

(No Model.)

M. SCHÖN.  
STEAM INHALER.

No. 421,527.

Patented Feb. 18, 1890.

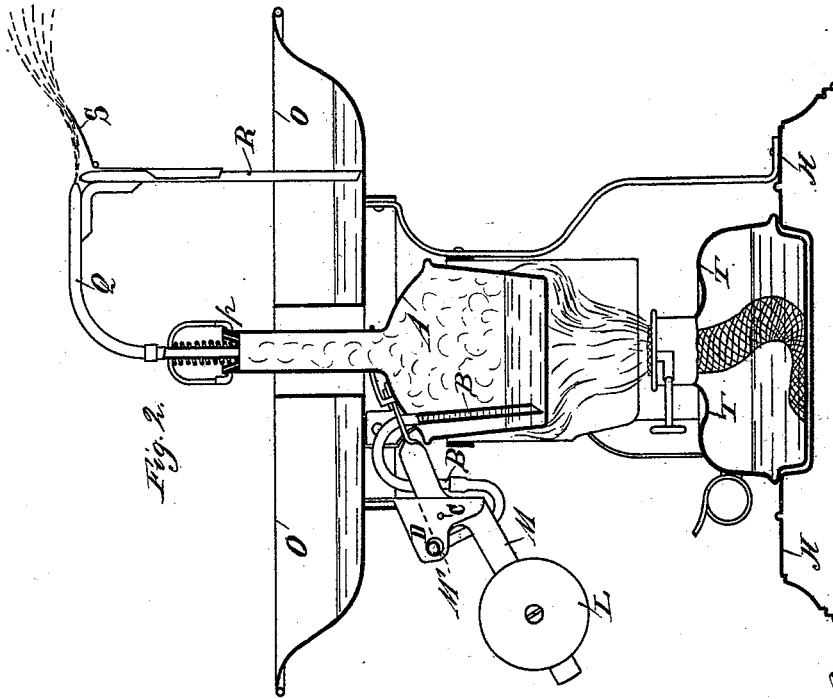


Fig. 2.

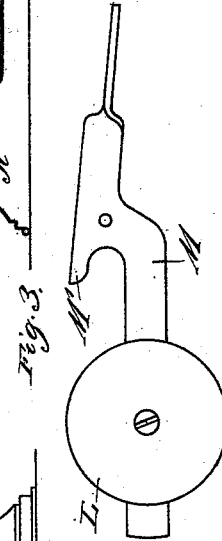


Fig. 3.

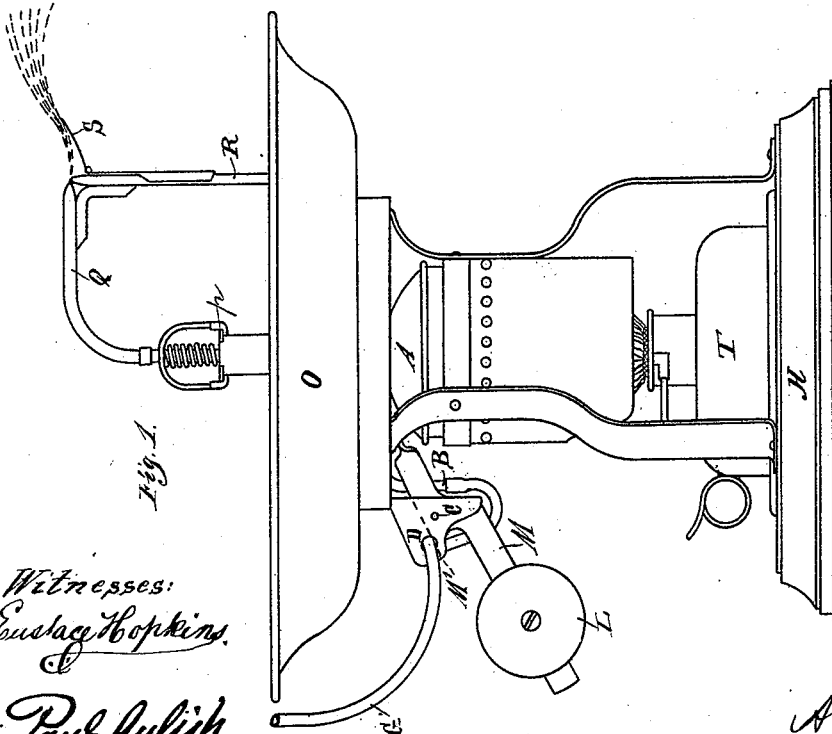


Fig. 1.

Witnesses:  
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# UNITED STATES PATENT OFFICE.

MORITZ SCHÖN, OF CRIMMITZSCHAU, SAXONY, GERMANY.

## STEAM-INHALER.

SPECIFICATION forming part of Letters Patent No. 421,527, dated February 18, 1890.

Application filed November 16, 1889. Serial No. 330,577. (No model.) Patented in Germany March 24, 1889, No. 48,968.

*To all whom it may concern:*

Be it known that I, MORITZ SCHÖN, a subject of the King of Saxony, and a resident of Crimmitzschau, in the Kingdom of Saxony, German Empire, have invented certain new and useful Improvements in Steam-Generating Apparatus, (for which I have obtained Letters Patent in Germany, No. 48,968, dated March 24, 1889,) of which the following is an exact description.

My invention relates to an improved steam-generator for inhalation purposes, by means of which it is possible to produce a continual supply of steam for any length of time.

In order to make my invention more clear, I refer to the accompanying drawings, forming part of this specification, in which similar letters denote similar parts throughout the several views.

Figure 1 is a side elevation of the apparatus. Fig. 2 is a vertical section of the same. Fig. 3 is a view of the lever-arm M.

The basin O, for reception of the liquid to be inhaled, is supported on three standards attached to the foot-plate H. The basin O surrounds the neck of the boiler A, which boiler is supported on lever-arm M, pivoted at C to the bracket D. Bracket D is supported on a ring attached to the upper end of the standards. The exact shape of lever M may be clearly seen in Fig. 3. To the outward end of lever M is attached weight L. A cylinder is fixed to the three standards round the boiler, between which cylinder and the boiler the flame of lamp T burns. Lamp T stands in the cavity in the foot-plate H. B is the water-supply pipe for the boiler A. It is a combination-pipe, the part next the boiler being of metal, while that part G of the pipe passing through the hole in bracket D is india-rubber. Pipe G B connects the boiler with the water-supply.

The upper end of the neck of boiler A is connected in the usual manner by intervening valve *p* with the steam-blow-off pipe Q, pipe R communicating with the liquid in

basin O, and is attached at right angles to the pipe Q. S is a brush for elevating the jet. The boiler, when filled with water, will be heavier than weight L, and consequently the india-rubber tube passing through the hole in the bracket D will be pressed together and the water-supply shut off. As soon, however, as the water in the boiler has evaporated to a certain extent—to be regulated by the position of weight L on the lever-arm M—the boiler becomes lighter and rises, lever-arm M falls at the weight end, and the tube is released from the pressure of the shoulder M' of the same. The water-supply pipe is thus opened and water flows into the boiler until the same has become full enough to overbalance weight L, when the shoulder M' rises, closing the water-supply.

I do not confine myself to shutting off the water-supply by means of the compression-cock just described. I can also substitute a plug stop-cock and make the handle of the same to be actuated by the lever M. I can also substitute a spring for the counterbalance-weight.

Having thus fully described my invention, what I desire to secure by Letters Patent of the United States is—

1. An apparatus for purposes of inhalation, consisting of a boiler supported by a lever and a counterbalance mechanism operating the water-supply cock, for the purpose as described.

2. The combination of boiler A, having valve *p* and steam-outlet Q, lever M, having weight L, water-supply pipe B G, bracket D, basin O, pipe R, having brush S, cylinder round boiler, and lamp, in the manner and for the purpose substantially as described.

In witness whereof I have hereunto set my hand in presence of two witnesses.

MORITZ SCHÖN.

Witnesses:

ALBIN GERISCH,  
MAX. SCHUMANN.