

M. D. BELL.
FASTENING DEVICE FOR CHAIR PARTS.
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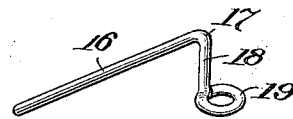
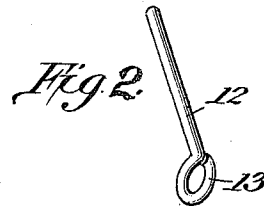
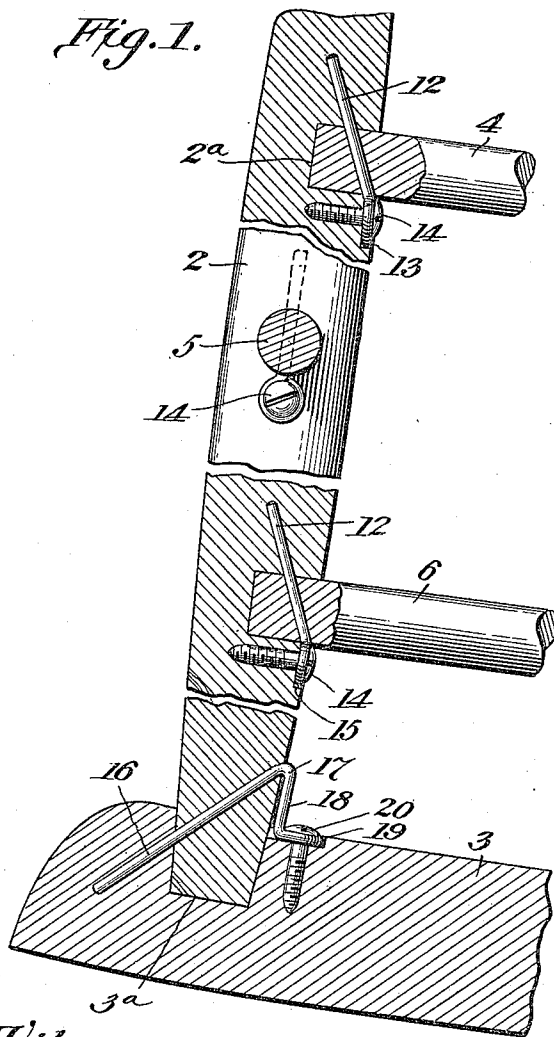


Fig. 3.

Witnesses:
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UNITED STATES PATENT OFFICE.

MARGARET D. BELL, OF TOPEKA, KANSAS.

FASTENING DEVICE FOR CHAIR PARTS.

962,613.

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To all whom it may concern:

Be it known that I, MARGARET D. BELL, a citizen of the United States, residing at Topeka, in the county of Shawnee and State of Kansas, have invented certain new and useful Improvements in Fastening Devices for Chair Parts, of which the following is a specification.

My invention relates to fastening devices, and more particularly to fastening devices for the legs, rounds, etc., of chairs and the like.

As is well known, great annoyance is caused by the parts of chairs becoming loosened after being used a short time, and frequently the separation of some of the parts results in breakage of others, and hence, in the destruction of the chair.

It is the primary object of the present invention, therefore, to provide a fastening device, which, when applied to the legs and rounds of chairs, will positively and effectively secure them in position, and will withstand indefinitely all the ordinary stresses to which furniture is subjected.

A further object of the invention is to provide a fastening device which may be readily applied to all the existing makes of chairs, without the necessity for the employment of skilled labor.

A further object of the invention is to provide a fastening device of the above character, which will not disfigure the furniture to which it is applied, but which will be practically invisible.

With the above and other objects in view, my invention consists in the construction and arrangement of parts hereinafter described and illustrated in the accompanying drawings, in which:—

Figure 1 is a sectional elevation of a leg of a chair, and fragments of the rocker and rounds. Fig. 2 is a perspective view of one form of my improved fastening device. Fig. 3 is a perspective view of another form of fastening device.

Referring to the drawings in detail: 2 designates a chair leg, and 3 a rocker, the said parts being assembled in the usual manner.

4, 5 and 6 designate the usual rounds which extend from one leg to another.

In order to secure the ends of the rounds in the sockets 2^a in the leg, I provide the fastening means shown in Fig. 2. By reference to this figure, it will be seen that the

device comprises a straight, uniform shank portion 12, provided at one end with an eyelet 13, arranged at a sharp angle thereto. In applying this device to the chair a suitable sized hole is punched or drilled at an angle through the end of the round and into the leg adjacent the socket. The shank 12 of the fastening device is then inserted in this hole in such a way that it passes through the end of the round and has its end embedded in the leg, thus locking the two parts securely together. The head or eyelet 13 preferably lies in the recess 15 formed in the leg, and is secured in position by means of a screw 14 set into the leg.

In order to secure the lower end of the leg into the socket 3^a, formed in the rocker, I provide the form of fastening device shown in Fig. 3. This device comprises a straight, uniform shank portion 16 bent sharply as at 17 so as to form the intermediate portion 18, which portion, at its end, carries eyelet 19, which lies substantially at right angles thereto. As clearly shown in Fig. 1 the shank portion 16 is adapted to extend through the end of the leg where it is fitted into the socket, and to project beyond said leg so as to embed itself in the rocker. The intermediate portion 18 is of such length as to extend from the bend 17 where the shank emerges from the leg, to the upper surface of the rocker against which the eyelet 19 abuts, which eyelet is preferably seated in a recess as shown. The screw 20 passes through the eyelet 19 into the rocker, and thus maintains the parts in position.

While I have shown the various species of fastening devices as applied to particular parts of a chair structure, it will be evident that their positions may in many cases be interchanged. For example, the fastening device shown in Fig. 3 may readily be applied in the same manner as that shown in Fig. 2 for securing the round to the leg. It may also be employed for holding the leg in position in the seat. It will be borne in mind, therefore, that the arrangement shown in the drawing is merely illustrative, and is not to be construed in any sense as a limitation.

While I have shown and described my improved fastening devices as applied to chairs, it is evident that they are not limited to such use, as they may be readily employed for uniting any other separable parts of a similar character.

It will be observed that each of the various forms of fastener shown in the drawings is made of a single piece of wire, suitably bent. In this way a cheap, strong and simple article is produced.

It will thus be seen that I have provided a very simple and efficient fastening device, which may be applied to chairs and the like, either during the process of manufacture, or at any time subsequent thereto, and it is thought that the numerous advantages of my invention will be readily appreciated by those skilled in the art.

What I claim is:—

1. The combination with a part having a socket, and another part having its end fitted in said socket, of a fastening device secured to one of said parts, and having a shank portion passing through the end of the second of said parts, and embedded in said first part, adjacent the socket.

2. The combination with a part having a socket, and another part fitted within said socket, of a fastening device having a shank portion passing through the second part into said first of said parts, and provided at its ends with an eyelet through which passes a screw into one of the parts.

3. The combination with a part having a socket, and a second part fitted in said socket, of a fastening device having a shank passing through said second part and embedded in said first part, said shank being provided with an eyelet disposed at an angle thereto, through which passes a securing means into said first part.

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

MARGARET D. BELL.

Witnesses:

JENNIE COURTER,
G. F. MILLER.