

T. R. McCLOSKEY.
 CORNER CLAMP FOR USE WITH FABRIC STRETCHERS.
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1,065,460.

Patented June 24, 1913.

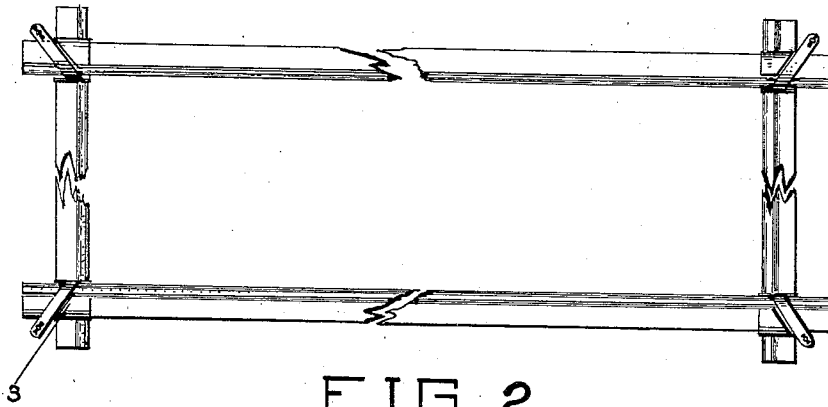


FIG 2

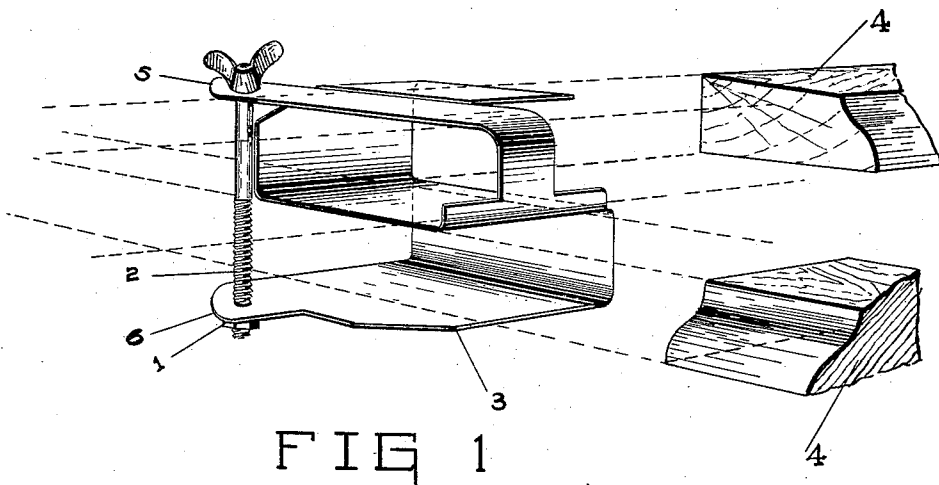


FIG 1

WITNESSES:
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CORNER-CLAMP FOR USE WITH FABRIC-STRETCHERS.

1,065,460.

Specification of Letters Patent.

Patented June 24, 1913.

Application filed August 13, 1912. Serial No. 714,900.

To all whom it may concern:

Be it known that I, THOMAS R. McCLOSKEY, a citizen of the United States, and residing at Salt Lake City, county of Salt Lake, and State of Utah, have invented a new and useful Improvement in Corner-Clamps for Use with Fabric-Stretchers.

The object of my invention is to provide a clamp that will obviate the necessity of having slots in the frame, thus weakening the frame and rendering it liable to split.

With this object in view my invention consists in the novel features of construction of the clamp and its use in combination with fabric stretchers.

In the drawings: Figure 1 is a perspective view of the clamp. Fig. 2 is a view of the clamp applied to a curtain stretcher.

Similar characters of reference refer to similar parts throughout the several views.

1 is a reinforcement to the clamp where the thumb screw 2 passes through it.

3 is the clamp itself.

4, 4 are wooden frame members.

The clamp is stamped out of a single metal blank and when so stamped substantially is L shaped, having however a tail projecting obliquely from the middle of the lower portion of the L and having a right hand projection of the L obliquely sheared off on the side next to the bottom. The upper arm of the L also extends upward and to the right to a point exterior to the junction of the upper and lower arms of the L. In forming the clamp out of the blank, the lower arm of the L and the said oblique tail are bent downward at right angles with the main portion to form the sides of the lower housing. The lower ends of the said tail and the said lower arm are then bent inwardly at right angles to the sides and form the bottom portion of the said lower housing. The said tail and the said lower arm then lie in the said plane contiguous to one another, the end of the said tail being exterior to one of the sides of the housing. The upper arm of the L is then bent upward at right angles to the lower housing to form one of the sides of the upper housing and is then bent backward at right angles to the side so formed to form the top of the upper housing. The top of the lower housing forms the bottom of the upper housing and the two housings are disposed at right angles to each other so that a frame member inserted in the upper housing is at right

angles to a frame member inserted in the lower housing. The projecting end of the upper housing lies in a parallel plane with the projecting end of the lower housing and a thumb screw hole 5 in the upper one registers with a similar hole 6 in the bottom one. A reinforcement 1 is attached at 6 and adapted to engage the threads of the thumb screw 2, which is passed through the ends 5 and 6. The frame member is then housed in the upper portion and another in the lower portion. By tightening the thumb screw 2, the upper and lower housings may be made to grip the frame members passed therethrough and by the reverse operation the grip may be loosened so that the frame members may be slid in or out and thus the frame may be made larger or smaller.

Having thus described my invention what I claim as new and desire to secure by Letters Patent is:

1. A corner clamp consisting of a clamp having its two sides bent upward at right angles to the bottom of the said clamp and inwardly at right angles to the sides; one of the said sides when thus bent projecting laterally beyond the other side and one end being bent downward at right angles to the bottom, and thence inwardly in a parallel plane with the bottom; a thumb screw passing through the exterior end of the said side and of the said end, and adapted to bind the two frame members together when housed in the said clamp by adjusting the said thumb screw.

2. In fabric stretchers in combination with slats forming the four sides of the frame, said slats being secured together at their outer corners by means of the corner clamp, said clamp having the lower portion of the same bent into a loop through which the side member of the said frame passes and having the upper portion bent into a loop at right angles to the aforesaid loop to permit passage of the end slat of the said frame at right angles to the said side member and having means for the rigid securing of the said side and end slats together by a thumb screw passing through the exterior portion of said under and upper loops, adjacent to the said slats, the said clamp being of such construction as to permit the free passage of the side and end members of the said frame when the tension upon the said loops is slackened by means of the said thumb screw.

3. In curtain or fabric stretchers the combination of the corner clamps having the upper and lower portions disposed at right angles to each other, both the upper and lower portions having an exterior corner projecting and a thumb screw passing through one of the said exterior corners and threaded into the other, adapted to normally cause the clamp to grip frame members housed in the upper and lower portions, a side frame member housed in one portion of the said clamp and an end frame member housed in the other portion of the said clamp and capable of sliding freely therein when the tension is lessened by the adjustment of the said thumb screw, all substantially as above described.

4. As a new article of manufacture, a

duplex clamp, formed of two housings, an upper and a lower, the top of the lower housing forming the bottom of the upper housing, the said upper and lower housings being disposed at right angles to each other, the top of the said upper housing extending exteriorly to the main part of each housing and the bottom of the lower housing extending exteriorly to the main part of the lower housing so that the exterior projection of the upper and lower extensions register with each other, and a thumb screw passed through the said projection at right angles to each of said projections as set forth.

THOMAS R. McCLOSKEY.

Witnesses:

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."