No. 793,783. PATENTED JULY 4, 1905.

L. F. GRISWOLD.

ARTICLE OF WIRE FURNITURE.

APPLICATION FILED MAY 27, 1904.

Fig. 1.

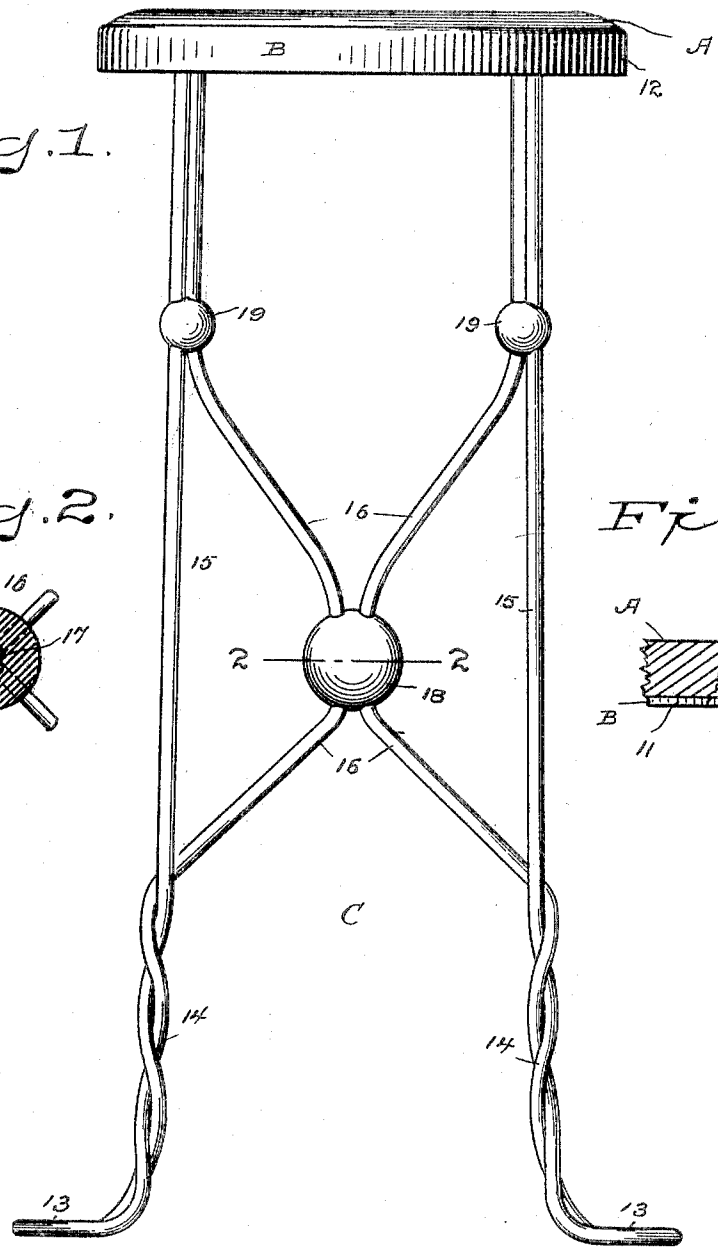



Fig. 2.

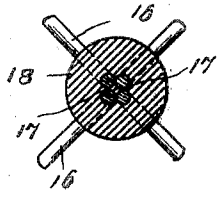
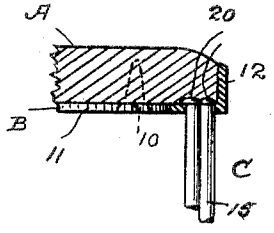



Fig. 3.




WITNESSES.

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By A. M. Wooster, Atty.

PHOTO-LITHOGRAPHED BY SACKETT & WILHELMS LITHO. & PTG. CO. NEW YORK.

No. 793,783. Patented July 4, 1905.

# UNITED STATES PATENT OFFICE.

LEWIS F. GRISWOLD, OF MERIDEN, CONNECTICUT, ASSIGNOR TO THE CHARLES PARKER COMPANY, OF MERIDEN, CONNECTICUT, A CORPORATION OF CONNECTICUT.

## ARTICLE OF WIRE FURNITURE.

SPECIFICATION forming part of Letters Patent No. 793,783, dated July 4, 1905.

Application filed May 27, 1904. Serial No. 210,064.

*To all whom it may concern:*

Be it known that I, LEWIS F. GRISWOLD, a citizen of the United States, residing at Meriden, county of New Haven, State of Connecticut, have invented a new and useful Article of Wire Furniture, of which the following is a specification.

My invention relates to the manufacture of wire furniture—such as chairs, stools, tables, &c.—and has for its object to produce articles of furniture of this class which shall be so strongly braced and put together as to enable them to withstand the hardest kind of hard usage in ordinary service without injury and which shall, furthermore, be so put together as to reduce the cost of construction to the minimum, owing to the fact that the fewest possible number of parts are used. The stock is so disposed as to give the greatest possible strength in resisting all kinds of strain, and the method of assembling the parts and securing them together is simplified in every way possible.

With these and other objects in view I have devised the simple and novel article of wire furniture which I will now describe, referring to the accompanying drawings, forming a part of this specification, and using reference characters to indicate the several parts.

Figure 1 is an elevation of a wire stool embodying the principle of my invention; Fig. 2, a detail sectional view on the line 2 2 in Fig. 1; and Fig. 3 is a detail sectional view of the top and the angle-ring, showing the manner in which the top and the legs are secured to the angle-ring.

A denotes the top or seat, B the angle-ring, and C the legs. The top or seat is ordinarily made of wood and is secured to the angle-ring by screws 10, (see dotted lines, Fig. 3,) which extend upward through the base of the angle-ring, which is specifically indicated by 11, and into the wood of the top or seat. The flange of the angle-ring is indicated by 12 and incloses the top or seat closely, as indicated in Figs. 1 and 3. The legs are formed from blanks of wire. Each leg comprises a foot 13, which consists of a loop formed slightly at one side of the mid-length of a blank cut to the required length to form a leg. The loop of wire, which I have termed the "foot," is bent outward to lie parallel with the top or seat and to rest upon the floor. Above the foot the strands of the blank are twisted tightly, as at 14, thereby locking the strands firmly together. Above the twist one strand, which I have specifically indicated by 15, extends straight upward. The other strand, which I have specifically indicated by 16, is bent inward and upward obliquely to a point directly beneath the center of the top or seat and approximately midway between the feet and the top.

In the present instance I have illustrated a four-legged stool as an embodiment of the invention. It should be understood, however, that the invention is by no means limited to the special style or design of the article of furniture illustrated.

The four strands 16 of the four legs converge and contact with each other at the extreme of the inward bend, as at 17, (see Fig. 2,) and are firmly locked together by molding about them at their point of contact a slug of metal, which I have indicated by 18. This slug of metal may be molded to spherical form, as indicated in the drawings, or to any other desired ornamental form. Above the contact-points the strands 16 diverge and extend outward again, and each strand 16 contacts again with its corresponding strand 15, the two strands 15 and 16 of each leg being locked together at the point of contact by a slug 19 of metal, which is molded about them. Above slug 19 the two strands extend upward parallel with each other, pass through holes to receive them in the angle-ring, and are headed down upon the upper side of the base of the angle-ring, as at 20.

Having thus described my invention, I claim—

An article of wire furniture comprising a top, an angle-ring to which said top is secured, legs, each comprising a foot formed from a loop of wire at one side of the mid-length of

a wire blank, a twist of the strands above said foot, one strand of each blank being bulged to form a contact portion, said latter strand extending parallel with and abutting said former strand above said bulged portion, the ends of said strands being riveted to said angle-ring, a slug of molded metal locking the abutting bulged portions together, and similar slugs of molded metal locking the abutting parallel strands of each leg together.

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

LEWIS F. GRISWOLD.

Witnesses:
O. W. GAINES,
C. C. POWERS.