Feb. 24, 1931. C. H. GIRARD 1,793,606

ATTACHMENT FOR BARBERS' CHAIRS

Original Filed June 14, 1928 2 Sheets-Sheet 1

Fig. 1.

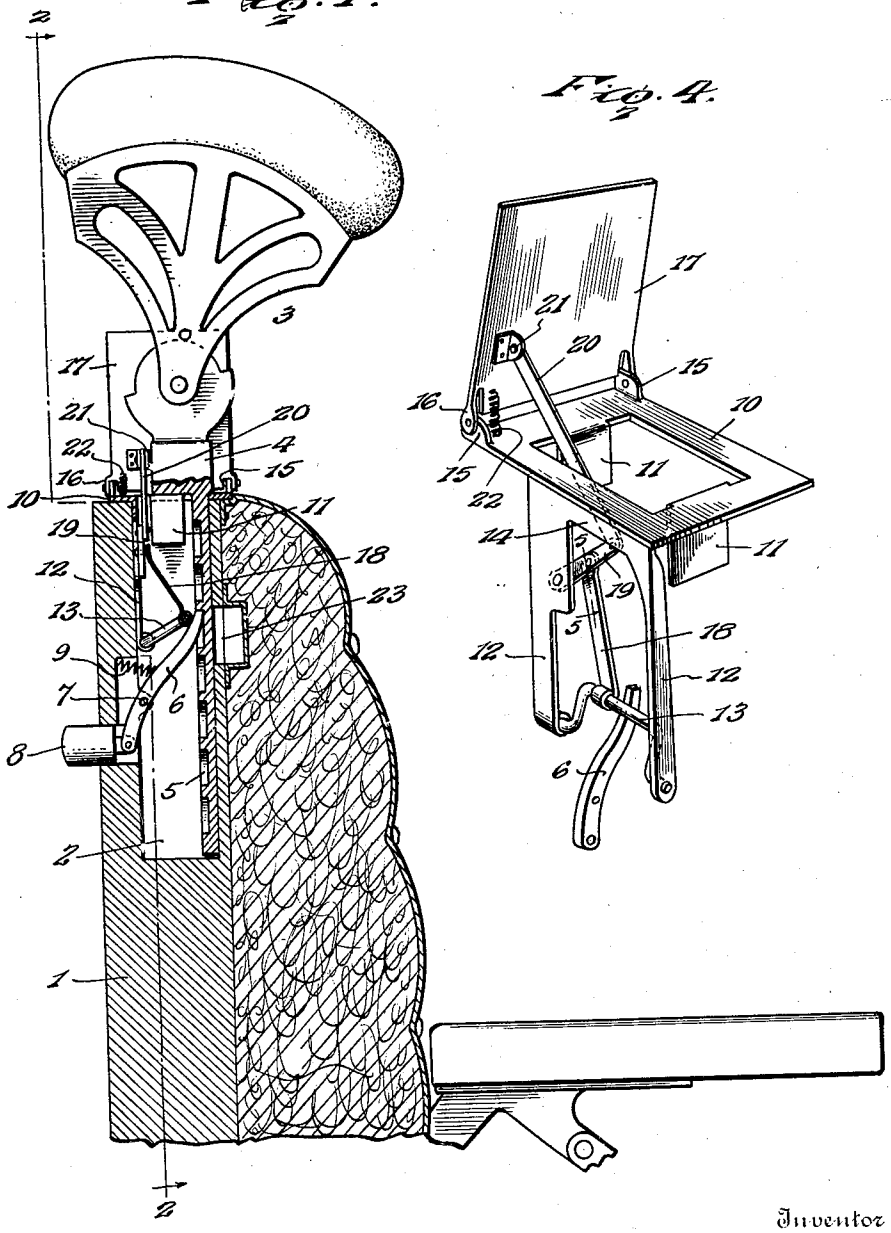
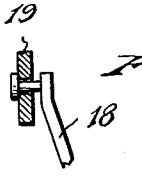


Fig. 4.

Fig. 5



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Fig. 2.

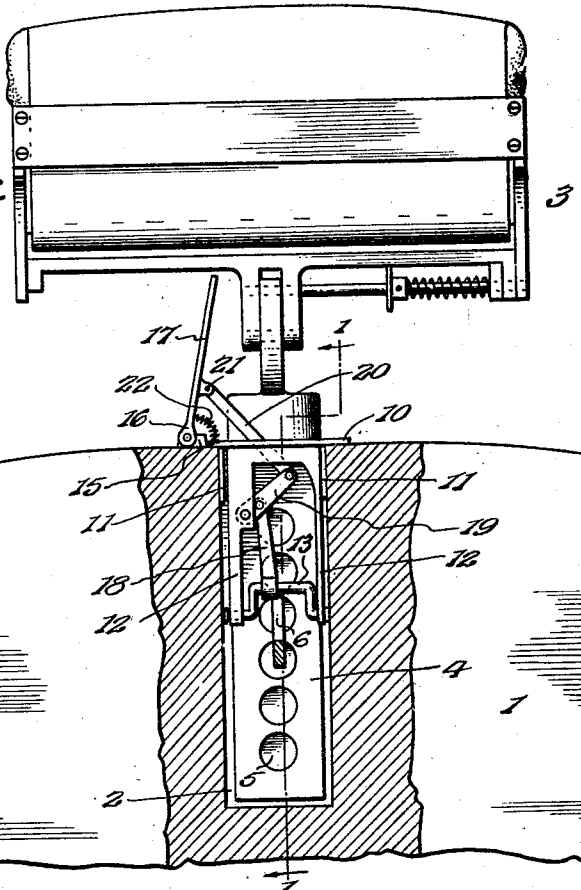
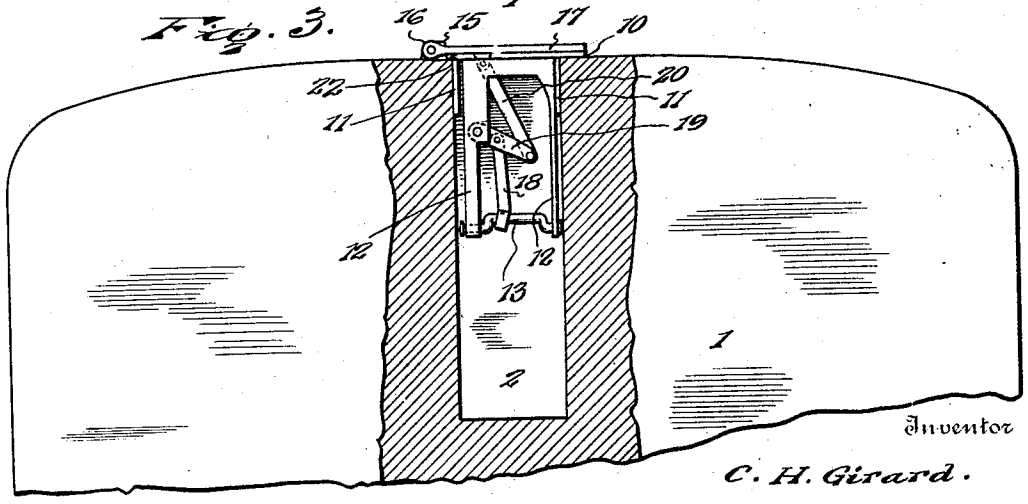


Fig. 3.



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UNITED STATES PATENT OFFICE

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ATTACHMENT FOR BARBERS' CHAIRS

Application filed June 14, 1928, Serial No. 285,494. Renewed June 27, 1930.

Barbers' chairs as now generally constructed are equipped with a head rest which includes a shank insertable in a recess or chamber provided therefor in the back of the chair, the head rest being used in shaving a customer and being vertically adjustable in the chair back. The upper end of this shank-receiving chamber or recess constitutes an open slot, and it has been found that, when the head rest is removed, as it is when a customer is to have his hair trimmed, some of the severed hair ends pass through the slot and collect in the recess or chamber and eventually will fill or choke the same so that the head rest cannot be again inserted without difficulty. This result necessitates the cleaning out of the chamber by the use of a wire or other tool, and the object of the present invention is to overcome this difficulty and provide an inexpensive and simple attachment whereby the slot will be closed when the head rest is removed so that access of hair or other matter to the slot will be prevented. The invention also includes means whereby the device will be out of the way when the head rest is in use but will be automatically caused to cover the slot when the head rest is removed. One embodiment of the invention is illustrated in the accompanying drawings, and the invention resides in certain novel features which will be hereinafter first fully described and then particularly defined in the appended claims.

In the drawings:

Figure 1 is a sectional elevation of a portion of a barber's chair having the attachment applied thereto;

Fig. 2 is a section on the line 2—2 of Fig. 1, the line 1—1 in Fig. 2 indicating the plane of the section shown in Fig. 1;

Fig. 3 is a view similar to Fig. 2 with the head rest removed;

Fig. 4 is a detail perspective view of the attachment, and

Fig. 5 is a detail section on the line 5—5 of Fig. 4.

The reference numeral 1 indicates a portion of the chair back having a vertically extending recess or chamber 2 in its upper portion which opens through the top edge of the back, as shown. 3 designates the head rest which is of the usual or any approved form and is generally pivotally adjustably connected to the upper end of a shank 4 which is insertable in the recess or chamber 2 and provided in its rear side with a plurality of recesses or ratchet faces 5 adapted to be engaged by a pawl 6 whereby the head rest may be adjusted vertically and supported in its set position. The pawl 6 is pivotally mounted within the chair back between its ends, as indicated at 7, and at its lower end is equipped with a push button 8 whereby it may be released from the shank as desired and may be held out of the path of the shank when the head rest is being inserted. An expansion spring 9 normally projects the pawl forwardly into position to engage the shank, as will be understood upon reference to Fig. 1.

Ordinarily, a slotted cap plate is secured upon the upper edge of the chair back to protect the wooden portions of the latter from chipping by contact with the shank of the head rest and also to properly guide the head rest when it is being inserted, but when my attachment is applied this cap plate is removed and, therefore, does not appear in the accompanying drawings. The attachment includes a base plate 10 which rests directly upon the upper edge of the chair back in the same position that the cap plate mentioned ordinarily occupies. As shown most clearly in Fig. 4, this base plate is an open rectangular frame having wings 11 depending from the opposite end walls of its central opening to engage the walls of the recess 2, as most clearly appears in Figs. 2 and 3, and these wings may be resilient so as to closely frictionally engage the walls of the chamber and thereby aid in retaining the base plate in position. At the rear side edge of the central opening in the base plate 10, a bearing frame depends therefrom, which frame consists essentially of a pair of hangers or legs 12 adapted to bear against the rear wall of the recess or chamber 2 and having their lower ends properly formed to provide bearings for a crank 13 which extends between the legs or hangers, as shown and as will be understood. The legs or hangers 12 may be rein-

forced if desired by a bridging web 14, as shown clearly in Fig. 4, and the entire structure may be stamped from a sheet metal blank. At one end of the base plate 10 are upturned lugs or ears 15 to which are pivotally attached corresponding lugs or ears 16 at the corners of a cover 17 which is of proper form and dimensions to extend entirely over the central opening of the base plate 10 and the upper end of the chamber 2 when it is lowered, as shown in Fig. 3, and to lie at the side of the upper end of the shank of the head rest when raised, as shown in Figs. 1 and 2. Mounted upon the crank 13 to be actuated thereby is a pitman 18 which rises therefrom and has its upper end pivoted to a crank 19 which is pivoted at one end to the adjacent leg or hanger 12 and is disposed substantially parallel with the rear wall of the chamber 2, as shown and as will be understood. The free end of this crank 19 has pivoted thereto a link 20 which extends upwardly through the recess 2 and through the upper end of the same and the central opening of the base plate 10 to have its upper end pivotally attached in any convenient manner to the under side of the cover 17, as shown at 21. A retractile spring 22 is attached to the adjacent portions of the base plate 10 and the cover 17 and tends to hold the cover in its lowered position.

To remove the head rest, it is necessary merely to lift upwardly on the same, whereupon the shank 4 will ride past the end of the pawl 6 in an obvious manner. When the lower end of the shank clears the end of the pawl, the spring 9 will swing the pawl forwardly, and the chair back may be provided with a recess 23 to accommodate the end of the pawl and insure ample movement of the same to permit the proper operation of the cover attachment. It will be noted that the cover, when raised, does not extend in a true vertical plane but is tilted slightly toward the pivotal connection of the head rest and the head rest shank. When the pawl 6, therefore, swings forwardly as just described, the weight of the cover, the crank 13 and the parts connecting the same will swing the crank forwardly and cause the cover to move downwardly to extend entirely over the opening in the chair back, as shown in Fig. 3, and this movement is accelerated by the provision of the spring 22. When the head rest is to be again inserted, the push button 8 is pressed inwardly and the upper end of the pawl will be thereby swung rearwardly, and this movement will be imparted to the crank 13 which is in constant contact with the upper end of the pawl. The upward movement of the crank 13 will, of course, be transmitted through the pitman 18 to the crank 19 and to and through the link 20 to raise the cover to the position shown in Figs. 1, 2 and 4, whereupon the head rest may be replaced and the chair thereby arranged for its use in shaving a customer.

It will be noted that all the operating parts, except the extreme upper portion of the link 20, are housed within the chair back and are thereby protected against damage from chance blows. The attachment is compact, simple and easily manipulated and may be very readily applied to any barber's chair. When the head rest is removed, the cover automatically assumes its position across the upper end of the recess or chamber 2 in the chair back and thereby excludes the entrance of all foreign matter to the recess and when the head rest is in place, the cover assumes a position below the body of the head rest and at the side of the shank where it is out of the way and will not interfere with the movements of the barber nor affect the adjustment of the head rest or its support.

Having thus described the invention, I claim:

1. A device for attachment to barbers' chairs which are constructed with a chamber to receive a head rest shank, said attachment comprising a cover to extend over the chamber in the chair, and means within said chamber operable from the back of the chair for raising the cover when the head rest shank is to be inserted in the chamber.

2. An attachment for barbers' chairs which are constructed with a vertically disposed chamber to receive a head rest shank, said attachment comprising a base plate to rest upon the chair back and elements depending from said base plate to fit within the chamber in the chair back, a cover pivotally mounted upon the base plate, and means mounted upon said depending elements for raising the cover when the head rest is in use and lowering the cover to extend over the chamber when the head rest is removed.

3. In combination with a chair back having a head rest receiving chamber in its upper portion, of a cover pivotally mounted at the top of the chair back and at one side of said chamber, a crank mounted within the chamber and normally extending forwardly therein, operative connections between said crank and the cover, and means mounted within the chamber and operable from the rear of the chair back to raise said crank for opening the cover when the head rest is to be inserted and permitting the crank to swing forward and lower the cover when the head rest is removed.

4. In combination with a barber's chair having a head rest receiving chamber in the upper portion of its back, a cover mounted upon the chair back at one side of said chamber, a crank mounted on the rear wall of said chamber and extending forwardly therefrom, operative connections between said crank and the cover, and a pawl mounted in the chamber below said crank and having its upper end

constantly in contact with the crank and adapted to engage and support an inserted head rest, the lower end of the pawl being provided with means whereby it may be operated from the rear of the chair back, and means tending constantly to swing the crank and the upper end of the pawl forwardly whereby the cover will be moved to closed position when the head rest is withdrawn.

5. In combination with a barber's chair having a head rest receiving chamber in the upper portion of its back, of a frame insertable in the upper end of said chamber, a cover pivotally mounted on said frame in position to extend across the upper end of said chamber, a crank mounted on said frame, a second crank mounted on the frame above the first-mentioned crank to move in a plane at an angle to the plane of movement of the lower crank, a pitman extending between and connected with the two cranks, a link extending between and connecting the upper crank with the cover, and means for rocking the first-mentioned crank whereby to raise or lower the cover.

6. An attachment for a barber's chair which is equipped with a head rest removably fitted in a chamber in the chair back, said attachment including a frame engageable in the chamber in the chair back, a cover at the upper end of the frame, and means on the frame within the chamber to close the cover over the chamber when the head rest is removed and to limit the upward movement of the cover and maintain the cover raised beside the shank of the head rest when the latter is in place.

In testimony whereof I affix my signature.

CELESTINE H. GIRARD. [L. S.]