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SANITARY HEAD REST.
APPLICATION FILED SEPT. 25, 1908.

Patented Mar. 1, 1910.

2 SHEETS—SHEET 1.

950,854.

Fig. 1.

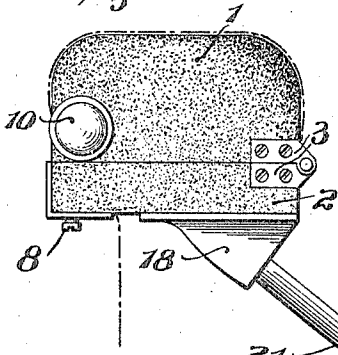


Fig. 6.

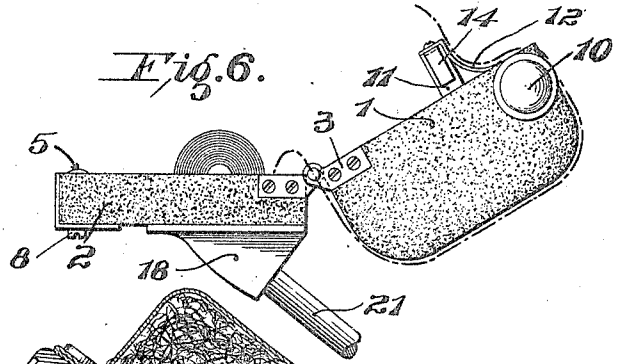


Fig. 2.

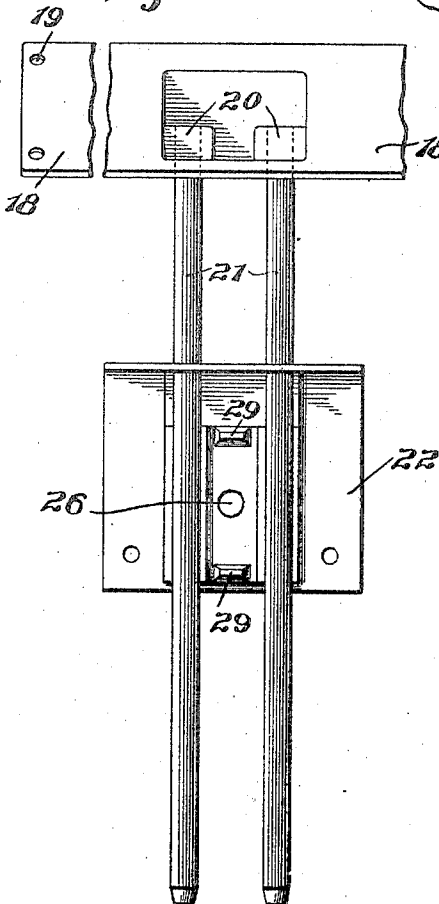
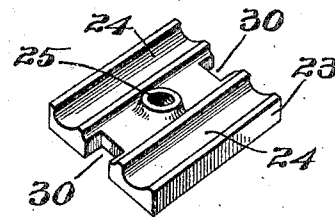


Fig. 3.



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2 SHEETS—SHEET 2.

Fig. 4.

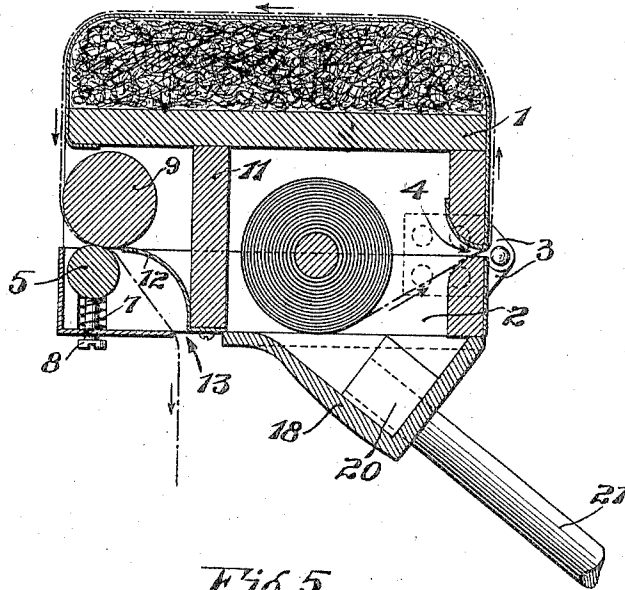
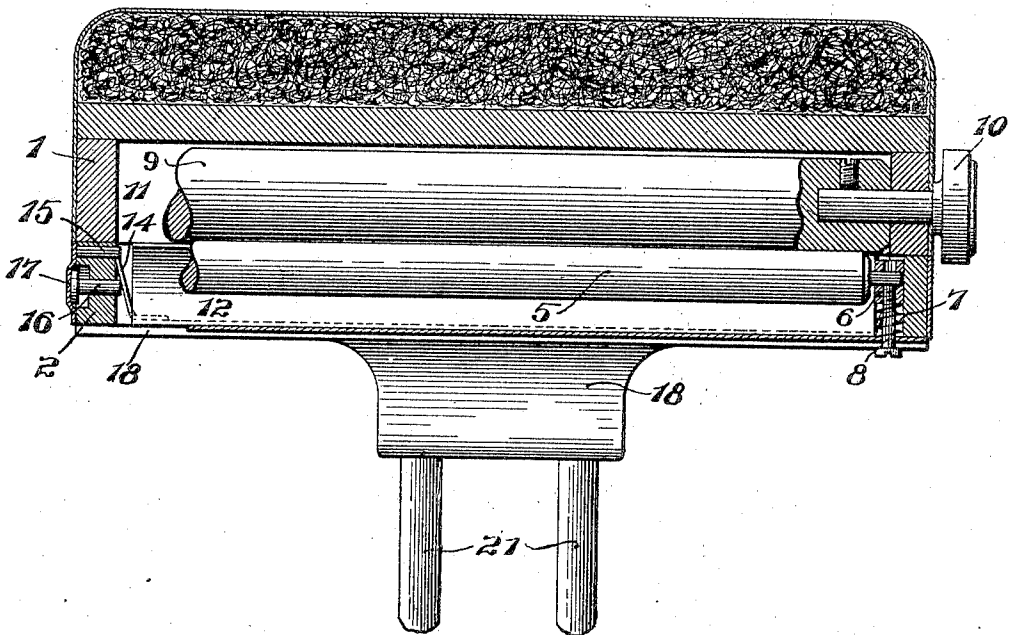


Fig. 5.



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UNITED STATES PATENT OFFICE.

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SANITARY HEAD-REST.

950,854.

Specification of Letters Patent.

Patented Mar. 1, 1910.

Application filed September 25, 1908. Serial No. 454,699.

To all whom it may concern:

Be it known that I, ERNEST E. KOKEN, a citizen of the United States, and a resident of the city of St. Louis and State of Missouri, have invented a certain new and useful Improvement in Sanitary Head-Rests, of which the following is a specification.

My invention relates to head rests, particularly for barbers' chairs, and has for its principal object to provide a temporary covering therefor and means for exposing a fresh portion of the covering for each occupant of the chair; and also to facilitate the positioning and manipulation of the covering strip.

It consists in the construction and arrangement of parts hereinafter described and claimed.

In the accompanying drawing, which forms part of this specification, and wherein like symbols refer to like parts wherever they occur, Figure 1 is a side elevation of my device as applied to a barber chair, the upper back portion of which is shown in section; Fig. 2 is a front view of the supporting member of my device, with the inner clamping plate thereof removed; Fig. 3 is a detail view of said inner clamping member; Fig. 4 is a vertical cross section of my device; Fig. 5 is a vertical longitudinal section thereof; and, Fig. 6 is an end view of the head rest in open position.

The body portion of my device is a hollow casing or housing consisting of two sections 1, 2, hinged together on an axis that is preferably above the top surface of the lower section 2 and forward of the front thereof. For this purpose, the hinges 3 are preferably located on the ends of the respective sections, and the sections are so arranged that when the casing is closed, a slight space 4 intervenes between the front members of the two sections, thus constituting in effect a long slot in the front of the casing which is not obstructed by the hinges. The inner top edge of the front member of the lower section is preferably beveled or rounded so as to reduce the friction offered by it to the movement of the covering strip A. It is noted that by reason of the location of the axis of the hinges forward of the casing, the opening of the hinges increases the space between the front members of the two sections and thus increases the facility with which the strip may be passed therethrough.

Located inside of the lower section of the casing near the rear edge thereof is a roller 5 whose journal blocks 6 are slidably mounted in guideways provided therefor at or near the ends of said lower section. As illustrated in the accompanying drawing, the journal blocks are resiliently supported by springs 7 whose upper ends bear against the journal blocks and whose lower ends bear against the bottom of the casing. Extending upwardly through said lower member and inside of the coiled supporting springs are threaded bolts 8 which fit in threaded holes provided therefor in the respective journal blocks. These bolts thus constitute a means for limiting the upward movement of the roller, as the springs cannot lift the roller beyond the point at which the heads of the bolts abut against the bottom of the lower member. By turning the bolts, however, the uppermost position of the roller may be varied as desired.

Mounted on the upper section of the casing in position to cooperate with the tension roller 5 on the lower section is a feed roller 9 whose spindle extends through the end of the upper section and is provided with a knurled cap or knob 10 for turning it by hand. Preferably, the rear of the upper section is open so as to expose the feed roller 9, which projects through said opening far enough to make the strip of paper clear the back surface of the casing. The end members of the two sections of the casing abut against each other in the closed position of the casing; and the tension roller is so adjusted that the upper feed roller 9 will bear against it just before the upper section of the casing reaches its closed position; that is to say, the rollers are so positioned with reference to each other that the tension springs will resiliently press the lower roller against the upper. The upper section of the casing is provided with a guide or deflector plate 12 which is preferably mounted on the lower end of a partition 11 which extends longitudinally of the casing. This deflector plate extends rearwardly and upwardly in a concave curve and terminates slightly above and forward of the line of contact between the rollers and thus serves to strip the paper from the roll and guide it downwardly to a slot 13 provided therefor in the bottom of the lower section. Preferably, this slot 13 is a wide one and a considerable portion

thereof is closed by the end of the partition 11.

The two sections are locked together by any suitable means. For instance, as illustrated in the drawing, the partition has flat springs 14 extending upwardly and outwardly from each end thereof in position to bear against studs 15 provided therefor on the inside of the lower section, said springs being of such length that the ends thereof just clear the studs in the closed position of the casing sections. The lower section of the casing has pins 16 extending there-through opposite the respective flat springs 14. Each of the holes in which the pins are mounted is enlarged or counterbored at its outer end to permit the head of the pin to slide therein. The head of the pin lies below the ornamental covering 17 of the section and is normally pressed outwardly against said covering by the corresponding spring. By this arrangement, the downward movement of the upper section causes the springs to ride over the fixed studs on the lower section and to snap outwardly beneath them as soon as the ends of the springs clear said studs. This action locks the sections together. To unlock them, it is only necessary to press the headed studs inwardly until the springs are disengaged from the studs, whereupon the springs of the tension roller press the upper section upwardly far enough to prevent the reengagement of the springs with said studs.

The lower section of the casing rests upon a seat 18 which is preferably provided with screw holes 19 for screwing them together. The marginal portion of this seat conforms to the bottom of the casing but the middle portion is depressed forming an angular chamber. The front portion of this chamber is provided with perforated lugs 20 through which two parallel rods or bars 21 extend downwardly and forwardly through guide holes provided therefor in the top flange of the body member 22 of a clamp that is mounted on the back of the barber chair B. The body portion of this angle piece has elongated grooves on its inner surface in alinement with said guide holes. The second member 23 of the clamp is a plate or block which has grooves 24 in its inner surface to receive said rods or bars 21, and it also has a threaded opening 25 in its middle portion in alinement with a hole 26 in the body member. Through this last mentioned hole 26 extends a clamping bolt 27 whose outer end is provided with wings 28 or other suitable means for turning it. In order to hold the second member 23 of the clamp in proper position relative to the body member, when the clamping bolt is removed, lugs 29 are formed on the inner surface of the body member and notches 30 are formed in said second member in position to

engage with said lugs. By this arrangement, the head rest may be raised or lowered and clamped in any desired position.

The operation of the device is as follows: A roll of paper is placed in the front compartment of the casing with the end of the strip extending upwardly and forwardly from the bottom of the roll through the gap between the front members of the two sections and thence over and around the top of the head rest and thence downwardly between the rollers and out through the slot in the bottom of the lower section, as indicated by the broken line and arrows in Fig. 4. When the strip is in this position, the turning of the knob fixed to the feed rollers causes the rotation of said roller and the forward feeding of the strip down through the slot in the bottom of the casing, in the direction indicated by the arrows. When the strip has been fed to the desired extent, the projecting end thereof is torn off over the edge of the slot which serves as a straight edge or ruler for the purpose. A fresh portion of the strip is thus stretched taut over the head rest, and as the end of the strip as well as the supply roll thereof are concealed, the head rest presents a neat appearance. When it is desired to replenish the paper, the casing is opened by turning the upper section thereof on its hinges and placing a fresh supply roll in the lower section. On account of the axis of the hinges being located forward of the front of the casing, the opening of the hinges has the effect of widening the space or distance between the front members of the two sections of the casing, as well as to support the rollers on the respective sections. The end of the strip is, therefore, passed through this space while the upper section is wide enough open to provide a gap of suitable width between the front members of the casing. The end of the strip is passed between the two rollers before they are closed together.

Obviously, the construction hereinbefore described admits of considerable modification without departing from my invention, and I do not wish to be restricted to the particular construction shown.

What I claim as my invention and desire to secure by Letters Patent is:

1. A head rest comprising two hollow sections hinged together at the front to form a casing, said sections being spaced apart at the front and back to form elongated openings and the hinges being located at the ends of the casing to avoid obstructing the front opening, substantially as and for the purpose specified.

2. A head rest comprising two hollow sections hinged together at the front to form a casing, said sections being spaced apart at the front and back to form elongated openings and the hinges being located at

the ends of the casing to avoid obstructing the front opening, and a pair of manually operable feed rollers mounted inside of said casing opposite the opening in the back thereof.

3. A head rest comprising two hollow sections hinged together at the front to form a casing, said sections being spaced apart at the front and back to form elongated openings and the hinges being located at the ends of the casing to avoid obstructing the front opening, and a pair of manually operable feed rollers mounted in the rear portion of said casing opposite the opening in the back thereof, one of said feed rollers being mounted on one of the casing sections and the other roller being mounted on the other section.

4. A head rest comprising two hollow sections separably connected together to form a casing, said sections being spaced apart at the front and rear thereof and the lower section having a slot in the back portion of its bottom, and a pair of manually operable cooperating feed rollers mounted on the respective sections in position to receive a strip through the spacing in the back of the casing and deliver it through said slot in the bottom.

5. A head rest comprising two sections separably connected together to form a hollow casing, said sections being spaced apart at the front and rear thereof and the lower section having a slot in its bottom, and a pair of manually operable cooperating feed rollers on the rear portion of the respective sections, one of said feed rollers being mounted on spring supports adapted to press it against the other roller and one of said feed rollers having a hand piece whereby a covering strip may be fed by said rollers from a roll inside of said casing through the space in the front thereof over said head rest and delivered through said slot in the bottom.

6. A head rest comprising a casing adapted to contain a roll of paper and consisting of separably connected sections spaced apart at the front thereof to form an unobstructed elongated opening adapted for the delivery of paper therethrough from said roll and spaced apart to form an unobstructed elongated opening at the back thereof arranged to permit the passage of the paper delivered through said first opening, and a pair of manually operable feed rollers mounted on the respective sections of said casing opposite said back opening, whereby said rollers are adapted to pull the paper over said head rest and deliver the used end thereof outside of the casing.

7. A head rest comprising a hollow casing consisting of two sections hinged together at their ends on an axis forward of the front

of the casing and above the bottom of the lower section and having the front and rear portions of said sections spaced apart, and a pair of cooperating feed rollers mounted on the rear part of the respective sections, one of said rollers being resiliently pressed against the other.

8. A head rest comprising a hollow casing consisting of two sections hinged together at the front by hinges mounted at the ends thereof and spaced apart at the front and back to form elongated openings, and a pair of manually operable feed rollers mounted inside of said casing, the lower section having studs in its ends and said upper section having upturned springs arranged to ride over and automatically engage said studs.

9. A head rest comprising two sections hinged together by hinges mounted at the ends thereof to form a hollow casing and spaced apart at their front and rear to form unobstructed elongated openings, one of said sections having studs in its ends and the other section having springs arranged to ride over and automatically engage said studs, and manually operable pins slidably mounted opposite the respective springs.

10. A head rest comprising two sections separably connected together to form a hollow casing and spaced apart at the front and rear thereof and the lower section having a slot in its bottom and a pair of cooperating feed rollers mounted inside of the casing in position to bear against each other opposite the rear opening of said casing and deliver the used portion of a covering strip through said bottom opening.

11. A head rest comprising two sections separably connected together to form a hollow casing adapted to receive an unmounted roll of paper, and spaced apart at the front thereof, and a pair of manually operable feed rollers mounted on the rear portion of the respective sections, the bottom of said casing having a slot whose margin constitutes a straight edge adapted for use in tearing off the end of the paper strip.

12. A head rest comprising two sections separably connected together to form a hollow casing and spaced apart at the front thereof to form an elongated unobstructed slot, and a pair of manually operable feed rollers mounted on the rear portion of the respective sections, the upper section having a guiding member in cooperative relation to the rollers.

Signed at St. Louis, Mo., this 22nd day of September, 1908.

ERNEST E. KOKEN.

Witnesses:

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JULIA B. MEGOWN.