Dec. 13, 1932. W. C. H. CUSHMAN 1,890,456

ARTICLE OF FURNITURE

Filed July 31, 1931

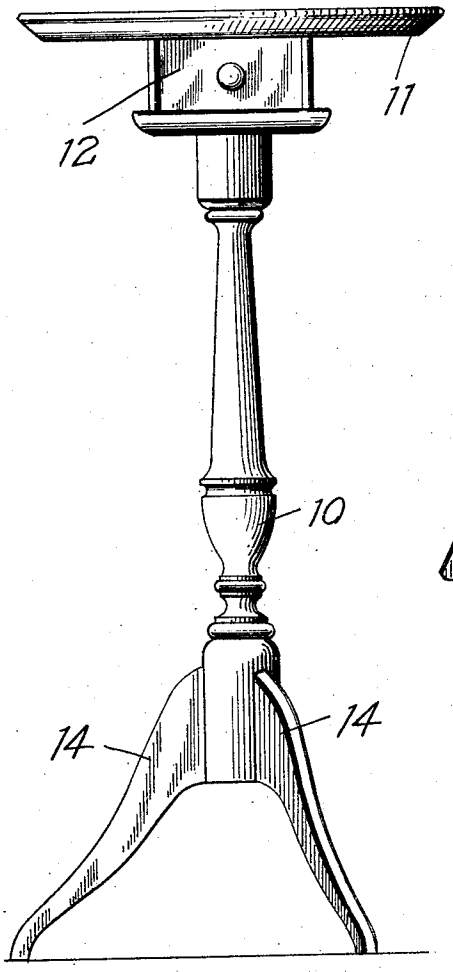


Fig. 1

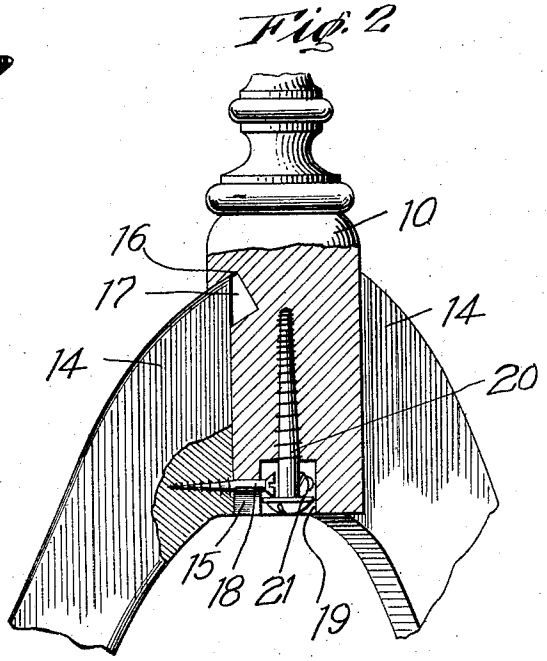


Fig. 2

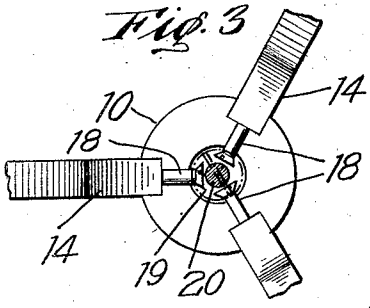


Fig. 3

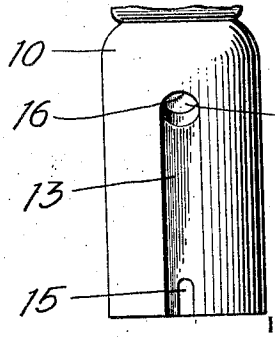


Fig. 4

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UNITED STATES PATENT OFFICE

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ARTICLE OF FURNITURE

Application filed July 31, 1931. Serial No. 554,194.

This invention relates to improvement in furniture, and more particularly to the attaching of legs to furniture.

Among the principal objects which the invention has in view are: to provide means for securing a plurality of legs to an upstanding article of furniture; to provide the body portion of an article of furniture with means for sliding legs therein; to provide the legs with means for holding the same in place after being slid into the body member; to be able to assemble the members, and detach the same whenever desired; to give the article of furniture a one-piece appearance; to secure simplicity of construction and operation; and to obtain other advantages and results as may be brought out in the following description.

Figure 1 is an elevation of an article of furniture embodying my invention;

Figure 2 is a portion of the article of furniture partly in section and embodying my invention.

Figure 3 is a plan looking up from the bottom; and

Figure 4 is a portion of the article of furniture showing the invention with a leg removed.

In the specific embodiment of the invention illustrated in said drawing, the reference numeral 10 indicates a standard for supporting a table top 11. It is to be noted that the present showing is for a small table such as may be used as a smoker's table or card table and provided with a drawer 12 to hold packages of cards, chips and so forth. However, it is to be understood that the invention does not necessarily have to be confined to this particular type of table.

In carrying out the invention, the lower portion of the standard 10 is provided with a plurality of grooves or slots 13 to receive the upper ends of leg members 14 therein. Said grooves or slots are parallel to each other and shown equally spaced around the standard, preferably extending upwardly from the bottom thereof a substantial distance. Adjacent the lower end of the standard and extending inward towards the center from each groove I have preferably cut away a portion to provide a notch 15 for more firmly securing the leg when slid into position as will hereinafter appear.

The upper end of each groove or slot 13 is shaped to provide a retaining shoulder 16. As here shown, the shoulder is formed by undercutting the material at the end of the slot with a hole 17 drilled at an acute angle to the bottom of the slot and with the wall of the hole forming the end of the slot. Thus the outer or open part of the slot is shorter than the bottom of the slot with the end wall tapering in the nature of a half dove-tail.

The leg 14 is adapted to be inserted with its end marginal portion in the slot 13 and has its upper edge sloping to fit the undercut shoulder. By sliding the leg to its uppermost position, its sloping upper edge will be locked behind the shoulder and thus prevent the leg from swinging away from the standard.

Opposed to the lower end portion of the standard, the leg is provided with a retaining means such as a screw 18 which projects from the leg into the standard. In the present showing the screw 18 is inserted into the leg from the face thereof which rests in the groove of the standard, and the head of the screw is within the standard. The portion of the screw, for convenience called the shank, from its head to the part embedded in the leg, is adapted to pass through the notch 15 above described. The standard 10 is recessed centrally upward from its bottom, as at 19, thus providing space to receive the several screw-heads. The notch is made too narrow to admit passage of the screw-head therethrough as a result of which the portion of the leg at the lower part of the groove will be prevented from swinging away from the groove.

The several screws may be held at the upper ends of their respective notches by a securing means, such as a screw 20 and washer 21. This screw 20 is inserted upwardly and centrally of the standard within the recess 19 and the washer 21 carried next the head of this securing screw engages laterally against edge portions of the heads of the several leg retaining screws. This arrangement therefore holds the leg retaining screws in place and also holds the legs slid to upper-

most position so that the sloping upper ends and shoulders will likewise be held in engagement and the parts retained in assembled condition. By virtue of this construction, the table may be quickly assembled and disassembled since there is a single means retaining the legs assembled with respect to the standard.

I claim:

1. A device as characterized comprising a standard and legs therefor, said standard having elongated slots, the upper portions forming a half dove-tail at an acute angle to receive marginal portions of the legs, and said slots adjacent their lower ends and extending inward towards the center of the standard being cut away to form notches to more firmly secure the lower marginal portions of the legs to the standard.

2. A device as characterized comprising a standard and legs therefor, said standard having elongated slots, the upper portions forming a half dove-tail at an acute angle to receive marginal portions of the legs, and said slots adjacent their lower ends and extending inward towards the center of the standard being cut away to form notches to more firmly secure the lower marginal portions of the legs to the standard, and means projecting from said lower leg portions adapted to be held within said notches and prevent dislodgment of the legs from the standard.

3. A device as characterized comprising a standard and legs therefor, said standard having elongated slots, the upper portions forming a half dove-tail at an acute angle to receive marginal portions of the legs, and said slots adjacent their lower ends and extending inward towards the center of the standard being cut away to form notches to more firmly secure the lower marginal portions of the legs to the standard, means projecting from said lower leg portions adapted to be held within said notches and prevent dislodgment of the legs from the standard, and a screw with a washer projecting upwardly and centrally within the said standard adapted to engage the edge portions of said means and thereby secure the legs to said standard in assembled condition.

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