Aug. 12, 1947. A. R. CZAJCINSKI ET AL 2,425,513

SHAMPOOING APPARATUS

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FIG. 1.

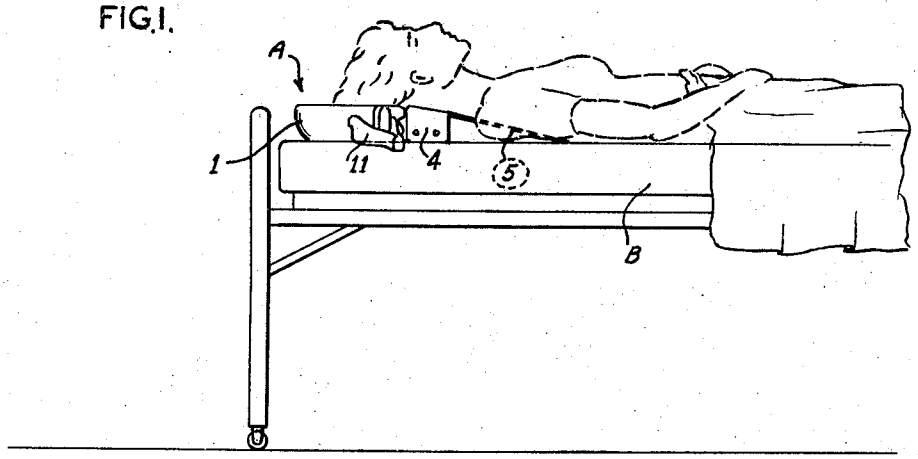

FIG. 2.

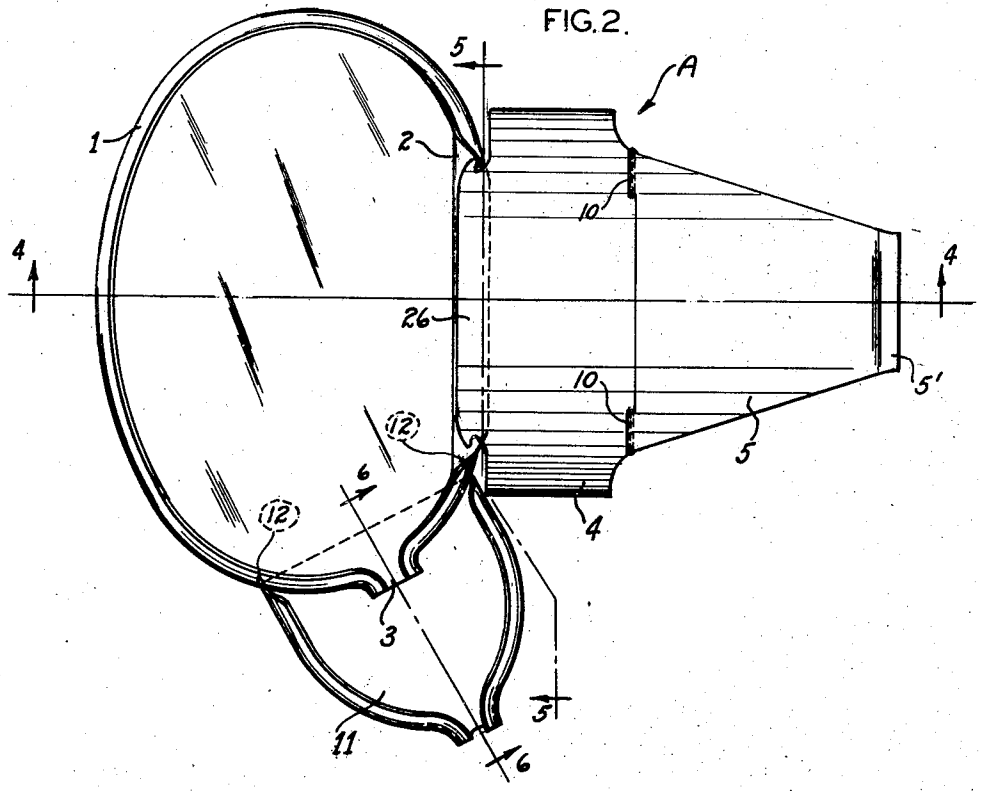

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FIG. 3.

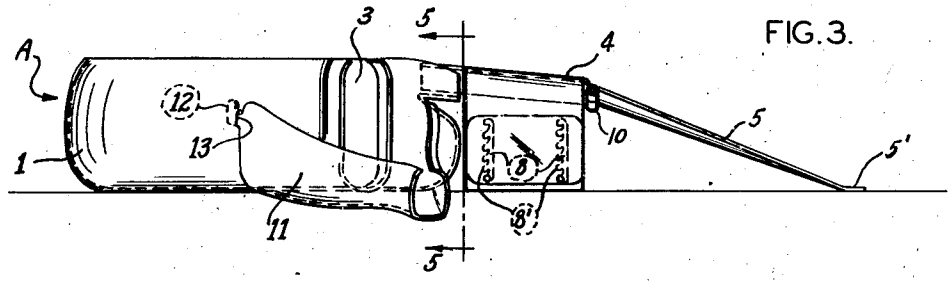

FIG. 4.

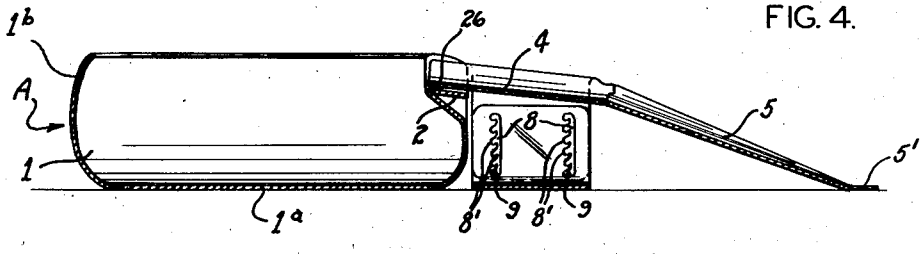

FIG. 5.

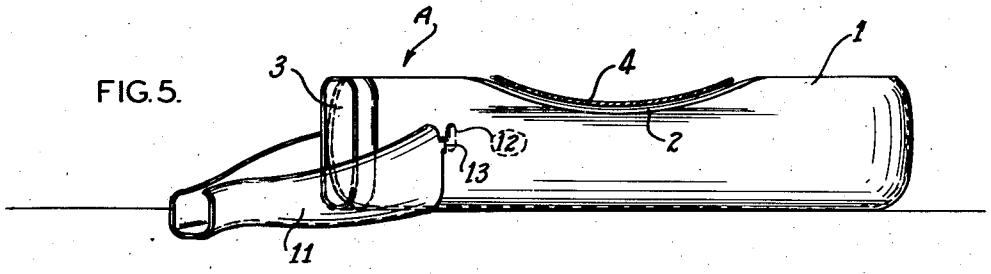

FIG. 6.

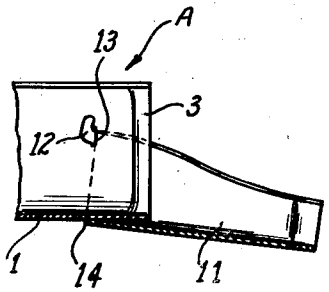

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FIG. 7.

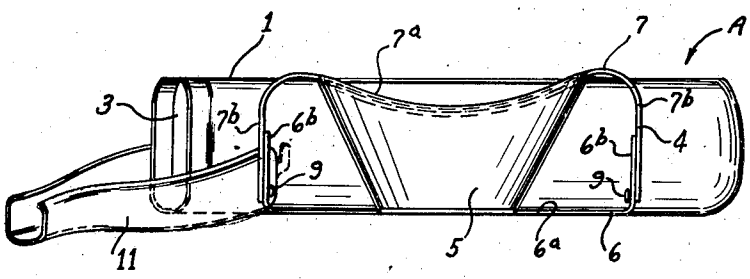


FIG. 8.

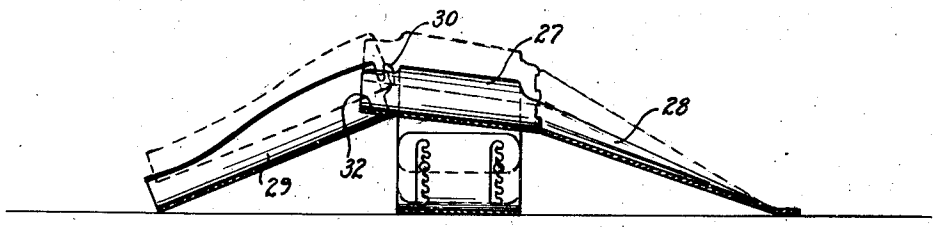
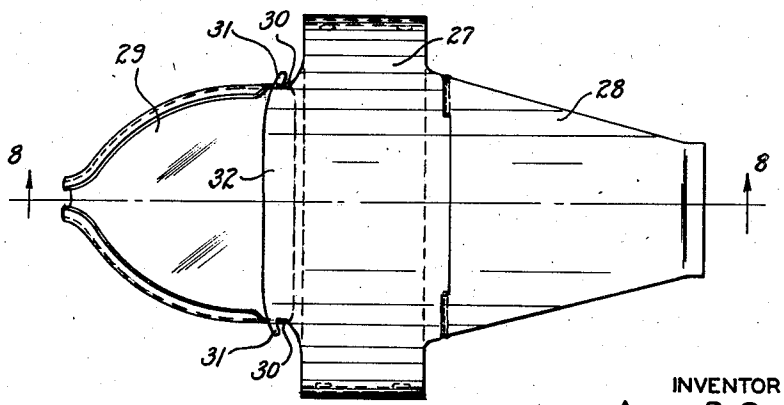


FIG. 9.



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SHAMPOOING APPARATUS

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Application March 19, 1945, Serial No. 583,487

3 Claims. (Cl. 4—159)

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This invention relates generally to shampooing apparatus, and more specifically to an improved shampooing apparatus which is adapted for use in shampooing the hair of persons confined to beds because of illness or injuries, the predominant object of the invention being to provide a shampooing apparatus of this type which, because of its improved construction and arrangement, is capable of performing its intended function in a highly efficient manner.

Fig. 1 is a side elevation illustrating the manner of using the improved shampooing apparatus, the apparatus being shown in association with a hospital-type bed and a person being illustrated by dotted lines as lying on the bed in position with respect to the apparatus for the performance of the shampooing operation.

Fig. 2 is an enlarged plan view of the shampooing apparatus illustrated in Fig. 1.

Fig. 3 is a side elevation of the shampooing apparatus illustrated in Fig. 2.

Fig. 4 is a longitudinal section taken on line 4—4 of Fig. 2.

Fig. 5 is a view partly in cross-section and partly in elevation which is taken on line 5—5 of Fig. 2.

Fig. 6 is a fragmentary sectional view taken on line 6—6 of Fig. 2.

Fig. 7 is a front elevation of the shampooing apparatus illustrated in Fig. 2.

Fig. 8 is a longitudinal section on a reduced scale illustrating a modified form of the invention.

Fig. 9 is a plan view of the shampooing apparatus illustrated in Fig. 8.

In the drawings, wherein are shown for purposes of illustration, merely, several embodiments of the invention, A designates generally the shampooing apparatus illustrated by Figs. 1 to 7, inclusive. The shampooing apparatus A includes a pan 1 which is provided with a bottom wall 1*a* and an upstanding marginal wall 1*b*, the pan being open at its top as is shown to good advantage in Fig. 4. At the forward portion of the pan 1 the upstanding marginal wall 1*b* thereof is shaped to provide an approximately horizontal shelf 2 (Fig. 4) which serves a purpose to be hereinafter referred to, this shelf being in a depressed position with respect to the top of the upstanding marginal wall of the pan and the upper portion of said marginal wall merging into the forward portion of said shelf as is shown in Fig. 2. Additionally, the upstanding marginal wall 1*b* of the pan 1 is shaped to provide, at one side of the pan, a vertically disposed, elongated opening 3, this opening 3 providing means for water to pass from the pan during a shampooing operation.

The improved shampooing apparatus A includes, also, a head supporting member 4 and a shoulder supporting member 5. The head supporting member 4 comprises a substantially U-shaped base member 6 (Fig. 7) and an upper member 7 which is of substantially inverted U-shaped formation, the top wall 7*a* of said upper member 7 being of concave formation so as to provide a comfortable rest for the neck of a person whose hair is being shampooed with the aid of the apparatus A. The base member 6 of the head supporting member 4 includes a bottom wall 6*a* and opposed upstanding side walls 6*b*, while the upper member 7 of said head supporting member 4 is provided with the concave top wall 7*a*, previously mentioned herein, and opposed downwardly extended side walls 7*b*, said side walls of the base member 6 and of the upper member 7 being arranged in contacting, overlapping relation as is shown in Fig. 7.

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It is desirable in the use of the improved shampooing apparatus A that the head supporting member 4 be adjustable as to height. Such adjustment is provided for by providing the opposed side walls 6*b* of the base member 6 with pairs of vertical slots 8 which include laterally extended, vertically spaced slot extensions 8′ which communicate with the vertical slot portions. Also, the opposed side walls 7*b* of upper member 7 of the head supporting member 4 have rigidly fixed thereto and extended inwardly therefrom pairs of rivets 9, shank portions of the various rivets being extended through corresponding slots 8 of the opposed side walls 6*b* of the base member 6, and said shank portions of said rivets being seated in the appropriate extensions 8′ of the slots 8 to support the upper portion 7 of the head supporting member 4 at the desired elevation.

When it is desired to adjust the head supporting member 4 as to height the upper member 7 thereof is shifted laterally with respect to the base member 6 to move the shank portions of the rivets 9 out of the extensions 8′ of the slots in which they were disposed and into the vertical portions of the slots. The upper portion 7 of the head supporting member 4 may then be adjusted vertically with respect to the base member 6 to the desired position, the shanks of the rivets moving through the vertical portions of the slots 8, and when the proper position of adjustment has been attained the upper member is again shifted laterally to seat the shank portions of the rivets in the appropriate slot extensions 8′ so as to support said upper member in the position to which it has been adjusted.

The shoulder supporting member 5 of the apparatus A is shaped in plan as is shown in Fig. 2 and said shoulder supporting member is attached to the head supporting member by means of suitable hinges 10, said shoulder supporting member being inclined downwardly from its point of hinged attachment to the head supporting member 4, as is shown in Figs. 1, 3, and 4. Also, at its outer end the shoulder supporting member 5

is provided with a horizontal extension 5' which provides for proper support of said outer end of said shoulder supporting member.

The pan 1 has associated therewith, at the discharge opening 3 thereof, a discharge spout 11 which is inclined downwardly to a slight degree. The discharge spout is shaped in plan as is shown in Fig. 2 and in longitudinal section as shown in Fig. 6, said spout being open at its top. The discharge spout 11 is provided with a pair of hook-shaped extensions 12 which are projected rearwardly from the opposed side walls thereof, and these hook-shaped extensions are extended through slots 13 formed through the side wall of the pan 1 at opposite sides of the discharge opening 3 of said pan. The hook-shaped extensions 12 of the discharge spout engage the inner faces of portions of the side wall of the pan 1 which are located immediately above the slots and in this manner causes the discharge spout to be attached to the pan 1, the rear end portion of the bottom wall of the discharge spout contacting with the lower face of the bottom wall of the pan, as is shown at 14 in Fig. 6, so as to maintain said discharge spout in its downwardly inclined position.

To apply the discharge spout 11 to the pan 1, said discharge spout is disposed in a substantially vertical position and the relatively narrow nose portions of the hook-shaped extensions 12 are passed through the slots 13. The discharge spout is then lowered to the position in which it is shown in Fig. 6, the nose portions of the hook-shaped portions engaging portions of the side walls of the pan 1 located above the slots 13 and the rear end portion of the bottom wall of the discharge spout engaging the bottom wall of the pan, as has been previously explained herein.

When the improved shampooing apparatus disclosed herein is to be put in use, the pan 1 is placed in proper position on a bed B (see Fig. 1) and the unit comprised of the head-supporting member 4 and the shoulder supporting member 5 is associated with said pan. In this connection it is pointed out that the top wall of the upper member 7 of the head supporting member 4 is provided with an extension 26 which overlies the shelf 2 of the pan 1 (Fig. 4). The person whose hair is to be shampooed is then placed in such position that the person's head is supported by the head supporting member 4 and so that the person's shoulders are supported by the shoulder supporting member 5, as shown in Fig. 1. The shampooing operation is then performed in the usual manner, water used during the shampooing operation being received by the pan 1, and being conducted therefrom by the discharge spout 11 for discharge into a suitable waste receptacle.

In Figs. 8 and 9 a modified form of the invention is illustrated which differs from the form of the invention shown in Figs. 1 to 7, inclusive, in that no pan, such as the pan 1, is employed. The form of the invention shown in Figs. 8 and 9 includes a head supporting member 27 and a shoulder supporting member 28, which are constructed and arranged as are the head supporting member 4 and the shoulder supporting member 5 of the form of the invention illustrated in Figs. 1 to 7, inclusive. Instead of employing a pan, such as the pan 1, a discharge spout 29 is attached directly to the head supporting member 27, said discharge spout 29 being constructed just as is the discharge spout 11 illustrated in Figs. 2, 3, 5, and 6. The discharge spout 29 is provided with

hook-shaped extensions 30 which engage projections 31 that are formed on an extension 32 of the top wall of the head supporting member 27 at opposite ends thereof, the inner end portion of the bottom wall of the discharge spout engaging the lower face of the top wall of the head supporting member so as to maintain the discharge spout 29 in the downwardly inclined position in which it is shown in Fig. 8.

We claim:

1. An apparatus adapted for use in washing the hair of a person lying on a bed, said apparatus comprising a head supporting member, a shoulder supporting member attached to said head supporting member, a pan adapted to receive water resulting from the hair washing operation, said head supporting member, said shoulder supporting member, and said pan being adapted to be supported by the bed on which the person whose hair is being washed is lying, said pan being provided with an opening for discharge of water therefrom, and a discharge spout disposed at said opening of said pan and attached to said pan and adapted to receive water discharged from said pan through the discharge opening thereof.

2. An apparatus adapted for use in washing the hair of a person lying on a bed, said apparatus comprising a head supporting member, a shoulder supporting member hingedly attached to said head supporting member, a pan adapted to receive water resulting from the hair washing operation, said head supporting member, said shoulder supporting member, and said pan being adapted to be supported by the bed on which the person whose hair is being washed is lying, said pan being provided with an opening for discharge of water therefrom, and a discharge spout disposed at said opening of said pan and attached to said pan and adapted to receive water discharged from said pan through the discharge opening thereof.

3. An apparatus adapted for use in washing the hair of a person lying on a bed, said apparatus comprising a head supporting member comprising a plurality of parts capable of relative adjustment to vary the height of said head supporting member, a shoulder supporting member, a pan adapted to receive water resulting from the hair washing operation, said head supporting member, said shoulder supporting member, and said pan being adapted to be supported by the bed on which the person whose hair is being washed is lying, said pan being provided with an opening for discharge of water therefrom, and a discharge spout disposed at said opening of said pan and adapted to receive water discharged from said pan through the discharge opening thereof.

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HELEN R. SPARKS.

REFERENCES CITED

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

UNITED STATES PATENTS

Number	Name	Date
1,868,598	Gower	July 26, 1932
2,167,178	Kohlstadt	July 25, 1939
2,351,849	Wells et al.	June 20, 1944

FOREIGN PATENTS

Number	Country	Date
402,898	Great Britain	Dec. 14, 1933