April 19, 1949. M. GLENN 2,467,664

PEDESTAL SUPPORTED KNOCKDOWN CHAIR

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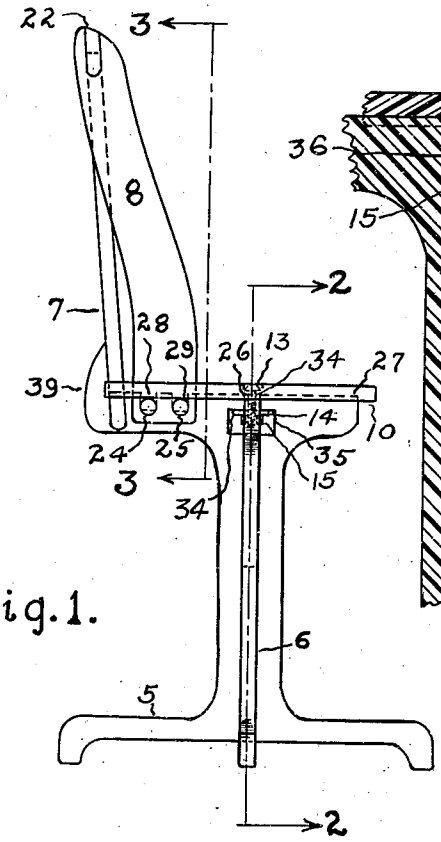


Fig. 1.

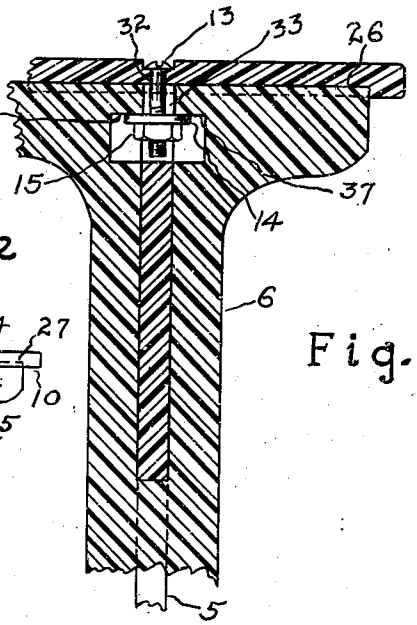


Fig. 2.

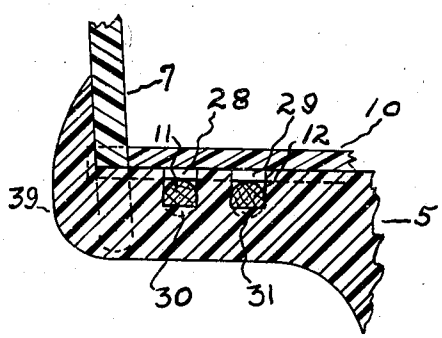
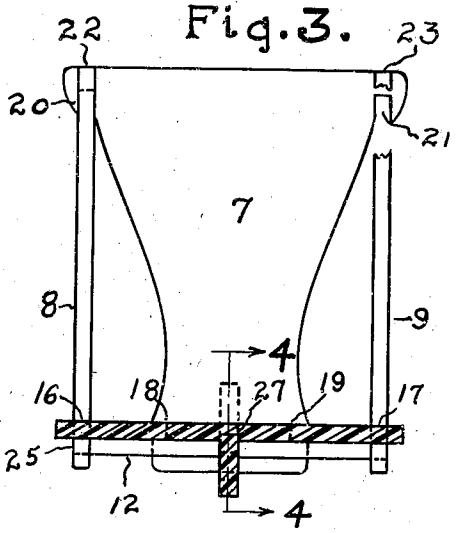


Fig. 4.

Fig. 3.



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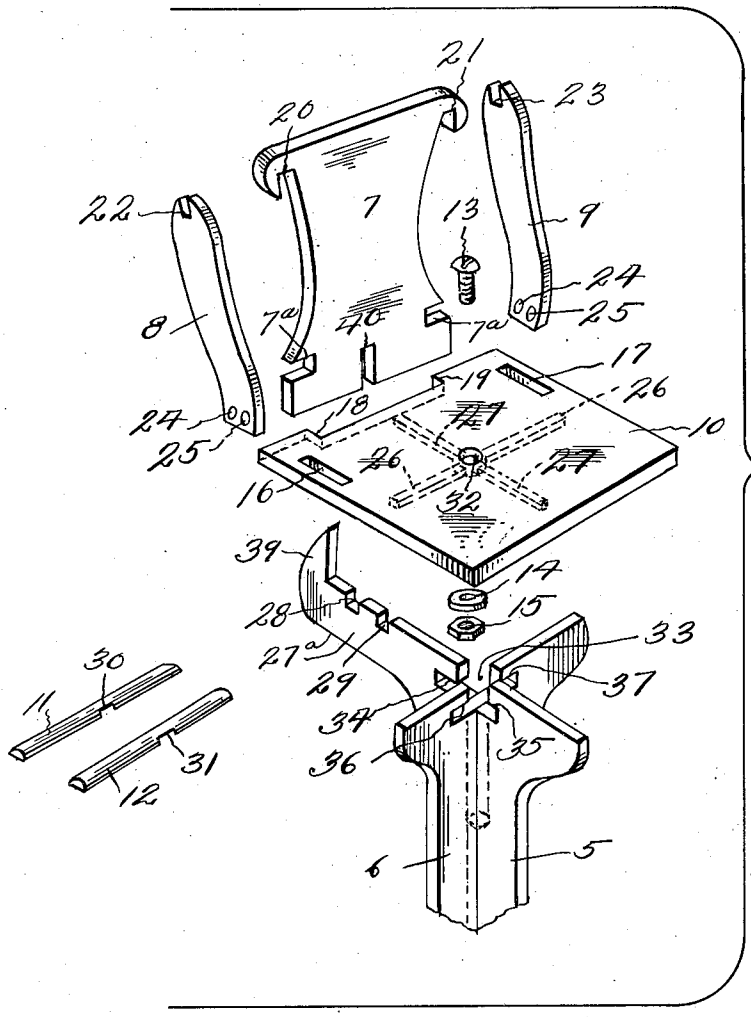


Fig. 5.

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PEDESTAL SUPPORTED KNOCKDOWN CHAIR

Marlow Glenn, Twin Falls, Idaho

Application June 22, 1945, Serial No. 601,045

4 Claims. (Cl. 155—134)

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My invention relates to improvement in furniture construction.

Some of the more important advantages of the device, which is the subject of my invention are: (1) My invention provides means for assembling chairs and other furniture items quickly from their component parts. (2) Furniture items embodying my invention can be quickly dismantled for shipment or storage thus greatly reducing shipping and storage costs. (3) Furniture items embodying my invention can be manufactured readily from plastic materials and plywood. (4) And, furniture items embodying my invention are strong, sturdy, and economical in construction.

One form of the invention is illustrated in the accompanying drawing, in which:

Figure 1 is a side view of a chair constructed in a manner embodying my invention.

Figure 2 is an enlarged sectional view of Fig. 1 taken through 2—2 to show in detail the single connecting means which is an important feature of my invention.

Figure 3 is a view of the back and sides of the chair together with a sectional view of the seat and part of the stand to show the relation of these various pieces to each other.

Figure 4 is an enlarged sectional view of Fig. 3 taken through 4—4 to show in detail additional important interlocking features of my invention.

Figure 5 is a collective detail perspective view of the chair showing the parts in position to be assembled.

In describing my invention in greater detail, reference will be had to the accompanying drawing wherein like characters denote like or corresponding parts throughout the several views.

Referring to the drawings, the chair, which is of a knock-down type, comprises a base or pedestal formed from interengaged member 5 and 6, which base supports a removable back member 7 and side members 8 and 9 interengaging with the upper end of the back member 7, and detachably anchored at their lower ends to the seat 10 at opposite sides thereof. The lower ends of the side members are held in anchored relation by removable pins 11 and 12, and the whole assembly is locked together in chair form by a single bolt 13 extending downwardly through the seat and through a washer 14 held in the upper end of the pedestal, and with which a nut 15, on the bolt, cooperates for rigidly holding the parts together.

The lower ends of the arms 8 and 9 extend downwardly through openings 16 and 17 in opposite sides of the seat 10 and terminate below

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the seat. The lower ends of the arms 8 and 9 are provided with spaced apertures for the reception of transverse removable pins 11 and 12, hence it will be seen that the lower ends of the arms are rigidly anchored to the rear portion of the seat at opposite sides thereof, hence will rigidly support the upper end of the back 7. The rear side of seat 10 is recessed as shown in Figure 5 to form opposite shoulders 18 and 19 for the reception of the lower end of the back 7 and the notches 7a in opposite sides of the lower end of the back, therefore it will be seen there is a positive detachable interlocking of the lower end of the back and rear of the seat. The upper end of the back 7 is provided with recesses 20 and 21 for the reception of the upper bifurcated ends 22 and 23 of the arms 8 and 9. Pins 11 and 12 pass through the spaced apertures 24 and 25 in the portions of the side members 8 and 9 projecting below the seat 10, as clearly shown in Figure 1. Extending in opposite directions from the center of the under side of the seat 10 are channels 26, and extending in cross relation thereto and in a direction from the front to the rear of the under side of the seat are channels 27 for the reception of the upper edges of the crossed interengaged pedestal members 5 and 6. The pedestal member 5, which is in vertical longitudinal relation in the structure, is provided with a rearwardly elongated arm 27a having spaced notches 28 and 29 therein, and which notches are in alinement with the apertures 24 and 25 of side members 8 and 9, so that when the locking pins 11 and 12 are placed in position, or inserted from one side of the structure to the other, they will be received in the notches 28 and 29. Pins 11 and 12 are preferably provided with notches 30 and 31 in their under sides adapted to spring into interengagement with the bottom of the notches 28 and 29 for preventing easy longitudinal displacement of the pins.

Substantially centrally of the seat 10, an aperture 32 is provided for the reception of the bolt 13. Bolt 13 extends downwardly into the upper end of the pedestal and terminates below the entrance passage 33 in the upper end of the pedestal and below the inwardly extending arms 34, 35, 36 and 37 of the crossed pedestal members. Disposed on the bolt 13 is the washer 14, which washer engages the under sides of the arms 34 to 37 inclusive, and the washer is held in close binding engagement with the under side of said arms by the nut 15. It will be seen that when the nut 15 is tightened the seat 10 is securely clamped on the upper edges of the crossed mem-

bers **5** and **6**, and said upper edges are forced into interengagement with the seat and into the channels in the under side of the seat. The outer end of the elongated arm **27***a* terminates in an upwardly extending arm **29**, which arm engages the rear lower side of the back **7**, after the rear end of the arm **21** is in the recess **40** in the lower end of the back, hence it will be seen that the lower end of the back is securely locked between the shoulders **18** and **19** against outward movement. It will be noted that the upper side of the rearwardly extending arm **27***a*, adjacent the member **39**, engages the upper end of the recess **40**.

From the above it will be seen that a knock-down chair is provided which is simple in construction, and held together by a single bolt and two locking pins. It will also be seen that the device can be cheaply manufactured and sold.

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

1. An article of furniture comprising a horizontal seat member, a supporting pedestal beneath said horizontal seat member, said supporting pedestal at its upper end having diverging arms, said diverging arms being separably interconnected to the under side of the horizontal member, a single securing bolt extending through the horizontal seat member and into the upper end of the pedestal for holding the diverging arms separably connected to the under side of the seat member, a back carried by one side of the horizontal seat member and interengaged therewith, brace arms at each side of the back, the upper ends of the brace arms being interengaged with the upper end of the back, the lower ends of the brace arms extending through slots in the horizontal seat member at opposite sides thereof and securing pins extending through the lower ends of the brace arms beneath the horizontal seat member and transversely below the horizontal seat member.

2. An article of furniture comprising a horizontal seat member, a supporting pedestal beneath said horizontal seat member, said supporting pedestal at its upper end having diverging arms, said diverging arms being separately interconnected to the under side of the horizontal seat member, a single securing bolt extending through the horizontal seat member and into the upper end of the pedestal for holding the diverging arms separably connected to the under side of the horizontal seat member, a back carried by one side of the horizontal member, the lower end of the back being interengaged with the adjacent side of the horizontal seat member, brace members at opposite sides of the back, the upper ends of the brace members being interengaged with the upper end of the back, the lower ends of the brace members extending through slots in the horizontal seat member and anchoring pins extending through the lower ends of the brace members below the horizontal seat member and transversely through one of the diverging arms of the pedestal.

3. An article of furniture comprising a horizontal seat member, a supporting pedestal beneath said horizontal seat member, said supporting pedestal at its upper end having diverging arms, said diverging arms being separably interconnected to the under side of the horizontal seat member, a single securing bolt extending through the horizontal seat member and into the upper end of the pedestal for holding the diverging arms separably connected to the under side of the horizontal seat member, the inner ends of the diverging arms being spaced apart and shouldered for the reception of the securing means passing through the horizontal seat member.

4. An article of furniture comprising a horizontal seat member, a supporting pedestal beneath said horizontal seat member, said supporting pedestal at its upper end having diverging arms, said diverging arms being separably interconnected to the under side of the horizontal seat member, a single securing bolt extending through the horizontal seat member and into the upper end of the pedstal for holding the diverging arms separably connected to the under side of the horizontal seat member, a back carried by one side of the horizontal seat member and interconnected therewith, one of the diverging arms extending to the outside of the lower end of the back and through a recess therein and terminating upwardly above the recess in engagement with the outer side of the lower end of the back.

MARLOW GLENN.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
202,505	Ask	Apr. 16, 1878
416,283	Wojidkow	Dec. 3, 1889
515,382	VanKirk et al.	Feb. 27, 1894
521,395	VanNorman	June 12, 1894
1,150,783	McCarthy	Aug. 18, 1915
1,465,980	Gillam	Aug. 28, 1923
1,603,233	Conwell et al.	Oct. 12, 1926
1,715,603	Kamman	June 4, 1929
2,077,770	Provisor	Apr. 20, 1937
2,369,930	Wagner	Feb. 20, 1945