

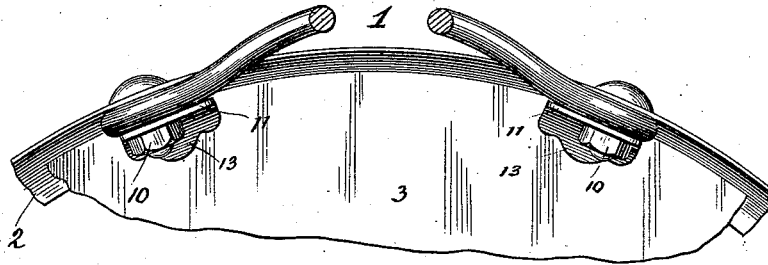
(No Model.)

T. H. COSTELLO.  
CHAIR.

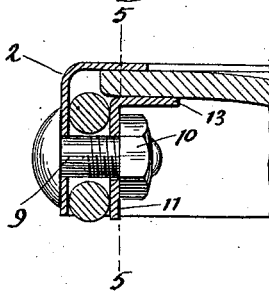
No. 522,652.

Patented July 10, 1894.

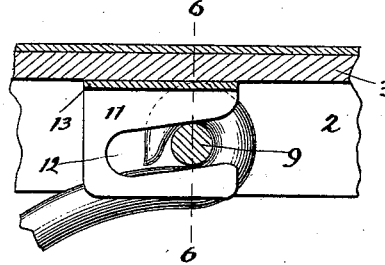
*Fig. 1.*



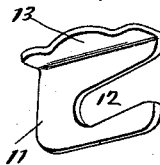
*Fig. 3.*



*Fig. 2.*



*Fig. 4.*



*Witnesses:*

*Julia M. Bristol*  
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# UNITED STATES PATENT OFFICE.

THOMAS H. COSTELLO, OF CHICAGO, ILLINOIS, ASSIGNOR TO THE A. H. ANDREWS & COMPANY, OF SAME PLACE.

## CHAIR.

SPECIFICATION forming part of Letters Patent No. 522,652, dated July 10, 1894.

Application filed May 31, 1892. Serial No. 435,096. (No model.)

*To all whom it may concern:*

Be it known that I, THOMAS H. COSTELLO, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Chairs, of which the following is a specification, reference being had to the accompanying drawings, in which—

Figure 1 is an enlarged detail, being an under side view of a portion of the seat frame, showing the method of attaching the wires which compose the legs, to the seat frame. Fig. 2 is an enlarged detail taken on the line 5—5 of Fig. 3, being an inside view of a portion of the seat frame, showing the bolt which secures the seat to the seat frame. Fig. 3 is a similar view, being a section on line 6—6 of Fig. 2. Fig. 4 is a perspective view of the seat-holding plate.

My invention relates to chairs, and particularly to metallic chairs, and is in some respects similar to the chair shown in Letters Patent No. 401,552, granted April 16, 1889, to A. M. Gjestvang.

The object of my invention is to improve the construction of the seat-holding frame and the devices for securing the seat to the seat-frame. I accomplish this object as hereinafter specified and as illustrated in the drawings.

That which I regard as new will be pointed out in the claims.

In the drawings,—1 indicates the chair, which is provided with a seat-frame 2 designed to support the seat 3.

The particular construction of the seat-holding frame will be hereinafter described.

The frame 2 is preferably circular in form and bent at right angles, as shown in Fig. 3, the upper ends of the wires which compose the legs of the chair being secured to the vertical portion of the frame 2. Instead of bending the frame to form two parts at right angles to each other, it may be made of two separate pieces secured together at right angles each other. I also prefer to round the angular portion of the frame 2, as shown in Fig. 3.

The upper ends of the wires which constitute the legs of the chair are held tightly

against the frame 2 by means of wedge plates 11, each of which is provided with a slot 12 adapted to fit over the bolts 9. By screwing the nuts 10 upon the bolts 9, the plates 11 are held tightly in contact with the upper ends of the wires, and the wires are thereby bound between the seat-frame and the plates 11, as shown in Fig. 3. The slots 12 of the plate 11 are inclined, as shown at Fig. 4, the object of which construction will be hereinafter set forth. Each of the plates 11 is also provided with a flange 13, at right angles to the main body of the plate, the object of which construction will also be set forth hereinafter.

The seat 3 is placed beneath the horizontal portion of the seat frame 2, and is tightly bound against such horizontal portion of the seat frame by the flanges 13 of the plates 11, said flanges being so placed that they will engage the under surface of the edge of the seat, as shown in Figs. 2 and 3. By inclining the slots 12 of the plates 11, the plates serve as wedges, and by forcing the plates upon the bolts 9, the flanges 13 may be wedged tightly against the under surface of the seat. The manner of binding the seat in place is clearly shown in Figs. 1, 2 and 3.

The seat 3 may be formed either of laminated wood or of any other suitable material, the only essential feature being that the seat be provided with a rigid edge or rim. Where laminated wood or some similar material is not used, a rigid rim may be attached to the material which composes the seat.

By the construction above described, the seat may readily be removed when desired.

Any desired number of plates 11 may be used.

That which I claim as my invention, and desire to secure by Letters Patent, is—

1. The combination with a seat frame having a horizontal portion, of a seat, a bolt passing through the seat frame, and a slotted wedge plate engaging said bolt and binding said seat against the under side of the seat frame, substantially as described.

2. The combination with a seat frame 2, having a vertical portion and a horizontal portion, of bolts in said vertical portion, a seat, the edges of which are adapted to bear against

the horizontal portion of said seat frame, and wedge plates mounted upon said bolts and adapted to bind said seat against said horizontal portion of the seat frame, substantially as described.

5 3. The combination with a seat frame 2, of bolts 9, seat 3 adapted to bear against the under side of a portion of said seat frame, and

plates 11, having inclined slots 12 adapted to fit upon said bolts 9 to bind said seat to said seat frame, substantially as described.

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Witnesses:

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