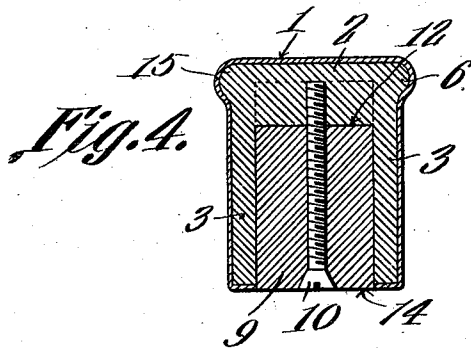


Patented Jan. 16, 1912.



Chenoweth & Co.
Attorneys

UNITED STATES PATENT OFFICE.

GEORGE WALLACE GRANT, OF BUCYRUS, OHIO.

DENTAL-CHAIR ARM.

1,014,702.

Specification of Letters Patent.

Patented Jan. 16, 1912.

Application filed October 10, 1911. Serial No. 653,887.

To all whom it may concern:

Be it known that I, GEORGE WALLACE GRANT, a citizen of the United States, residing at Bucyrus, in the county of Crawford and State of Ohio, have invented a new and useful Dental-Chair Arm, of which the following is a specification.

The device forming the subject-matter of this application, is a removable arm for barbers' chairs, dental chairs, and like structures where cleanliness is an object.

The invention aims to provide an arm for a chair, which arm may be maintained in cleanly and sanitary condition at all times, to provide an arm having a removable, reversible block, whereby the arm may be fitted upon the chairs, the arm-supporting elements of which are of different configurations, and to provide an arm for a chair, which arm shall comprise a cap having spaced lugs in its interior, so that a firm support may be provided for either side of an inserted block, one side of which is convexed, the other side thereof being plane.

With the foregoing and other objects in view, which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of invention herein disclosed can be made within the scope of what is claimed without departing from the spirit of the invention.

In the drawings,—Figure 1 is a perspective of a chair with the device of the present invention applied thereto; Fig. 2 is a bottom plan of the cap; Fig. 3 is a longitudinal section of the arm, showing the parts thereof assembled; and Fig. 4 is a section on the line 4—4 of Fig. 3.

In carrying out the invention there is provided as a primary element, a cap which is denoted generally by the numeral 1. The cap 1 comprises a top 2, side walls 3, and end walls 4. The side walls and the end walls are carried inwardly, as shown at 5, to define an outstanding bead 6, at the top of the cap 1. The bottom of the cap 1 is open, and the cap is preferably curved slightly, in a plane at right angles to the plane of the open bottom of the cap, this curvature appearing clearly in Fig. 2, and being denoted there by the numeral 7.

Formed integrally with the top 2, and

depending therefrom, are lugs 8, the lugs 8 being spaced from the end walls 4. The lugs 8 extend entirely across the interior of the cap 1, and they are connected with the side walls 3, the side walls 3 and the lugs 8 ordinarily being formed integrally.

Into the cap formed as above described, is inserted a block 9, ordinarily fashioned from wood. The end walls of the block 9 fit against the end walls 4 of the cap, and against the side walls 3 of the top, adjacent the open bottom of the cap. The block 9 fits against the lower end faces of the lugs 8, and is there retained by means of screws 10, or like securing elements, which, being passed through the block 9, enter the lugs 8. One side face of the block, denoted specifically by the numeral 12, is convexed, while the opposite face 14 is flat. The construction is such that either the face 12 or the face 14 may be disposed downwardly, and thus the arm may be secured upon supports of different configurations. Owing to the fact that the cap 1 is provided in its interior with depending lugs 8, a firm support is given for the block 9, when the curved face 12 is inwardly disposed, as shown in Fig. 3.

The entire outer surface of the cap 1 is coated with porcelain, as indicated at 15, and thus a thoroughly sanitary arm is provided.

In practical operation, the arm is assembled, as shown in Fig. 3, and placed upon the supporting portion of the chair, whereupon screws (not shown), may be passed through the supporting portion of the chair, to engage with the wooden block 9.

Owing to the fact that the lugs 8 are spaced apart from the end walls 4, and owing to the fact that these lugs are connected with the side walls 3, the lugs serve to reinforce the cap 1. The block 9 may be tightly bound against the lugs 8 by means of the screws 10, without danger of causing a fracture of the top 2 of the cap, the construction being such, moreover, that the lugs cannot readily become broken loose from the cap. Owing to the fact that the end walls 4 and the side walls 3 are dished outwardly, as shown at 5, the friction between the cap 1 and the block 9 is reduced to a minimum. However, owing to the fact that the block 9 is peripherally engaged by the cap 1, adjacent the lower, open end of the cap, the block is so positioned with respect to the

lugs 8 that the screw holes through the block 9 will be alined with the screw holes in the lugs 8.

Having thus described the invention, what is claimed is:—

1. A chair arm comprising a metal cap open at one side and curved at right angles to the plane of its open side, the cap being coated with porcelain upon its outer surface, there being lugs projecting inwardly from the top of the cap, the lugs being spaced from the end walls of the cap and being connected with the side walls of the cap; a block fitted into the open side of the cap and resting against the lugs; and screws passing through the block and entering the lugs; one face of the block being flat, and the other face of the block curved, whereby the block may be reversed in the cap, to fit upon supporting structures of different configurations.

2. A chair arm comprising a cap open at one side and provided in its interior with spaced lugs; and a block fitted in the open side of the cap, one face of the block being curved, and the other face of the block being flat, whereby the block may be reversed in the cap, to fit supporting structures of

different configurations; and securing elements passing through the block and engaging the lugs.

3. A chair arm comprising a cap open at one side; and a block fitting in the open side of the cap, one face of the block being flat, and another face of the block being curved, whereby the block may be made to fit upon supports of different configurations; and means for securing the block in the cap.

4. A chair arm comprising a cap open at one side and provided in its interior with spaced lugs; and a block insertible into the cap, one face of the block being plane, the other face of the block being convexed, the lugs constituting a multi-point support, adapted to engage the convexed face, to prevent relative movement between the block and the cap; and means for securing the block within the cap.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

GEORGE WALLACE GRANT.

Witnesses:

Mrs. G. W. GRANT,
B. J. HANBY.

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