April 2, 1957 G. T. HOBBS 2,787,037

CORNER BRACKET

Filed Oct. 14, 1953

FIG. 1.

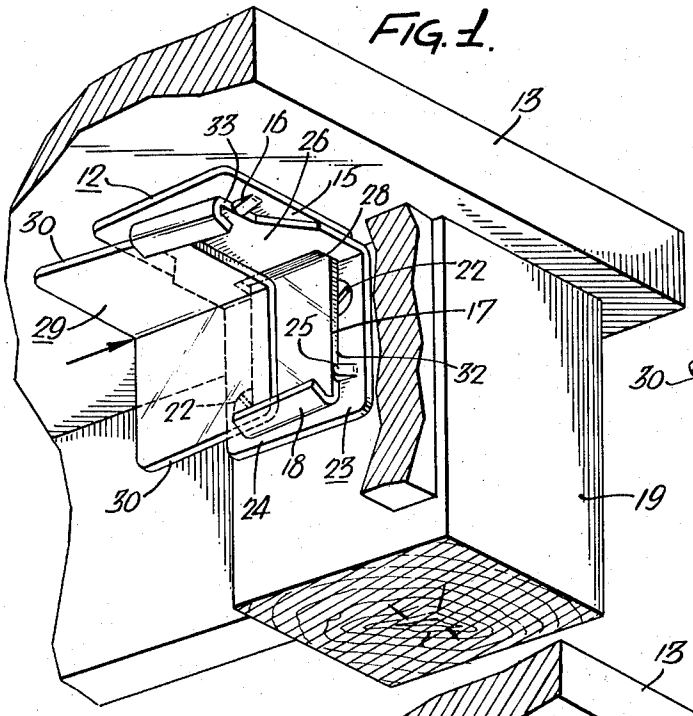


FIG. 5.

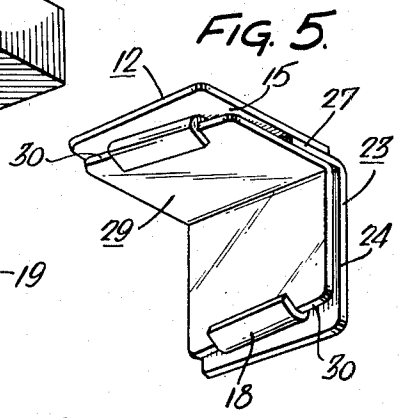


FIG. 2.

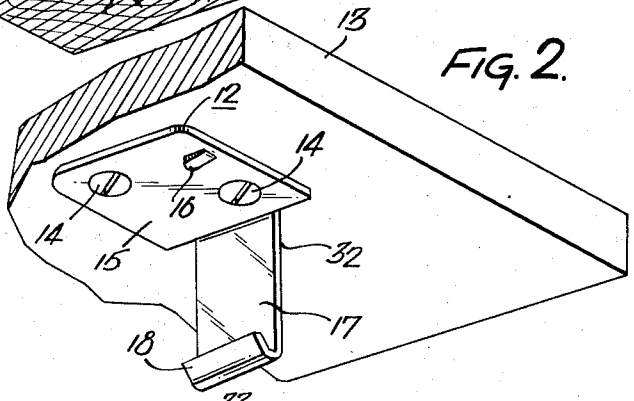
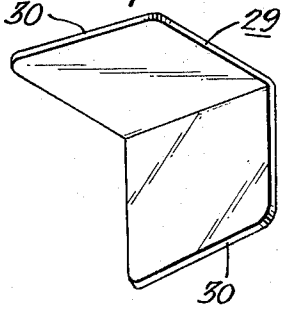


FIG. 4.



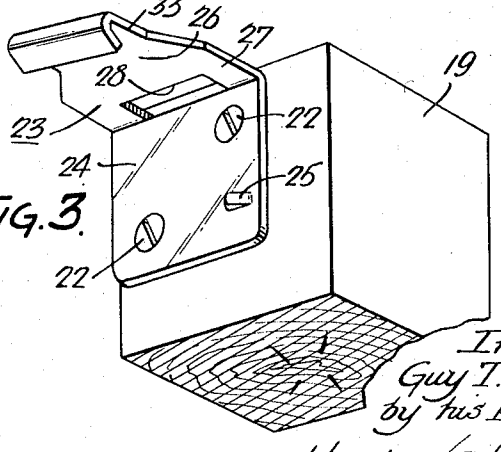


FIG. 3.

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3 Claims. (Cl. 20—92.5)

This invention relates to furniture fastening devices and more particularly to a fastening device for furniture of the knock-down type.

The advantages of knock-down furniture are well known. Great savings are effected in shipping and labor costs and, consequently, the merchantability of such furniture is enhanced. A principal disadvantage of knock-down furniture, however, is that the fastening devices employed in prior art constructions render the articles difficult to assemble, and further tend to become disengaged in use so that the furniture components are permitted to assume an undesirable relation one with another or become entirely disassembled.

With the foregoing in mind, a primary object of the invention is to provide a fastening device for furniture of the knock-down type which renders the furniture easy to assemble.

A further object of the invention is to provide a fastening device of the stated type wherein the component parts thereof interlock to maintain the furniture elements in a predetermined desirable relation.

Another object of the invention is to provide a fastening device of the stated type wherein the component parts may be readily engaged with a minimum of skill and with a simple household tool.

A still further object of the invention is to provide a fastening device of the stated type which exhibits simplicity and economy of manufacture and which, further, is of convenient form and generally improved functional characteristics.

The invention resides further in certain novel, structural and functional details hereinafter described and illustrated in the attached drawings wherein:

Fig. 1 is a view in perspective of a fastening device made in accordance with the present invention, showing the component parts in partially assembled relation;

Fig. 2 is a view in perspective of an article of furniture having secured thereto one of the component parts of the fastening device of the invention;

Fig. 3 is a view in perspective of a furniture component having secured thereto a mating fastening element to the element shown in Fig. 2;

Fig. 4 is a view in perspective of the wedge employed to secure the respective fastening device elements in assembled relation, and

Fig. 5 is a view in perspective of the fastening device of the present invention shown in assembled form.

With reference to the drawing and more particularly to Fig. 1 the fastening device therein disclosed comprises a male member **12** adapted to be secured to a furniture component **13** by suitable fastening means **14**. This male member is substantially L-shaped in conformation and consists of a base member **15** having a struck-out boss **16** for purpose to be described, and a tongue **17** extending perpendicularly to the base member **15** and being provided with a hook portion **18** disposed in angular relation to the transverse dimension of the tongue.

In Fig. 3 is shown a furniture component **19** having secured thereto, by suitable securing means **22**, a female member **23** corresponding generally to the male member of the furniture component **13**. In this instance, the female member comprises a base plate **24** having a struck-out boss **25** for a purpose to be described, and a tongue portion **26** having a base **27** of a width corresponding to the width of the base plate and decreased in width outwardly from the base to a point where the width corresponds to the width of the tongue portion of the male element and terminating in a hook portion angularly disposed with respect to the transverse dimension of the tongue **26**. The female member also has an aperture **28** which in assembly receives the tongue **17** of the male member as hereinafter described.

To assemble furniture employing the fastening device of the present invention the furniture component **19** is moved towards the component **13** so that the tongue **17** of the male portion is received in the aperture **28** of the base **27** of the tongue **26** of the female element. When the tongue **17** is fully inserted the edge **32** thereof will abut the struck-out boss **25**, and similarly the edge **33** of the tongue **26** will abut the struck-out boss **16** of the male member.

It will be noted by reference to Figs. 1 and 5 that the hook portions of the respective tongues are correspondingly sloped to provide inclined tracks for the reception of a wedge **29** which is substantially L-shaped, but has sloping edges **30** corresponding to the angularity of the hook portions of the respective tongues.

When the wedge **29** has been driven home in the tracks provided by the hook portions of the respective tongues, the bosses **16** and **25** prevent relative rotation of the base plates each to the other about an axis co-incident with the meeting points of the respective base plates and tongues. Displacement of the respective elements about an axis perpendicular to the above mentioned axis is precluded in one direction by the abutment of the edges **32** and **33** with the struck-out bosses **16** and **25** respectively and in the other direction by the retentive effect of the wedge, the edges of which frictionally engage the inside surfaces of the respective hook portions.

I claim:

1. For knock-down furniture, a fastening assembly comprising a female member having a flat base portion, a tongue disposed normal to said base and terminating in a hook portion, and an elongated aperture in said tongue adjacent the base portion and parallel thereto, a male member having a base portion lying flush against said female tongue and having a male tongue disposed normal to said base portion and terminating in a hook portion, said tongue passing through said aperture in the female tongue and lying flush against the female base portion, and wedge means comprising substantially perpendicular leg portions lying flush against said male and female tongues, one leg portion of said wedge means engaging between the hook portion of one member and the tongue of the other member biasing the latter inwardly against the base portion of the one member, the other leg portion of said wedge means engaging between the hook portion of the other member and the tongue of the one member biasing the latter inwardly against the base portion of the other member.

2. An assembly according to claim 1 wherein said hook portions comprise inturned end portions of the tongue providing an elongated track for the reception of said wedge means.

3. An assembly according to claim 1 wherein the base portion of each of said members is formed with a boss engaging the side edge of the tongue of the other member thereby limiting movement of the tongue relative to said one member.

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