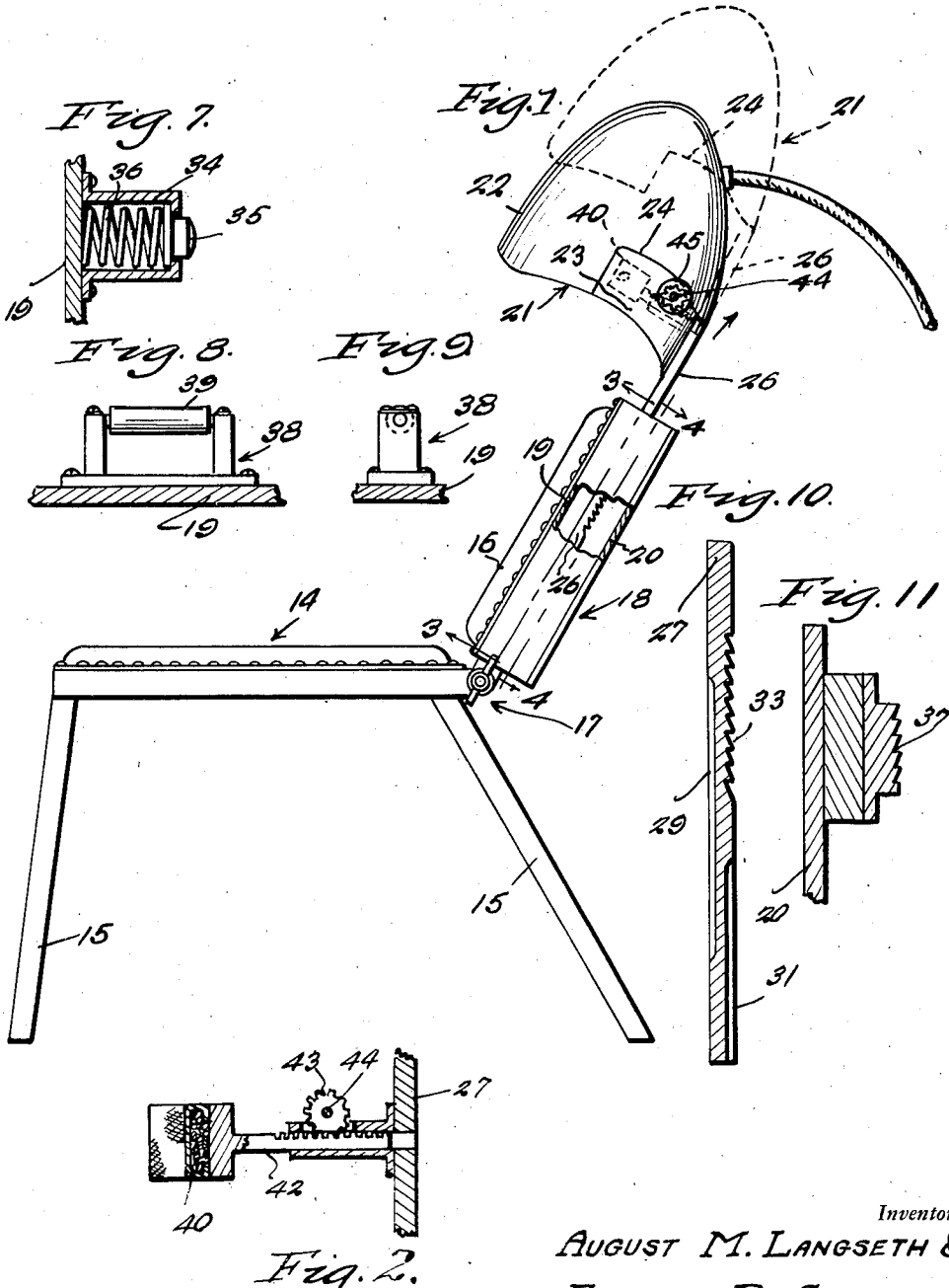
Jan. 8, 1946. A. M. LANGSETH ET AL 2,392,485

COMBINATION CHAIR, HEAD REST, AND HAIR DRIER

Filed Aug. 22, 1944 2 Sheets-Sheet 1



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Filed Aug. 22, 1944 2 Sheets-Sheet 2

Fig. 3.

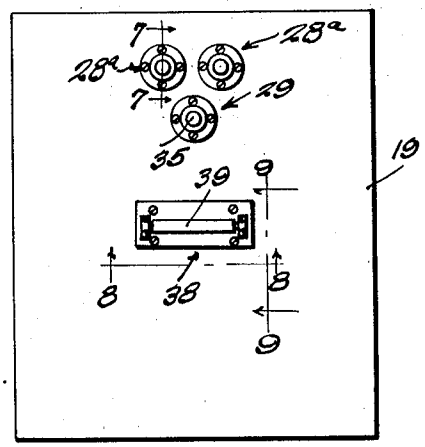


Fig. 4.

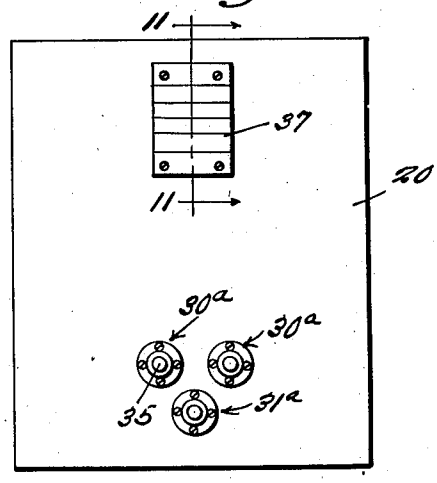


Fig. 5

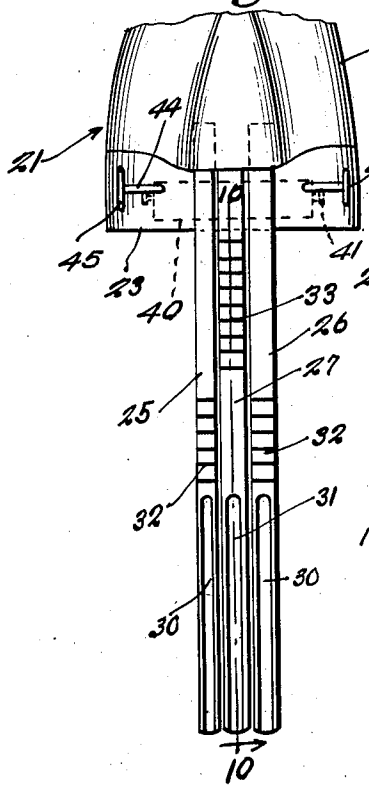


Fig. 12.

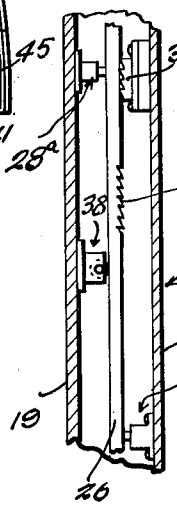
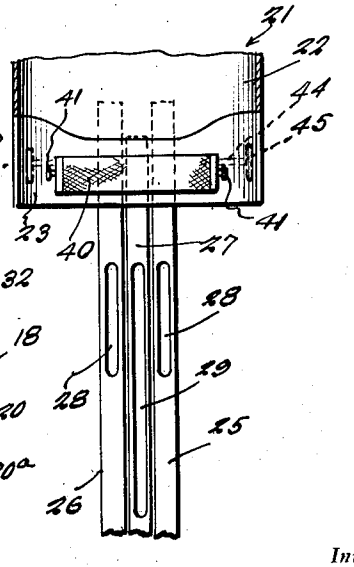


Fig. 6.



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COMBINATION CHAIR, HEADREST, AND HAIR DRIER

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Application August 22, 1944, Serial No. 550,586

5 Claims. (Cl. 34—90)

This invention relates to a chair such as is expressly constructed and equipped for use in so-called beauty parlors, hair emporiums and similar public servicing establishments, and the primary purpose of the invention is to provide a novel and improved chair which is characterized by a hinged or suitably adjustably back rest, the latter provided with a hair drier housing a companion as well as complemental head and neck rest unit.

As will be seen from the illustrative drawings and the accompanying description thereof, the principal novelty is predicated upon a sectional dome-like hair drier, a head and neck rest mounted within the confines thereof, and ways and means of adjustably supporting these respective parts on the back rest of the chair, the particular construction and arrangement being such that the hair drier and head rest may be used in combination, or the hair drier moved up to an out-of-the-way position so that the head and neck rest may be used somewhat independently, whereby to permit the latter provision to serve for facial and other treatments by itself, or to be combined with a hair drier dome as a practicable and convenient hair drier.

More specifically, novelty is predicated upon the specially constructed box-like casing or housing which is built on the rear side of the back rest of the chair, said housing having internal means to accommodate a triple assemblage of legs, these serving as the selectively usable adjusting and retaining devices for the head and neck rest and hair drier, respectively.

Other features and advantages will become more readily apparent from the following description and the accompanying illustrative drawings.

In the drawings, wherein like numerals are employed to designate like parts throughout the same:

Figure 1 represents a side elevational view of the combination structure.

Figure 2 is an enlarged fragmentary sectional view taken substantially on the line 2—2 of Figure 1.

Figure 3 is a rear elevational view of the forward guide means, this on the line 3—3 of Figure 1.

Figure 4 is a front elevational view of the rearward guide means, this on the line 4—4 of Figure 1.

Figure 5 is a fragmentary rear elevational view showing the head rest (in dotted lines) and drier with the special guide legs therefor.

Figure 6 is a fragmentary front elevational view of the structure shown in Figure 5 the head rest appearing in full lines.

Figure 7 is an enlarged detailed sectional view of one of the guide buttons, this view being taken on the line 7—7 of Figure 3.

Figure 8 is a fragmentary sectional view taken on the line 8—8 of Figure 3.

Figure 9 is a sectional view taken substantially on the line 9—9 of Figure 3.

Figure 10 is a longitudinal sectional view taken substantially on the line 10—10 of Figure 5.

Figure 11 is a fragmentary sectional view showing the toothed block, this section being taken on the line 11—11 of Figure 4.

Figure 12 is a fragmentary longitudinal sectional view showing the relationship of the guides with the legs of the drier and head rest.

Attention is first directed to Figure 1 in which it will be observed that the chair comprises a suitable cushioned seat 14, supporting legs 15 and a cushioned back rest 16 hingedly or otherwise supported, as at 17, on the leg-supported seat structure. In connection with this, it is to be pointed out that we have shown a simple hinge and wing nut connection. However, there are many more modern types of hingedly mounted back rests on chairs in the category under advisement, for which reason it is understood that the connection 17 is merely representative of any adjustable mount and connection. Mounted on the rear of the back rest of the chair is a casing or housing 18, this being a general rectangular box-like formation, of appropriate materials and dimensions. This is primarily characterized by an inner rectangular plate 19 and a spaced parallel companion plate 20. The dome-like, suitably shaped and proportioned hair drier is denoted, as a unit, by the numeral 21 and is characterized by a main body section 22 and an auxiliary complemental section 23. The latter is of such shape as to conform to and fit with nicety in the notched part 24 of the main body section 22. The main section 22 is mounted on and raised and lowered by a pair of companion parallel and spaced legs 25 and 26. The horseshoe-shaped section 23 is rigidly attached to and carried by the intervening third leg 27. As shown in Figure 6, the upper front surface portions of the legs 25 and 26 are provided with elongated depressions 28 which serve as guides, the intervening or third leg 27 having a similar depression or channel 29 also functioning as a guide to be hereinafter described.

Reference being had now to Figure 5, it will be

seen that similar guide grooves or depressions 30 are formed in the rear faces of the legs 25 and 26 and a corresponding guide 31 is provided in the leg 27 on the same side, and these faces of the parts 25, 26 and 27 are provided with rack teeth 32—32 and 33, respectively.

Referring now to the interior of the box-like casing 20, we direct attention to Figures 3 and 4. First, in reference to Figure 3, it will be seen that the front plate 19 is provided with a series of three spring-pressed plunger units 28*a*—28*a* and 29*a*. These units are of the construction seen in Figure 7, each comprising a casing or cylinder 34, a button 35 and an expansion coiled spring 36. The spring-pressed buttons are projected into the respective guide and retention grooves 28 and 29, as is evident from Figures 6 and 12 considered in conjunction with each other. A similar set of three spring-pressed plunger guides and retainers are indicated at the lower portion of the rear opposed plate 20, as seen in Figure 4, these being differentiated respectively by the numerals 30*a*—30*a* and 31*a*. These project into the grooves 30—30 and 31 shown in Figure 5.

It is thus evident that the three legs pass down through the casing and between the opposed sets of spring-pressed guide plungers. In addition, and to facilitate assembling and adjusting, we provide a rack plate 37 whose position is brought out in Figure 12. This is on the plate 20 directly above the spring-pressed plungers and in alignment with the respective rack-equipped legs. We next call attention to a suitable bracket 38 with an idling anti-friction roller 39 mounted thereon, this arrangement being carried by the plate 19. It occupies the position shown in Figure 12 and serves as a fulcrum for the legs 25, 26 and 27, respectively. By properly manipulating the legs against the spring-pressed plungers and against the fulcruming roller, it is possible to shift the same up and down in respect to the casing 18 and to therefore adjust the parts 22 and 23 of the hair drier and neck rest assembly.

The aforementioned head and neck rest, of general U-shaped form, is differentiated by the numeral 40, this having headed buttons 41 at its end portions to facilitate fastening of protector-paper (not shown) thereto for individual and sanitary use. The head rest 40 is actually associated with and a part of the section 23 of the hair drier dome. In other words, it is movable in unison with said part 23 for both parts being mounted on the same legs 27. It is necessary, however, in practice to employ some sort of adjusting means for the head rest, and in Figure 2 we have shown a rack-equipped stem 42, a pinion 43, the latter mounted on a suitably mounted shaft 44 and said shaft being provided with knobs or grips 45 as a simplified adjustment arrangement.

In practice the sections 22 and 23 may be used in mating relationship, as shown in full lines in Figure 1. Or the part 22 can be adjusted up to an elevated position, as shown in dotted lines, completely clear of the head rest 40 and associated sections 31. Consequently, the head rest and dome can be used in conjunction with each other, for the dome can be lifted up and the head rest used by itself.

A careful consideration of the foregoing description in conjunction with the invention as illustrated in the drawings will enable the reader to obtain a clear understanding and impression of the alleged features of merit and novelty sufficiently to clarify the construction of the invention as hereinafter claimed.

Minor changes in shape, size, materials and rearrangement of parts may be resorted to in actual practice so long as no departure is made from the invention as claimed.

We claim:

1. In a combined chair and drier dome and built-in head rest, in combination, a chair including a seat and a complemental back rest, a casing mounted on the rear side of said back rest, spring-pressed guide and retention devices mounted on the interior of said casing in fixed predetermined relationship, a head-receiving hair-drying dome in the form of a hood and provided on its rear marginal side with a pair of rigid spaced and parallel legs, said legs depending and being slidably mounted in said casing and operable in connection with and between said spring-pressed guide and retention devices, and a head and neck rest unit forming a part of the drying hood and also including a depending rigidly attached leg, said leg being positioned and slidable between the first-named legs and also between said spring-pressed guide and retention devices, whereby to permit the hood and head rest to be bodily adjusted in relatively fixed relation, or the hood raised in relation to the head and neck rest.

2. In a combination chair, head-rest and hair drier, a chair comprising a leg-supporting seat, a back-rest attached to said seat, a hair drier dome, said dome embodying a main body section, said body section being formed in its lower rear edge portion with a notch of predetermined shape, the notched portion being provided with rigid depending legs, means for attaching and adjustably mounting said legs on said back-rest, said dome also including an auxiliary complemental section, the latter conforming to and fitting in the notched portion of the body section, an additional leg, this rigidly mounted on said auxiliary section and fitting slidably between said first-named legs and a head and neck rest mounted atop said additional leg and located in a position within and forming a part of said confines of the sectional hair drier dome.

3. In a combination chair, head-rest and hair drier of the class described, a chair comprising a leg-supported seat, a back-rest mounted on said seat, a hollow box-like casing mounted on the back-rest, a hair drier dome provided on its rear portion with a pair of permanently attached spaced, parallel, rigid depending legs, a head-rest normally located in and forming a complemental part of said dome and provided with an independent rigidly mounted depending leg shiftably arranged between the first-named legs, all three of said legs being fitted and nested together and projecting down and into said casing and being shiftably slidable therein, all of said legs being provided with guide grooves, the first-named legs being slidable vertically with respect to the second-named leg and spring-pressed guide and retention devices mounted in said casing and fitting into said grooves.

4. In a structure of the class described, a chair including a back-rest, a hollow casing built on to the rear side thereof, a plurality of spring-pressed plunger units forming guide and retention members, these mounted on the interior of the casing on one side thereof, a second plurality of spring-pressed plunger units mounted in the casing on an opposite side thereof and also constituting frictional guide and retention members, a hair

drier dome provided with a pair of rigidly mounted depending parallel legs, said legs having guide grooves on opposite faces, the respective plungers of said plunger units being seated in and coacting with said grooves, said legs being also provided with rack teeth, and a rack plate rigidly mounted in said casing, said rack teeth coacting therewith.

5. In a structure of the class described, a chair including a back-rest, said back-rest having a hollow casing built on the rear side thereof, a plurality of spring-pressed plunger units forming guide and retention members, these mounted on the interior of the casing on one side thereof, a second plurality of spring-pressed plunger units mounted in the casing on an opposite side thereof and also constituting frictional guide and retention members, a hair drier dome provided with a pair of depending parallel and rigid legs, said legs having guide grooves on opposite sides, the respective plungers being seated in and coacting with said grooves, said legs being also provided with rack teeth, a rack plate rigidly mounted in said casing, said rack teeth coacting therewith, and a fixedly mounted fulcruming roller mounted in said casing, said legs having slidable and rockable coaction with said roller.

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