No. 705,488. Patented July 22, 1902.

J. F. L. UHL.

CONSTRUCTION OF METAL FURNITURE.

(Application filed May 5, 1902.)

(No Model.)

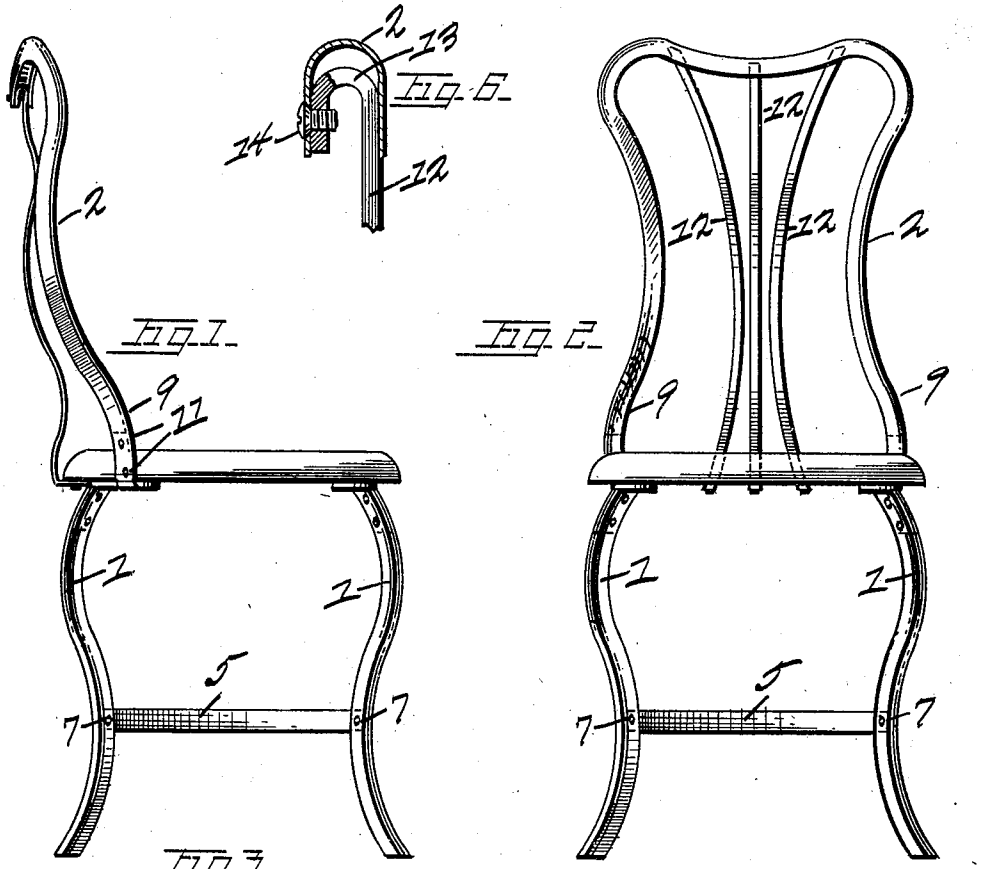


Fig. 6.

Fig. 1.

Fig. 2.

Fig. 3.

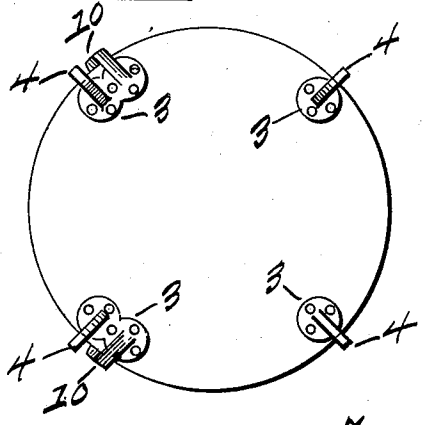
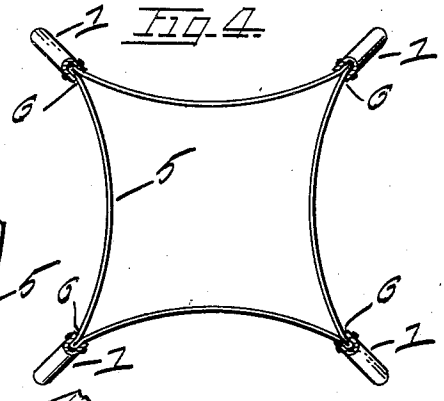


Fig. 4.



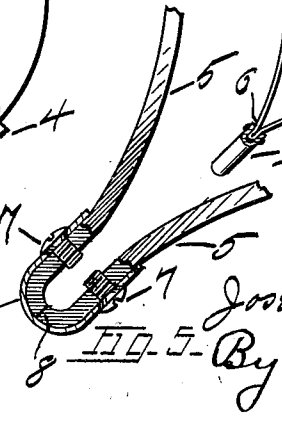


Fig. 5.

WITNESSES.

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CONSTRUCTION OF METAL FURNITURE.

SPECIFICATION forming part of Letters Patent No. 705,488, dated July 22, 1902.

Application filed May 5, 1902. Serial No. 105,879. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH F. L. UHL, a citizen of the United States, residing at Toledo, in the county of Lucas and State of Ohio, have invented certain new and useful Improvements in Construction of Metal Furniture; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention has reference to a new and improved construction for metal furniture, by means of which I am enabled to produce metal furniture of great strength and attractiveness. Furniture embodying my improved construction is particularly desirable from a sanitary standpoint, since the same is easily kept clean, and when in use for an extended period the same may be taken apart and refinished, being then in every respect new.

In carrying out my invention I employ the novel construction and the arrangement hereinafter shown, described, and claimed.

In the accompanying drawings, Figure 1 is a side elevation of a chair embodying my improved construction. Fig. 2 is front elevation of the same. Fig. 3 is plan view showing the bottom of the chair-seat. Fig. 4 is a transverse section through the leg-standards of the chair, showing the brace in position within the same. Fig. 5 is an enlarged detail showing the construction for bracing the leg-standards. Fig. 6 is also an enlarged detail showing the construction for securing the upper ends of the metal straps 12 to the section forming the chair-back.

In carrying out my improved construction I employ metal sections having a substantially U-shaped cross-section, from which are formed the chair-legs 1 and also the chair-back 2. These U-shaped sections may be formed out of any suitable metal; but I prefer to employ sheet-steel for this purpose. The leg-standards 1 may be bent to any suitable shape, and the upper ends thereof are secured to castings 3, provided with lugs 4, adapted to fit the interior of the U-shaped metal sections. These castings are secured to the bottom of the chair-seat by being screwed thereto; but the same may be otherwise secured. The chair-seat may be formed of either wood or metal.

5 is a brace formed from a single piece of strap metal, preferably of steel, the same being bent upon itself at points 6 to enter the U-shaped leg-standards, being secured by screws 7 passing through the standards. The ends of the brace meet within one of the leg-standards, as shown at 8, Fig. 5. In this manner an extremely simple, neat, and rigid construction is provided.

The chair-back 2 is formed from a single section of the U-shaped material, and the ends 9 of the same are secured to the castings 3 on the rear side of the chair-seat, the same being provided with lugs 10, adapted to fit the inside of the back-section 2, being secured by screws 11.

12 represents metal straps the lower ends of which are secured to the seat-section of the chair in any suitable manner, the means shown being screws which pass through perforations in the straps and enter the chair-seat. The upper ends of the straps 12 are formed with a return-bend 13, and the same is adapted to fit within the U-shaped section forming the back, being held in position by screws, one of them being indicated at 14.

Although I have illustrated my improved construction with reference to a chair, it is apparent that the same may be employed in all kinds of furniture having a table-section corresponding to the chair-seat and standards for supporting the same.

It is obvious that an article of furniture embodying the construction herein described will be comparatively light in weight, considering the nature of the material employed in its construction, and that the same will combine maximum strength with minimum weight. The advantage from a sanitary standpoint is also obvious. The metal sections may be variously finished to make the same exceedingly attractive, and the same may be refinished from time to time, being easily taken apart for this purpose.

Having described my invention, what I claim, and desire to secure by Letters Patent, is—

1. The improvement in the construction of metal furniture, comprising a table-section,

metal standards having a U-shaped cross-section for supporting the table-section, a brace formed from a single length of strap metal bent at suitable points to fit the interior of the U-shaped standards, the ends of the strap forming the brace meeting in one of the standards, and screws for securing the brace in position between the standards.

2. The herein-described improvement in the construction of metal furniture, comprising a table-section, castings secured upon the table-section, provided with downwardly-extending lugs adapted to fit within the standards, the sheet-metal standards having a U-shaped cross-section for supporting the table-section, a brace for the standards formed from a single piece of strap metal bent at suitable points to fit the interior of the standards, the ends of the strap meeting in one of the standards, and screws for securing the lugs and the brace in their respective positions, as set forth.

3. A chair having a seat-section, castings provided upon the bottom thereof, sheet-metal standards having a U-shaped cross-section secured at their upper ends to the castings, a sheet-metal chair-back having a U-shaped cross-section, secured at its ends to two of the castings upon the chair-seat, a brace formed from a single piece of strap metal bent at suitable points to fit within the U-shaped standards, screws for securing the back and the standards to the castings and also the brace within the standards, and metal straps secured at their lower ends to the chair-seat and provided with a return-bend at their upper ends to fit within the U-shaped back, and screws for securing the straps to the back-section, as described.

In testimony whereof I hereunto affix my signature in presence of two witnesses.

JOSEPH F. L. UHL.

Witnesses:
CARL H. KELLER,
CHAS. C. DEFENBAUGH.