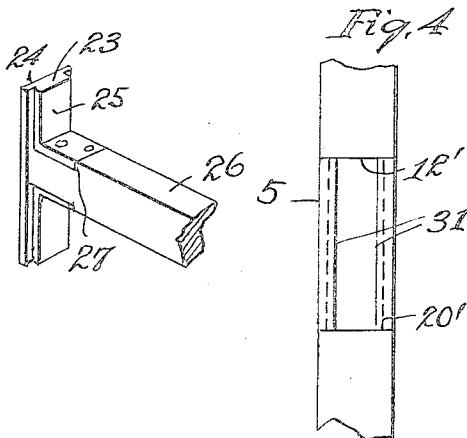
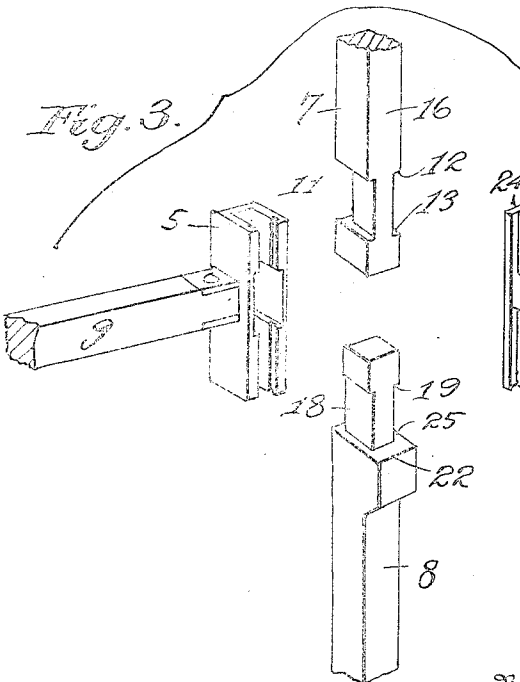
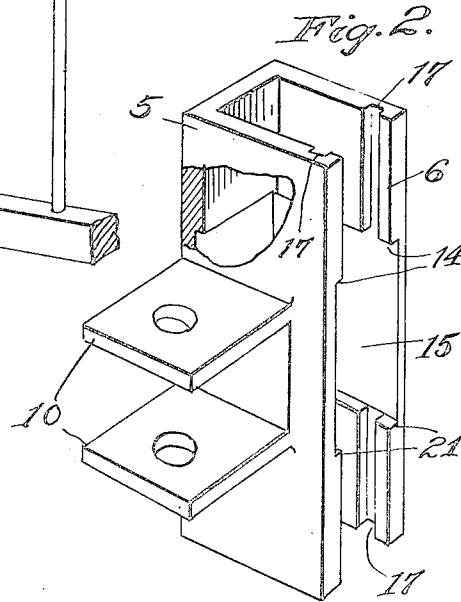
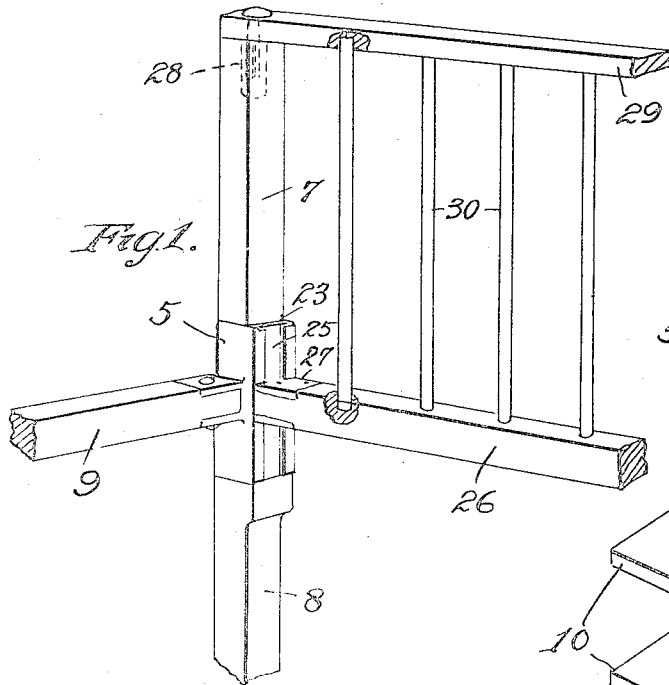


T. A. GELBART.
KNOCKDOWN FURNITURE.
APPLICATION FILED MAR. 8, 1916.

1,225,431.

Patented May 8, 1917.



Inventor
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UNITED STATES PATENT OFFICE.

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KNOCKDOWN FURNITURE.

1,225,431.

Specification of Letters Patent.

Patented May 8, 1917.

Application filed March 8, 1916. Serial No. 82,802.

To all whom it may concern:

Be it known that I, THEOPHILUS A. GELBART, a subject of the King of Great Britain, residing in the borough and county of Bronx, city and State of New York, have invented new and useful Improvements in Knockdown Furniture, of which the following is a specification.

This invention relates to knock down furniture, and it is the object of the invention to provide an improved coupling or connecting member to connect the component parts of a piece of furniture and rigidly maintain said parts in assembled position and also permit of the ready disassembling of the parts, whereby to provide a structure which may be shipped in a compact package and which may be assembled by an unskilled person into a rigid structure and without the use of any securing means, such as screws or the like.

In the drawing accompanying and forming a part of this specification Figure 1 is perspective view of a portion of a bedstead showing an embodiment of my invention applied thereto.

Fig. 2 is a perspective view, partly in section, of the coupling or connecting member.

Fig. 3 is a fragmentary perspective view of the component parts of the structure shown in Fig. 1 disassembled; and

Fig. 4 is a side elevation showing a modification.

Similar characters of reference designate like parts throughout the different views of the drawing.

While I have shown my invention for the purposes of illustration in connection with a bedstead it will be obvious that the invention may be applied with equal facility to other pieces of furniture.

The embodiment of the invention shown in the drawing consists of a tubular member 5, substantially rectangular in cross section with one side open, as at 6, said member 5 being adapted to support and rigidly connecting a part, such as the pillar or post 7 of a bedstead, to extend upwardly, and a part, such as the leg 8 of a bedstead, to extend from the lower end. The part 5 is adapted to carry a component part of a piece of furniture, in the present instance the side rail 9 of a bedstead, when the same is assembled and consists of a pair of per-

forated ears 10 extending laterally between which the rail 9 engages and is fixed thereto permanently by a pin or rivet or screw.

The post 7 and leg 8 are adapted to be inserted into the coupling member 5 through the opening 6 in the side, and to prevent longitudinal displacement of the post section 7 it has a recess 11 extending around three sides to form opposite shoulders 12 and 13, the shoulder 12 when the post is inserted into the coupling abutting against the top of the coupling member 5 so that said three sides of the post will be flush with the sides of the coupling, (Fig. 3) and the shoulder 13 abutting against a shoulder 14 formed by an undercut or recessed portion 15 in the inner wall of the sides of the coupling, as clearly shown in Fig. 2. The post is so proportioned that the side 16 will be flush with the inner side walls of opposite recesses 17 in the coupling 5 for a purpose to be hereinafter described.

The leg 8 is formed with a recess 18 to provide opposite shoulders 19 and 20, the shoulder 20 to abut against the lower end of the coupling 5 and the shoulder 19 to abut against a shoulder 21 formed by the recess 15 in the coupling member. The said leg may also have a shoulder 22 to abut against the lower end of the coupling to be flush with the open side. If desired the post and leg may be constructed of one piece as shown in Fig. 4.

To lock the post and leg sections in the coupling there is provided a locking member 23 of T-shape in cross section adapted to slidably engage in the recesses or guide-ways 17 with the side 24 flush with the post and leg sections, and the outer side 25 constituting a closure for the open side of the coupling. The locking member is fixed to the end of a component part of a piece of furniture, to be carried thereby, shown as comprising a lower transverse rail 26 of the bedstead, and for which purpose the locking member has a pair of laterally extending perforated ears 27 between which the end of the rail 26 engages and is fixed thereto by a rivet or screw engaging in the perforations of the ears. The bottom end of the locking member engages with and may be supported by the shoulder 22 on the leg; or if desired the portions engaging in the recesses 17 may converge or incline inwardly

from the top to the bottom to form a wedge, and the recesses 17 may be formed of a corresponding shape. By this construction it will be readily understood that the recesses 5 17 will serve to support the locking member.

To complete the structure of the bedstead the top of the post has an opening for the engagement of a split resilient member or pin 28 carried at one end of a transverse rail 29 to removably secure said end of the rail to the post. The rails 26 and 29 may have oppositely disposed openings for the engagement of rods 30. It is to be understood that in the complete construction of 15 the bedstead there will of course be the usual four posts and legs carried by the couplings 5 to which the two side rails 9 and the transverse rails 26 are connected, the locking members 23 being connected to the opposite 20 ends of the rail 26.

In the modification shown in Fig. 4 there is shown a structure in which the post and leg sections are of an integral structure having an undercut portion to form shoulders 12' and 20' and a reduced portion 13' 25 to engage in the clamping member 5 so that the outer face of the walls of said member will be flush with the walls of a post and leg, and the post and leg sections are retained within the tubular member by the 30 locking member 24 adapted to also carry a component part of a bedstead or other furniture.

Variations may be resorted to within the 35 scope of my invention.

Having thus described my invention, I claim:

1. A device for releasably connecting the component parts of furniture, comprising a 40 tubular member having a longitudinal opening with opposite transverse shoulders formed in the inner wall to cooperate with shoulders formed on parts adapted to be inserted into the tubular member through 45 the longitudinal opening to prevent endwise displacement of said parts, opposite recesses in the sides of the tubular member adjacent the sides of the opening, and a locking mem-

ber to slidably engage in said recesses, substantially as and for the purpose specified. 50

2. A device for releasably connecting component parts of furniture, comprising a tubular member having a longitudinal opening, opposite transverse shoulders in the inner wall of said member to cooperate with 55 shoulders formed on parts adapted to be inserted into the tubular member through the longitudinal opening to prevent endwise displacement of the parts, and a pair of ears projecting laterally from one side of said 60 member, and a locking member having laterally projecting ears adapted to slidably engage in the opening in the tubular member, substantially as and for the purpose specified. 65

3. A device for releasably connecting component parts of furniture, comprising a rectangular hollow member having one side open with longitudinal recesses in the sides 70 of the opening, opposite transverse shoulders in the inner wall of said member, a pair of ears projecting laterally from one side of said member, and a locking member of T-shape in cross section having a pair of laterally projecting ears to slidably 75 engage in said recess, substantially as and for the purpose specified.

4. A device for releasably connecting component parts of furniture, comprising a tubular member having a longitudinal opening 80 in the side wall communicating with the bore of said member and through which opening a component part or parts of furniture are adapted to be inserted into the tubular member to project from opposite ends, and said 85 tubular member having means exterior thereof for the connection of another part of furniture, and a member having a releasable connection with the tubular member adjacent the opening to close said opening and 90 lock the component part or parts of furniture therein and having means exterior thereof to connect a component part of furniture thereto.

THEOPHILUS A. GELBART.