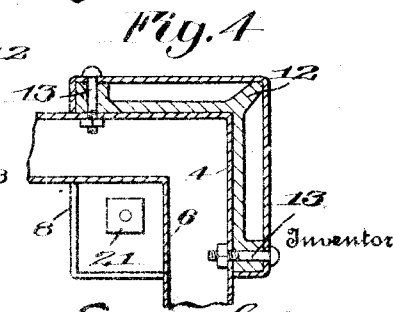
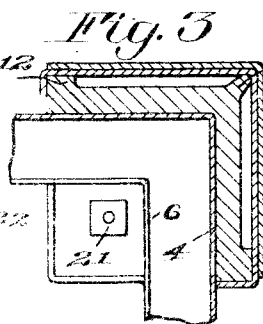
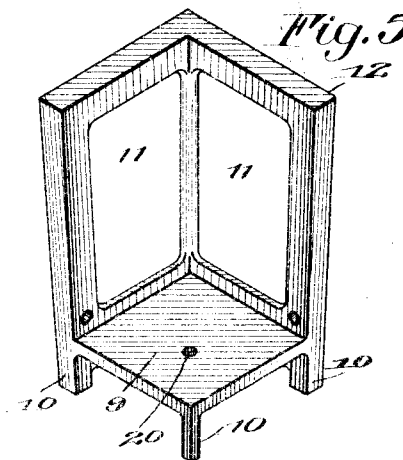
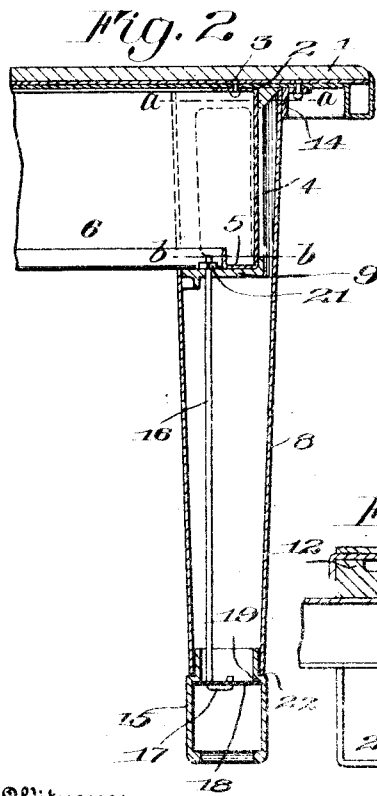
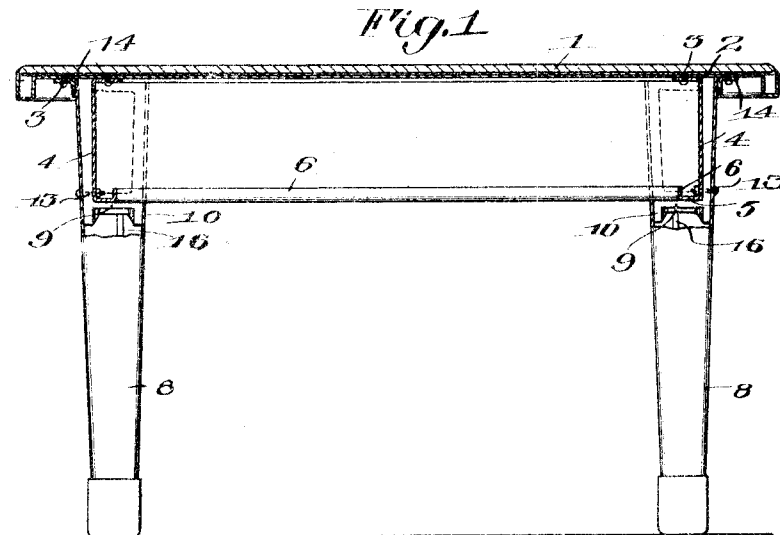


E. OHNSTRAND.
FURNITURE.
APPLICATION FILED MAY 7, 1913.

1,179,955.

Patented Apr. 18, 1916.



Witnesses
Ada M. Whitmore,
Francis Jacobson

By

Enoch Ohnstrand
H. H. Simms
Attorney

UNITED STATES PATENT OFFICE.

ENOCH OHNSTRAND, OF SYRACUSE, NEW YORK, ASSIGNOR TO U. S. STEEL FURNITURE COMPANY, OF SYRACUSE, NEW YORK, A CORPORATION OF NEW YORK.

FURNITURE.

1,179,955.

Specification of Letters Patent.

Patented Apr. 18, 1916.

Application filed May 7, 1913. Serial No. 766,051.

To all whom it may concern:

Be it known that I, ENOCH OHNSTRAND, of Syracuse, in the county of Onondaga and State of New York, have invented a new and useful Improvement in Furniture, which improvement is fully set forth in the following specification and shown in the accompanying drawings.

The present invention relates to furniture and more particularly to the manner of fastening the legs of furniture to the bodies, an object of this invention being to provide a construction which will permit the furniture legs to be made from sheet metal.

To those and other ends the invention consists in certain parts and combinations of parts all of which will be hereinafter described, the novel features being pointed out in the appended claims.

In the drawings: Figure 1 is a vertical section through a table constructed in accordance with the present invention; Fig. 2 is an enlarged vertical section through one of the legs and the parts to which it is secured; Fig. 3 is a section on the line *a-a*, Fig. 2; Fig. 4 is a section on the line *b-b*, Fig. 2; and Fig. 5 is a perspective view of the strengthening member.

The invention is illustrated in a sheet metal table but it is apparent that it is not limited to this use. The table embodies, as would any article of furniture, a body portion which, in this instance, comprises a top 1, of any suitable construction, and a rectangular frame secured to the top, such frame, in this instance, being made of sheet metal and having inwardly-turned flanges 2 along its upper edge riveted at 3 to the top, the lower edge of each side piece 4 of said frame having an inwardly-turned flange 5 formed with an upwardly-turned flange 6 at its outer edge.

The legs are all the same, so a description of one will be sufficient for all. Each may be formed of sheet metal into tubular or hollow form in rectangular cross section, tapering from its upper to its lower end. The upper end of each leg is cut away to provide a recess or pocket for receiving one corner of the rectangular frame of the body. When the frame is in position, it does not fill up the upper ends of the legs by abutting the interior faces of said legs, as it is desired that the legs shall project out beyond the faces of the frame in order to sim-

ulate a wooden construction, the edges of the cut-away portion being the portions which engage the rectangular frame.

It is apparent that the recessing of each leg tends to weaken the same and with the object in view of strengthening this connection, I have herein provided means for connecting the side pieces of the rectangular frame with the inner face of the leg opposite said recess. No broad claim is made to this feature in this application as the subject matter thereof is claimed in my application for Patent #731,534 filed on the 13th day of November, 1912. This application being another embodiment of the invention claimed in my application aforesaid. In this instance, there is provided a filling piece for the upper end of the leg, this filling piece being in one rigid and preferably integral structure and conforming generally to the space between the side pieces of the body and the inner faces of the leg, a portion of said filling piece projecting downwardly into the leg below the recessed portion in order to obtain bearing below said recessed portion, thus giving great strength to the structure. As illustrated, this filling piece embodies a base member 9 serving as a rest or support for the underside of the side pieces 4 and having extensions 10 at three corners thereof to give sufficient bearing below the recess of the leg. Projecting upwardly from the base 9 is a frame of angular construction cut away at 11 to lighten the construction of the same and ribbed at 12, along its two sides, corner and upper edge to abut the inner face of the leg opposite the recess and particularly in the corners thereof. The side pieces 4 are preferably bolted to this filler near their lower edges as at 13, while the upper end of the leg and the filler lie between the side pieces and an angle piece or shoulder 14 secured to the under side of the top in spaced relation to the outer face of the side pieces. This filler and a foot piece 15, fitted in the lower end of the hollow leg 8, are tied together by a tie rod 16 which is bent into a hook 17 interlocked at one end with a plate 18 abutting an internal shoulder 19 within the hollow foot piece 15, its other end being passed through an opening 20 in the base member 9 and engaged by a nut 21. It is apparent that by tying both the filler and the foot piece together, the filler is held

tightly to the internal walls of the leg while the shoulder 22 surrounding the foot piece is held in firm engagement with the lower end of the leg.

5 Furniture constructed in accordance with this invention has a very strong and durable sheet metal leg, and the leg has the appearance of a wooden structure, yet it is much stronger than the latter.

10 What I claim as my invention and desire to secure by Letters Patent is:

1. In furniture, the combination with a hollow sheet metal leg having a recess at its upper end, of a rigid frame fitted in said 15 leg and having an abutment with the inner wall of the latter below the recess and abutment with said inner wall opposite the recess, said frame having a seat, and a body having angularly arranged outer faces abutting the frame and the lower portions resting upon said seat.

2. In furniture, the combination with a hollow metal leg having a recess at its upper end, of a rigid frame embodying a base 25 fitting in said leg below the recess and a portion projecting upwardly from the base and abutting the inner wall of the leg opposite the recess, and a body resting upon the base and having angularly arranged outer faces abutting the upwardly projecting portion.

3. In furniture, a sheet metal leg of rectangular cross section having one corner recessed at its upper end, a frame having a 35 portion fitting within the leg below the recess and an angular portion abutting the inner face of the leg opposite the recess and a body resting upon the portion of the frame below the recess and having angularly arranged outer faces abutting the angular portion of the frame above the recess.

4. In furniture, the combination with a

furniture body having a pair of angularly arranged sides, of a hollow sheet metal leg for supporting said body, said leg being recessed at its upper end and having the corner 45 formed by the two side pieces arranged in said recess, and a filling piece arranged between the outer faces of the side pieces and the inner wall of the hollow leg, said filling piece having abutment with the inner 50 wall of the leg below the recess with the inner wall of the leg above the recess, with the under faces of the side pieces and with the outer faces of said side pieces. 55

5. In furniture, the combination with a furniture body having a pair of angularly arranged side pieces, of a hollow sheet metal leg for supporting said body, said leg being recessed at its upper end and having the 60 corner formed by the side pieces fitted in the recess, and a filling piece having a base fitting within the leg below the recess and bearing against the side pieces and a portion projecting upwardly from the base and abutting the outer faces of the side pieces and the 65 inner face of the leg opposite the recess.

6. In furniture, the combination with a hollow sheet metal leg tapering toward its lower end and having a recess near its upper 70 end, a filling and strengthening piece having a portion fitting within the leg below the recess and a portion projecting upwardly from said first named portion and abutting the inner face of the leg opposite the recess, a 75 rod secured at one end to the filling and strengthening piece, and means for anchoring the other end of the rod to the leg below the said filling and strengthening piece.

ENOCH OHNSTRAND.

Witnesses:

HAROLD H. SIMMS,
GEORGE W. COOPER.