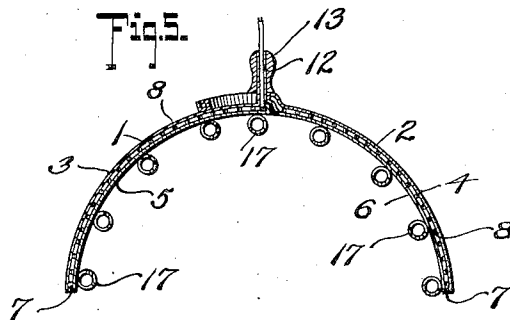
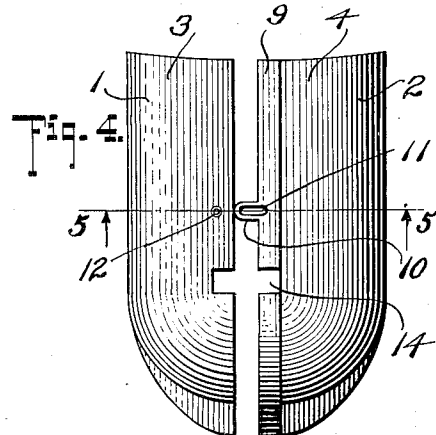
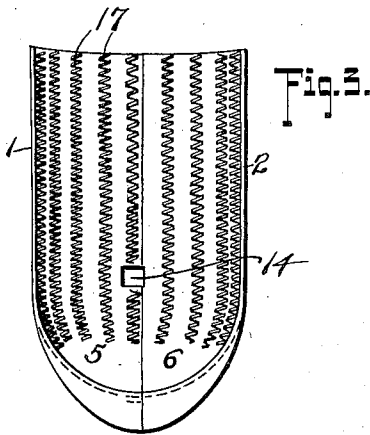
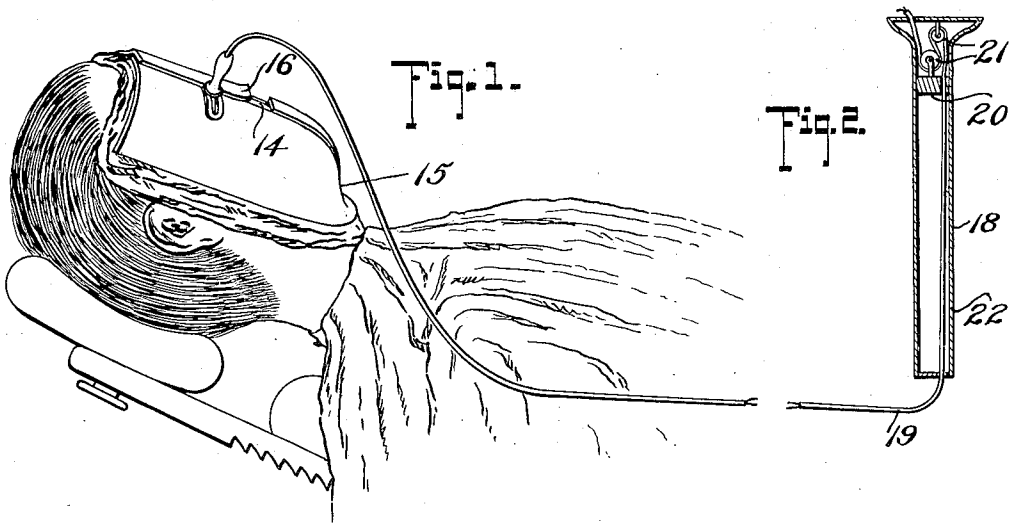


A. P. BLENKNER & B. Z. SMITH.
ELECTRIC HEATER.

APPLICATION FILED SEPT. 21, 1911.

1,033,867.

Patented July 30, 1912.



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UNITED STATES PATENT OFFICE.

ALFRED P. BLENKNER AND BIRT Z. SMITH, OF MOUNTAIN HOME, IDAHO.

ELECTRIC HEATER.

1,033,867.

Specification of Letters Patent.

Patented July 30, 1912.

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To all whom it may concern:

Be it known that we, ALFRED P. BLENKNER and BIRT Z. SMITH, citizens of the United States, residing at Mountain Home, in the county of Elmore and State of Idaho, have invented certain new and useful Improvements in Electric Heaters, of which the following is a specification.

This invention relates to electric heaters for face steaming adapted to be used in barber shops, massage parlors, and the like, and broadly speaking the purpose of which is to provide a heater so shaped as to cover the wet towel applied to the face of a person taking a steam or vapor bath.

A further object is to provide a heater which has double walls having the heating elements located therebetween, the latter consisting of electric wires and an electric cord leading thereto from a slack taking device suspended from the ceiling or other suitable place.

A still further object is to provide a heater of the class described which is adjustable to different sizes and has therein spacing means for forming an air chamber between the heater and the wet towel, thus insuring a more even distribution of heat.

With the above and other objects in view, this invention consists in the construction, combination and arrangement of parts, all as hereinafter more fully described, claimed and illustrated in the accompanying drawings, wherein—

Figure 1 is a perspective view showing the device in use; Fig. 2 is a sectional view of the slack taking device; Fig. 3 is an inside elevation of a heater; Fig. 4 is a plan view, the two side members being shown separately; and Fig. 5 is a cross section of the heater.

Throughout the following detail description and on the several figures of the drawings, similar parts are referred to by like reference characters.

Referring more particularly to the drawings, at 1 and 2 are shown two sections which consist of outer shields or walls 3 and 4 and inner walls 5 and 6 respectively, said walls being joined at the edge portion 7. The heating elements 8 consisting of electric wires are located between the inner and outer walls of the parts 1 and 2 respectively.

In order to provide adjusting means for the heater according to different sized faces,

the parts overlap as at 9 and a fastening means by which the heater sections are retained in adjusted position is provided consisting of an ear 10 having a slot 11 adapted to receive the clamping bolt or stud 12, which latter is provided with exterior threads on which the handle 13 is received. As noted, the ear 10 is carried by the section 2 while the hollow clamping bolt 12 is projected from the section 1. The handle 13 serves as a clamping nut, and also as a handle for manipulating the heater.

In order to admit air to the patient for breathing, the heater is provided with openings 14, said openings being cut in the overlapping edges of the two heater sections. The heater is contracted, as shown at 15, to fit under the chin of the wearer, and the shield is projected, as at 16, to provide space for the nose.

Spacing members 17 are provided on the inner surface of the heater, said spacing members in this instance consisting of coiled wire, the purpose of which will hereinafter appear.

In use a wet or moistened towel is applied in the customary manner to the face of the person desiring a steam or vapor bath, and the heater is located on the towel, as illustrated in Fig. 1. The heater is of such dimensions that it practically covers all parts of the towel and, inasmuch as the heating elements are distributed throughout the entire heater, an even temperature may be obtained. Said temperature may be varied according to desire by any conventional method such as a switch or the like which is not shown in the drawing. In order to obtain more evenly spread heat and to prevent burning of the towel, spacing elements 17 are provided, the same spacing the heater from the towel sufficiently to admit of an air space therebetween. By the use of the heater, it will be noticed that a single towel may be used, thereby saving the trouble of replacing heated towels for cooled ones, as heretofore customary. The device 18 which may be suspended from the ceiling has for its purpose to take up the slack of the electric cord 19 by means of a weight 20 and rollers 21, as clearly illustrated in Fig. 2. This weight may be of sufficient size to counterbalance the weight of the heater which, therefore, may be pulled up to the lower portion of the tube 22, or the weight 20 may only be of such size as to take up the

slack of the cord, the heater being located on a table or other place convenient for use.

Having thus fully described our invention, what is claimed as new is:—

- 5 1. An electric face steamer comprising a concavo-convex hollow body consisting of rigid relatively movable sections, heating elements contained by the walls of said body, and means for connecting and adjusting the sections to conform to different size faces.
- 10 2. An electric face steamer comprising a sectional concavo-convex hollow body, heating elements contained by the walls of said body, means for connecting and adjusting the sections to conform to different size faces, and spacing means projecting from the inner surfaces of said sections.
- 15 3. An electric face steamer comprising a sectional concavo-convex hollow body, heating elements contained by the walls of said body, means on one of said sections to engage with the other section, a handle received by the means aforesaid to connect said sections and permit of adjustment thereof to conform to different size faces, and spacing members projecting from the inner surfaces of said sections.
- 20 4. An electric face steamer comprising a sectional concavo-convex hollow body, heating elements contained by the walls of said body, a threaded hollow stud projecting from one of said sections adapted to be received in a slotted member on the other section, a handle adapted to be received by the stud aforesaid, electric wires passing through the handle and stud to conduct a current to the heating elements, and spacing
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members projecting from the inner surfaces of said sections.

- 40 5. An electric face steamer comprising a sectional concavo-convex hollow body, the sections of said body having a flared opening to receive the nose and also having a reduced portion to fit over the chin, heating wires contained by the walls of said body, a hollow threaded stud formed on one of said sections, an ear having a slot therein formed on the other section and adapted to receive the stud aforesaid, a handle adapted to be screwed on the stud to connect the sections and permit of adjustment thereof to conform to different size faces, and spacing members projecting from the inner surfaces of said sections.
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6. An electric heater comprising sections, said sections being adjustably connected, said adjusting means comprising a slotted ear carried by one of the sections, a hollow stud carried by the other member and a clamping nut, said sections comprising an inner and outer wall, spacing members carried on the inner surface of the heater, electric heating wires carried between said inner and outer walls, an electric cord adapted to pass through aforesaid hollow stud and the wires therein connected to said electric heating wires, and a slack taking device adapted to take the slack of said electric cord.
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In testimony whereof, we affix our signatures in presence of two witnesses.

ALFRED P. BLENKNER.
BIRT Z. SMITH.

Witnesses:

J. H. WHITSON,
R. P. HARMON.