F. P. HOLTZMAN.

KNOCKDOWN FURNITURE.

APPLICATION FILED NOV. 25, 1918.

1,372,072. Patented Mar. 22, 1921.

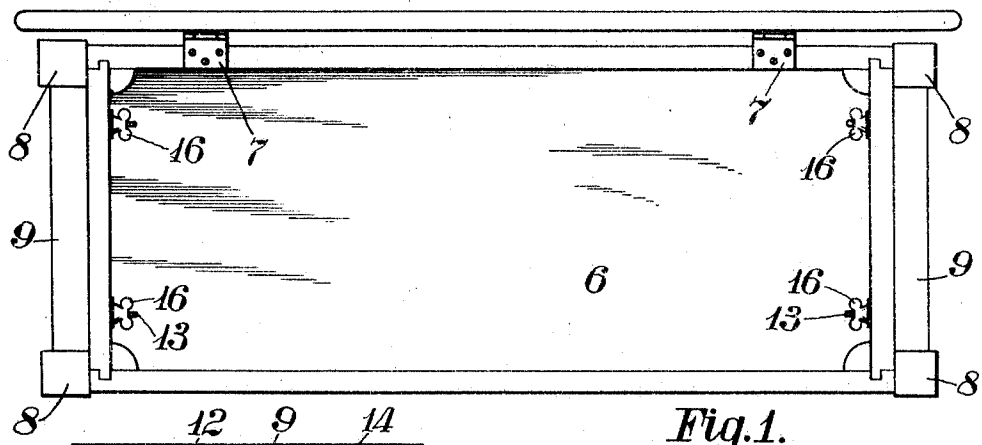


Fig.1.

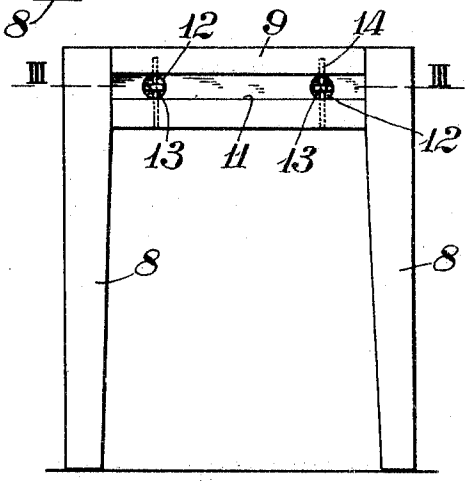


Fig.2.

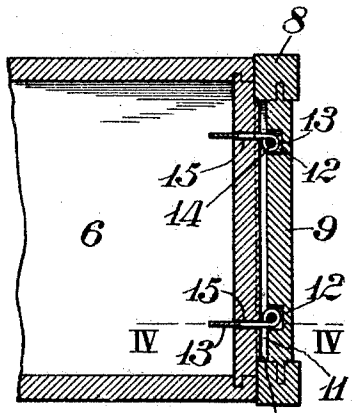


Fig.3.

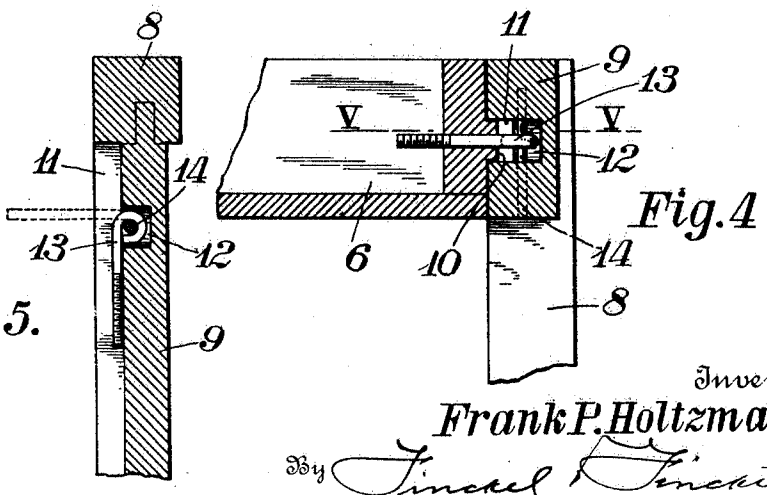


Fig.4

Fig.5.

Inventor

Frank P. Holtzman,

By Finnell & Finnell

his Attorneys

UNITED STATES PATENT OFFICE.

FRANK P. HOLTZMAN, OF COLUMBUS, OHIO.

KNOCKDOWN FURNITURE.

1,372,072. Specification of Letters Patent. Patented Mar. 22, 1921.

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To all whom it may concern:

Be it known that I, FRANK P. HOLTZMAN, a citizen of the United States, residing at Columbus, in the county of Franklin and State of Ohio, have invented a certain new and useful Improvement in Knockdown Furniture, of which the following is a specification.

This invention relates to "knock down" furniture and consists in improved means whereby parts may be easily and quickly assembled and secured together or separated without the use of special tools, and compacted to economize space in storage or shipment.

I have shown the invention as embodied in a combined piano bench or stool and cabinet but the invention can be used in other articles with equal or similar advantages.

In the accompanying drawings—

Figure 1 is a top plan view showing the seat or cover for the cabinet raised.

Fig. 2 is an elevation of the inner side of the leg frame.

Fig. 3 is a horizontal section on the line III—III Fig. 2 of the leg frame applied to the bench but not secured thereto.

Fig. 4 is a vertical sectional detail on a larger scale taken on the line IV—IV, Fig. 3.

Fig. 5 is a similar horizontal sectional detail taken on the line V—V, Fig. 4.

The bench in the present instance includes a box-like portion 6 having hinged thereto at 7, 7, a cover or lid which when turned down upon the portion 6 closes the box and forms the seat of the stool or bench. There are two leg frames—one for each end of the box or bench, and each includes a pair of legs 8 connected by a cross piece 9 at the top. The ends of the box-like portion 6 are provided with a tongue 10 and the cross piece 9 between the legs is provided with a matching groove 11 to fit on the tongue 10. The cross piece 9 is also provided with sockets 12 in the bottom of the groove to receive eyebolts 13, said eyebolts each being secured pivotally and permanently by a pin 14 driven into the cross piece from its lower edge. When the eyebolts are not connected with the cabinet they can be turned down within the groove as shown in Fig. 5.

The ends of the box are each provided with holes 15 through which the threaded portions of the eyebolts are passed and protruded when the leg frames are to be attached to the box; and after such protrusion suitable nuts—preferably "butterfly" or winged nuts, such as shown at 16, Fig. 1, are turned up tightly on the bolts thereby securing the leg frames in place and drawing the groove onto the tongue 10. The tongue and groove connection between the leg frame and box aids in preventing strain and wear and also looseness by reason of the eyebolt connection. With this construction it is a very simple operation either to apply or remove the leg-frames. When the frames are removed the eyebolts can, as before stated, be turned down out of the way in the groove 11, as shown in full lines Fig. 5 and the leg-frames laid flatly against each other and upon the box-like structure. Obviously this makes it possible to store or transport the article in much less space than would be necessary if the leg frames were permanently fastened to the box or cabinet.

The forms of the parts can be changed without departing from the invention as claimed.

What I claim is—

1. In an article of furniture, the combination with a top member and a removable leg member having a tongue and groove connection, said top member provided with a hole, and an eyebolt fastened at one end to the leg member and adapted at its other end to be protruded through said hole and receive a fastening nut.

2. In combination with a top member and removable leg member, the top member having a tongue and a hole and the leg member having a groove to fit on said tongue, said groove provided with a socket in its bottom and an eyebolt pivoted at one end in said socket and adapted to be protruded through said hole to receive a fastening nut on said end.

FRANK P. HOLTZMAN.