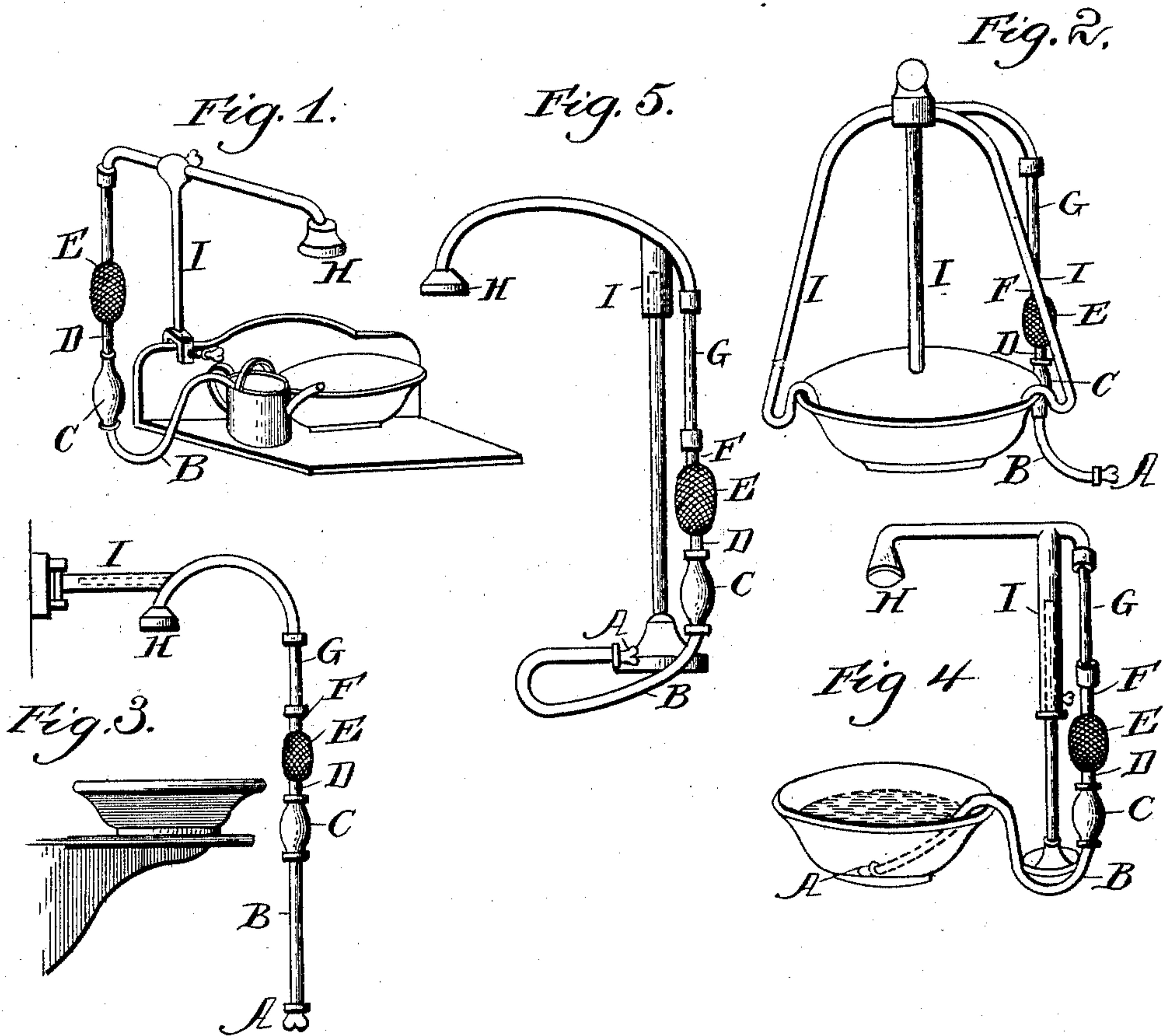


(No Model.)

H. J. GARBUTT.
PORTABLE SHAMPOOING APPARATUS.

No. 485,924.

Patented Nov. 8, 1892.



Witnesses:

J. B. McGirr.
W. J. Hancock

Inventor:
Henry J. Garbutt
By Edwin B. Biss,
Attorneys,

UNITED STATES PATENT OFFICE.

HENRY JOHN GARBUTT, OF LONDON, ENGLAND.

PORTABLE SHAMPOOING APPARATUS.

SPECIFICATION forming part of Letters Patent No. 485,924, dated November 8, 1892.

Application filed June 20, 1891. Serial No. 396,980. (No model.) Patented in England March 15, 1890, No. 4,099, and in France June 30, 1890, No. 206,706.

To all whom it may concern:

Be it known that I, HENRY JOHN GARBUTT, a subject of the Queen of Great Britain, residing at 22 Yonge Park, Holloway, London, N., England, have invented certain new and useful Improvements in Portable Shampooing Apparatus, (for which I have obtained British Patent No. 4,099, dated March 15, 1890, and French Patent No. 206,706, dated June 30, 1890;) and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The objects of the present invention are, first, to provide an improved apparatus of simple and inexpensive construction for delivering a continuous stream of either hot or cold water upon the head for shampooing or detergent purposes; secondly, to render the apparatus portable, so it can be compactly stored and easily carried, and, finally, make it applicable to a stationary wash-stand or to a reservoir or vessel or other source of supply and adjustable to the recumbent or bent position of the user.

My invention consists in a vertically-adjustable support and in a horizontally-movable support to adapt the apparatus for use to persons of different height and under varying conditions; and it further consists in the novel combination, construction, and arrangement of parts, which will be hereinafter fully described and claimed.

To enable others to understand my invention, I have illustrated the same in the accompanying drawings, in which—

Figure 1 represents my invention adapted to the "back" of an ordinary wash-stand. Fig. 2 illustrates the adaptation of the invention by a tripod to an ordinary wash-basin, the tripod-legs being simply lodged on the basin. Fig. 3 illustrates the apparatus supported by a swing-bracket attached to a wall over a stationary wash-stand or slab. Fig. 4 illustrates the apparatus supported by a telescopic standard adapted to be adjusted to the desired height and capable of horizontal movement to suit the position of the wash-basin. Fig. 5 illustrates the apparatus adapted to a non-telescopic support, but capable of turn-

ing horizontally to suit the position of a wash-basin.

Like letters of reference denote corresponding parts in all the figures of the drawings, referring to which—

A designates the suction-nozzle, which is affixed to the free end of the suction-tube B. This suction-tube is connected at its other end to a compressible bulb C, which discharges into a governor reservoir or vessel E through an intermediate short tube or pipe D, suitably secured to the compressible bulb C and the governor reservoir or vessel E. From this governor-vessel E leads a pipe F, which terminates in a branch G, the two pipes F G forming a continuous-discharge pipe for conducting water or other fluid to a discharge rose or spreader H.

The means employed for supporting and adjusting the discharge-pipe and rose or spreader depends upon and is varied in view of the structure to which the apparatus is to be applied and from which the water or cleansing fluid is to be taken. In Figs. 1, 4, and 5 I have illustrated different embodiments of a standard I for adapting the apparatus to an ordinary wash-basin. In the former (Fig. 1) the standard I has a clip provided with a set-screw at its lower end to fasten the apparatus to the back of a wash stand. The pipe G is suitably supported and clamped in the upper end of the standard, with the rose H in position over a basin, and the suction-pipe B is adapted to have its suction-nozzle immersed in a suitable vessel containing water or other liquid.

In Fig. 4 the standard I is made telescopic, the lower section being provided with a suitable base or standard, and the upper section is made tubular to fit over the lower section and slide vertically thereon, the two sections of the standard being clamped together by a set-screw or its equivalent.

The upper section of the standard and the pipe F G attached thereto can be adjusted horizontally over a basin or other place, and said parts may also be readily adjusted vertically, after which they can be clamped or held rigidly in position. In Fig. 5 the standard I is made non-adjustable vertically; but the sections of said standard are sleeved or

connected together, so that the pipe F G can be turned or adjusted freely in a horizontal plane to accommodate the rose or spreader to the basin or vessel placed to catch the water or fluid. The support may also be varied, as shown in Figs. 2 and 3, in the former of which I use a frame or tripod having its branches meeting at a common point to support the rose H centrally over an ordinary wash-basin, the lower ends of said branches of the tripod being formed into feet to take upon the edges of a wash-basin and hold or sustain the apparatus firmly in position on said basin. In Fig. 3 the support I is swiveled to a wall or other surface over a stationary wash-basin or an ordinary basin and the free end of said support has the pipe F G connected thereto, as shown, said pipe being arched and provided with the rose H, as shown.

The compressible bulb C is provided at its ends with non-return valves, and in operation the person desiring a shampoo sets the apparatus at the desired position on or to a wash-stand or other article and immerses the suction-nozzle A into water or fluid in a basin or other vessel and places his head under the rose or spreader H, after which he compresses the bulb by rapidly squeezing the same in his hand, thereby forming a vacuum in said bulb, which causes the water to flow therein and pass into the storage or governor reservoir E, and from thence in a steady continuous stream through the tube F G into and through the spreader or rose H.

I am aware that modifications in the form and proportion of parts and details of construction of the mechanisms herein shown and described as an embodiment of my invention can be made without departing from the spirit or sacrificing the advantages of my invention.

I am aware that it is not new to provide an atomizer with an air-regulator bulb which is arranged below the line of and communicates with the air-pipe leading from a compressi-

ble forcing-bulb to the nozzle which has a tube depending into the liquid, and I am also aware that a rose has been used in connection with a two-bulb shampooing device.

Having thus fully described my invention, what I claim as new, and desire to obtain by Letters Patent, is—

1. A shampooing apparatus comprising suitable supporting means, a discharge-pipe connected to or carried by said supporting means and provided with the fixed rose, the suction-pipe having the inlet-nozzle at one end, the compressible forcing-bulb connected to the other end of the suction-pipe, and the governor vessel or reservoir connected to the discharge-pipe and to the bulb and arranged in substantial axial alignment with said pipe and bulb to receive liquid from the bulb and transmit it under uniform pressure to the discharge-pipe, as and for the purpose described.

2. A portable shampooing apparatus consisting of a vertically-telescopic support, the discharge-pipe fixed to said support and having the rose, the suction-pipe, the compressible bulb, and the governor-vessel receiving from said bulb and discharging to the discharge-pipe, substantially as described.

3. A portable shampooing apparatus consisting of the combination of a support, a discharge-pipe mounted thereon to turn in a horizontal plane and provided with a rose or spreader, the suction-pipe, the compressible bulb connected to one end of said suction-pipe, and the governor-vessel intermediate of the bulb and the discharge-pipe, substantially as described.

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

HENRY JOHN GARBUTT.

Witnesses:

JNO. C. NEW,

U. S. Consul-General, London, England.

GEORGE C. HITT,

U. S. Vice Consul-General, London, England.