

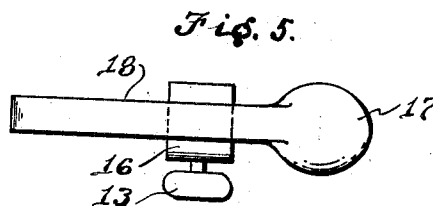
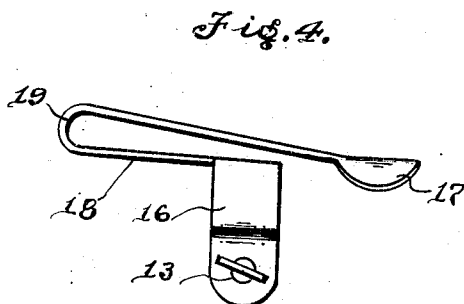
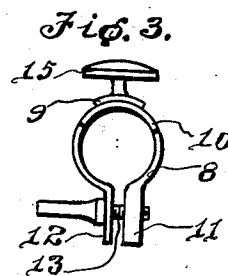
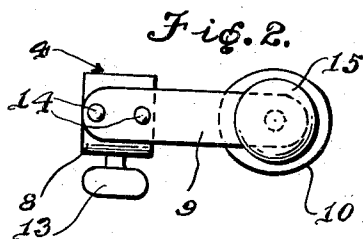
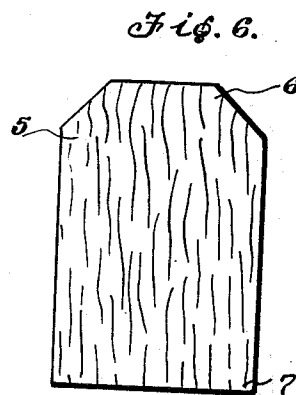
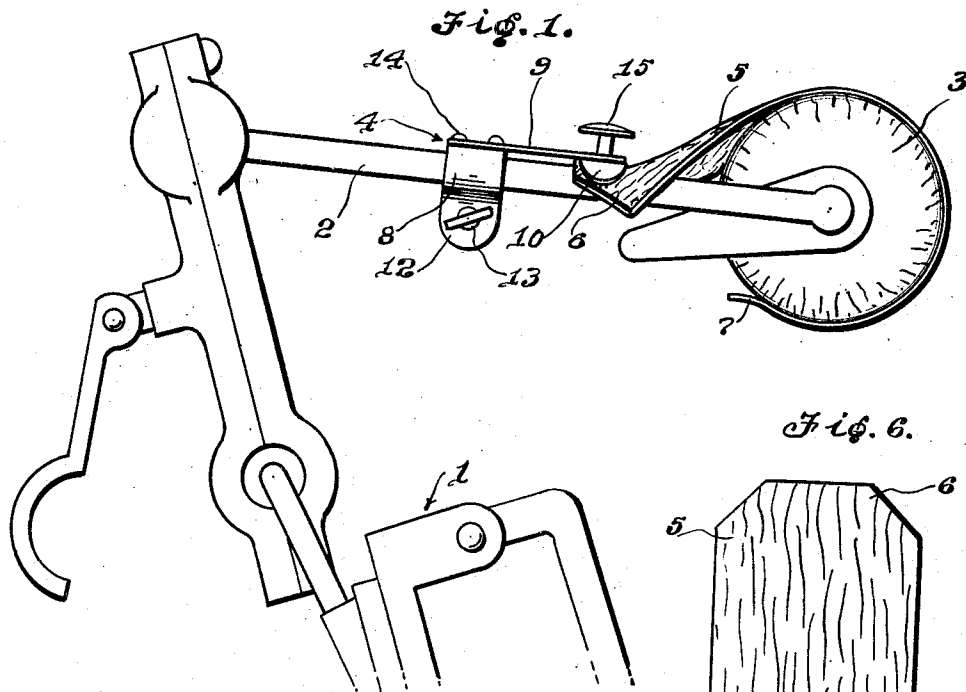
April 5, 1932.

J. S. MILLER

1,852,892

DENTAL CHAIR ATTACHMENT

Filed Aug. 16, 1930



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DENTAL CHAIR ATTACHMENT

Application filed August 16, 1930. Serial No. 475,698.

This invention relates to dental chairs and more particularly to an attachment for holding the paper towels which cover the head-rest of the chairs.

5 The principal object of the invention is to provide a device of this nature for holding a towel used for covering a head-rest which can easily be attached to a dental chair without any alteration of the chair.

10 Another object of the invention is to provide a device of this kind having means for resiliently gripping a paper towel used for covering a head-rest which can be attached to any make of dental chairs.

15 Other objects of the invention will appear as the disclosure progresses. The drawings are intended to merely indicate a possible embodiment of the invention. It is obvious that the actual needs of manufacture may necessitate certain mechanical changes. It is therefore not intended to limit the invention to the embodiment illustrated but rather to define such limits in the appended claim. For a more general understanding of the invention attention is called to the drawings. In these drawings like reference characters denote like parts throughout the specification.

30 Figure 1 is a view of a dental chair showing the device attached thereto.

Figure 2 is a top view of the device detached from the dental chair.

Figure 3 is an edge view thereof.

35 Figure 4 is a side view of a modified form of the invention.

Figure 5 is a top view thereof.

Figure 6 is a view of the towel.

Referring now to the drawings in detail, numeral 1 designates the dental chair and 2 the usual horizontal arm for supporting the head-rest 3. Fastened to the arm 2 is a clamp 4 for holding a paper towel 5 by the end 6. The body of the towel is adapted to cover the head-rest while the end 7 is adapted to curl underneath as shown in Figure 1 so as not to interfere with the patient's back.

50 The clamp 4 consists of a resilient split ring number 8 adapted to fit around the horizontal bar 2, a resilient arm 9 fastened to the top of the ring member 8, and a saddle

member 10 attached to the resilient arm 9 for gripping the end 6 of the towel around the arm 2. The split ring member is provided with two ears 11 and 12 for engagement with a screw 13 for tensioning the clamp around the arm 2. The ear 11 is thicker than the ear 12 and is threaded to fit the thread of the screw while the ear 12 is provided with a hole large enough to clear the screw. The resilient arm 9 is preferably a flat spring member and riveted to the ring 8 at the top by a pair of rivets 14. The saddle member 10 is curved to match the contour of the arm 2 and attached thereto is a button 15 for manually lifting the saddle member when it is desired to remove or insert a towel. The arm 9 is so tensioned that the saddle member 10 will always bear with a certain degree of pressure against the arm 2. It will thus be seen that the towel can easily be removed or replaced by simply lifting the button 15.

In Figures 4 and 5 is shown a modified form of the invention. In this form of clamp the split ring member 16 and the saddle member 17 are all made of one piece of material. The split ring member and the saddle member is the same as shown in Figure 1 but instead of a separate resilient arm, the arm 18 of the modified form of the invention is made integrally with the said ring and saddle members. The arm 18 extends to the left of the split ring in a horizontal plane and then makes a comparatively wide turn as at 19 and then slopes downwardly beyond the ring member. In other respects the action of the device is the same as in the preferred form of the invention.

It will thus be seen that I have provided a simple and efficient device for clamping a towel to a head-rest of a dental chair. The clamp can be attached to practically any make of dental chair without any alteration of either the clamp or chair.

Having described my invention, I claim:

95 In a clip of the class described, the combination of a split ring member, of a screw for drawing the ends of the split ring member together, a resilient arm associated with said split ring member, one portion of said arm extending laterally of said split ring member and 100

the other portion bent over the first mentioned portion and extending beyond the said split ring member, and a spoon-shaped saddle member at the end of the said second
5 mentioned portion of the resilient arm, said saddle member comprising a substantially circular disk curved downwardly in one plane.

10 In testimony whereof I affix my signature.
JAMES S. MILLER.

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