No. 887,150. PATENTED MAY 12, 1908.

W. H. THOMSON.

WIRE FURNITURE.

APPLICATION FILED AUG. 15, 1907.

Fig. 1.

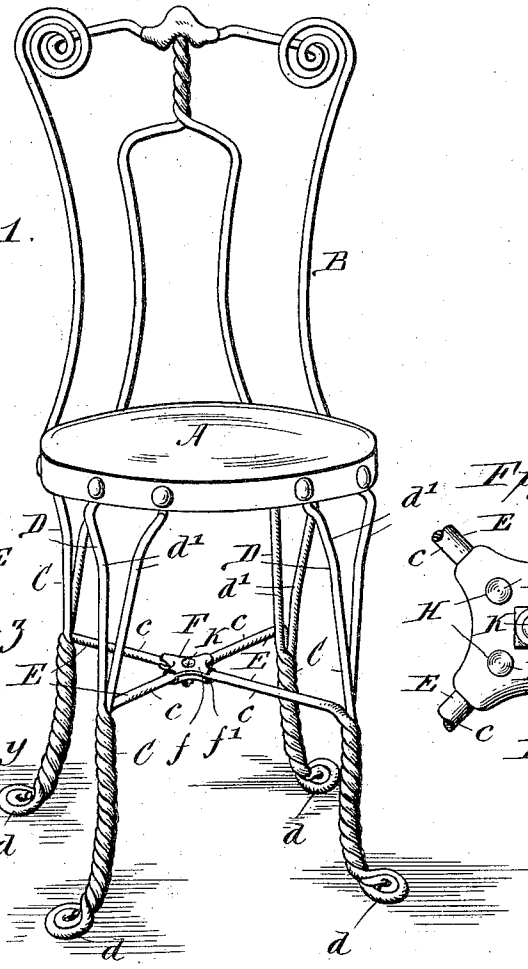


Fig. 2.

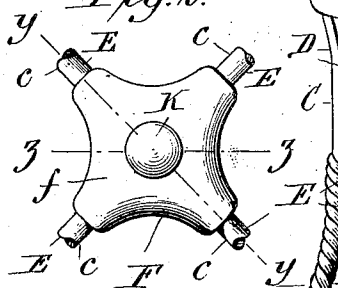


Fig. 3.

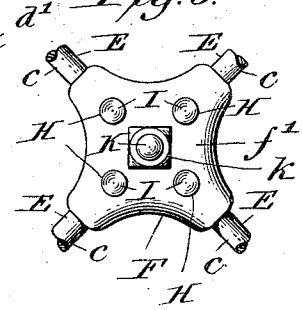


Fig. 4.

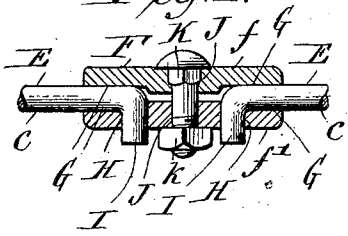
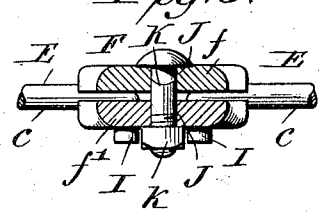


Fig. 5.



Witnesses:
Harry D. Rapp.
Christ Feinle.

William H. Thomson, Inventor.
By Emil Neuhart
Attorney.

THE NORRIS PETERS CO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

WILLIAM H. THOMSON, OF BUFFALO, NEW YORK.

WIRE FURNITURE.

No. 887,150. Specification of Letters Patent. Patented May 12, 1908.

Application filed August 15, 1907. Serial No. 388,705.

To all whom it may concern:

Be it known that I, WILLIAM H. THOMSON, a citizen of the United States, residing at Buffalo, in the county of Erie and State of New York, have invented certain new and useful Improvements in Wire Furniture, of which the following is a specification.

My invention relates to improvements in wire-furniture, and particularly to such as have wire supporting-legs, including chairs, stools, tables and similar articles of furniture.

The object of my invention is to provide a simple and inexpensive center-clamp for the brace-arms of the supporting-legs which will effectively secure said brace-arms together and prevent outward deflection of the supporting-legs.

The invention consists in the construction, arrangement and combination of parts to be hereinafter described and particularly pointed out in the appended claims.

In the drawings,—Figure 1 is a perspective view of a chair embodying my invention. Fig. 2 is a top plan view of a clamp for connecting the brace-arms of the supporting-legs. Fig. 3 is an inverted view of said clamp. Fig. 4 is a section taken on line *y*—*y*, of Fig. 2. Fig. 5 is a section taken on line *z*—*z*, of Fig. 2.

Referring to the drawings in detail, like letters of reference refer to like parts in the several figures.

A represents a chair-seat, B the wire-back secured to said seat, and C the supporting-legs having brace-arms *c*. Each of the supporting-legs is formed of two pieces of wire D and E; the wire D being bent at a point midway between its ends into the form of an eye *d* which serves as a chair foot, and starting at a point directly above said eye to a point about midlength between the ends of the leg, the two pieces of wire are twisted, at which latter point they separate; the wire D diverging upwardly into two strands d^1 and being secured to the chair-seat, and the wire E being directed inward to form the brace-arms *c*. The brace-arms of the several supporting-legs are directed to a common center where they are connected by a clamp F. Said clamp comprises two members *f*, f^1, preferably formed of cast metal and having radial coöperating grooves G on their opposed faces, and the lower of said members having apertures H at the inner ends of said grooves. The brace-arms are bent at a right-angle at their inner extremities, as at I, and said bent ends are passed through the apertures H, as best shown in Fig. 4. Both members of the clamp have bolt-holes J, arranged centrally thereof, through which a bolt K is passed; a nut *k* being applied to the projecting threaded end thereof.

Having thus described my invention, what I claim is,—

1. In an article of furniture having supporting-legs, the combination of a plurality of legs, brace-arms directed inwardly from said legs to a central point and having their inner ends bent at a right-angle, and a clamp comprising two members having coöperating grooves which receive the brace-arms and one of said members having apertures at the inner ends of its grooves through which the bent ends of said brace-arms are passed, and a bolt clamping said members together.

2. In an article of furniture having supporting-legs, the combination of a plurality of legs, each formed of wire and having inwardly directed brace-arms leading to a central point, the inner ends of said arms being bent at a right-angle, a clamp comprising two castings having coöperating grooves in which the inner ends of said brace-arms are clamped and coinciding bolt-holes, one of said members having apertures at the inner ends of its grooves through which the bent ends of said brace-arms are passed, a bolt passing through said coinciding bolt-holes, and a nut applied to the threaded end of said bolt.

In testimony whereof, I have affixed my signature in the presence of two subscribing witnesses.

WILLIAM H. THOMSON.

Witnesses:

MABEL HEWITT,

HARRY D. RAPP.