R. H. SOPER.

ADJUSTABLE FURNITURE STANDARD.

APPLICATION FILED DEC. 5, 1913.

1,180,951.

Patented Apr. 25, 1916.

Fig. 1.

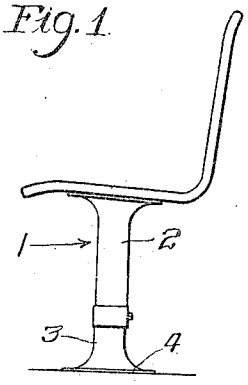


Fig. 2.

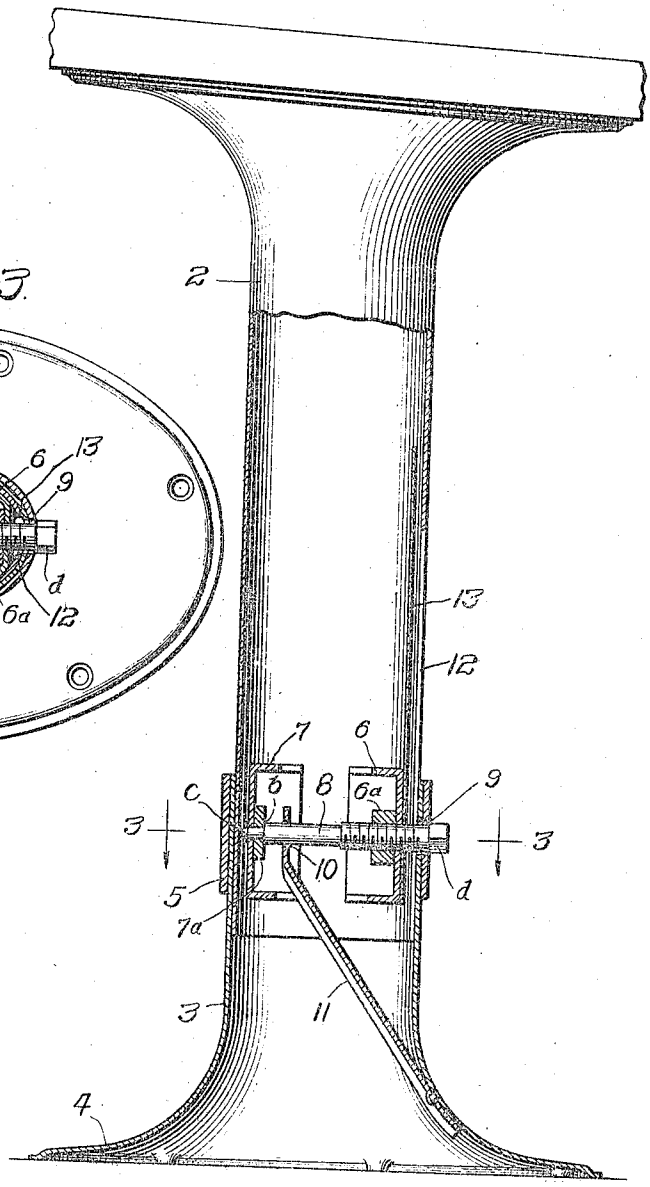
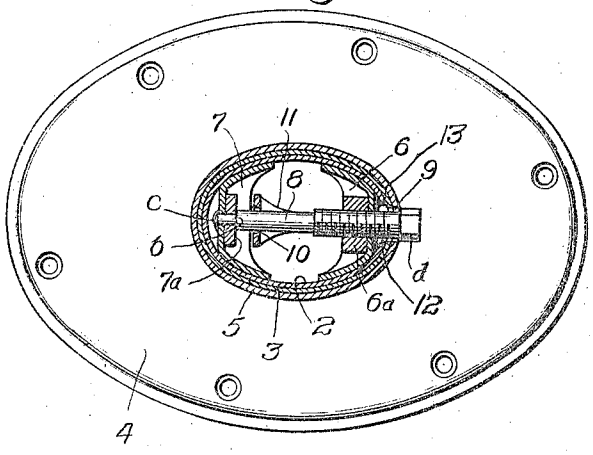


Fig. 3.



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UNITED STATES PATENT OFFICE.

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ADJUSTABLE FURNITURE-STANDARD.

1,180,951. Specification of Letters Patent. Patented Apr. 25, 1916.

Application filed December 5, 1913. Serial No. 804,811.

To all whom it may concern:

Be it known that I, RAYMOND H. SOPER, a citizen of the United States, residing at Muskegon, in the county of Muskegon and State of Michigan, have invented certain new and useful Improvements in Adjustable Furniture-Standards, of which the following is a specification.

This invention relates to the standards of school seats, desks and similar articles of furniture, the object being to provide a standard which shall be readily adjustable, which may be easily and securely locked in adjusted position, and which shall be of simple and inexpensive construction.

In the accompanying drawings, Figure 1 is a side elevation of a seat provided with a standard embodying the features of my invention. Fig. 2 is a view, partly in section, of the standard. Fig. 3 is a sectional view taken in the plane of dotted line 3—3 of Fig. 2.

The seat, proper, and the back may be of any preferred character. The supporting standard 1 consists of two tubular telescoping sections 2 and 3, the section 2 being fixed to the seat, and the section 3 being provided with a base or foot 4 adapted to be secured to the floor. The section 2 extends within the section 3. While the standard sections may be constructed of any suitable material, they are shown as formed of sheet metal. If desired, the upper end of the section 3 may be reinforced by an encircling band 5 welded in place.

The means for securing the section 2 at the desired height with reference to the section 3 comprises two clamp members 6 and 7 mounted upon a spindle 8. The clamp member 6 has a screw-thread connection with the threaded portion *a* of the spindle 8. The spindle is rotatably connected to the clamp member 7, said member being confined on the spindle between the shoulder *b* and the riveted or expanded end *c* of the spindle. One end portion of the spindle 8 is rotatably supported in an opening 9 formed in the standard section 3, the opposite end portion of the spindle being rotatably mounted in an opening 10 formed in the upper end of a brace 11, the lower end of which brace is fixed to the inner side of the section 3. The end of the spindle which projects through the opening 9 is of angular form (as *d*) so as to be adapted to receive a wrench. The head *d* and the screw-threaded portion of the spindle are of substantially the same diameter, so that it is practically impossible for the user to twist the head off the spindle. In the standard section 2 is a vertical slot 12 through which the spindle 8 extends, the brace 11 also extending through said slot when the section 2 is lowered. A strip 13 fixed to the clamp member 6 extends upwardly in position to close that portion of the slot 12 which extends above the section 3.

If desired, the clamp members 6 and 7 may be formed of sheet metal, as herein indicated. In order to provide a greater thickness of metal for engagement by the screw-threaded part of the spindle 8, a nut 6^a may be welded to the member 6. A washer 7^a may be welded to the member 7 to provide a wider bearing for said member on the spindle 8.

It will be seen that rotation of the spindle 8 in the appropriate direction will cause the clamp members 6 and 7 to move away from each other, and thus expand the lower slotted portion of the standard section 2 into close contact with the section 3, thereby locking the section 2 in the position to which it has previously been adjusted.

I claim as my invention:

1. A furniture standard comprising two telescoping sections, the inner section being expansible, two expansion members in the inner section, a spindle on which said members are mounted, said spindle bearing against one of said members and having a screw-thread connection with the other member, said spindle extending rotatively through an opening in the outer section, and a brace attached to the outer section and having a bearing opening through which the spindle extends.

2. In a furniture standard, the combination of two telescoping tubular sections, the inner section being expansible, two independent clamping blocks located within the inner section and movable toward and away from each other, and a transverse spindle passing through an opening in the outer section and having a threaded engagement with one clamping block and bearing against

the other clamping block, said spindle having a head thereon at the outer side of the standard for turning the spindle.

3. A furniture standard comprising two telescoping sections, the inner section being expansible, two expansion members in the inner section, a rotary screw spindle for moving said members toward and away from each other to expand and release the inner section, and a bracket fixed within the outer section for supporting said spindle and said expansion members.

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

RAYMOND H. SOPER.

Witnesses:
H. F. KLOTZ,
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