

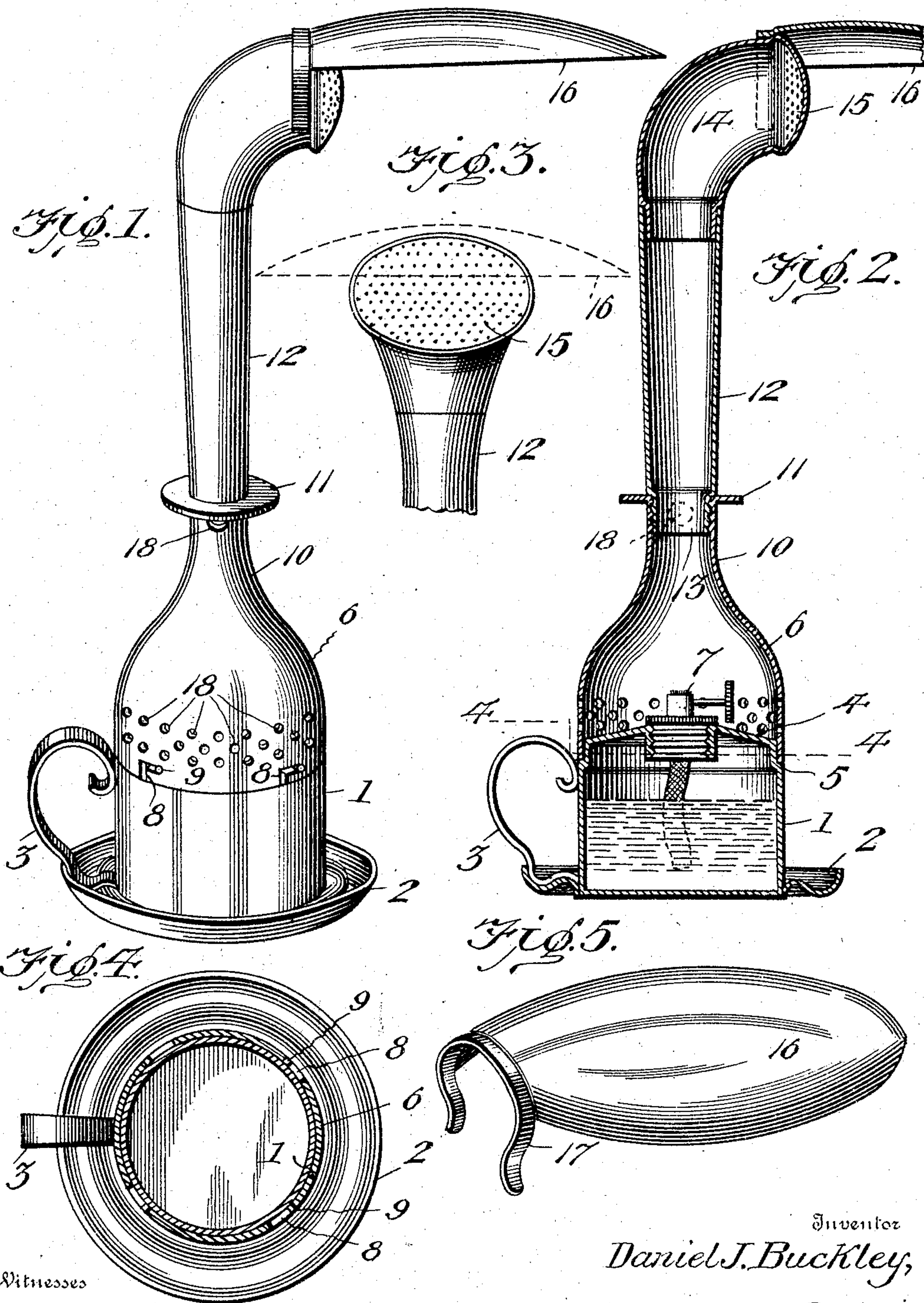
No. 780,407.

PATENTED JAN. 17, 1905.

D. J. BUCKLEY.

HAIR DRIER.

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Witnesses

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UNITED STATES PATENT OFFICE.

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HAIR-DRIER.

SPECIFICATION forming part of Letters Patent No. 780,407, dated January 17, 1905.

Application filed June 14, 1904. Serial No. 212,586.

To all whom it may concern:

Be it known that I, DANIEL J. BUCKLEY, a citizen of the United States, residing at Newburyport, in the county of Essex and State of Massachusetts, have invented new and useful Improvements in Hair-Driers, of which the following is a specification.

My invention relates to new and useful improvements in hair-driers; and it is more especially an improvement upon the device shown and described by me in an application for United States Letters Patent filed on December 8, 1903, Serial No. 184,304, and allowed February 1, 1904.

One of the objects of my invention is to provide a drier of compact construction which is provided with means whereby the hair can be spread out and held over the air-outlet of the drier.

Another object is to so construct the device as to permit the same to be used as a heater.

Another object is to provide a hair-drier the parts of which can be detached to form a lamp.

With the above and other objects in view the invention consists of a reservoir having a burner upon the top thereof and provided with a wick. This reservoir is surrounded at its base by a gutter or tray and has a handle connected to one side. A cap having apertures therein is detachably secured to the upper portion of the reservoir and has a tubular outlet which is inclosed by an annular flange adapted to form a support for a cup or other receptacle which it may be desired to heat. A tube is detachably secured within the outlet of the cap and has an enlarged head detachably secured therein, the end of said head being formed with perforations for the escape of heated air. A hood extends over the end of the head and therebeyond, and this hood serves to spread the hair to be dried, so as to permit the heated air to readily pass therethrough.

The invention also consists in the further novel construction and combination of parts, hereinafter more fully described and claimed,

and illustrated in the accompanying drawings, showing the preferred form of my invention, and in which—

Figure 1 is a perspective view of my improved hair-drier. Fig. 2 is a vertical section therethrough. Fig. 3 is an end elevation of the head of the drier and showing in dotted lines the position the hood assumes when placed thereon. Fig. 4 is a section on line 4 4, Fig. 2; and Fig. 5 is a perspective view of the hood detached.

Referring to the figures by numerals of reference, 1 is a reservoir of any suitable form, which is provided at its lower end with a tray or gutter 2, extending therearound and which is adapted for holding matches, &c. A handle 3 is connected to the reservoir, so as to permit the device to be readily carried. The upper portion of the reservoir is reduced in diameter, as shown at 4, to produce an annular shoulder 5, adapted to form a seat for a cap 6, which is adapted to inclose the reduced portion of the reservoir and extend upward above a burner 7, which is detachably arranged within the center of the top of the reservoir. This cap has bayonet-slots 8 therein at desired intervals, and these slots are adapted to receive pins 9, which extend laterally from the reduced portion of reservoir 1. The cap 6 merges at its top into a tubular extension 10, which is preferably internally screw-threaded, and the end of this extension is inclosed by a flange 11, which is for the purpose hereinafter more fully described. A tube 12, having a screw-threaded end 13, is detachably secured within the extension 10 and has a curved head 14 detachably seated within its other end. This head is of gradually-increasing diameter from one end to the other, and its large or outlet end has a series of apertures 15 therein, which are adapted to direct products of combustion outward on a line at right angles to the vertical center of the device. This outlet end is preferably oval in form and has a concavo-convex hood 16, detachably secured thereabove by means of a spring-clip 17, which is integral with one end of the hood and is adapted to clamp upon the head

at a point adjacent its outlet end. This hood may be of any desired size.

When it is desired to dry hair by means of the device herein shown, the burner 7 is lighted, and the hair is spread over the hood 16. Air will pass into cap 6 through apertures 18, formed adjacent the bottom thereof, and will be heated by the flame. This heated air will flow upward through the extension 10 and tube 12 into head 14, from which it will pass through apertures 15 into contact with the hair spread over hood 16. The hot air is thus caused to freely circulate through the hair and will quickly dry it. By removing the tube 12 from extension 10 the device can be used for heating the contents of a cup or other receptacle, and by detaching the cap 6 the lower portion of the drier can be used as a lamp.

Apertures 19 are formed in the extension 10 close to flange 11 and are adapted to be closed by the end of tube 12. When the tube is removed, a curling-iron can be placed in the aperture 18 and heated.

It will be seen that the device is very simple and compact in construction and is capable of rendering efficient service for all the purposes for which it is designed.

In the foregoing description I have shown the preferred form of my invention; but I do not limit myself thereto, as I am aware that modifications may be made therein without departing from the spirit or sacrificing any of the advantages thereof, and I therefore reserve the right to make such changes as fairly fall within the scope of my invention.

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

1. In a device of the character described, the combination with a lamp having a cap thereon provided with air-inlets and an outlet; of a tube extending from the outlet of the cap, a head detachably connected to said tube and having outlet-apertures in one end, and a

hood extending from the head and beyond the apertured end thereof.

2. In a hair-drier, the combination with a lamp having a cap detachably mounted thereon and provided with air-inlets and a flanged outlet; of a tube extending from the outlet, a curved head upon the tube and having outlets in one end, and a hood extending from the outlet end of the head and adapted to support hair.

3. In a hair-drier, the combination with a lamp having a cap detachably mounted thereon and provided with air-inlets and a flanged outlet; of a tube extending from the outlet, a curved head upon the tube and having outlets in one end, a hood, and means at one end of the hood for detachably securing it to the head and above the outlet-apertures therein.

4. In a hair-drier, the combination with a lamp having a tray therearound and a handle; of a cap detachably mounted upon and extending over the lamp, said cap having air-inlets and a flanged outlet, a tube detachably mounted within the outlet, a curved head extending from the tube and having apertures in its outlet end, a hood, and a spring-clip at one end of the hood for detachably securing the same to the head and over the apertures.

5. In a hair-drier the combination with a heating device provided with air-inlets and a flanged outlet; of a tube extending from the outlet, a curved head detachably connected to the tube and having outlets in one end, a hood, and means at one end of the hood for detachably securing it to the head and above the apertures therein.

In testimony whereof I affix my signature in presence of two witnesses.

DANIEL J. BUCKLEY.

Witnesses:

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