

No. 851,283.

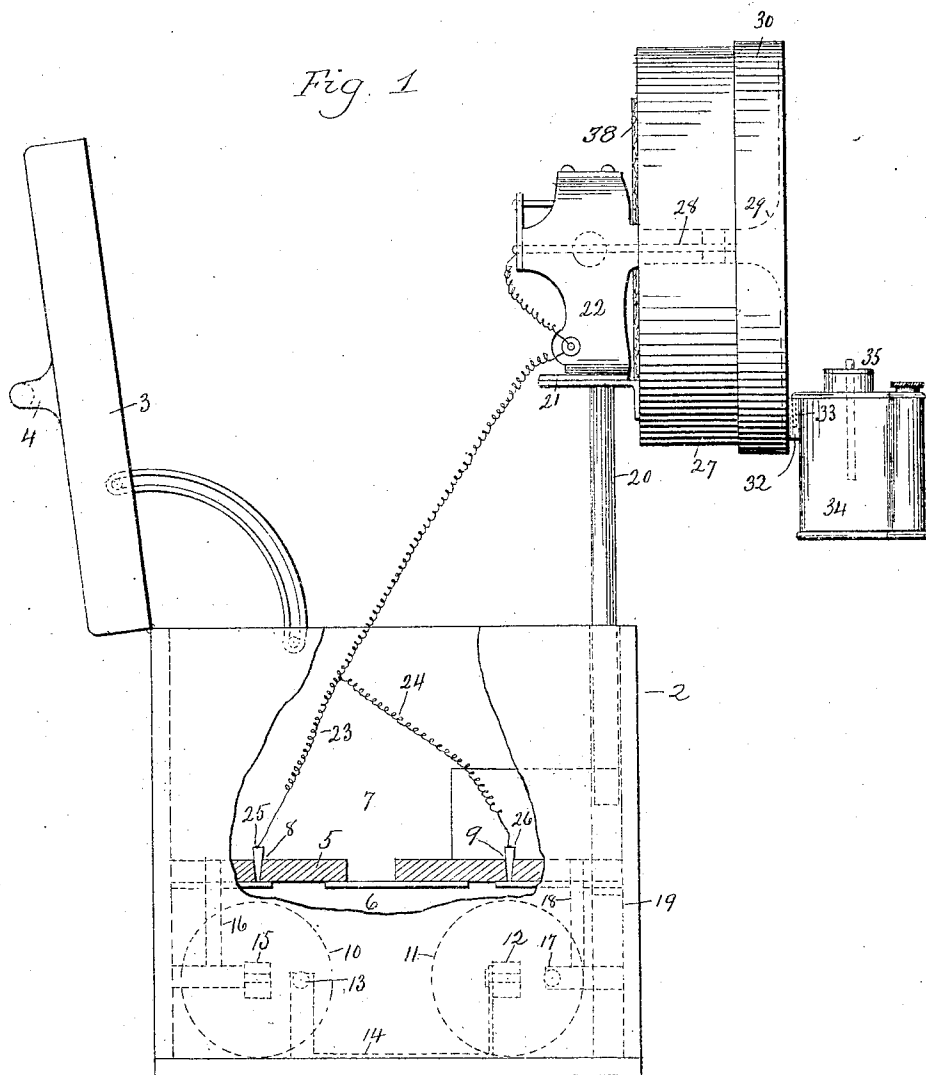
PATENTED APR. 23, 1907.

C. O. FALKENSTROM & U. L. SUNDBLAD.

HAIR DRIER.

APPLICATION FILED DEC. 20, 1906.

2 SHEETS—SHEET 1.



Witnesses.
J. H. Shumway
C. L. Weed.

Charles Otis Falkenstrom
and Uro L. Sundblad
By *Atty* Seymour & Carr

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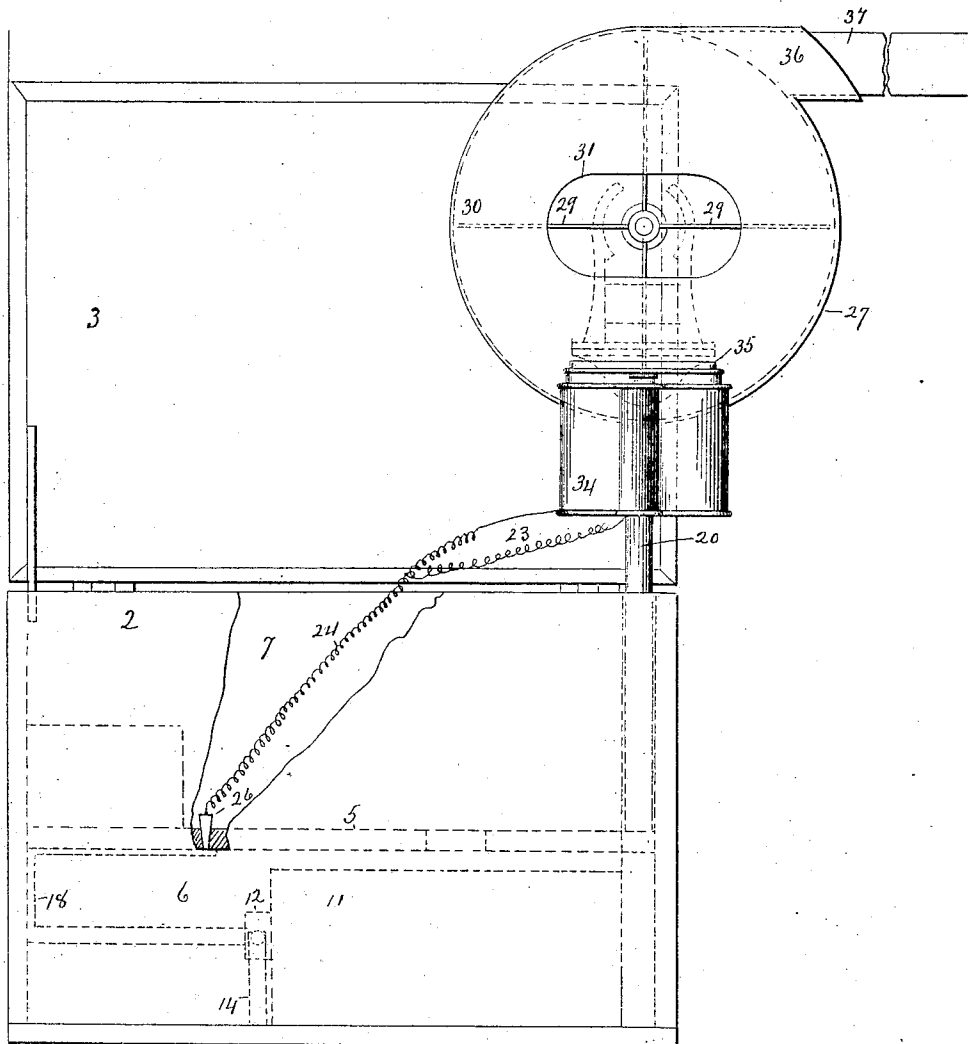
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2 SHEETS—SHEET 2.

Fig. 2



Witnesses.
J. H. Shumway
C. L. Reed.

Charles Otto Falkenstrom
and Uno L. Sundblad, Inventors.
By atty Seymour & Carr

UNITED STATES PATENT OFFICE.

CHARLES OTIS FALKENSTROM AND UNO L. SUNDBLAD, OF BRANFORD,
CONNECTICUT.

HAIR-DRIER.

No. 851,283.

Specification of Letters Patent.

Patented April 23, 1907.

Application filed December 20, 1906. Serial No. 348,698.

To all whom it may concern:

Be it known that we, CHARLES OTIS FALKENSTROM and UNO L. SUNDBLAD, citizens of the United States, residing at Branford, in the county of New Haven and State of Connecticut, have invented a new and useful Improvement in Hair-Driers; and we do hereby declare the following, when taken in connection with the accompanying drawings 5 and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1 a front view partially in section of 15 a hair drier constructed in accordance with our invention. Fig. 2 a view partially in section of the same.

Our invention relates to an improvement in hair driers and particularly for use by hair 20 dressers or shampooers who visit the houses of their customers, the object being a simple arrangement of parts whereby an effective drying apparatus is produced; and the invention consists in the construction herein- 25 after described and particularly recited in the claims.

In carrying out our invention, we employ a box 2 of suitable size and dimensions provided with a cover 3 adapted to close and 30 lock the box, the cover having a handle 4 by which it may be conveniently carried. Transversely across the box is a partition 5 forming a lower chamber 6 and upper chamber 7. In this partition are holes 8 and 9 35 for the purpose as will hereinafter appear. Within the lower chamber 6 are placed two dry battery cells 10 and 11. The positive pole 12 of the battery 11 is connected with the negative pole 13 of the battery 10 by a 40 metal strap 14, while the positive pole 15 of the battery 10 is connected with a metal finger 16 which extends upward and beneath the hole 8 in the partition. The negative pole 17 is connected with a finger 18 which 45 extends upward and beneath the hole 9 in the partition. In one corner of the box a tubular socket 19 is supported and adapted at its upper end to receive the stem 20 of a platform 21 on which is mounted an electric motor 22 of usual construction, this motor being 50 connected with the batteries by wires 23 and 24 provided at their ends with plugs 25 and 26 adapted to enter the holes 8 and 9 in the partition and rest upon the fingers 16 and

18 so as to close a circuit through the bat- 55 teries. Connected with the frame of the motor and supported by the platform 21 is a circular box 27 concentric with the shaft 28 of the motor which shaft extends into the box 27. Within the box and fixed to the shaft 60 therein is a series of fan blades 29. The outside of the box is closed by a cap 30 having a comparatively large central slot 31. Below the slot is an eye or loop 32 to receive a hook 33 formed on an alcohol lamp 34 the wick 65 tube 35 of which stands somewhat below the slot 31. At one side near the top of the box is a mouth piece 36 to which a tube 37 of metal or other suitable material may be attached, this tube being of any desired length. 70

The plugs 25 and 26 being inserted into their respective holes, closes the circuit through the batteries and sets the motor into action. The lamp being lighted the heat from it will be drawn into the box 27 by 75 the rotation of the fans, and heat and air drawn into the box will be discharged through the tube 37, and this being directed against the hair will rapidly dry it. Preferably a strip of asbestos 38 will be placed be- 80 tween the motor and the box so as to prevent the heat from the box injuring the motor. When not in use the motor with the box attached is lifted out of the tube 19 and placed within the chamber 7, the lamp 34 being de- 85 tached from the cap. The tube 19 is also removed and placed in the upper chamber so that all the parts are readily stored for transportation and quickly placed in condition for use. 90

We claim:—

1. A hair drier comprising a box having a transverse partition, batteries below the partition, plugs passing through the partition and into electric connection with the said 95 batteries, a motor adapted to be supported by said box and electrically connected with said plugs, a box secured to the motor case, the shaft of the motor extending into said box, blades secured to said shaft, a cap closing 100 the outside of said box and formed with a slot, a discharge opening at the top of the box, and a lamp adapted to be secured to the cap below said slot, substantially as described. 105

2. The herein described hair drier comprising a box having a transverse partition, electric batteries below said partition, a tu-

bular socket supported by said box, a motor
mounted upon a platform and having a de-
pending plug adapted to enter said tubular
socket, electrical connection between said
5 motor and batteries, a box connected with
said motor, the shaft of the motor extending
into the center of said box, fan blades se-
cured to said shaft, a cap closing said box
and having a centrally arranged slot, a loop
10 or socket below said slot, and a lamp having
a finger to enter said loop whereby the lamp

is suspended below the slot in the cap, and a
discharge opening at the top of the box, sub-
stantially as described.

In testimony whereof, we have signed this 15
specification in the presence of two subscrib-
ing witnesses.

CHARLES OTIS FALKENSTROM.

UNO L. SUNDBLAD.

Witnesses:

CARL P. KLOCKARS,

GUSS B. FALKENSTROM.