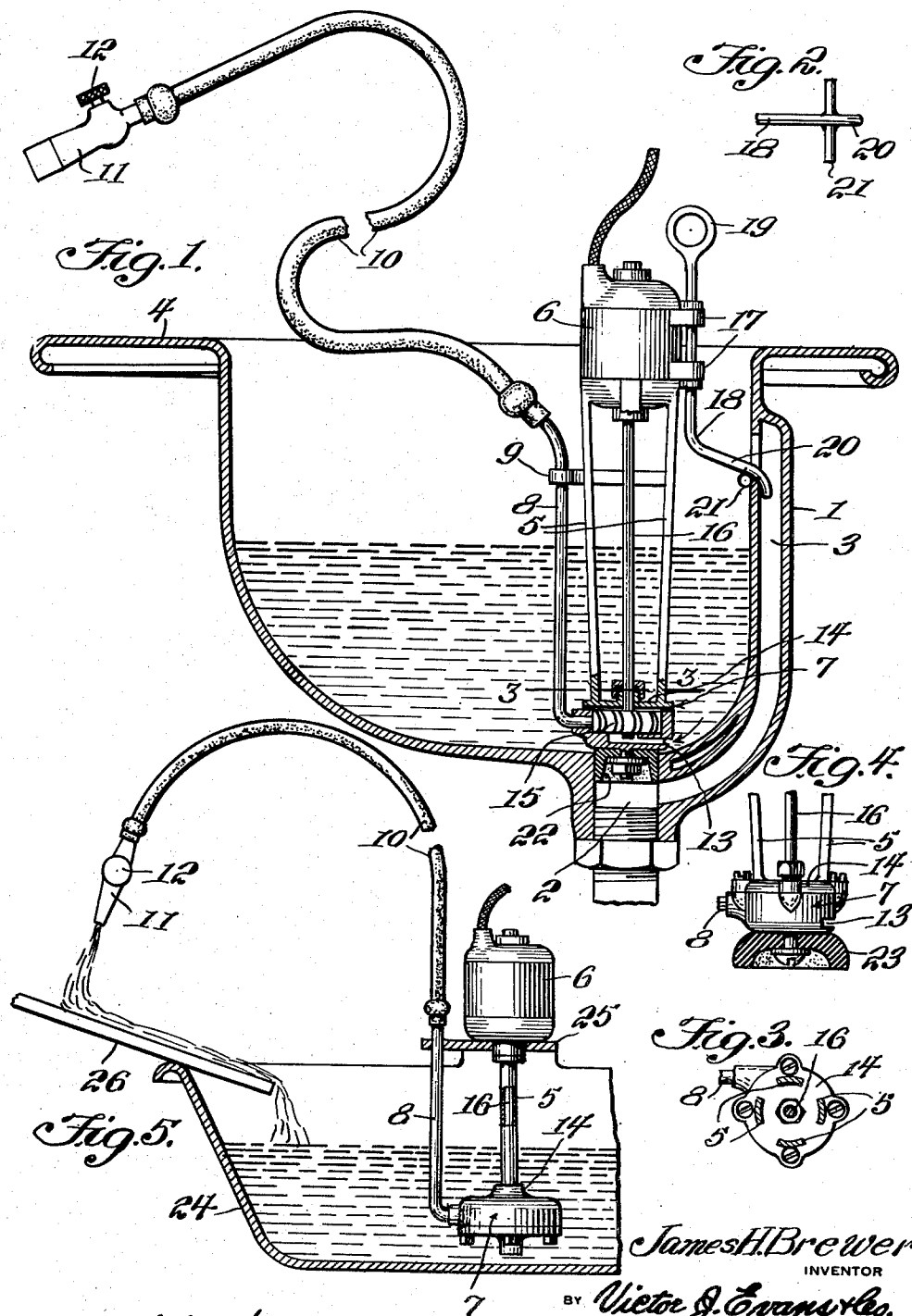


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J. H. BREWER
RINSE CIRCULATOR

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RINSE CIRCULATOR

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2 Claims. (Cl. 4—159)

This invention relates to a hair rinsing or treating device especially adaptable for beauty parlors and like establishments, and has for the primary object the provision of a portable motor driven pump and a discharge medium therefor operable in connection with a container or drain basin having a liquid therein whereby said liquid may be directed on the hair of a person and drained therefrom back into the container or basin and recirculated onto the hair as many times as desired to either thoroughly cleanse the hair or to color the latter to a desired shade when a dyeing or coloring liquid is employed.

With these and other objects in view, this invention consists in certain novel features of construction, combination and arrangement of parts to be hereinafter more fully described and claimed.

For a complete understanding of my invention, reference is to be had to the following description and accompanying drawing, in which

Figure 1 is a side elevation, partly in section, illustrating a rinse circulator adapted to a drain or wash basin of a conventional construction.

Figure 2 is a fragmentary portion of a bracket employed for aiding in supporting the rinse circulator to the basin.

Figure 3 is a sectional view taken on the line 3—3 of Figure 1.

Figure 4 is a fragmentary sectional view illustrating a cushion seat for the pump.

Figure 5 is a fragmentary vertical sectional view illustrating my invention adapted to a container.

Referring in detail to the drawing, the numeral 1 indicates a wash basin of a conventional construction now employed in beauty parlors and like establishments, the drain being indicated by the numeral 2 and the overflow by the numeral 3. The basin has a comparatively wide apron 4. When desiring to rinse a person's hair or dye or color the hair, a solution is placed in the basin with my invention closing the drain 2 so that the invention may pump the solution onto the person's hair, the solution returning to the basin by the employment of a drainboard or like device on which the hair is placed. Thus it will be seen that the solution may be passed onto the hair from the basin as many times as it is necessary to obtain a desired result.

My invention consists of a supporting structure 5 carrying at its upper end an electric motor 6. A pump 7 is carried by the lower end of the supporting structure and an outlet pipe 8 is connected to the pump and extends upwardly and

is supported by a bracket 9 carried by the supporting structure 5. A flexible hose 10 is connected to the outlet pipe 8 and has connected thereto a spray nozzle 11 of any desired construction and which is equipped with a control valve 12. The inlet of the pump is indicated by the character 13 which is located in close proximity to the bottom wall of the basin so that the pump may take in the liquid from the basin and force said liquid through the nozzle.

The pump 7 consists of a housing 14 integral with the support 5 and in which rotates a pump rotor 15 having a stem or shaft 16 connected thereto and which is in turn connected to the armature shaft of the motor 6.

The housing of the electric motor has apertured ears 17 to receive a rod 18, one end of which is provided with a finger piece 19. The rod 18 is offset, as shown at 20, and is adapted to enter the overflow 3 for aiding in supporting the structure 5 in a vertical position. A cross bar 21 is formed integrally with the portion 20 of the rod 18 and abuts the wall of the basin.

The pump housing 7 may have secured thereto either a drain plug 22 or a cushion seat 23, the latter being shown in Figure 4. When the drain 2 of the basin is closed by an ordinary stopper or plug, the plug 22 is employed on the pump housing so as to enter and close the drain and aid in supporting the device vertically in the basin. However, when the drain 2 is equipped with some type of grading or valve mechanism, the cushion seat 23 is employed for supporting the housing on the bottom of the basin.

While my invention has been described as operating in conjunction with a basin, however, it may be adapted to a container 24, the latter being provided with a supporting bracket 25 on which the motor rests with the pump submerged in the liquid in the container. The container is shown as associated with a drain board 26. This arrangement provides an entirely portable device both for the liquid and for the circulation of the liquid.

Having described the invention, I claim:

1. In combination with a washbasin having a drain and an overflow, a supporting structure arranged vertically within the basin, a pump secured to the supporting structure, a discharge medium for the pump, a plug element carried by the pump to close the drain and to aid in retaining the supporting structure vertically, an electric motor carried by the supporting structure and connected with the pump, and means connected to the electric motor and extending into the over-

flow of the basin for cooperating with said plug element in supporting the device vertically in the basin.

5 2. In combination with a washbasin having a drain and an overflow, a supporting structure arranged vertically within the basin, a pump secured to the supporting structure, a discharge medium for the pump, means carried by the pump

to close the drain, an electric motor carried by the supporting structure and connected with the pump, a rod secured to the electric motor and offset to extend into the overflow, and a cross bar integral with said rod and abutting a wall of the basin. 5

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