Oct. 7, 1924. 1,510,661

A. ELLINGSEN

COSTUMER

Filed Jan. 30, 1922

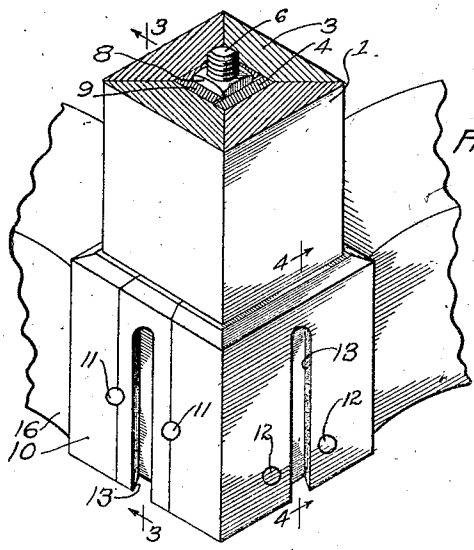


FIG. 2

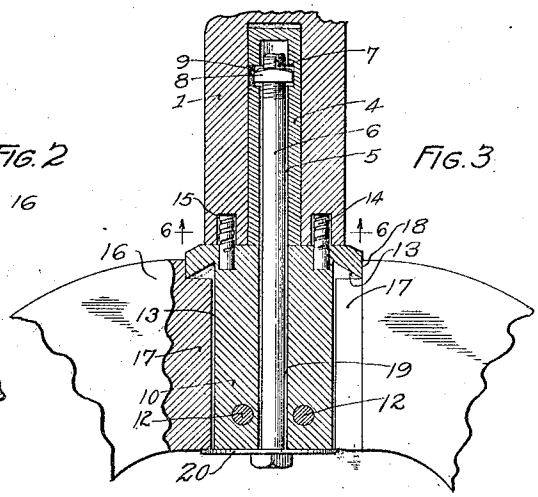


FIG. 3

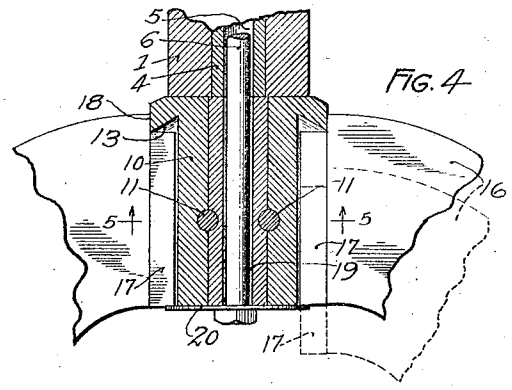


FIG. 4

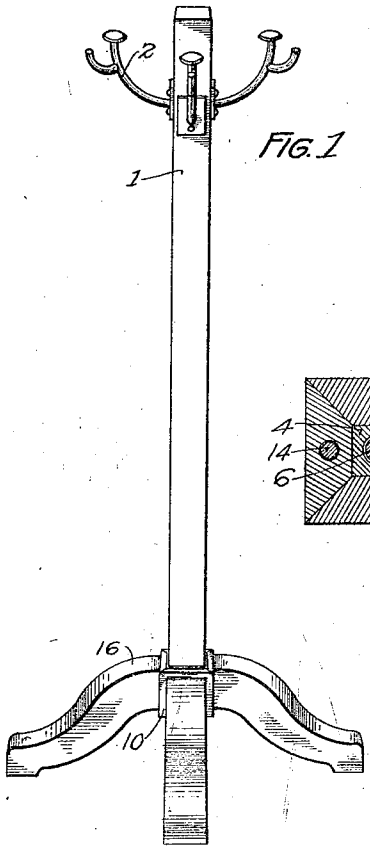


FIG. 1

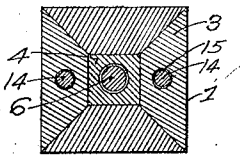


FIG. 6

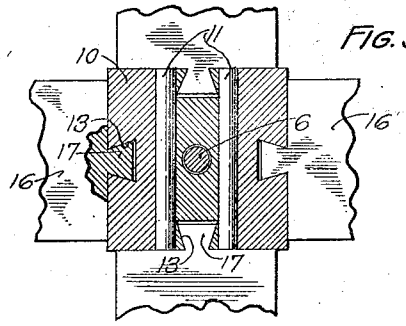


FIG. 5

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UNITED STATES PATENT OFFICE.

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COSTUMER.

Application filed January 30, 1922. Serial No. 532,536.

To all whom it may concern:

Be it known that I, ANNEUS ELLINGSEN, 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 a Costumer, of which the following is a specification.

This invention relates to the construction of a clothes rack, pedestal, or a supporting stand in which a number of legs or foot pieces extend outwardly from a common block for supporting the device. Among the objects of the invention are: to provide a construction of this kind which is easily taken down or assembled for shipping in a knockdown condition; to provide a suitably braced and strengthened block for the attachment to the legs without danger of splitting the block, and for holding the legs firmly in place; to provide improved fastening means for the lock and the upright or pedestal piece; and in general, to produce a device of the construction herein shown and described.

In the accompanying drawing, Fig. 1 is an elevation of a costumer or clothes rack constructed in accordance with the principles of this invention; Fig. 2 is a detail view of the base block and the lower end of the upright piece; Fig. 3 is a sectional view taken on the line 3—3 of Fig. 2; Fig. 4 is a transverse section taken on the line 4—4 of Fig. 2; Fig. 5 is a cross section taken on the line 5—5 of Fig. 4; and Fig. 6 is a section taken on the line 6—6 of Fig. 3.

In illustrating this invention a clothes rack is shown with an upright post 1 to which clothes hooks 2 are attached at the upper end. This post is preferably made of sections 3 as shown in Fig. 2 with the joints at the corners so that the grain of the wood will appear to the best advantage on the outside faces. Near the lower end a core 4 is inserted formed with a bore 5 opening from the lower end thereof so that a fastening bolt 6 may be inserted in the core. At a distance from the lower end of the core a slot 7 is made in one side thereof before it is inserted in the post and a nut 8 is placed therein, the nut sealed in place by a small cut out block 9 so that the nut will be held against rotation for receiving the threaded end of the bolt 6.

A base block 10 slightly larger than the cross section of the post 1 is formed out of three pieces of material of substantially equal width glued or otherwise fastened together and strengthened transversely by dowel pins 11 and 12 which are also preferably glued to the pieces forming the block, as close to the bottom as practical. At the middle of each rectangular face of the block is a dove-tailed groove 13 which extends upwardly from the bottom of the block to a point below the top thereof where the groove is slightly undercut. The dowel pins 11 and 12 are located close to the inner edges of the dove-tailed grooves so that the grooves are strengthened materially by the dowels. Seated in the upper end of this block 10 are dowel pins 14 which are adapted to be inserted in corresponding openings 15 at the lower end of the post 1.

For each dove-tailed groove there is a leg or foot piece 16 which has a dove-tailed tenon 17 adapted to fit closely in the groove 13. The foot piece is inserted from the bottom of the block and abuts the undercut portion at the top thereof making a close fit and with a shoulder 18 fitting tightly against the outer face of the block and neatly covering the face of the block as well as the groove therein. When actually secured in place, the legs 16 are preferably glued in the grooves 13 so that the block 10 and the legs 16 are removable from the post as a unit.

Through the middle of the block 10 is a hole 19 through which the bolt 6 is inserted from the bottom for engaging the nut 8 in the post, and if desired, the washer 20 at the underside of the block may be in the form of a plate which engages beneath the under edges of the legs 16 for additionally holding them in their grooves 13.

With this construction it is apparent that the base may be very easily detached from the post 1 for shipping purposes, and if desired, the legs 16 may even be separated from the base block 10. By making the base block of sectional construction and bracing the edges of the dove-tailed slots with the dowel pins, a very strong construction is provided which is not liable to become damaged or broken even if considerable weight is applied to the device. Furthermore, even though this supporting base construction is described as applied to a clothes rack, it is apparent that it could be used equally well with many other articles of furniture which

require a strong supporting base without departing from the spirit and scope of the invention.

I claim:

1. In a structure of the class described, a removable base block formed of sections of material secured together, a plurality of arms having a dove-tailed groove and tenon connection with and extending outwardly from the base block, and dowel pins for reinforcing the base block at the sides of the connection and at right angles to each one of the arms.

2. In a structure of the class described, a removable base block having a fastening groove in each one of a plurality of angular faces, arms each with a tenon engageable in one of the grooves, and dowel pins extending through the block for strengthening it directly at the sides of the groove.

3. In a structure of the class described, a base block composed of sections secured together and having a dove-tailed groove in each of a plurality of angular faces, an arm for each face having a dove-tailed tenon to fit the groove, and reenforcing dowel pins extending through the block at the sides of each groove.

4. In a construction of the class described, the combination with a sectional base block having grooved outer faces, of supporting members radiating therefrom each having a dove-tailed tenon at the inner end, dowel pins extending transversely through the block at the sides of the grooves to strengthen the block, a sectional-upright member to which the block is attachably secured, the block being formed with a central hole therethrough, the upright member being formed with an opening at its end, a threaded nut embedded in one section of the upright member at a distance from the end but in line with the end opening therein, and a fastening bolt insertable through the hole in the block and engaging with the threaded member.

5. In a structure of the class described, a post, a solid sectional base block attachable thereto having a dove-tailed groove extending from the bottom edge of each angular face, a plurality of arms each having a dove-tailed tenon engageable in one of the grooves, dowel pins at the sides of the grooves to strengthen the block fastening means including a bolt extending from the underside of the block into the post, and a plate between the head of the bolt and the bottom of the block engageable with the under face of the said tenons for additionally holding them in the grooves.

6. In a furniture base block of the class described, the combination with three connected sections forming four substantially equal outer faces with a dove-tailed groove extending from the lower edge of each face, two pairs of dowel pins extending entirely through the block at right angles to each other, each pair being located adjacent the lower edge of the block and as close to the edges of the grooves as possible without entering the grooves.

7. In a structure of the class described, a base block comprising connected sections forming substantially equal outer faces with a dove-tailed groove extending from the lower edge of each face, two pairs of dowel pins extending through the block at right angles to each other and as close to the edges of the grooves as possible without entering them, and arms each having a dove-tailed tenon fitting the groove in the base block and seated at the upper end thereof.

8. In a structure of the class described, a base block comprising connected sections forming substantially equal outer faces with a dove-tailed groove extending from the lower edge of each face, two pairs of dowel pins extending through the block at right angles to each other and as close to the edges of the grooves as possible without entering them, arms each having a dove-tailed tenon fitting the groove in the base block and seated at the upper end thereof, a post for the top of the base block, a washer for the bottom thereof, and a fastening bolt insertable through the washer and base block into the post for securing all of the parts together and for pressing the washer against the bottom of the tenons for holding the arms in place in the grooves.

ANNEUS ELLINGSEN.