R. M. HAMMOND.

BARBER CHAIR ATTACHMENT.

APPLICATION FILED APR. 21, 1915.

1,177,862.

Patented Apr. 4, 1916.

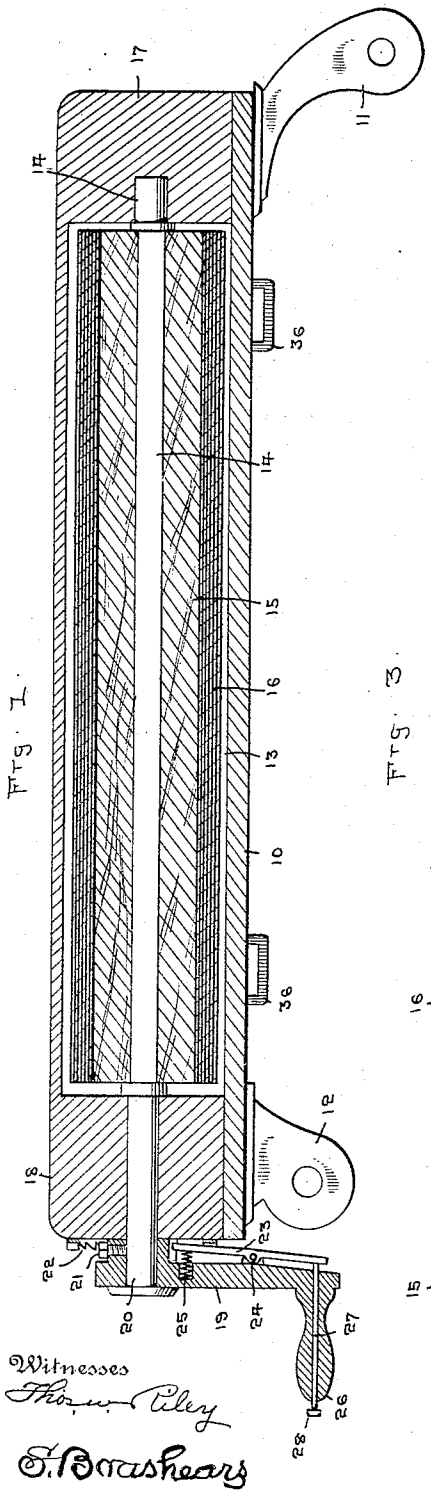


Fig. 1.

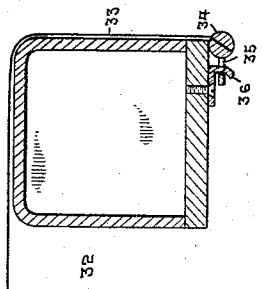


Fig. 3.

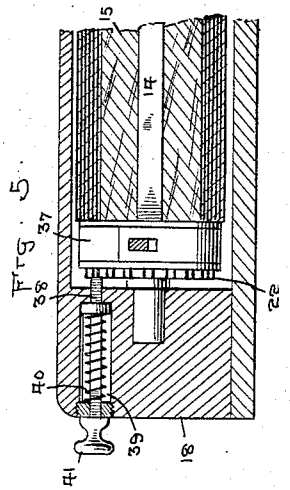


Fig. 5.

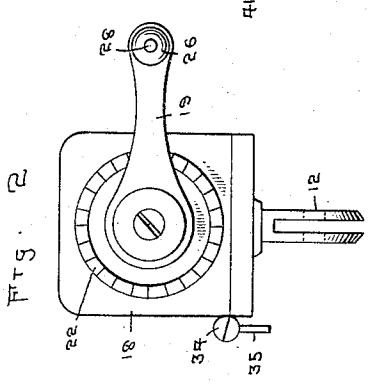


Fig. 2.

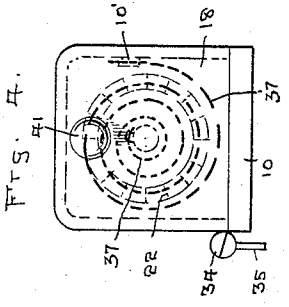


Fig. 4.

Witnesses

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BARBER-CHAIR ATTACHMENT.

1,177,862. Specification of Letters Patent. Patented Apr. 4, 1916.

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To all whom it may concern:

Be it known that I, ROBERT M. HAMMOND, a citizen of the United States, residing at Charlotte, in the county of Mecklenburg and State of North Carolina, have invented certain new and useful Improvements in Barber-Chair Attachments; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention is in the nature of a supplementary seat for arm chairs and while it is particularly adapted for attachment to barbers' and dentists' chairs, it is also adaptable to any chairs having arms of sufficient strength to support the occupant of the supplementary seat.

The principal object of the invention is to provide a supplementary seat to be suspended from the arms of a barber's or dentist's chair having improved means for adjusting the seat into and out of operative position.

A further object of the invention is to provide improved means for disposing of the supplementary seat when not in use.

A further object of the invention is to provide a supplementary seat of the character specified composed of flexible material with improved means for stretching the same from one arm to the other and for winding the same up into one of the arms when not in use.

With these objects in view, the invention consists in the improved construction, arrangement and combination of the parts of a supplementary seat of the character specified which will be hereinafter fully described and afterward specifically claimed.

In order that the construction and operation thereof may be readily comprehended I have illustrated approved embodiments of my invention in the accompanying drawings and will now proceed to fully describe the construction and operation thereof with particular reference to said drawings, in which,

Figure 1 represents a sectional view taken on a longitudinal vertical plane cutting through the arm of a chair, Fig. 2, an end elevation of the same, Fig. 3, a sectional view on a transverse vertical plane cutting through both arms of a chair, showing the seat in operative position thereon, Fig. 4, an end elevation of a slightly modified construction, some of the interior parts being shown in dotted lines, and Fig. 5, a sectional view through part of an arm as shown in Fig. 4, taken on a longitudinal vertical plane, parts being shown in elevation.

Like reference characters indicate the same parts wherever they appear in a plurality of the figures of the drawings.

Referring specifically to the drawings, 10 indicates an arm of a chair which, for the purposes of my invention may be of either wood or metal and may be securable to the chair in any ordinary or suitable manner, ears 11 being shown in Fig. 1 for pivotal attachment, in a well known manner, to the back of a chair (not shown) and ears 12, in Figs. 1 and 2, at the forward end of the arm, adapted to be pivotally attached in a well known manner to the uprights usually found in such arm chairs. Within the arm 10 is a suitable chamber or recess 13 in which is contained the shaft 14 of a roller 15 adapted to receive the flexible supplementary seat 16 when wound thereupon and out of operation. The shaft 14 is journaled in the solid ends 17 and 18 of the arm and projects through and slightly beyond the forward end 18. A crank handle 19 is secured to the projecting journal 20 of the shaft 14 by any suitable means such, for instance, as a set-bolt 21.

A circular ratchet 22 is secured upon the forward end of the arm in position to be engaged by a pawl 23 pivoted at 24 to the crank handle 19 and normally pressed inward, into engagement with the teeth of the ratchet 22, by means of a spring 25. A hand hold 26 of the crank handle 19 is longitudinally perforated to receive a pin 27 which has a knob 28 on its outer end and bears at its inner end upon the outer end of the pawl 23, the spring 25, pressing the inner end of the pawl into contact with the teeth of the ratchet, also pressing the outer end of the pawl outward against the inner end of the pin 27.

The flexible supplementary seat 16, which may be of leather, canvas or any other suitable material, is secured upon the roller 15 and extends through the slot 29, Fig. 3, in the outer face of the arm 10, from whence it is carried upward as at 30 and across as at 31 upon a level with the tops of the arms 10 and 32, across the top of said arm 32 and downward upon the outside thereof at 33,

where its outer end may be securable in any desired manner. In the illustrated construction I have shown a rod 34 secured to the outer end of the flexible strip composing the supplementary seat, and provided with loops 35, adapted to engage over hooks 36 secured to the under surface of the arm 32.

The winding mechanism may be attached to, and operated from either end of the chair arm.

With the parts in the positions just described and shown in Fig. 3, the supplementary seat, as shown in the position 31 in Fig. 3, is ready to serve as a seat for a child at the height of the tops of the arms and will be held from unwinding from that position by means of the pawl 23. Should it be desired to lower the seat from this position, the knob 28 may be pressed, releasing the pawl from the ratchet, and the seat unwound to permit it to sag down to any desired extent between the two arms, beyond which position it will be prevented from unwinding by the automatic reëngagement of the pawl with the ratchet upon the release of the knob 28. When not longer desired for use, the loops 35 are disengaged from the hooks 36 and the crank handle rotated in a direction to wind the flexible supplementary seat upon the roll. During this winding the pawl may be kept disengaged from the ratchet by pressing the knob 28 inward but this is not necessary, as the pawl, during the rewinding, will slide over the teeth and automatically engage the last one passed when the flexible seat is entirely wound up.

In Figs. 4 and 5 I have shown a modified arrangement in which the winding handle is dispensed with and a rewinding spring 37 mounted upon the shaft 14 with one end secured to the roller 15 and the other end to the arm 10, said spring being wound in a direction to normally wind up the flexible seat on the roller. The same ratchet 22 is provided on the end of the roller but the pawl is of slightly different construction comprising its main body 38 slidably mounted in a recess 39 in the head 18 of the arm and normally pressed into engagement with the ratchet teeth by means of a spring 40, a knob 41 being provided on the outer end of the pawl to permit of its withdrawal out of engagement with the teeth of the ratchet, against the action of the spring 40.

In the construction of Figs. 4 and 5 the rewinding is automatically done by the spring 37 instead of being manually done by the handle 19, all of the other parts acting in the same manner as in the construction of Figs. 1, 2 and 3.

From the foregoing description, the construction and operation of my invention will be readily understood but it will be obvious to those skilled in the art to which the invention appertains, that slight changes and variations from the specific constructions set forth may be made without departing from the spirit and scope of my invention.

Having thus fully described my invention, what I claim as new and desire to secure by Letters Patent of the United States is:—

1. The combination of the two arms of an arm chair one of which is provided with a cavity and a longitudinal slot leading therefrom, the other arm being provided with hooks, a roller journaled in the cavity of the arm, a ratchet on the outer end of the roller, a flexible strip secured to the roller and projecting through the slot, means on the outer end of the strip for engaging the hooks, means for winding the strip upon the roller, and a pawl for engaging the ratchet to prevent the unwinding of the strip.

2. The combination of the two arms of an arm chair one of which is provided with a cavity and a longitudinal slot leading therefrom, the other arm being provided with hooks, a roller journaled in the cavity of the arm, a ratchet on the outer end of the roller, a flexible strip secured to the roller and projecting through the slot, loops on the outer end of the strip for engaging the hooks, a spring for automatically winding the flexible strip upon the roller, and a pawl for preventing the accidental unwinding of the strip.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ROBERT M. HAMMOND.

Witnesses:
FRANK GILREATH,
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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."