No. 881,017. PATENTED MAR. 3, 1908.

W. E. H. MORSE.

HEATING DEVICE.

APPLICATION FILED APR. 25, 1907.

Fig. 1.

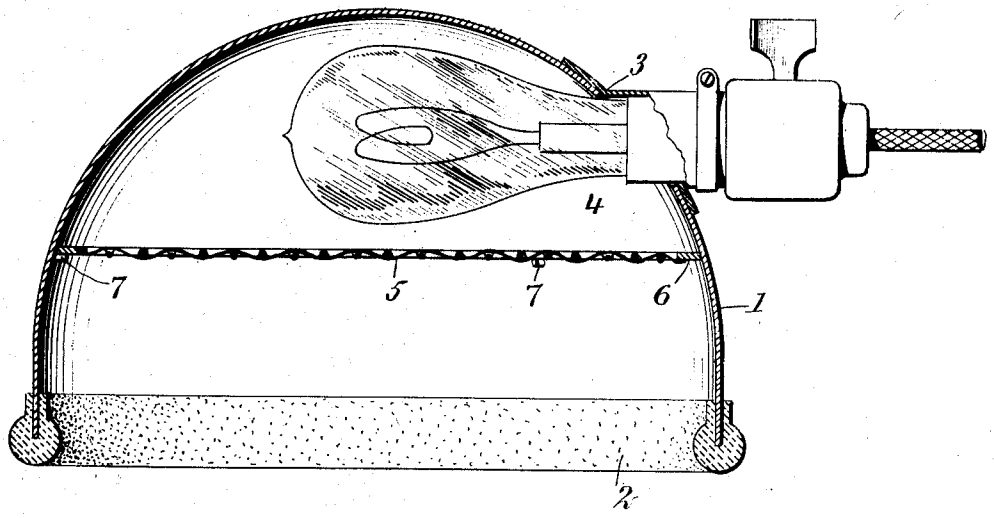
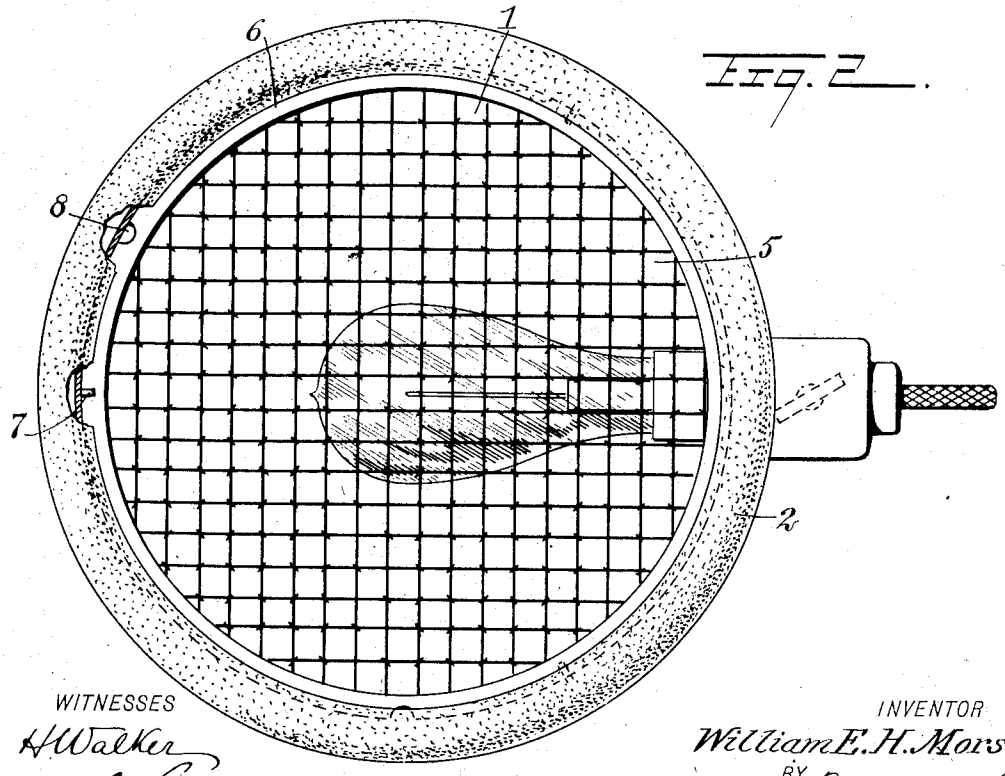


Fig. 2.



WITNESSES

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WILLIAM E. H. MORSE, OF ALGONA, IOWA.

HEATING DEVICE.

No. 881,017. Specification of Letters Patent. Patented March 3, 1908.

Application filed April 25, 1907. Serial No. 370,205.

To all whom it may concern:

Be it known that I, WILLIAM E. H. MORSE, a citizen of the United States, and a resident of Algona, in the county of Kossuth and State of Iowa, have invented a new and Improved Heating Device, of which the following is a full, clear, and exact description.

This invention relates to a device for applying heat to a portion of one's body, and is intended to be used in the practice of therapeutics.

The object of the invention is to produce a device of this class which is simple in construction and which will operate to concentrate the heat upon the affected part.

The invention consists in the construction and combination of parts to be more fully described hereinafter and particularly set forth in the claims.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in both figures.

Figure 1 is a vertical section through the device; and Fig. 2 is a bottom plan view, certain parts being broken away.

Referring more particularly to the parts, 1 represents the body of the device, which consists of a shell or hemisphere which is provided at its edge with a continuous protecting pad or rim 2. This pad is made of soft material which is adapted to protect the body from contact with the heated edge of the shell. On one side, the upper portion of the shell 1 is provided with an opening 3 through which an electric light 4 is inserted and held in position in any suitable manner. The electric light is protected from injury by a screen 5, of coarse wire mesh or similar construction, which is placed within the shell in the manner indicated. This screen 5 comprises a ring 6 disposed around the edge thereof, and this ring is held in position by pins 7 which project in from the side wall of the shell. When the electric light is turned on, the heat developed within it is reflected downwardly by the shell 1 toward the surface of the body against which the lower edge of the shell rests. In this way when the device is properly applied, the heat from the light is concentrated at the desired point.

A device constructed as described accomplishes its purpose in a very simple manner, and is much easier to prepare for operation than a hot water bottle or a similar device for the same purpose.

Attention is called to the manner in which the pins 7 hold the screen 5 in position. It should be understood that the ring 6 of the screen is of too large a diameter to move upwardly in the shell beyond the point where it is placed, and the pins 7 prevent its moving downwardly; therefore, it is held securely in position.

In order to enable the screen to be removed when desired, the outer edge of the ring 6 is provided with notches as indicated at 8. These notches are arranged like the pins 7 so that they may all be brought into register if the screen is rotated into the proper position.

The feature of mounting the electric lamp in a horizontal position within the reflector, is considered highly advantageous, as by this arrangement, the lamp projects its heat more efficiently onto the surface of the body, and, furthermore, the socket of the lamp then operates effectively as a handle, facilitating the handling of the heating device.

Having thus described my invention, I claim as new and desire to secure by Letters Patent:

A heating device comprising a hemispherical shell, an incandescent electric light attached therein and projecting therefrom to form a handle, a protecting screen mounted in said shell below said light and having notches in the edge thereof, and pins projecting in from the wall of said shell adapted to register with said notches and supporting said screen, said light being disposed with the axis thereof substantially parallel with the plane of said edge.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WILLIAM E. H. MORSE.

Witnesses:
A. HUTCHISON,
E. J. GILMORE.