Feb. 19, 1952 W. R. ASHBY 2,586,595

ELECTRIC OUTLET FOR BARBER'S CHAIR

Filed March 17, 1950 2 SHEETS—SHEET 1

Fig. 1

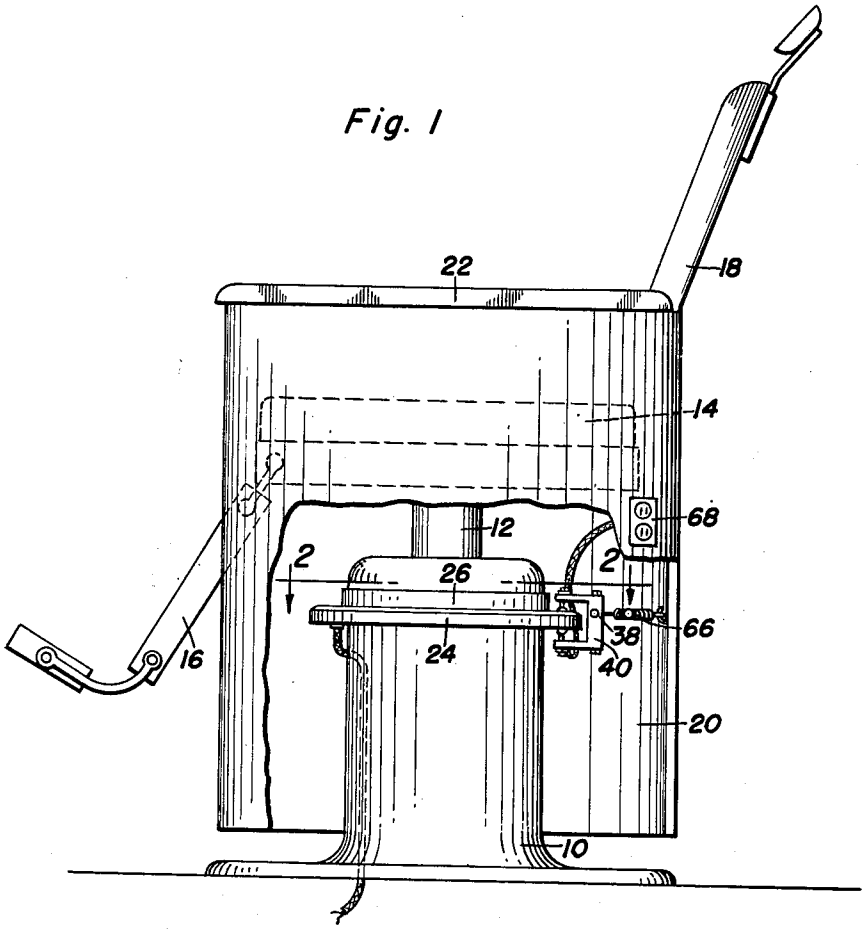

Fig. 4

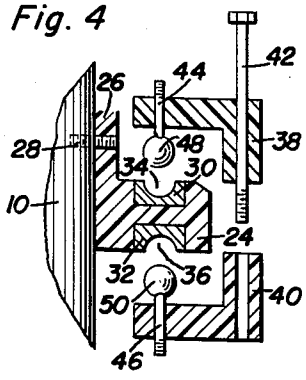

Fig. 5

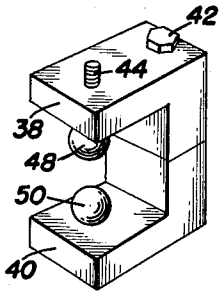

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Fig. 2

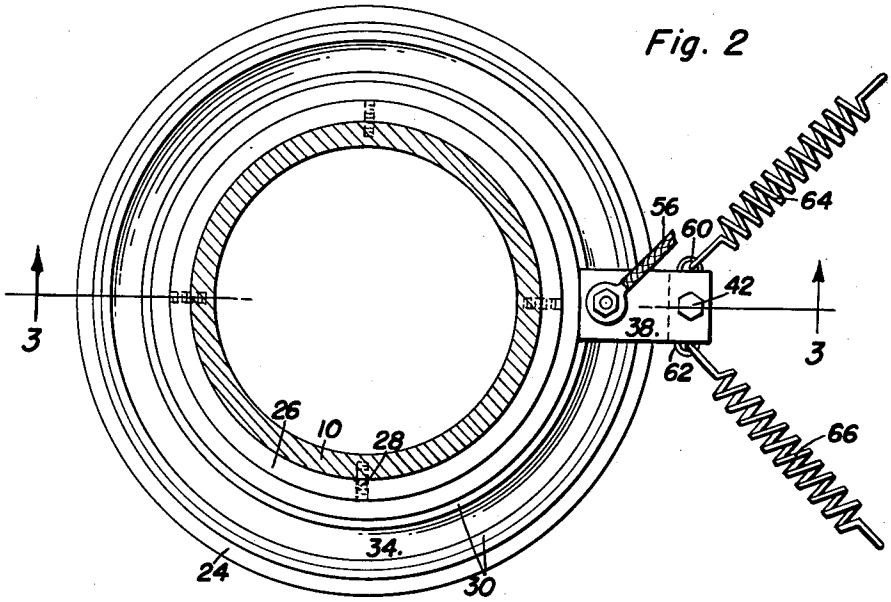
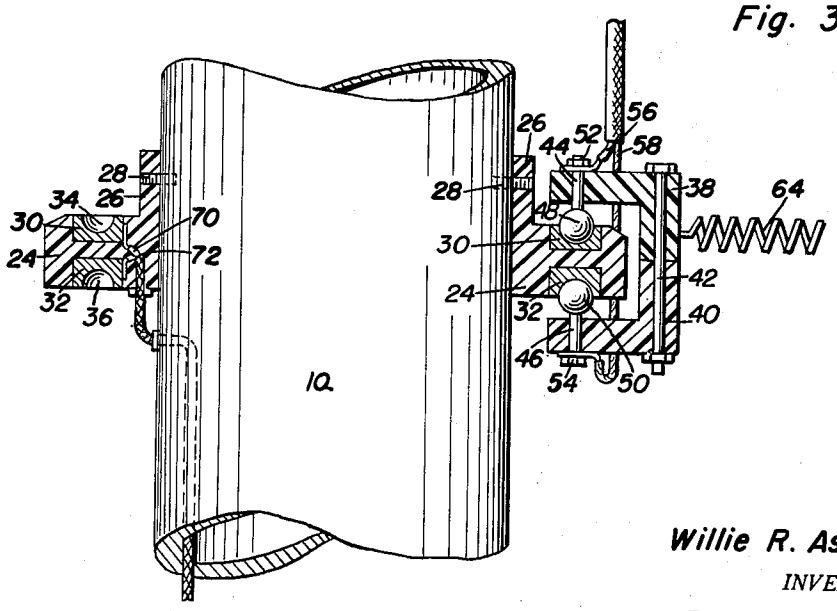


Fig. 3



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ELECTRIC OUTLET FOR BARBER'S CHAIR

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3 Claims. (Cl. 173—324)

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This invention relates to an attachment for a revolving and tilting barber's chair and more particularly to means for electrically connecting a terminal or outlet on a skirt of the barber's chair with a source of electrical power without interferring with the operation of the chair and without the use of overhead exposed conductors.

An object of the invention resides in the provision of an attachment which may be secured to the base and to the skirt of a revolving barber's chair so that an electric outlet carried by the skirt can be operatively connected to a source of power supply remote from the barber's chair without necessitating the use of exposed overhead wires or the like.

Another object of this invention resides in the provision of means for securing contact means engageable with a conductive ring in a resilient manner to the skirt of the barber's chair so as to eliminate or lessen the possibility of short circuits due to vibration and displacement of the skirt of the chair relative to the rest of the barber's chair.

Still further objects of the invention reside in the provision of an attachment for a barber's chair that is strong, durable, highly efficient in operation, safe to use, capable of passing insurance underwriters inspection, very efficient in operation, and quite inexpensive.

These, together with the various ancillary objects of the invention which will become apparent as the following description proceeds, are attained by this device, a preferred embodiment of which has been illustrated in the accompanying drawings, by way of example only, wherein:

Figure 1 is a side elevational view showing the invention in operative emplacement on a barber's chair, with parts of the skirt of the barber's chair being broken away to show the invention in greater detail;

Figure 2 is a vertical sectional view as taken along the line 2—2 in Figure 1, and being shown in an enlarged scale;

Figure 3 is a vertical sectional view as taken along the line 3—3 of Figure 2;

Figure 4 is a vertical sectional detail of a portion of the invention being illustrated in an exploded manner to illustrate the manner in which the parts thereof are secured together; and

Figure 5 is a perspective view of an important element of the invention.

With continuing reference to the accompanying drawings wherein like reference numerals designate similar parts throughout the various views, reference numerals 10 generally designates

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a barber's chair base in which a hydraulically vertically adjustable revolving shaft 12 is journaled. Mounted on the shaft 12 for vertical adjustment is a seat 14 to which there is adjustably attached a foot rest 16 and a back rest 18. An ornamental and protective skirt or guard 20 is supported in an encompassing position about the shaft 12 and the seat 14 by any convenient means such as brackets terminally secured to the skirt 20 and the seat 14. The upper surface of the skirt 20 is shaped to form arm rests 22.

Secured to the base 10 is one element forming the attachment comprising the present invention. This element is a ring 24 formed from a phenolic resin or other insulative material which is provided with an annular flange 26 for securing the ring 24 to the base 10 by means of set screws 28 suitably spaced about the flange 26. The ring 26 is provided with a pair of opposed recesses in which conductive rings 30 and 32 which are formed preferably from copper or aluminum are emplaced. The rings 30 and 32 are provided with hemispherical annular grooves 34 and 36.

A pair of L-shaped bracket members 38 and 40 formed of a suitable insulative material and secured together by a bolt 42 to form a substantially U-shaped bracket are further provided with apertures therethrough for reception of copper or other conductive metallic shafts 44 and 46 which are positioned therein in a secure manner. Secured to the shafts 44 and 46 and encompassing an end thereof are metallic spheres 48 and 50 which engage the rings 30 and 32 within the annular grooves 34 and 36. The shafts 44 and 46 are press-fitted in the apertures in the bracket elements 38 and 40 and are threaded at their free ends to provide terminals 52 and 54 so that conductors 56 and 58 may be readily attached respectively thereto. The bracket element 38 is formed with a pair of eyes 60 and 62 to which are secured one end of each of the coil springs 64 and 66, respectively. The free ends of the coil springs 64 and 66 are secured to the skirt 20. The conductors 56 and 56 are connected to a duplex outlet 68 mounted on the skirt 20, which outlet is of any conventional or desirable design. An aperture is formed in the base 10 through which conductors 70 and 72 may pass so that the conductor rings 34 and 36 may be electrically connected with a power source remote from the barber's chair 10.

With this attachment operative emplaced on a rotating and tiltable barber's chair it is merely necessary to plug in the extension cord of hair

clippers or other instruments into the outlet 68 to supply power to the hair clippers. Further, the chair may be readily rotated to any desired position thus aiding the barber in performing his hair cutting or other operations yet preventing any disconnection of the operative electrical circuit to the electrical appliances.

The springs 64 and 66 provide the useful and necessary function of absorbing shock when a customer seats himself on the seat portion 14 or when the revolving portions are rotated rapidly or stopped quickly.

Since from the foregoing the construction and advantages of this electrical outlet for barber's chair are early apparent, further description is believed to be unnecessary.

However, since numerous modifications will readily occur to those skilled in the art after a consideration of the foregoing specification and accompanying drawings, it is not intended to limit the invention to the precise embodiment shown and described, but all suitable modifications and equivalents may be resorted to which fall within the scope of the appended claims.

Having described the invention, what is claimed as new is:

1. An attachment for a revolving and tilting barber's chair having a base and a revolving shaft journaled in said base, said revolving shaft having seating means secured thereon and a skirt encompassing said seating means and said shaft, said attachment comprising an insulative ring adapted to be secured to said base, a pair of conductive rings secured to said insulative ring, one of said conductive rings having an upwardly opening groove therein, the other of said conductive rings having a downwardly opening groove therein, said conductive rings being insulated from each other and from said base by said insulative ring, a U-shaped insulative bracket overlying said insulative ring, contact fingers carried by each of the legs of said bracket and extending towards each other in said grooves, means attached to said bracket and to said skirt yieldingly urging said bracket radially outwardly of said conductive rings, and a plurality of conductors operatively connecting said conductive rings to a source of electrical power and said contact means to electric outlet means mounted on said skirt.

2. An attachment for a revolving and tilting barber's chair having a base and a revolving shaft journaled in said base, said revolving shaft having seating means secured thereon and a skirt encompassing said seating means and said shaft, said attachment comprising an insulative ring of L-shaped cross-section having a first leg adapted

to be secured to said base, first and second conductive rings respectively secured to the upper and lower faces of the second leg of said insulative ring, said first and second conductive rings being insulated from each other and from said base by said insulative ring and respectively having upwardly and downwardly opening grooves therein, an insulative bracket overlying the second leg of said insulative ring and having contact means secured thereto and extending towards each other into the grooves in said first and second conductive rings, a plurality of resilient spring members secured to said bracket and to circumferentially spaced points on said skirt yieldingly urging said bracket radially outwardly and a plurality of conductors operatively connecting said conductive rings to a source of electrical power and said contact means to electric outlet means mounted on said skirt.

3. An attachment for a revolving barber's chair having a base with a revolving shaft journaled therein and a skirt encompassing said shaft and revolving therewith, said attachment comprising an insulative ring secured to said base, a pair of conductive rings secured to said insulative ring, each of said conductive rings having a hemispherical annular groove formed therein, one of said grooves opening upwardly and the other of said grooves opening downwardly, an insulative bracket secured to said skirt having contact means secured thereto, said contact means comprising a pair of spherical members extending towards each other and each engaging one of said conductive rings within said hemispherical annular grooves, a plurality of resilient spring members having one end secured to said bracket, the other ends of said spring members being secured at circumferentially spaced points on said skirt, and a plurality of conductors operatively connecting said conductive rings to a source of electrical power and said contact means to electric outlet means mounted on said skirt.

WILLIE R. ASHBY.

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