A. DI SALVIO.

BARBER'S DEVICE.

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1,133,942.

Patented Mar. 30, 1915.

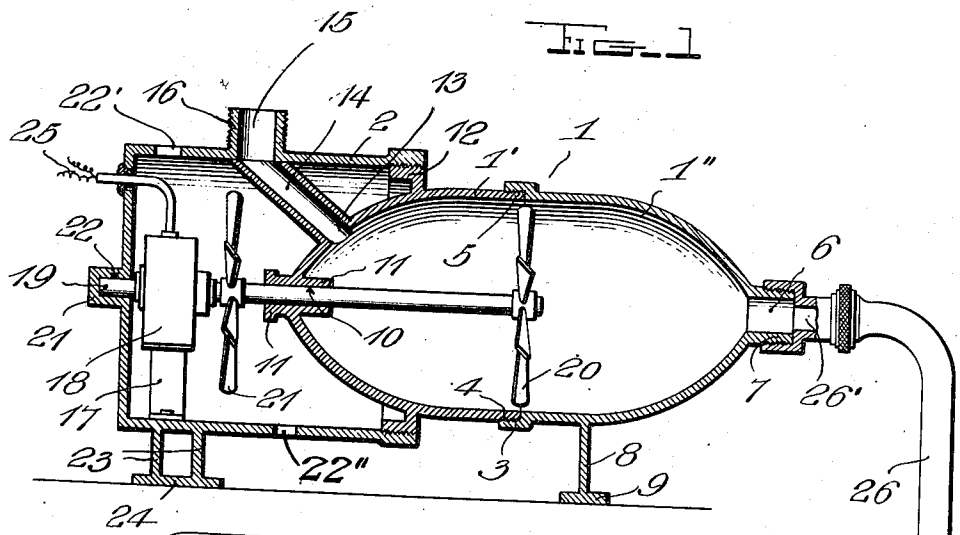


FIG. 1

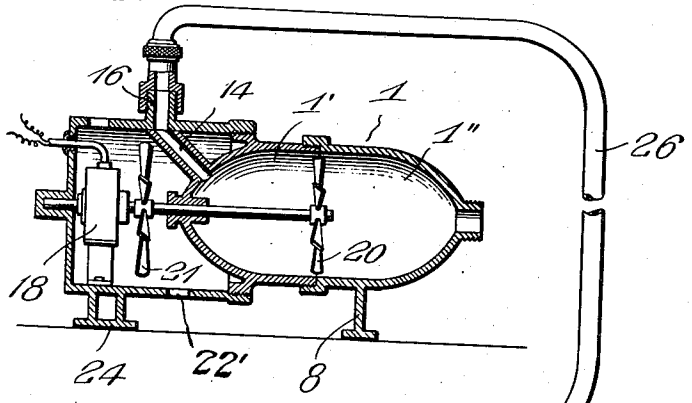
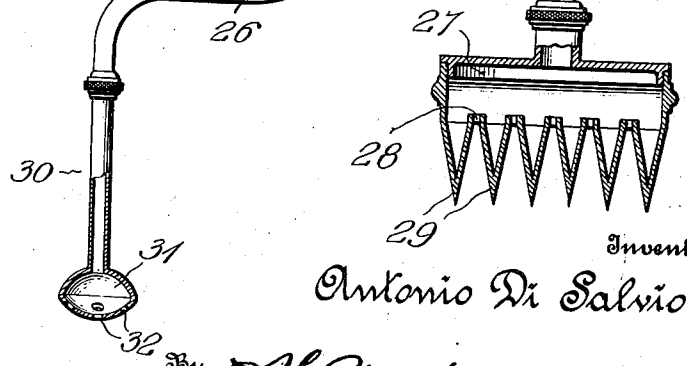


FIG. 2



Witnesses

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BARBER'S DEVICE.

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To all whom it may concern:

Be it known that I, ANTONIO DI SALVIO, resident of Washington, in the county of Washington and State of Pennsylvania, have invented a Barber's Device.

It consists in a combination and improvements hereinafter described and claimed.

One object of this invention resides in providing an article of the character described by means of which dirt, dandruff and other extraneous matter may be readily removed from the hair.

A still further object is to produce a combined air blast and suction apparatus which is compact, easily conveyed from place to place and readily manipulated by the operator, as well as one that is both inexpensive and ornamental.

Another and still further object resides in providing a cooling means for the field of the motor used in the operation of this device.

With these and other objects in view my invention consists of certain novel details of construction, combination and arrangement of parts to be more particularly set forth and claimed.

In the accompanying drawings in which corresponding parts are indicated by similar reference characters, Figure 1 is a longitudinal vertical section of my improved suction apparatus illustrating the latter as connected by a flexible tube with a suction comb which is shown in section. The connection of the tube with the apparatus also being shown in section. Fig. 2 is a vertical longitudinal section illustrating the device in connection with a flexible tube having an air diffusing means at its lower end, the latter being partially in section; a tube which has its extremity removed from the suction opening of the apparatus and connected with the air blast opening thereof is shown partly in section.

Heretofore appliances of this kind have been cumbersome, generally located in a fixed position and have proved both inefficient and annoying. It is, therefore, to this end that I propose to provide a simple little appliance which may readily be conveyed to any desired point and conveniently handled by the operator, consisting of an outer casing 1 preferably formed of nickel or other ornamental metal and having an elliptical configuration as clearly shown in Fig. 1. The outer casing 1 is formed in two parts 1′ and 1″, the latter having formed around and in offset relation to its enlarged end an annular flange 3 internally threaded as at 4 to engage the externally threaded enlarged end 5 of section 1′. Section 1″ of the casing is formed at its tapered end with an opening 6 surrounding which and projecting laterally therefrom in an outward direction is an externally threaded nipple 7, the purpose of which will hereinafter appear. Also depending from the lower surface of the section 1″ is a supporting leg 8 having a horizontally disposed foot 9 for supporting this section of the casing. The other section 1′ of the casing has formed in a reduced end thereof an opening 10 while surrounding said opening 10 and projecting in opposite directions therefrom are flanges 11 forming a journal for a shaft to be hereinafter referred to. Extending around the exterior surface of section 1′ in offset relation thereto and suitably spaced from the threaded end thereof is an externally threaded flange 12 adapted to engage the internally threaded end of an inner casing 2, which latter is also formed of nickel so as to correspond with the outer casing. Also formed in section 1 of the outer casing immediately above the journal 11 is an opening 13 surrounding and projecting obliquely from which is a tubular extension 14 having its upper extremity beveled to properly underlie the inner surface of casing 2. In the upper surface of the casing 2 there is formed immediately above the upper extremity of extension 14 an opening 15 while surrounding and extending vertically from the opening 14 is an annular threaded nipple 16 upon which may be placed any suitable cap not shown.

Supported within the casing 2 upon brackets 17 is a motor 18 having an extended shaft 19 one end of which is disposed in the journal box produced by an integrally formed cap 21, surrounding and projecting outwardly from an opening 22 formed in the rear of the casing as clearly shown in Figs. 1 and 2. The extended portion of the shaft 19 passes through the journals 11 to the interior of inner casing 1 and has its free extremity terminating within the latter at a point substantially central thereof.

Mounted upon the free extremity of shaft 19 is a fan 20, while also mounted upon the

shaft intermediate the motor and journal 11 is a second fan 21, the air inlet and outlet for which are provided by the openings 22'' and 22'. Depending from the lower portion of the casing 2 are two supporting legs 23 having horizontally disposed feet 24, the lower surfaces of which are disposed in horizontal alinement with the lower surface of the foot 9 and which it will be apparent provides supporting means for the two sections 1 and 2. To operate the motor 18, of course it will be understood that the latter may be connected by a conductor 25 to any suitable current supply. A flexible tube 26, when the device is used for producing suction, has one end engaged with the nipple 7 as at 26' and the other end thereof secured to a hollow comb 27 having air inlets 28 interposed between teeth 29 thereof as clearly shown in Fig. 1. From this it will become apparent that when the motor 18 is placed in operation, the shaft 19 will be revolved thus rotating the fans 20 and 21 thereon, so that if the suction comb is connected in the manner shown in Fig. 1, all dirt and other extraneous matter of the hair will be drawn through the tube 26 into the casing 1. However, it may sometimes be desirable to utilize the device as an air blast producing means, in which case, the flexible tube 26 is disconnected from the nipple 7 and connected to the externally threaded flange 16 of casing 2. Also the suction comb is removed from the lower end of the tube and an air diffusing member 30 having an annular enlargement 31 provided with openings 32 in the lower portion thereof by means of which it will be possible to cause a strong blast of air to be brought into contact with the face or head of the person under treatment, so that fine particles of hair or dandruff, etc. can be conveniently removed.

From the foregoing, it will be seen that I have provided a device which is extremely simple, inexpensive to produce and efficient in operation.

Although by the foregoing, I have described certain elements as best adapted to perform the functions ascribed to them, nevertheless, it is to be understood that various minor changes as to form, substance, etc., may be resorted to within the scope of the appended claims without departing from the spirit or sacrificing any of the principles of the invention.

Having thus described my invention, what I claim is:

1. A device of the character specified comprising a main casing, cylindrical in formation and formed at one extremity with an air inlet, a supplemental casing having one end closed, the other telescopically engaged with the inner end of said main casing, an integrally formed hollow extension projecting from the closed end of said main casing to said supplemental casing, said extension having one end communicating with the interior of said main casing, the other registering with an opening formed in said supplemental casing, a motor in the latter, a suction fan revolubly mounted within said main casing and actuated by said motor, and means within said supplemental casing for cooling said motor substantially as and for the purpose set forth.

2. A device of the character specified comprising a main casing cylindrical in formation and having an air inlet formed in the outer end thereof, a supplemental casing having one end closed, the other telescopically engaged with the inner end of said main casing, an integrally formed hollow extension projecting obliquely from said main casing to said supplemental casing, said extension having one end communicating with the interior of said main casing, the other registering with an opening formed in said supplemental casing, a journal bearing formed in the closed end of said supplemental casing, a motor mounted in the latter and including a shaft, said shaft having one end mounted in said journal bearing, the other end passing through an opening formed in the inner end of said main casing and extending into the interior of the latter, a fan disposed upon the free end of said shaft, and a motor cooling means also disposed upon said shaft within said supplemental casing to cool said motor substantially as and for the purpose set forth.

3. A device of the character specified comprising a main casing elliptical in conformation having an air inlet at the outer end thereof, a supplemental casing having one end closed, the other telescopically engaged with the inner end of said main casing, an integrally formed hollow extension projecting obliquely from said main casing to said supplemental casing, said extension having one end communicating with the interior of the former, the other end registering with an opening formed in the latter, a journal bearing formed in the closed end of said supplemental casing, a motor mounted within said supplemental casing and including a shaft, said shaft having one end disposed within said journal bearing, the other passing through an opening in the inner end of said main casing and extending into the interior of the latter, a suction fan disposed upon the free end of said shaft and an auxiliary fan disposed on the latter within said supplemental casing and contiguous to the motor therein substantially as and for the purpose set forth.

4. A device of the character specified comprising a main casing, formed at one extremity with an air inlet, a supplemental casing having one end closed, the other telescopically engaged with the inner end of said main

casing, a hollow extension projecting from the closed end of said main casing to said supplemental casing, said extension having one end communicating with the interior of said main casing, the other registering with the opening formed in said supplemental casing, a motor in said supplemental casing, a suction fan revolubly mounted within said main casing and actuated by said motor, and means within said supplemental casing for cooling the motor substantially as and for the purpose set forth.

5. A device of the character specified comprising a main casing formed at one extremity with an air inlet, a supplemental casing having one end closed, the other telescopically engaged with the inner end of said main casing, a hollow extension projecting from the closed end of said main casing to said supplemental casing, said extension having one end communicating with the interior of said main casing, a suction fan revolubly mounted within said main casing, means within said supplemental casing for rotating said fan, and cooling means within said supplemental casing for coöperation with the last mentioned means substantially as and for the purpose set forth.

6. A device of the character specified comprising a main casing, a supplemental casing having one end closed, the other telescopically engaged with the inner end of said main casing, an integrally formed hollow extension projecting obliquely from said main casing to said supplemental casing, said extension having one end communicating with the interior of said main casing, the other end registering with the opening formed in said supplemental casing, a suction fan revolubly mounted within said main casing, means within said supplemental casing for rotating said suction fan and cooling means also disposed within said supplemental casing for coöperation with the last mentioned means substantially as and for the purpose set forth.

In testimony whereof I have hereunto set my hand.

ANTONIO DI SALVIO.

Witnesses:
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CLEMENS DE MARIAS.