May 22, 1951 J. S. STATEN, JR 2,553,794

PORTABLE BEAUTY SERVICE UNIT

Filed April 13, 1948 2 Sheets-Sheet 1

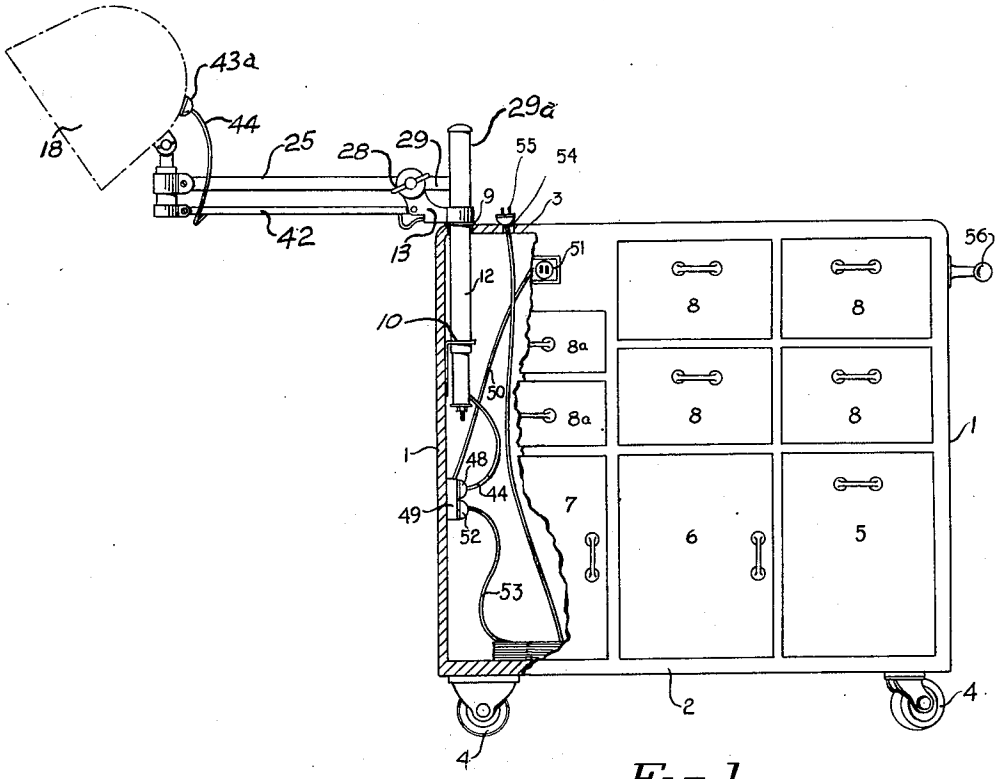


Fig. 1

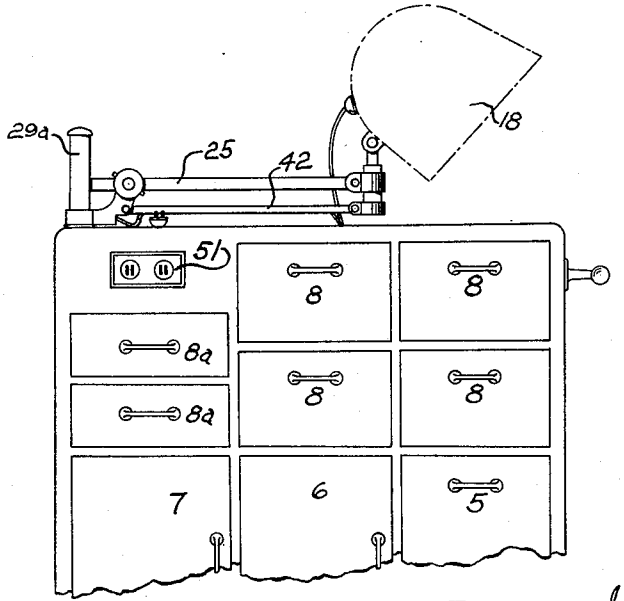


Fig. 2

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May 22, 1951 J. S. STATEN, JR 2,553,794

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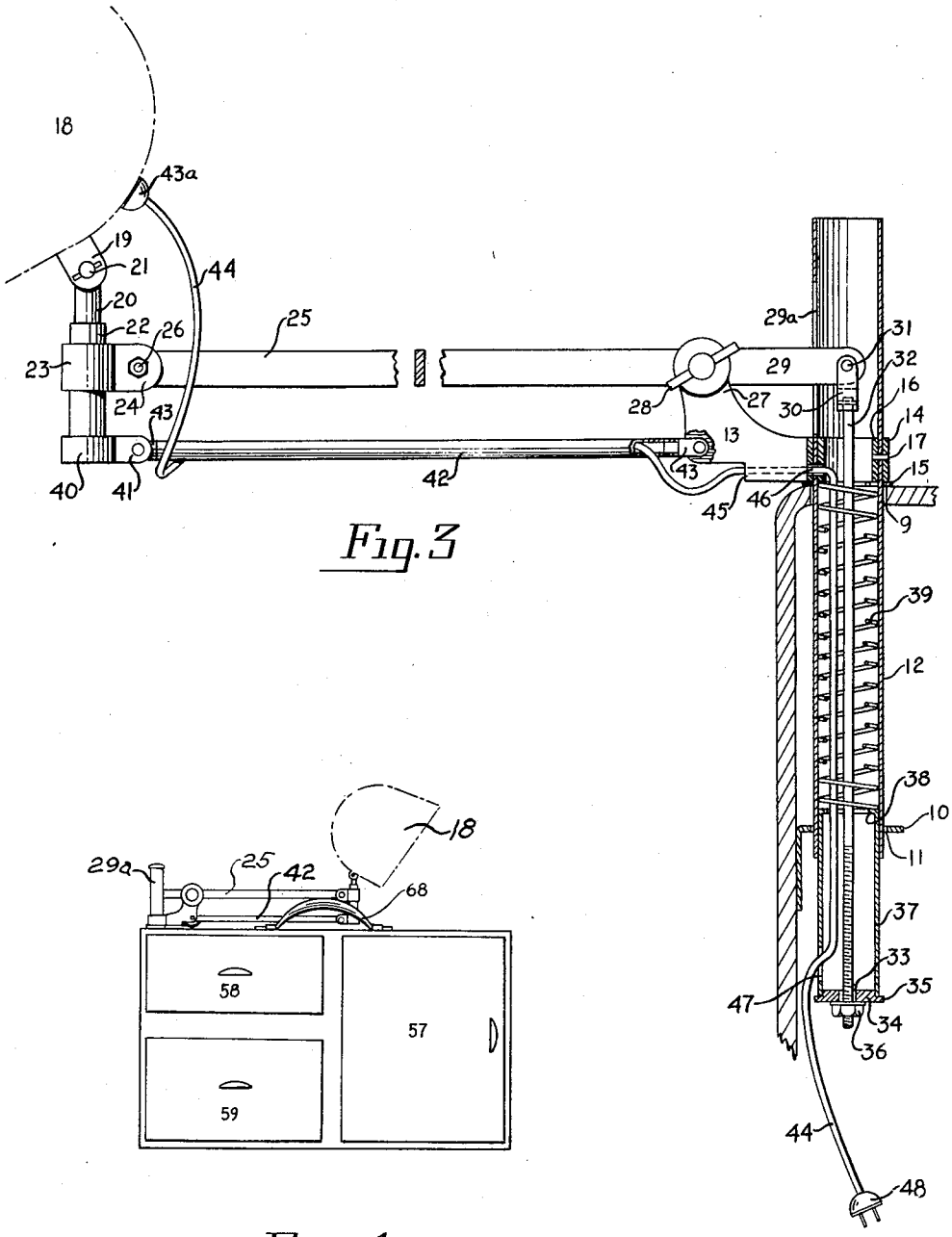


Fig. 3

Fig. 4

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PORTABLE BEAUTY SERVICE UNIT

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7 Claims. (Cl. 34—99)

1

This invention relates to improvements in hair driers and has for its object to provide a hair drier that is portable and may be transported from place to place on rollers or it may be carried from place to place as if it were a suitcase or some other similar object.

It is also an object of this invention to provide a hair drier having a supporting structure in the form of a cabinet, which has therein compartments for towels, combs, brushes and any articles used in the connection with the treatment of hair and scalp.

It is also an object of this invention to provide a drier that is compact, made of separate, distinct and individual parts and is self-containing.

It is also an object of this invention to provide a drier in which there is a hood or head piece supported in such a manner that it may be lowered, elevated or shifted laterally to various positions without interfering with or changing the general position of the hood.

It is also an object of this invention to provide a hair drier comprising a cabinet in which there is a compartment for housing and protecting electrical wiring for the drier when not in use.

It is also an object of this invention to provide a hair drier composed of a cabinet which forms the supporting structure, a hood, head piece or housing adapted to be applied to the head of the person whose hair is being dried and an intermediate structure adapted to be attached or removed from a supporting cabinet. There are these three separate and distinct cooperating parts.

These and other objects and advantages will appear from the following description taken in connection with the drawings.

In which:

Figure 1 is a side elevation of applicant's complete hair drier with part of a supporting cabinet broken away to show the relation between the cabinet and certain movable parts supported thereby. In this figure the hood or housing is shown extending to one side of the cabinet.

Figure 2 shows the structure shown in Figure 1 with the lower part of the cabinet broken away and the superstructure is shown directly above the cabinet and not to one side, as shown in Figure 1.

Figure 3 shows the head, the supporting arms and the connecting structure for attaching the head and arms to the cabinet. This figure shows in vertical section one end of the cabinet and the cooperating structure.

Figure 4 shows a drying apparatus to be carried from place to place as if it were a suitcase. This figure shows the drying head or hood located in idle position over the top of a small cabinet.

2

Directing attention to Figure 1, the numeral 1 is used to designate the ends of a cabinet, which has a bottom or base 2, a top 3 and a back not shown. The cabinet is supported on rollers or casters 4 of any desired number and type.

In the cabinet there is a plurality of compartments. These compartments are closed by doors, indicated by the numerals 5, 6 and 7 and extend entirely across the depth of the cabinet. The compartment closed by the door indicated by the numeral 5 may be used for the purpose of containing clean towels. The compartment closed by the door indicated by the numeral 6 may be used for containing soiled towels and similar objects. The door 7 is used to close an L-shaped compartment that extends from the front of the cabinet along its bottom to the back and up the back to the top. This compartment is used for housing the cord used for electrical connections.

Above the door 7 are two drawers 8a which fit in compartments that extend to the L-shaped compartment and may be used for containing articles for sale or used in connection with the use of the drier. Above the compartments closed by doors 5 and 6 are drawers, indicated by the numeral 8, which may be used for any suitable purpose. These drawers extend the full depth of the cabinet while the drawers 8a do not extend the full depth of the cabinet and leave passage for electrical conductors.

In the top 3 of the cabinet is a hole 9. In the interior of the cabinet below the hole 9 is a bracket 10, which has therein a hole 11. Extending through the hole 9 and the hole 11 is a rotatable and removable cylinder 12. Mounted on the cylinder below its top and immediately above the top of the cabinet is an arm 13 which has thereon a sleeve 14 fitting around the cylinder 12 and resting upon a gasket 15 supported on the top of the cabinet and around the hole 9. In the cylinder 12 and adjacent the sleeve 14 is a ring 16 attached to the cylinder and the sleeve 14 by means of a rivet or any suitable instrumentality 17.

The numeral 18 is used to designate the hood, head piece or housing which has extending therefrom ears 19 between which is mounted the upper end of a post 20. This post 20 is clamped by the ears 19 through the medium of a wing-nut bolt 21. This post 20 extends downwardly in a barrel 22 partly supported by a loop 23 which has

thereon ears 24. Between these ears 24 is clamped at one end a rod 25 by means of a bolt and nut 26.

This rod 25 is supported near its other end by means of a pair of upwardly extending ears 27 mounted upon the arm 13. The ears 27 are operated by means of a wing-nut bolt 28 for clamping the rod in fixed relation to the arm 13 and the ears 27. Pivotally mounted to the end 29 of the rod 25 remote from the ears 24 is a clevis member 30. This clevis is pivotally mounted on the end 29 of the rod 25 by means of a pivot pin 31. The end 29 of the rod 25 extends into the cylinder 12 through a slot 29a thereof. Connected to the clevis remote from the pivot pin 31 is an operating rod 32.

This rod extends down through the cylinder 12, through a hole 33 in a disk 34 which has on its outer periphery a flange 35. On the lower end of the rod 32 is a nut 36 which will adjust the rod 32 with relation to the disk 34.

Fitting in the lower end of the cylinder 12 is a cylinder 37 adapted to move up and down in the cylinder 12. The disk 34 fits in the lower end of the cylinder 37 with the flange 35 engaging the end thereof. In this cylinder 12 between the flange 38 on the upper end of the cylinder 37 and the ring 16 is a spring 39 tending to urge the cylinder 37 down. On the lower end of the barrel 22 is a second loop 40 which has thereon ears 41 for clamping one of two connecting members 43. The other connecting member 43 is pivoted to the arm 13. Each of these connecting members 43 is adapted to fit in one end of a pipe or tube 42.

This tube 42 forms a housing for a conductor 44 which has on one end a plug 43a to be attached to a socket on the head 18. The conductor 44 passes through the tube 42. The conductor 44 enters the tube adjacent one of the plugs 43 and leaves it adjacent the other plug 43. This conductor passes through the passageway 45 in the lower part of the arm 13 and through a passageway 46 into the cylinder 12.

From the cylinders 12 and 37 the conductor 44 passes out through a hole or slot 47 in the cylinder 37 adjacent the disk 34. On the end of the conductor 44 is a plug 48 adapted to fit into a socket 49 in one end of the cabinet. There is also fitted in the socket 49 one end of a wire 50 which leads to a double socket 51 in the front of the cabinet near the top. The socket 49 also is adapted to receive a plug 52 on one end of a conductor wire 53 which may be coiled in the L-shaped chamber and passes out of the cabinet through a hole 54 provided for that purpose in the top of the cabinet. On the end of the wire 53 away from the plug 52 is a plug 55 adapted to be inserted into any socket for making electrical connections.

By removing the plug 48 from the socket 49 the cylinder 12 may be removed from the cabinet by an upward movement thereof taking with it the hood or head and the supporting arms. The rod 25 and the tube 42 form parallel supporting arms for the hood. By this structure the hood may be moved vertical or horizontal for adjusting the hood.

The cabinet shown in Figures 1, 2 and 3 has thereon a handle 56 by which the cabinet may be rolled from place to place. This handle 56 may be also used as a towel rack.

In Figure 4 there is shown a modified form of drier in which the size of the cabinet has been reduced to a compartment closed by a door 57 and two other compartments closed by drawers 58 and 59. The operating structures of the drier

shown in Figure 4 are identically the same as those shown in Figures 1, 2 and 3.

For the purpose of transporting the drier as shown in Figure 4, there is provided on the top of the cabinet a handle 60 by which the cabinet and the parts attached thereto may be lifted and carried from place to place as you would a suitcase.

What I claim is:

1. In a beauty service unit, a hood, a barrel to support the hood so that it may rotate, a cabinet having therein a compartment, a member rotatably mounted in the compartment, a pair of arms connected to said member and to said barrel so that said barrel may be moved vertically, and an electrical conductor extending through the member, the compartment, and one of the arms to the hood whereby the hood may be heated, said compartment serving as a storage chamber for part of the conductor.

2. In a beauty service unit, a support member, a cylinder mounted on the support, said cylinder having therein a slot, a second cylinder in one end of the first named cylinder, an arm pivotally-supported intermediate its ends by the first named cylinder, one end of said arm extending through the slot into the cylinyder, means connecting the end of said arm to the outer end of the second cylinder, means acting on said second cylinder to move it in the first named cylinder, and move the arm on its pivot, and a drier on the other end of the arm.

3. In a beauty service unit, a supporting member in the form of a cabinet, an arm pivotally supported on said cabinet, a pair of upwardly extending ears on said arm, a rod pivoted adjacent one end between the ears, means acting on said end tending to rock said rod on its pivot, a tube pivoted at one end to the arm, a barrel member pivoted to the other end of the rod and of the tube, a hood supported by the barrel member and means on the ears to clamp the rod to prevent pivotal movement of the rod and tube.

4. In a beauty service unit, a cylinder having therein a slot, a sleeve around the cylinder adjacent the slot, an arm extending from the sleeve, a tube pivoted at one end to the arm, a rod pivoted adjacent one end to the arm and extending into the cylinder through the slot, a hood on the other end of the rod and the tube, a cylinder in the first named cylinder, a rod extending from the first named rod to the outer end of the second named cylinder, and means acting on the last named cylinder tending to move the last named cylinder in said first named cylinder.

5. In a beauty service unit, a cylinder having therein a slot, a sleeve around the cylinder adjacent the slot, an arm extending from the sleeve, a tube pivoted at one end to the arm, a rod pivoted adjacent one end to the arm and extending into the cylinder through the slot, a hood on the other end of the rod and the tube, a cylinder in the first named cylinder, a rod extending from the first named rod to the outer end of the second named cylinder, and adjustable means acting on the last named cylinder tending to move the last named cylinder in said first named cylinder.

6. In a beauty service unit, a cylinder having therein a slot, a sleeve around the cylinder adjacent the slot, an arm extending from the sleeve, a tube pivoted at one end to the arm, a rod pivoted adjacent one end to the arm and extending into the cylinder through the slot, a

hood on the other end of the tube and of the bar, and means in the cylinder engaging the rod and tending to hold the tube in horizontal parallel condition.

7. In a beauty service unit, a cylinder having therein a slot, a sleeve around the cylinder adjacent the slot, an arm extending from the sleeve, a tube pivoted at one end to the arm, a rod pivoted adjacent one end to the arm and extending into the cylinder through the slot, a hood on the other end of the tube and of the bar, and means in the cylinder engaging the rod and tending to hold the tube in horizontal parallel condition, said means comprising a spring anchored at one end to the cylinder and connected at its other end to the rod.

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REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
313,937	How	Mar. 17, 1885
1,639,753	Shelton	Aug. 23, 1927
1,796,384	McElroy	Mar. 17, 1931
2,008,864	Hamilton	July 23, 1935
2,201,229	Gross	May 21, 1940
2,290,259	Vose	July 21, 1942
2,449,205	D'Emilio	Sept. 14, 1948
2,496,232	Potter	Jan. 31, 1950

FOREIGN PATENTS

Number	Country	Date
414,172	Great Britain	Aug. 2, 1934