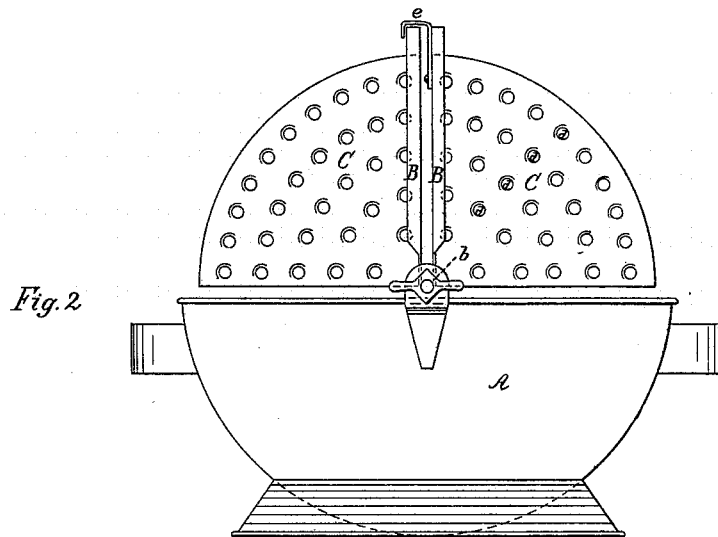
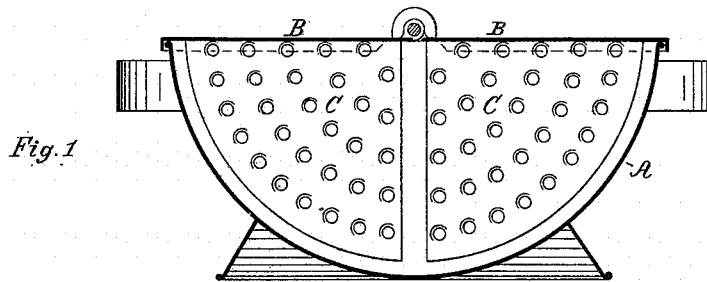


C. P. BALL.
Vaporizer.

No. 214,349.

Patented April 15, 1879.



Witnesses:
J. T. Wheret
Blomfield Little.

Inventor:
Chas. P. Ball.
By Chas. W. Jordan
Attorney.

UNITED STATES PATENT OFFICE

CHARLES P. BALL, OF DANVILLE, KENTUCKY, ASSIGNOR OF ONE-HALF HIS
RIGHT TO WILLIAM H. WHITON, OF NEW YORK, N. Y.

IMPROVEMENT IN VAPORIZERS.

Specification forming part of Letters Patent No. **214,349**, dated April 15, 1879; application filed
December 5, 1878.

To all whom it may concern:

Be it known that I, CHARLES P. BALL, of Danville, in the county of Boyle and State of Kentucky, have invented a new and useful Improvement in Vaporizers; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a central sectional view of the device in a closed position; Fig. 2, a side elevation of the same in an open position; and Fig. 3, a plan view.

My invention relates to vaporizers, consisting of a covered receptacle that may be kept closed when not in use, and when opened shall present an extended evaporating-surface, upon which a medicament contained in such receptacle may adhere, and by exposure emit vapors or fumes to be inhaled by a patient afflicted with lung or throat diseases; and in order that others may understand and use my invention, I will first proceed to describe a device embodying the same, and to subsequently point out in the claim its novel characteristics.

In the drawings, A represents the body of the receptacle, and B B the covers or lids, and which may be made of any suitable material. These covers or lids are hinged centrally, as shown, and one or both may be fully or partially opened when the device is in use, the pivot of the hinge having a thumb-screw, *b*, attached at one end to compress the parts forming the hinge-joint, so as to maintain the respective lids in any desired position. A pivoted catch, *c*, may also be applied to connect together the respective parts forming the cover, as shown in Fig. 3.

Upon the inner side of each portion of the

cover I have arranged a series of wings, C, of such contour as to shut within the receptacle when the cover is closed, and become immersed in the medicament, so that when the cover is opened such medicament will adhere to the wings and expose an extended evaporative surface. Any number of such wings, that may be conveniently arranged as described, may be employed, and any suitable form of the same may be adopted in their construction; and said wings may also be perforated, as shown, to improve their operation, the raised burr *d* surrounding each perforation when the latter is produced by punching, facilitating the lifting and adhesion of the medicament.

Any well-known liquid or plastic medicament may be used in this device, and I have found that a mixture of tar and glycerine in such proportions as to render the whole soft and pliable possesses high medicinal properties for such diseases as before mentioned, and is readily taken up and retained by the exposed surface.

I am aware of the patent granted to A. J. Sax, June 20, 1865, No. 48,352, and disclaim the construction therein shown and described.

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

The receptacle A, provided with the independently-hinged covers or lids B B, each having a series of perforated wings, C C, arranged parallel with the sides of the receptacle and formed to close within the same, substantially as set forth.

CHARLES P. BALL.

Witnesses:

J. B. MCFERRAN,
W. O. GOODLOE.