C. E. YOHE.

HEAD REST.

APPLICATION FILED MAY 15, 1913.

1,196,413. **Patented Aug. 29, 1916.**

Fig. 1

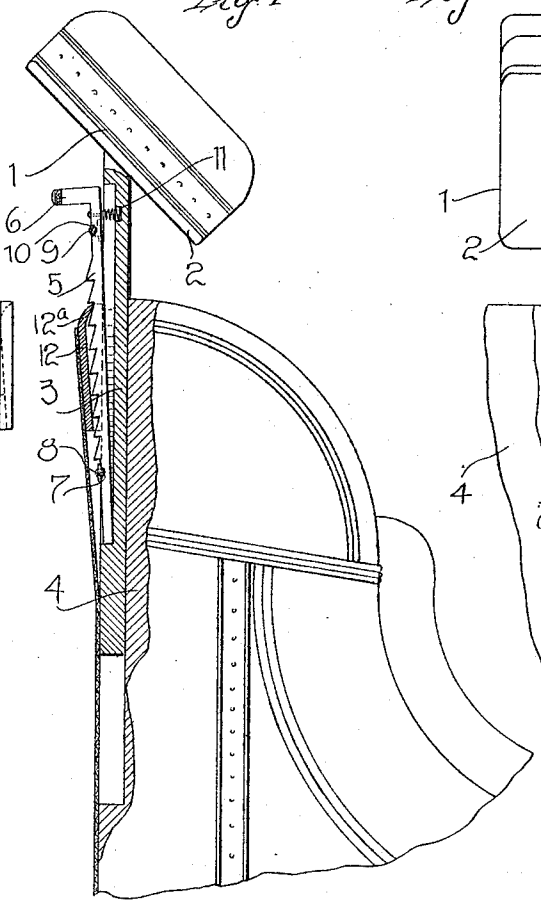


Fig. 2

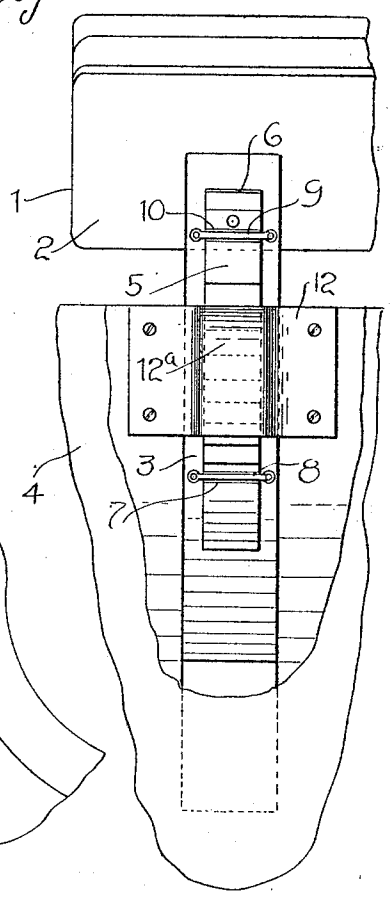


Fig. 3

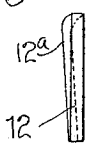
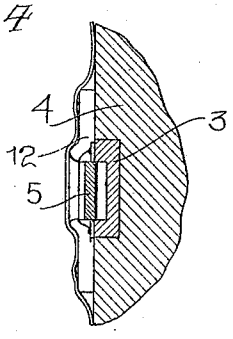


Fig. 4



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HEAD-REST.

1,196,413. Specification of Letters Patent. Patented Aug. 29, 1916.

Application filed May 15, 1913. Serial No. 767,839.

To all whom it may concern:

Be it known that I, CHARLES E. YOHE, a citizen of the United States, residing at Harrisburg, in the county of Dauphin and State of Pennsylvania, have invented certain new and useful Improvements in Head-Rests of which the following is a specification.

This invention comprehends certain new and useful improvements in head rests for chairs and relates particularly to head rests for barbers' chairs, the invention having for its primary object a simple and efficient construction of device, whereby there will be no depending and rearwardly extending projections at the rear side of the chair back which are so liable to tear the barber's pockets or watch chain and otherwise cause inconvenience.

The invention also has for its object a simple, durable and efficient construction of device of this character which may be easily adapted for use with any type of chair in which the head rest is secured to a flat wooden stem, and the parts of which will be so formed that they can be easily and cheaply manufactured and readily assembled and not liable to get out of order. And the invention also aims to generally improve devices of this class so as to render them more useful and commercially desirable.

With these and other objects in view, as will more fully appear as the description proceeds, the invention consists in certain constructions, arrangements and combinations of the parts that I shall hereinafter fully describe and claim.

For a full understanding of the invention, reference is to be had to the following description and accompanying drawing, in which—

Figure 1 is a side elevation of a portion of a barber's chair illustrating my invention applied thereto, parts being shown in section to better illustrate the construction. Fig. 2 is a rear view partly broken out. Fig. 3 is a detail side edge view of the keeper plate which may be employed, and, Fig. 4 is a fragmentary horizontal section.

Corresponding and like parts are referred to in the following description and designated in the accompanying drawing by like reference characters.

Referring to the drawing, the numeral 1 designates a head rest for a barber's chair provided with the usual base 2 and stem 3 projecting downwardly therefrom, the stem being in the form of a flat bar of wood or other material or substance adapted to move up and down in a socket or chamber that is formed in the usual manner in the body portion 4 of chair.

5 designates a rack bar. This rack bar is formed with downwardly beveled teeth, as clearly illustrated in Fig. 1 and is provided at its upper end with a rearward extension 6 designed to serve as a finger piece for moving the rack bar forwardly or toward the rear face of the stem 3 to which the rack bar is secured. The rack bar 5 is formed near its lower end with a transversely extending groove or recess 7, across which a supporting strap 8 of metal or the like extends, said strap being formed at its ends with ears which are secured by screws or similar fastening devices to the rear face of the stem 3. By this construction and arrangement of parts, the rack bar 5 is permitted to have a limited swinging or pivotal movement about its lower end as an axis, and this movement is preferably limited in a rearward direction by means of a retaining strap 9 which extends across the rack bar near the upper end thereof and preferably through a groove or recess 10 formed in said bar. An expansion spring 11 is seated in a socket formed in the rear face of the stem 3 and extends around a nipple formed on the relatively forward side of the rack bar, the tension of said spring being exerted against the bar to move it outwardly at its upper end away from the stem of the head rest. A keeper plate 12 is secured by screws or similar fastening devices to the rear of the body portion or back of the chair at the inner or upper edge thereof, said keeper plate being formed with a lug 12^a projecting from its upper edge and forming the keeper proper designed for engagement with the teeth of the rack bar 5.

From the foregoing description in connection with the accompanying drawing, it is believed that the operation of my improved head rest for barbers' chairs will be apparent. Owing to the inclination or bevel of the teeth of the rack bar 5, it is obvious that the head rest may be moved upwardly freely and brought to rest and automatically held at any point by the engagement of the teeth of said rack bar with the keeper or lug 12^a, and that the formation and arrangement of the parts will readily permit the entire head

rest with its rack bar and component parts to be entirely removed from the body of the chair. In the operative position of the device, it will be seen that there are no downwardly and rearwardly projecting latch bars or similar devices which are so liable to catch in the barber's pockets and tear the same or break his watch chain, the entire device, according to the principles and improvements of my invention, being positioned practically above the upper edge of the chair body or back and entirely out of the way. In order to lower the head rest, it is only necessary to push forwardly upon the finger piece 6 so as to disengage the teeth of the rack bar from the lug or keeper 12ª, whereupon the head rest may be easily lowered.

It will be seen by reference to Figs. 1 and 2 that the wooden stem 3 of the head rest is formed with a longitudinally disposed groove in its rear face to accommodate the rack bar 5, and that the lower end of the rack bar rests upon the bottom of the groove, whereby the rack bar will be permitted to rock about its lower end as a fulcrum while at the same time the supporting strap 8 will have no downward strain imposed upon it at all in view of the fact that the lower end of the rack bar rests directly upon the bottom of the groove.

It will be seen that I have provided a very simple and efficient construction of device of this character which is composed of comparatively few parts that can be readily attached to the ordinary wooden stem of any conventional form of head rest, without the use of special tools, but with the use merely of some means to form a groove in the rear face of the stem and a screw driver to attach the supporting strap 8 and retaining strap 9, and the keeper plate 12. Thus my device is composed of only four simple parts, exclusive of the spring 11, it being possible to quickly apply these parts in position, and, as above stated, without the use of special tools.

What I claim is:—

The combination with a chair provided with a longitudinally extending chamber and a head rest having a wooden stem mounted to move in said chamber, said stem being formed on its rear face with a longitudinal groove, of a bar applied to said rear face and extending longitudinally thereof, the lower end of the bar resting on the bottom wall of the groove, said bar being provided near its lower and upper ends with recesses, retaining straps receivable in said recesses, said straps being both formed with apertured ears designed to receive fastening devices whereby they may be secured directly to the wooden stem, the engagement between the lower end of the rack bar and the bottom wall of the groove, in connection with said straps permitting the bar to rock upon its lower end as a fulcrum without any downward strain upon said straps, an expansion spring interposed between the upper end of the bar and the stem, and a keeper plate provided with means for attachment to the body portion of the chair and extending across the chamber, the bar being formed on its rear face, between the upper and lower grooves with rack teeth, for engagement by said keeper plate.

In testimony whereof I affix my signature in presence of two witnesses.

CHARLES E. YOHE.

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