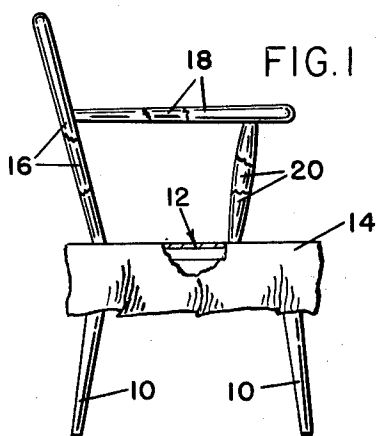
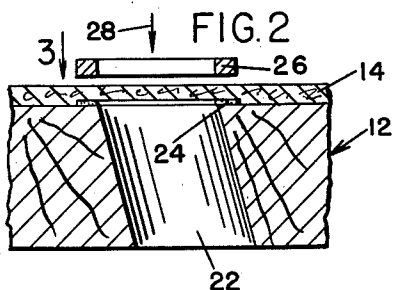
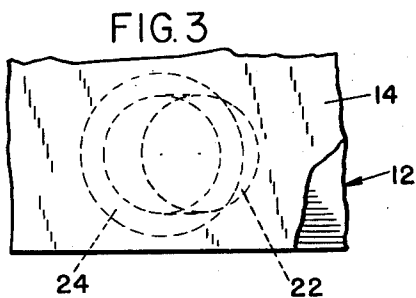
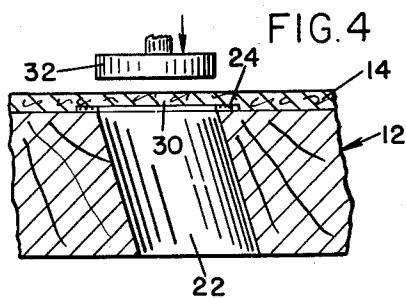
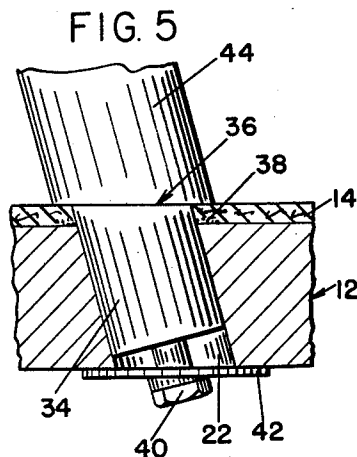


Aug. 25, 1964

H. J. GARIEPY
UPHOLSTERED FURNITURE

3,146,029

Filed June 12, 1962



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3,146,029

UPHOLSTERED FURNITURE

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Filed June 12, 1962, Ser. No. 201,828
5 Claims. (Cl. 297—445)

This invention relates to new and improved upholstered furniture and more particularly relates to means for cementing and similarly securing upholstery, covering material, etc. to the frame of a piece of furniture such as a chair, divan, etc.

Further objects of the invention include the provision of a piece of furniture such as a chair, divan, etc., embodying a seat frame upon which legs are to be mounted in the conventional manner at the under side thereof and upon which at the upper side thereof there is to be mounted a back and connected armrests in such a way that furniture can be manufactured and shipped in knockdown condition and be set up by the customer himself, and at the same time the invention proposes to cement or similarly secure upholstery material to said seat frame by cementing the same thereto at relatively narrow ring-like areas surrounding apertures in the seat frame, which apertures are to receive tenons attached to edge pieces for the backrest and to standards supporting the arms.

A further object of the invention resides in the provision of a new and improved method for applying upholstery to the seat frame of furniture, particularly of knockdown style, by cementing the upholstery thereto in a narrow circle surrounding holes, pressing the same by means of a tool, and then punching a hole through the upholstery material in the area of the opening in the seat frame, so as to leave the upholstery material in position without the necessity of using any metallic or other fasteners and still providing for quick and easy assembly of the parts of the chair, divan, etc. by the customer.

Other objects and advantages of the invention will appear hereinafter.

Reference is to be had to the accompanying drawings, in which—

FIG. 1 is a view in side elevation of a chair according to the present invention;

FIG. 2 is a sectional view on an enlarged scale illustrating the method of applying the upholstery material;

FIG. 3 is a plan view, looking in the direction of arrow 3 in FIG. 2;

FIG. 4 is a view similar to FIG. 2 but showing a further step in the method, and

FIG. 5 is a sectional view on an enlarged scale showing the parts in assembled condition.

In illustrating the present invention, the same has been disclosed as applied to a chair or divan which has more or less conventional legs 10, 10, a seat frame which may be solid or open and is preferably made of wood generally indicated at 12, this being covered with upholstery material 14 which may be merely in the nature of cloth or padded material or it may have foam rubber underneath or other padding. To be attached to the seat is a backrest member which among other parts includes two end or side rails 16 which may be connected by slats as is usual, and a pair of armrests indicated at 18, 18, each of which is provided with a standard 20, 20. The lower ends of the rails 16 and the standards 20 are to be secured to the seat frame 12 in the manner to be described.

Referring now to FIG. 2, the seat frame is first provided with holes which are made on a slant if desired as indicated at 22. These holes are drilled or bored for the reception of tenons at the lower ends of the side rails 16, 16 of the backrest or at the lower ends of the armrest supporting standards 20, 20 as the case may be.

A narrow ring of cement is applied as indicated by

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the reference numeral 24 onto the top of the seat frame about the opening 22. With this cement in tacky condition, it is merely necessary to apply the padding, upholstery, or other similar material 14 with which the seat 12 is to be covered and then this upholstery material may be pressed down in the area of the ring 24 in order to firmly cement the upholstery material 14 to the top surface of the seat frame 12. This can be done manually or it can be done by machine such as for instance a plunger or the like 26 which may of course be solid or in the form of a ring and which is brought down in the direction of arrow 28 under pressure so as to firmly cement the upholstery material 14 in a circular form at 24 about the opening 22.

Thereafter the waste material 30 of the upholstery material 14, i.e., that material of the upholstery 14 which coincides with the area of the openings 22, is cut away by any desired means such as for instance a punch 32 or the like, and this leaves the seat 12 completely upholstered but with openings for the reception of tenons at the lower ends of side rails 16 or armrest standards 20, and these can be applied to the openings and secure them in position as shown in FIG. 5.

In FIG. 5 the tenon is indicated at 34 and it is cut off square at 36 on a slant with reference to the axis of the side rail or armrest standard, depending upon the inclination of the hole 22. This square cut portion completely overlaps the cemented area which is indicated at 38 in FIG. 5, so that even though cement should show in the area of the ring at 24, it will be covered by the shoulder 36 formed by square cutting the base under the tenon 34 as clearly shown in FIG. 5. Then a fastener 40 of conventional type is passed through a washer or the like 42 and secures the member which is indicated at 44 and which may be either backrest side rail member 16 or armrest standard 20. The parts are therefore firmly secured in position, the upholstered material being firmly secured not only by the cement but now also by the square cut shoulders 36 to form a finished article of furniture which is easily put together.

Attention is called to my copending patent application Serial No. 196,253, filed May 21, 1962, now U.S. Patent No. 3,115,367 which shows a similar upholstered type of furniture secured in a different manner.

Having thus described my invention and the advantages thereof, I do not wish to be limited to the details herein disclosed, otherwise than as set forth in the claims, but what I claim is:

1. An article of furniture comprising a seat, a back assembly, leg members, and two armrest assemblies, each armrest assembly includes a supporting standard therefor, and the backrest assembly including side rails, tenons at the lower ends of the armrest standards and side rails for the backrest, corresponding openings in the seat frame for the reception of said tenons whereby to assemble the backrest, armrests and seat frame, upholstery material on the seat frame, and means cementing the upholstery material about the openings in the seat frame on the top surface thereof.

2. The article of furniture of claim 1 wherein said backrest side rails are provided with square cut shoulders at the inner ends of the tenons, said square cut shoulders being secured in position to cover the cemented upholstery material adjacent the openings in which the tenons are received.

3. The article of furniture of claim 1 wherein said backrest side rails are provided with square cut shoulders at the inner ends of the tenons, said square cut shoulders being secured in position to cover the cemented upholstery material adjacent the openings in which the tenons are received, and means securing the tenons in position in the openings in the seat frame.

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4. The article of furniture of claim 1 wherein said backrest side rails are provided with square cut shoulders at the inner ends of the tenons, said square cut shoulders being secured in position to cover the cemented upholstery material adjacent the openings in which the tenons are received, said cemented areas being coextensive with the respective square cut shoulders.

5. The article of furniture of claim 1 wherein said members are at an incline with respect to the top surface of the chair seat frame, the openings also being at a similar inclination, a square cut shoulder terminating at the inner

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end of each tenon, said shoulders being on a complementary inclination to set flatly on the upholstery material in a circular ring about the openings.

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