

No. 841,715.

PATENTED JAN. 22, 1907.

W. L. PLAYMAN.
CHAIR LEG FASTENER.
APPLICATION FILED JULY 20, 1905.

FIG. 1

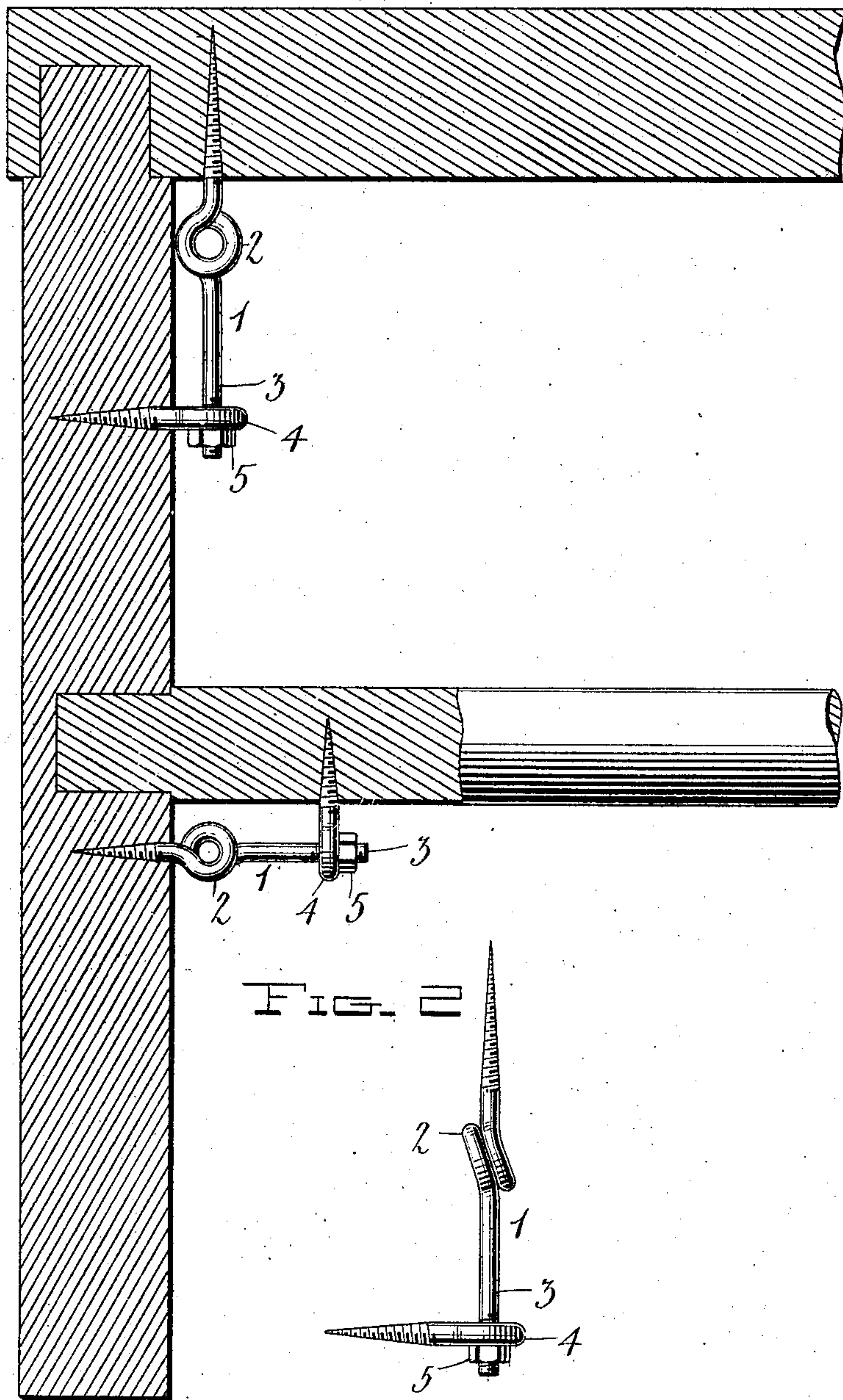


FIG. 2

Witnesses
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CHAIR-LEG FASTENER.

No. 841,715.

Specification of Letters Patent.

Patented Jan. 22, 1907.

Application filed July 20, 1905. Serial No. 270,522.

To all whom it may concern:

Be it known that I, WILLIAM L. PLAYMAN, a citizen of the United States, residing at Stevens Point, in the county of Portage and State of Wisconsin, have invented certain new and useful Improvements in Chair-Leg Fasteners; and I do 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.

This invention relates to chair-leg fasteners.

The object of the invention is to provide a fastener for this purpose which when secured in position shall not only be thoroughly effective for holding the parts to which it is applied against loosening or separating from long-continued use, but which shall by reason of the peculiarity of its construction be prevented itself from becoming detached from the chair or other object to which it is secured.

With the above and other objects in view, as will appear as the nature of the invention is better understood, the same consists in the novel construction of parts of a chair-leg fastener, as will be hereinafter fully described and claimed.

In the accompanying drawings, forming a part of this specification, and in which like characters of reference indicate corresponding parts, Figure 1 is a view in elevation, partly in section, of a portion of a chair exhibiting the application of the device in holding a chair-leg and a round combined, respectively, with a seat and one of the legs; and Fig. 2 is a detail view in elevation of the fastener.

The fastener embodies a tension member 1 and a draft-resisting member 4. The tension member has its intermediate portion bent into a plurality of coils 2, constituting draft-exerting elements, the terminals of which are respectively bolt and gimlet threaded. The coils 2 are disposed obliquely relatively to the long diameter of the member to cause the terminals to aline, so that when the member is being secured in position draft will be in a straight line and lateral strain on the gimlet-pointed terminal, which might tend to bend or break it, is thereby prevented.

The member 4 is, in effect, a screw-eye, through the eye of which the bolt-threaded terminal 3 of the tension member projects and has combined with it a nut 5, that is de-

signed to bear against the eye when the fastener is positioned. As will be apparent, the member 4 will resist the draft of the member 1 when the nut 5 is turned to secure the last-mentioned member in place, and this resistance will cause the coils to contract, and thus not only exert a constant draft on the part of the chair to which the member 1 is attached, and thus secure the effective assemblage of the parts of the chair, but will also operate to prevent the nut from working loose, thereby materially enhancing the utility of the fastener.

In applying the fastener to a chair to secure the legs in position the member 4 is first screwed into a leg near its upper end, and the bolt-threaded end of the member 1 is then inserted through the eye and the gimlet-pointed end of the member 1 is then screwed into the under side of the chair-seat frame. The nut 5 is now screwed onto the terminal 3 of the member 1 and by bearing against the member 4, cause the coils 2 to contract, thereby establishing a condition of strain, as above pointed out, which will not only result in holding the members of the chair-frame assembled, but will also positively lock the nut against accidental separation from the tension member.

In securing the round of a chair to a leg the member 4 is first screwed into the under side of the round, after which the bolt-threaded end of the tension member is inserted through the eye of the member 4, and its gimlet-pointed end is screwed into the chair-leg. The nut is then positioned and secures the functions above defined.

It will be seen from the foregoing description that although the device herein shown and described is simple in character it will be thoroughly effective for the purpose designed and may readily and cheaply be applied to a chair already constructed the joints of which have become loosened or weakened.

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

A fastener of the class described comprising a tension member having its intermediate portion bent into a plurality of coils constituting draft-exerting elements and its terminals provided, respectively, with bolt and gimlet threads, an eyed draft-resisting member through which the bolt-threaded terminal of the member projects, and a nut to engage

the bolt-threads and bear against the draft-resisting member, whereby to contract the said coils and thus cause them to exert a draft on the object to which the member is
5 attached and also to lock the nut against loosening.

In testimony whereof I have hereunto set

my hand in presence of two subscribing witnesses.

WILLIAM L. PLAYMAN.

Witnesses:

JULIAN BOROWSKI,
G. L. PARK.