

Feb. 9, 1932.

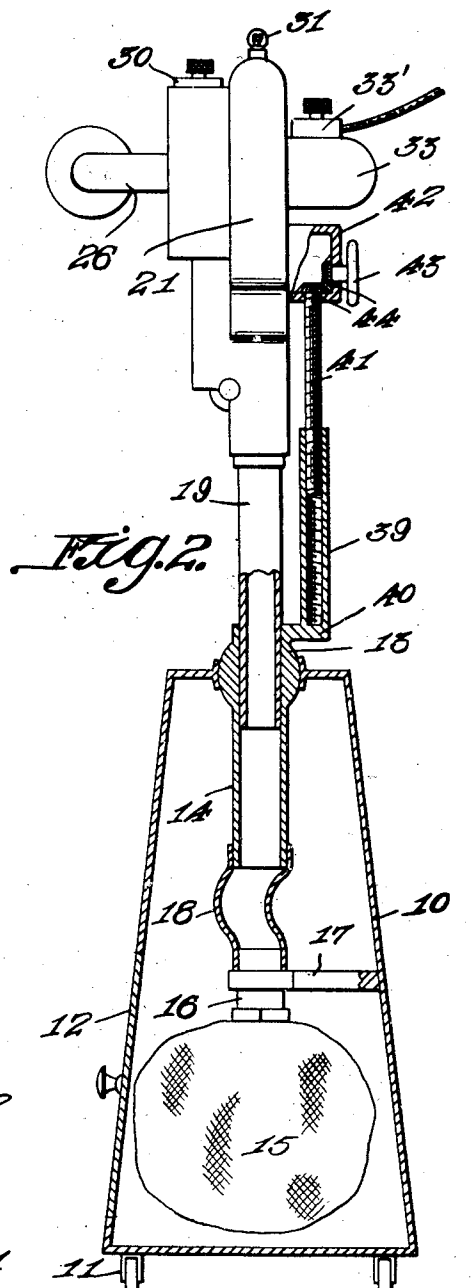
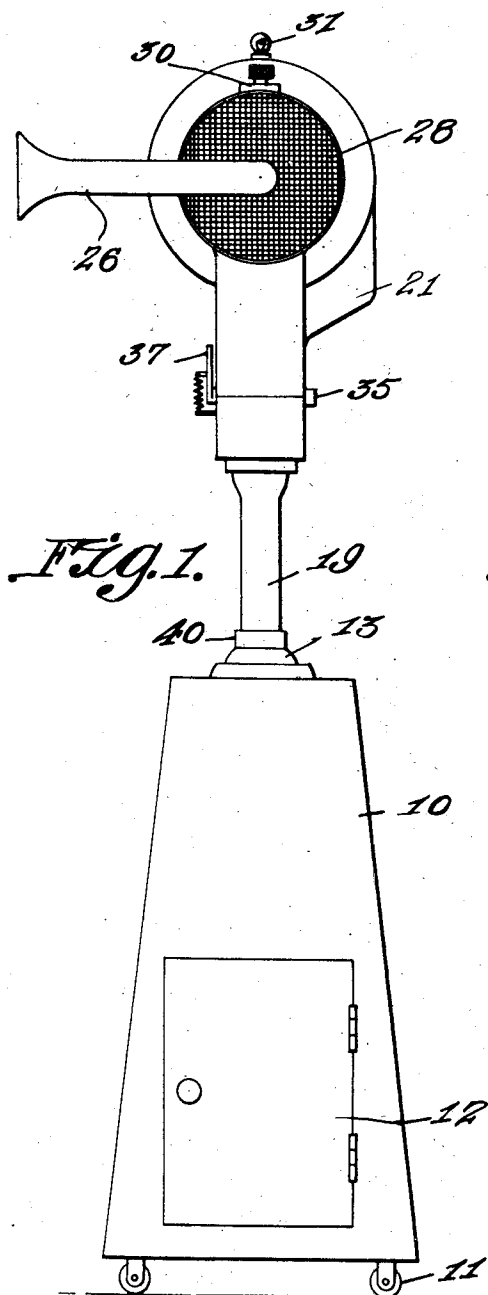
A. WEBER

1,844,728.

HAIR COLLECTOR

Filed Feb. 28, 1930

2 Sheets-Sheet 1



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BY Victor J. Evans
ATTORNEY

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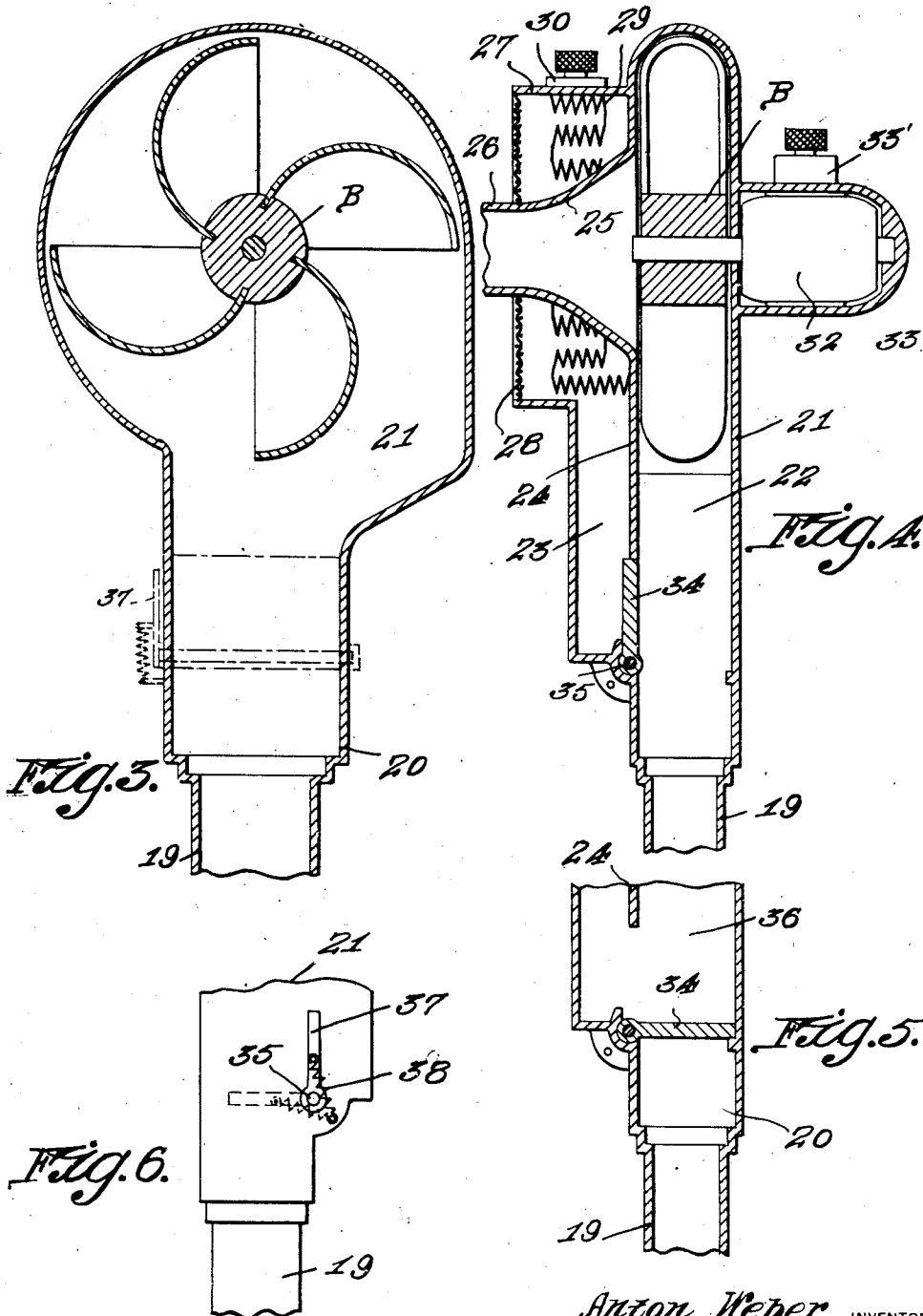
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UNITED STATES PATENT OFFICE

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HAIR COLLECTOR

Application filed February 23, 1930. Serial No. 432,190.

This invention relates to hair removing and drying apparatus particularly adapted for use within tonsorial and beauty parlors.

One of the principal objects of the invention contemplates the provision and arrangement of a reversible form of blower whereby loose hair may be removed from the neck and clothing of the patron or preheated air may be blown against the hair and head of the patron to dry same after a shampoo in preference to the usual vigorous towel rubbing.

Another object of the invention consists of a supporting apparatus for the blower construction capable of being moved about from place to place in juxtaposition to the chairs or tables.

An additional object of the invention embodies an adjusting means for the supporting apparatus and blower to facilitate disposing of the latter in position for use.

More specifically stated the blower construction is provided with a valve structure automatically converting same into a hair suction device or heat emitting drying device.

With the above and other objects in view, the invention further consists of the following novel features and details of construction, to be hereinafter more fully described, illustrated in the accompanying drawings and pointed out in the appended claims.

In the drawings:—

Figure 1 is a front elevation of the present invention.

Figure 2 is a side elevation of the invention partly broken away to illustrate the construction thereof.

Figure 3 is a fragmentary front elevation of the invention with the heating apparatus removed and illustrative of the blower construction.

Figure 4 is a view similar to Figure 3 taken at right angles thereto showing the relative arrangement of the blower and heating compartments.

Figure 5 is a detail view of the apparatus showing the valve disposed in position to convert the apparatus into a heat emitting hair drying device.

Figure 6 is a fragmentary elevation taken from the rear of Figure 5 showing the con-

struction and arrangement of an operating lever for the valve.

Referring to the drawings in detail where-in like characters of reference denote corresponding parts, the reference character 10 indicates generally a cabinet of any desired shape or construction having supporting wheels 11 upon the bottom thereof and a door 12 within one side wall. A ball member 13 mounted for universal movement within the upper wall of the cabinet 10 is provided with a depending sleeve 14 projecting for an appreciable distance within the confines of the cabinet. A hair collecting or refuse container 15 preferably in the form of a cloth bag and having a tubular filling neck 16 therefor rigidly supported upon a bracket 17 mounted upon the adjacent wall of the cabinet is joined with the adjacent depending end of the sleeve 14 through the instrumentality of a flexible conduit or casing 18.

A sleeve member 19 passing axially through the ball member 13 and telescopically associated with the sleeve member 14 in the manner suggested in Figure 2 of the drawings is in communication at its uppermost end with the discharge neck 20 of a form of casing 21 which will be hereinafter referred to as a hopper. Said hopper is subdivided into individual compartments 22 and 23 respectively through the employment of a partition wall 24. The latter mentioned wall having the fluted or flared end 25 of the blower nozzle 26 formed thereon in order that direct communication may be established through the bore of the nozzle 26 with the compartment 22. The latter mentioned construction is self-explanatory in Figure 4 of the drawings.

A drum member 27 supported upon appropriate portions of the partition wall 24 and outer wall of the compartment 23 circumferentially of the nozzle 26 and flared end 25 thereof is provided with a covering 28 preferably in the nature of a screen or other foraminated air admitting material.

A heating coil 29 disposed within the drum 27 and controlled by a switch 30 is in constant communication with the compartment 23. A pilot light 31 being mounted upon the

upper portion of the hopper like casing 21 is wound in series with the switch 30 and coil 29 whereby the operator may tell at a glance, by the illumination of the lamp 31, that the coil switch is on and that the coil is working order.

A blower wheel or fan, indicated generally as at B, has the buckets or blades therefor pitched or otherwise disposed in such manner as to constantly create suction through the bore of the nozzle 26. As shown in Figures 1 and 2 of the drawings, the nozzle is right-angularly disposed outwardly and beyond the covering 28 for the drum 27 for purposes to be better understood in the following description of the invention. The blower being operated by a motor 32 disposed within a casing 33 separate and apart from the casing 21 and upon the under side of the latter. A separate switch 33 being provided for the motor and blower blade whereby the heater and blower may be independently controlled.

A valve member 34 having a pintle or hinge pin 35 journaled within appropriate portions of the hopper like casing 21 is designed for lateral shifting movement to occupy the respective positions shown in Figures 4 and 5 of the drawings. When the valve is disposed in a vertical position shown in Figure 4 of the drawings, the compartment 23 will be cut off from the compartment 22 whereby the air and hair will be drawn through the nozzle 26, downwardly through the reduced end 20 of the hopper like casing 21, through the telescopically associated sleeves 14 and 19 respectively, through the flexible conduit 18 and into the receptacle 15. When the valve 34 is shifted to occupy the Figure 5 position, the two compartments, namely, 22 and 23 respectively, will be in communication through a port 36 opened by the valve. Air will then be introduced through the nozzle 26 and directed downwardly through the compartment 22, through the port 36, upwardly through the compartment 23 heated by the coil 29 and ejected through the screen covering 28. An operating lever 37, carried upon the outermost extending end of the pin 25 of the valve 34 has connection with one end of a retractile spring 38 suitably anchored upon the casing 21 and designed to hold said lever in either the full or dotted line position shown in Figure 6 of the drawings due to the fact that the line of connection between the casing and lever for the respective ends of the spring is beyond dead center.

As mentioned in the foregoing, the supporting apparatus for the combination hair remover and hair dryer affords adjustment to the latter and same is effected through the employment of an interiorly threaded sleeve 39 having a bracket 40 upon the lowermost end slidably connected with the sleeve member 19 and reposing upon the uppermost pro-

jecting portion of the ball member 13. A rotary reciprocating shaft 41 threadedly engaged within the bore of the sleeve 39 and projecting at its uppermost end within a boxing 42 carried upon the casing 21 is operatively connected with an adjusting wheel 43 through rightangularly disposed meshingly engaged pinion gears 44. This adjustment will necessitate reciprocating action of the sleeve member 19 within the bore of the sleeve 14 and disposing of the mouth of the nozzle 26 in such position as to facilitate the removing of loose hair and the drying of the growing hair in a most expeditious manner. The mounting of the ball member 13 with relation to the casing 10 and the connection of the sleeve member 14 with the neck 16 and the receptacle 15 through the flexible conduit 18 are such that lateral shifting movement of the combination hair remover and dryer will be facilitated independently of the housing or stand 10.

Another feature of the present invention resides in the inherent construction of the device especially within the drum 27 wherein the outermost wall of the fluted or flared end 25 of the nozzle 26 in conjunction with the rear wall of the drum 27, namely the partition 24, will act as a reflector to deflect the heat from the coil 29 irrespective of the blower.

The invention is susceptible of various changes in its form, proportions and minor details of construction, and the right is herein reserved to make such changes as properly fall within the scope of the appended claims.

Having described the invention, what is claimed is:—

1. The combination of a hair collector and hair drying apparatus comprising a casing subdivided into separate compartments, a blower and heater located within the respective compartments, a nozzle for the blower compartment extended through the heating compartment, and a valve located between the compartments.

2. A combined hair collector and hair drying apparatus comprising a casing subdivided into suction and heating compartments, a nozzle projecting from the suction compartment through the heating compartment, a valve member establishing communication between the two compartments, a discharge sleeve for the suction compartment, a support, and a fitting for the discharge sleeve upon the support permitting universal movement to the casing and nozzle.

3. A combined hair collector and hair drying apparatus comprising a casing subdivided into suction and heating compartments, a nozzle projecting from the suction compartment through the heating compartment, a valve member establishing communication between the two compartments, a discharge sleeve for the suction compartment, a sup-

port, a fitting for the discharge sleeve upon the support permitting universal movement to the casing and nozzle, and adjusting means for the discharge sleeve to dispose said nozzle at a desired height.

In testimony whereof I affix my signature.

ANTON WEBER.

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