F. PARKER.

KNOCKDOWN PICTURE FRAME.

APPLICATION FILED FEB. 24, 1908.

899,556.

Patented Sept. 29, 1908.

Fig. 1

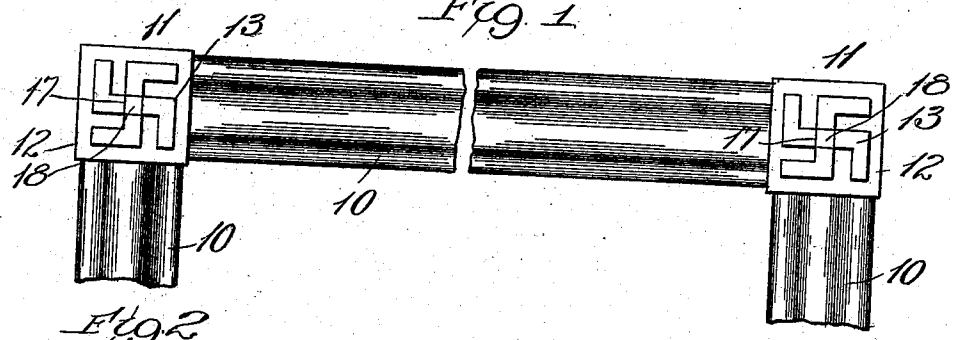


Fig. 2

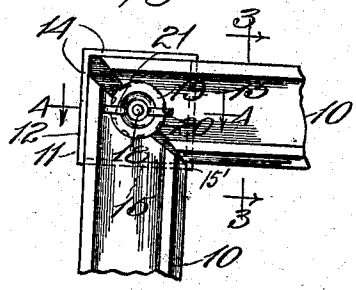


Fig. 3

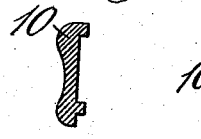


Fig. 4

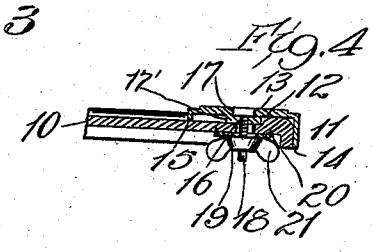
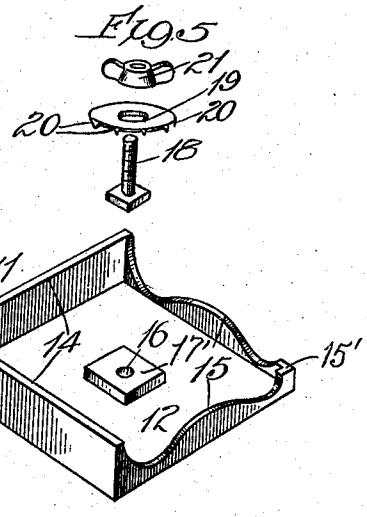


Fig. 5



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UNITED STATES PATENT OFFICE.

FRED PARKER, OF CHICAGO, ILLINOIS.

KNOCKDOWN PICTURE-FRAME.

No. 899,556. Specification of Letters Patent. Patented Sept. 29, 1908.

Application filed February 24, 1908. Serial No. 417,333.

To all whom it may concern:

Be it known that I, FRED PARKER, 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 Knockdown Picture Frames, of which the following is a specification.

My invention relates to improvements in picture frames and has for its general object to provide a knock-down frame of improved construction, wherein the wood or composition framing sections are secured together at the corners by metallic corner pieces.

My invention contemplates a corner piece construction of such form that no care need be used in mitering the end of any framing section as the ends of the framing sections may be widely variant in end configuration and roughly sawed, without affecting the external appearance of the completed frame.

Further an object of my invention is to provide a corner construction such that the frame may be readily assembled by unskilled persons.

Other and further objects of my invention will become apparent from the following description, taken in conjunction with the accompanying drawings, in which;

Figure 1 is an elevation of a fragment of a frame, constructed in accordance with my invention; Fig. 2 is a rear elevation of one corner of the frame; Fig. 3 is a section on line 3—3 of Fig. 2; Fig. 4 is a section on line 4—4 of Fig. 2, and; Fig. 5 is a detail view, showing the several parts of the corner construction in separated relation.

In the construction of a frame I employ wood or composition framing sections, 10—10, of suitable front contour, a simple form of which is shown on Fig. 3, and connect adjoining sections with corner structures, generally indicated at 11. Each corner structure comprises a face plate 12, which may be a casting or a stamping, preferably square, and providing a decorative front surface 13, rearwardly projecting walls or flanges 14, 14 forming the corner, to receive in contact the exterior edges of the proximate framing sections, and preferably rearwardly projecting flanges 15, 15, along its remaining two sides fashioned for approximate conformity to the sectional configuration of the decorative front surface of the frame sections and meeting at a corner post 15′ which positions the inner edges of the framing sections. In practice the conformation of the flanges 15 to the framing need not be absolutely accurate, and, if desired, the free edges of the flanges 15, 15 may be sharpened to indent themselves somewhat in the material of the framing sections 10, or the framing may be saw-slotted to receive the flanges.

At a suitable point on the diagonal from corner 15′, preferably at approximately the center of the plate 12, an aperture 16 is provided, preferably opening to a square depression or recess 17 in the decorative face 13 of the face plate 12, which, to provide for the recess is provided with a boss 17′ on its rear face, preferably of less height than the alining portions of flanges 15. A bolt 18, with a corresponding squared head, is seated in said recess 17, with its stem protruding through the aperture 16 and receiving a washer 19, which may, if desired, be provided with crown teeth 20, and also to receive a nut 21, which is preferably a wing nut.

In assembling a picture frame the framing stock 10 is cut into appropriate lengths, the effective length being measured along the inner or shorter edge of the frame piece, and the stock being cut at such points at angles such as to make the toe or acute angle at the outer edge somewhat greater than a 45° angle. No precise mitering is necessary and the cut may be as rough as desired, as no matching or fitting of the framing sections 10 to each other is necessary. It is preferable, however, that the included angle of the toe of the frame member be somewhat greater than 45° in order that the aperture 16 of the corner member may be unobstructed by the framing sections. The parts are then assembled as shown in Figs. 2 and 4, the square bolt 18 forming a post projecting rearwardly between the extremities of the proximate framing members, and receiving the toothed or plain washer 19, which is of sufficient diameter to span the space between the frame section ends, but small enough to fit in the rear channel thereof, and is pressed with proper tension upon the adjacent frame members by the wing nut 21. It will be observed that the flat bearing of the outer edges of the adjoining frame members against the corner walls 14, 14, affords rigid bracing for the frame, and when all four corners are secured as described the frame is substantial and rigid throughout.

It is obvious that the construction described does away with all gluing and enables a properly fitting frame to be made without accu-

rate cutting or matching of the adjoining extremities of the frame members 10, and that it provides a neat and artistic article which may be readily set up by inexperienced persons.

While I have herein described in some detail a specific embodiment of my invention it will be apparent to those skilled in the art that many variations in the mechanical construction may be made within the scope of the appended claims without departure from the teaching of my invention.

Having thus described my invention, what I claim and desire to secure by Letters Patent, is;

1. A knock-down picture frame comprising framing sections, corner members each providing a face plate to overlie the adjoining framing sections and rear walls arranged to receive the outer edges of the adjoining framing sections, a clamping part overlying the rear surfaces of the adjoining frame sections, connected between said frame sections to the face plate to clamp the frame sections against the face plate.

2. In a knock-down picture frame, framing sections, and corner structures, each corner structure comprising a plate overlying the adjoining ends of the framing members, rear walls receiving the outer sides of the frame members in contact therewith, a post projecting rearwardly from the plate between the adjoining ends of the framing members, and an adjustable clamping part on said post.

3. In a knock-down picture frame, framing sections, having their ends cut at angles to leave between adjoining sections open spaces, and for each frame joint a corner structure comprising a face plate overlying the front faces of the framing ends, corner walls receiving the outer edges of the framing sections, a threaded part projecting from the face plate between the ends of the framing sections, and an adjustable nut on the threaded post.

4. In a knock-down picture frame, framing sections, a corner piece comprising a face plate, integral rear corner walls, 14, walls 15, fashioned for conformity with the decorative face of the framing sections, a screw threaded member projecting rearwardly through the face plate, a washer surrounding said threaded member and overlying the ends of the adjoining framing sections, and a nut on the threaded member.

In testimony whereof I hereunto set my hand in the presence of two witnesses

FRED PARKER.

In the presence of—

GEO. T. MAY, JR.,

MARY F. ALLEN.