Aug. 27, 1940. C. R. JONES ET AL 2,212,777

STOOL ATTACHMENT FOR BARBERS' CHAIRS

Filed Feb. 8, 1938

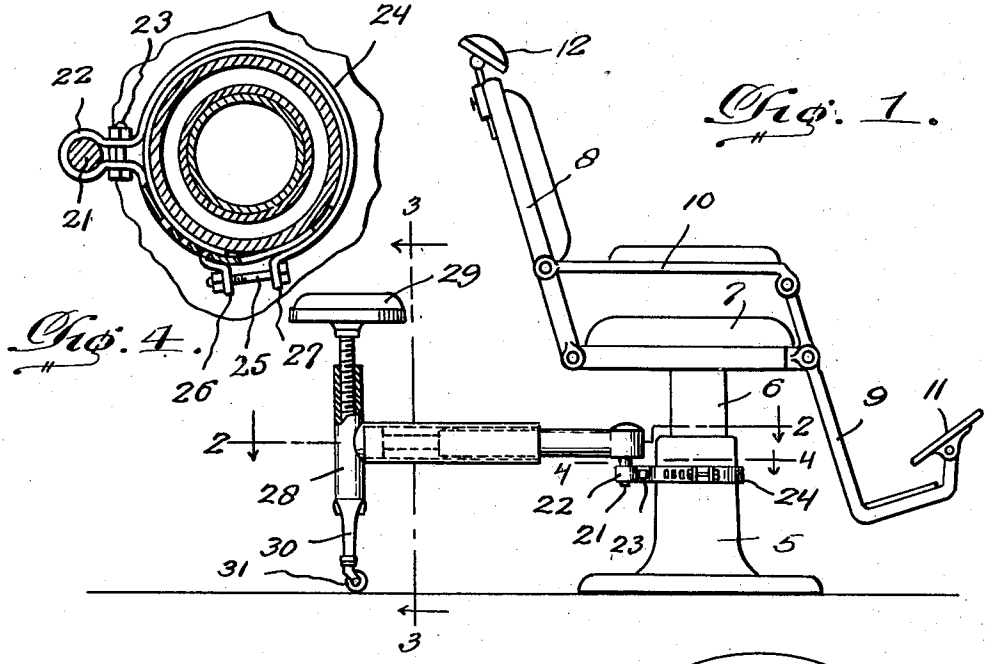


Fig. 4.

Fig. 1.

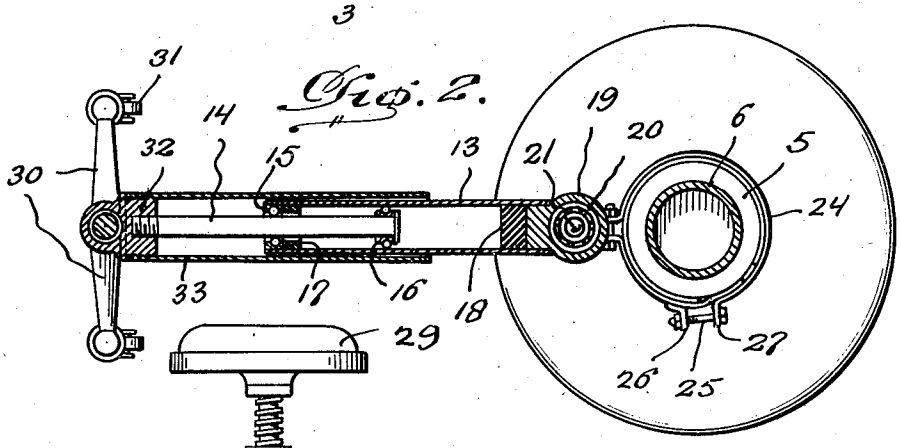


Fig. 2.

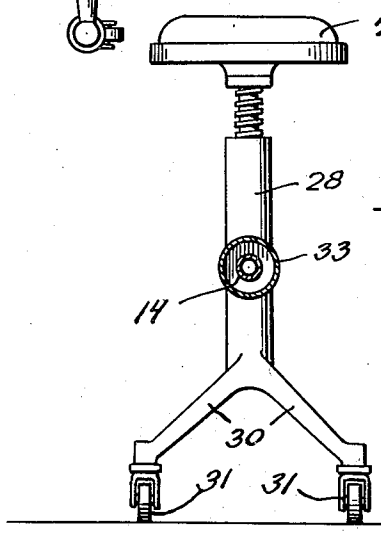


Fig. 3.

Inventors

Charles R. Jones,
John H. Goodman,
Henry L. Cowley,

By J. Stanley Burch

Attorney

Patented Aug. 27, 1940 2,212,777

UNITED STATES PATENT OFFICE

2,212,777

STOOL ATTACHMENT FOR BARBERS' CHAIRS

Charles Robert Jones, Rossville, Ga., and John H. Goodman and Henry L. Cowley, Chattanooga, Tenn.; Charles Robert Jones, Jr., administrator of said Charles Robert Jones, deceased

Application February 8, 1938, Serial No. 189,424

2 Claims. (Cl. 155—81)

This invention relates to a stool attachment for a barber's chair by means of which the barber may assume a restful sitting position while rendering tonsorial service to the occupant of the barber's chair.

The primary object of the present invention is to provide an attachment of the above kind which is extremely simple and durable in construction, inexpensive to manufacture, easy to install, and efficient in use.

A more specific object of the present invention is to provide an attachment of the above kind including an extensible horizontally swinging arm bracketed to the barber's chair and attached to the stool, anti-friction bearings being so provided as to permit the occupant of the stool to readily extend the arm or swing it laterally in either direction with great ease and without dismounting from the stool, whereby to change his position toward or away from the occupant of the barber's chair or to a position in back of or at either side of said barber's chair.

With the above general objects in view, the present invention consists in the novel form, combination and arrangement of parts hereinafter more fully described, shown in the accompanying drawing and claimed.

In the drawing, wherein like reference characters indicate corresponding parts throughout the several views:

Figure 1 is a side elevational view, partly broken away and in section, of a barber's chair equipped with a stool attachment constructed in accordance with the present invention.

Figure 2 is an enlarged horizontal section on line 2—2 of Figure 1.

Figure 3 is an enlarged vertical section on line 3—3 of Figure 1; and

Figure 4 is an enlarged fragmentary horizontal section on line 4—4 of Figure 1.

Referring in detail to the drawing, 5 indicates the stationary supporting base of a conventional barber's chair and in which is disposed a vertically adjustable standard 6 on the upper end of which is disposed the seat 7 of the barber's chair which also includes the usual adjustable back 8 hinged to the seat 7 and connected with a swinging member 9 through arm rest 10, said member 9 carrying the usual foot rest 11. While this barber's chair may be of any well known or preferred construction, it will be understood that manually operable means is usually provided for varying the height of the seat 7 by raising or lowering the standard 6 with respect to the base 5. Also, the adjustable back 8 carries the usual adjustable head rest 12.

The stool attachment constituting the present invention includes a horizontally swinging extensible arm composed of a tube 13 and a rod 14 slidably extended therein so that the arm may be lengthened or shortened. To provide for extreme ease of movement of the rod 14 inwardly or outwardly of the tube 13 for this purpose, the inner end of tube 13 is provided with an anti-friction bearing 15 having anti-friction members engaging the rod 14, and the inner end of rod 14 has an anti-friction bearing 16 whose anti-friction members engage the inner surface of tube 13. A resilient bumper 17 loosely surrounds the rod 14 and is fitted in the inner end of tube 13 adjacent bearing 16 to cushion and limit the outward movement of rod 14, while a further resilient bumper 18 is disposed within the outer end of tube 13 to cushion and limit the inward movement of rod 14. Rigid with the outer end of tube 13 is a head 19 provided in its under side with a cylindrical recess in which is fitted an anti-friction bearing 20 whose inner race is keyed to the upper end of a stem 21. The lower end of stem 21 is clamped in the smaller clamping portion 22 of a duplex clamping band, the portion 22 being tightened by manipulation of a clamping bolt 23. The duplex clamping band also includes a larger clamping portion 24 adapted to be clamped about the upper portion of the base 5 of the barber's chair as shown clearly in Figure 1. This larger clamping portion is provided with the usual clamping bolt 25 extending through outturned ears 26 and 27, the ear 26 being preferably adjustable so as to permit a great range of adjustment in the size of the clamping portion 24 for accommodating the latter to bases of barber chairs of widely different sizes or diameters. It will thus be seen that by means of the duplex clamping band the telescopic or extensible horizontally swinging arm composed of parts 13 and 14 is effectively supported at the desired elevation above the floor, the horizontal arm being movable laterally about the pivotal axis of bearing 20 with extreme ease. In installing the attachment, the duplex clamping band is disposed so that its smaller clamping portion 22 projects to the rear of the barber's chair, as shown in Figures 1 and 2. The outer end of rod 14 is rigidly attached to the vertical standard 28 of a stool having a vertically adjustable seat 29, and provided with downwardly diverging legs 30 rigid with the lower end of the standard 28 and provided at their lower ends with suitable caster wheels 31 engaging the floor. To

facilitate extreme ease of movement of the stool along the floor, the wheels of the casters 31 are preferably provided with anti-friction bearings and in order to minimize noise, said wheels of the casters 31 are preferably provided with cushioned tires. With the rod 14 of the horizontal arm thus rigidly attached to the standard 28 of the stool, the latter is maintained in proper vertical position, and it will be apparent that the seat 29 of the stool is vertically adjustable to suit the requirements of the barber. The standard 28 of the stool preferably has a laterally projecting hollow stud 32 rigid with the standard 28 intermediate its ends and into which the outer end of the rod 14 is threaded. Threaded onto the stud 32 is the outer end of a tube 33 which encases the rod 14 and loosely extends over the tube 13 close to but entirely spaced from the latter so as to afford no frictional resistance whatever to the movement of rod 14 into and out of tube 13. This provides a protected construction which is extremely neat and sightly in appearance, the rod 14 being essentially of considerably less cross sectional diameter than the tube 13 by reason of the provision of the anti-friction bearings 15 and 16 between the rod 14 and the tube 13. The bearings 15 and 16 provide for noiseless operation when the horizontal arm is extended or collapsed, and such extension or collapse of the horizontal arm may be effected with great ease and with the expenditure of very little force by the occupant of the stool without dismounting from the latter. When this is done, the occupant of the stool has his feet in contact with the floor and simply causes a slight movement of the body. Lateral swinging movement of the arm to change the lateral position of the stool relative to the barber's chair is effected by propelling action of the feet against the floor on the part of the occupant of the stool. The anti-friction bearings employed in this invention are absolutely essential to successful operation because sufficient ease of movement cannot be had where pivoted or telescopic parts are provided without interposed anti-friction bearings. Obviously, it is unnecessary to dismount from the stool to effect any of the possible changes in position of the stool and its occupant with respect to the barber's chair.

From the foregoing description, it is believed that the construction and operation, as well as the advantages of the present invention, will be readily understood and appreciated by those skilled in the art. While the construction shown is at present preferred, it will be apparent that the same is susceptible to certain modifications and changes without departing from the spirit and scope of the invention as claimed.

What we claim as new is:

1. A stool attachment for a barber's chair having a base provided with a pedestal, comprising a duplex clamping band having a large clamping portion adapted to be secured about said pedestal and also having a smaller clamping portion, a pin having its lower end non-rotatably held by said smaller clamping portion and projecting upwardly from the latter, an extensible and collapsible horizontal arm including inner and outer telescopic members, a hollow head rigid with the outer end of the outer telescopic member and carrying an anti-friction bearing, said head being open at the bottom and closed at the top, said anti-friction bearing having an inner race keyed to the upper end of said pin and an outer race non-rotatably fitted in said head, and a stool standard rigid with the outer end of the inner telescopic member.

2. In a stool attachment for a barber's chair having a base provided with a pedestal, an extensible and collapsible horizontal arm including inner and outer telescopic members, means to pivotally mount the outer end of the outer telescopic member upon said pedestal for horizontal swinging movement, a stool standard, a stud carried by said stool standard, the outer end of said inner telescopic member being rigid with said stud, and a casing tube having its outer end fitted over said stud, said casing tube extending and loosely fitting over said outer telescopic member.

CHARLES ROBT. JONES.
JOHN H. GOODMAN.
HENRY L. COWLEY.