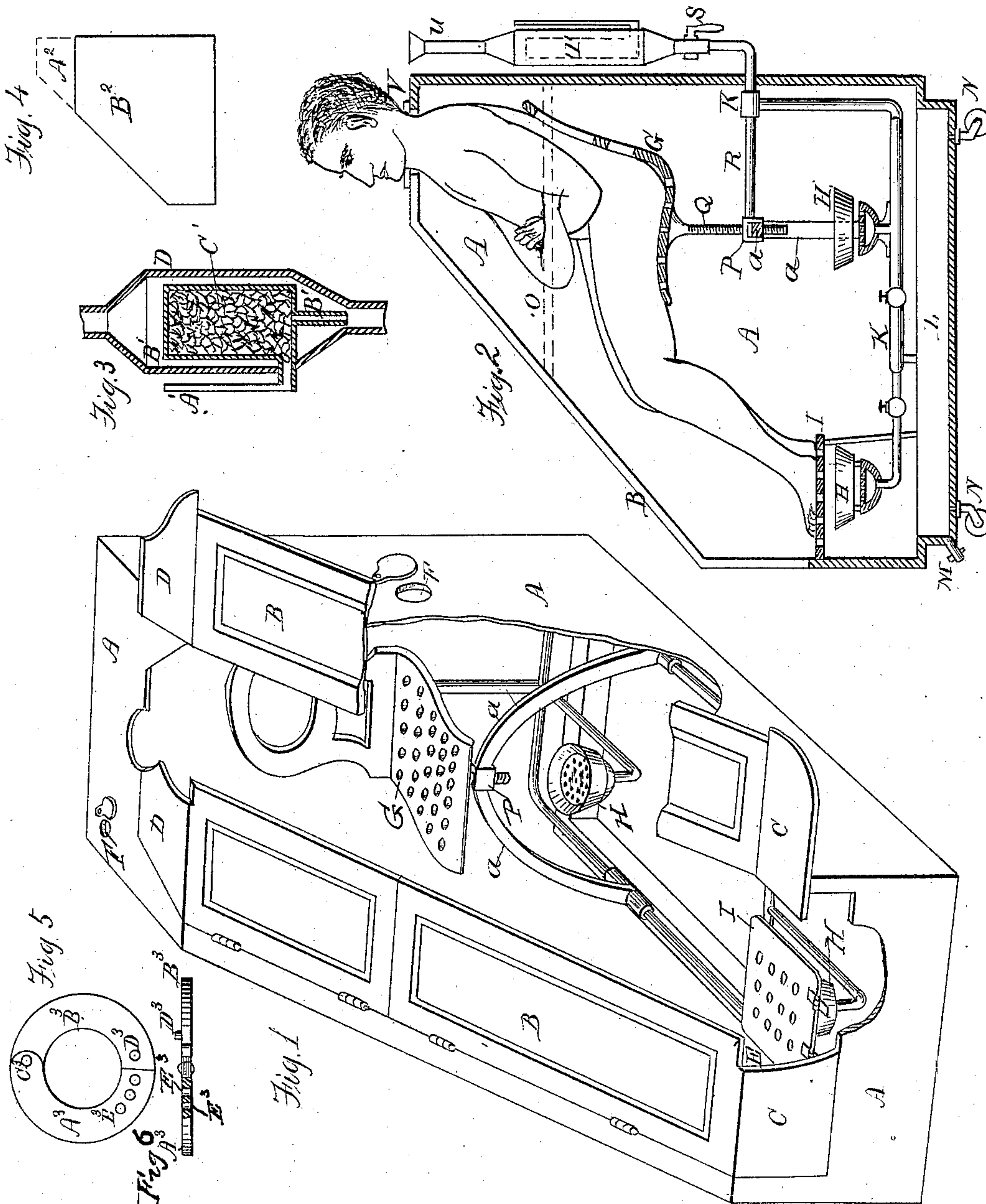


(No Model.)

J. B. CROCKER.
BATHING APPARATUS.

No. 257,151.

Patented May 2, 1882.



Witnesses

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UNITED STATES PATENT OFFICE.

JOHN B. CROCKER, OF CHICAGO, ILLINOIS.

BATHING APPARATUS.

SPECIFICATION forming part of Letters Patent No. 257,151, dated May 2, 1882.

Application filed September 21, 1881. (No model.)

To all whom it may concern:

Be it known that I, JOHN B. CROCKER, a resident of the city of Chicago, county of Cook, and State of Illinois, have invented a new and
5 useful Hot-Air and Vapor Bathing Apparatus, as set forth in the following specification.

The object of my invention is to overcome all chronic conditions, to extirpate from the system all mercurial and other poisons, to open
10 the capillaries, carry off all impure secretions, arouse the dormant glands to healthy action, equalize the circulation, and produce and maintain harmony between all the functions and forces in the human economy.

15 I attain my object through the application of the thermal or positive principle, (heat,) alternated by its relative opposite, until a perfect balance and harmonious blending between the positive and negative, the magnetic and
20 electric forces, are produced, which are nature's preventive, as well as cure, for all diseases, whether in acute or chronic form.

My invention consists in certain improvements, as hereinafter described and claimed,
25 in portable bathing apparatus.

The following is a full, clear, and exact description of my invention, reference being had to the annexed drawings, making part of this specification.

30 Figure 1 is a perspective view of the apparatus, with a portion of the door removed to show its interior. Fig. 2 is a vertical section of the same. Fig. 3 is a vertical section of the gas-generator. Fig. 4 is a sectional view of
35 the outer casing. Fig. 5 is a view of the movable adjustable collar. Fig. 6 is an edge view, partly in section, of the movable adjustable collar.

Referring to the annexed drawings, A A A
40 represent the outer casing of the apparatus, which is made in two separate sections and joined together, making one piece. The two sections can be united and disunited at will. It has folding doors and a movable adjustable
45 collar. B B represent the folding doors, by which entrance to and exit from the interior is made. To the ends of the folding doors are added and firmly secured parts of the top pieces,
50 D D, and upper part of the lower front end pieces, C C. These parts of top and lower front are divided or cut in two by oblique curved lines

E E, by means of which I am enabled to open and shut easily and without any interference both the door's top and lower front at one and the same time, they being united together in
55 one piece. By this improvement I am able to dispense with the old-style sliding or hanging top and the inconveniently high lower front; also I thereby economize fully ten per cent. in the length of the apparatus. Apertures F are
60 provided in the sides or other convenient parts of the casing A, through which the attendant's hand can be introduced to regulate the flow of gas, rubbing the bather, and for other purposes. When the doors and apertures are
65 closed and the collar adjusted the casing is almost air-tight, and serves the purpose of enclosing the person and retaining the hot air or vapor during the time occupied in taking a bath. The casing may be made of galvanized
70 iron, wood, or any other suitable material. The head of the person bathing always remains outside the casing of the apparatus, and by means of the movable adjustable collar perfect freedom of movement for the head and an easy
75 sitting posture are always secured. It also insures an abundance of pure fresh air for breathing purposes without interfering with the temperature within the casing. The interior of the casing is furnished with a revolving chair,
80 a perforated footstool, two gas-burners, and heat-radiators, which are connected to the gas-generator by regular gas-pipes and proper stop-cocks.

Fig. 2 is a vertical section of the apparatus. 85 A A represent the two sections of the outer casing. The dotted lines O show the point of union where the upper and lower sections meet. V represents the movable adjustable collar; B, the doors. G represents the revolving chair, 90 having perforated seat. P represents the socket which receives the screw Q, by which the chair is raised or lowered at will to meet any height and desired position. This screw is firmly secured to the under part of the seat of the chair. 95 The socket P is attached to the arm R, which is screwed into the coupling of the main pipe and supports the chair. Two extra iron rods, a, as auxiliary supports, are also provided to secure the chair. I represents the perforated
100 footstool, which swings on hinges in such a manner that it can readily be removed for ig-

niting the gas, which is situated directly under-
 neath the stool, which serves as a rest for
 the feet of the bather. H H represent the two
 burners and heat-radiators. They are made
 5 from corrugated copper plates, and at the apex
 of the corrugations are perforated, through
 which perforations the gas passes and is ignited.
 K K represent the pipe-connections which unite
 the burners with the gas-generator U T, hav-
 10 ing stop-cock S, and which is attached to the
 outer casing. L represents the bottom of the
 bath. This floor is made so as to receive and
 hold all water used in washing off the person
 bathing, together with that used in cleansing
 15 the bath. M represents the spout and stop-
 cock through which the water is drawn off.
 N is a representation of the casters, which are
 secured to the wooden frame and serve to roll
 the apparatus from one room to another and
 20 from place to place.

Fig. 3 is a vertical section of the gas-gener-
 ator. A' represents a glass tube which serves
 as an index, and always gives the exact condi-
 25 tion of the chemical, which is taken up and ab-
 sorbed, through capillary attraction, by the
 fibrous substance C'. B' B' represent the air
 passages or channels, and as soon as the air
 comes in contact with the chemical it becomes
 charged with all the elements of combustion, be-
 30 comes heavier than the outside atmosphere, and
 gravitates downward through the pipes to the
 corrugated burners and is ignited as readily
 as common coal or hydrogen gas. D' repre-
 sents the outer casing of the gas-generator,
 35 which is made of metal and rendered air-tight,
 except at the points of entrance and exit of the
 air and gas, where it is provided with the nec-
 essary stop-cocks, and the intensity of the heat
 is always under perfect control.

40 Fig. 4 represents the lower section of the cas-
 ing B². The dotted lines A² show the upper
 section removed. By constructing the casing
 in sections I am able to administer a partial
 or a full bath. Thus I meet the necessities of
 45 all those persons who suffer from heart and
 brain difficulties. Where a full bath would
 not be beneficial, a partial bath has the effect
 of stimulating the lower parts of the body,

and draws down the forces from above to the
 lower extremities without exciting or intensi- 50
 fying the brain or heart.

Fig. 5 represents the movable adjustable col-
 lar V. It is made from two semicircular pieces
 of metal or other material, A³ B³. These two
 pieces are fastened together by the pivot C³, 55
 which forms an axis or center upon which they
 open and close together. They overlap in
 front, and are provided with a proper catch,
 D³, which easily slides into any one of the
 holes E³, holding the collar in position. The 60
 various holes form a graduating scale, and
 can be adjusted to meet the required size of
 either small or large necks, and it gives free-
 dom of motion to the head, is adjustable to
 any posture, and is easily removed to spray 65
 and wash off the bather.

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

1. In a portable bathing apparatus, the cas- 70
 ing A, formed of two separate sections, and
 having folding doors B B, to which are secured
 the lower front end pieces, C C, and the top
 pieces, D D, and apertures F F in the sides
 thereof, substantially as and for the purposes 75
 set forth.

2. The combination, with a portable bath-
 ing apparatus, of the adjustable collar V, con-
 sisting of two semicircular portions, A³ B³,
 pivoted together at C³, and having catch D³ 80
 and perforations E³, substantially as and for
 the purpose set forth.

3. In a portable bathing apparatus, the re-
 volving chair G, having perforated seat, cen-
 tral support, P Q R, and auxiliary supports a 85
 a, and the hinged and perforated footstool I,
 substantially as set forth.

4. In a portable bathing apparatus, the gas-
 generator U T, having glass indicator-tube A'
 and air-passages B' B', perforated heat-radia- 90
 tors H, and connecting-pipe K.

JOHN B. CROCKER.

Witnesses:

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