

R. H. OBER.

Chair-Spring Attachment.

No. 165,684.

Patented July 20, 1875.

FIG. 1.

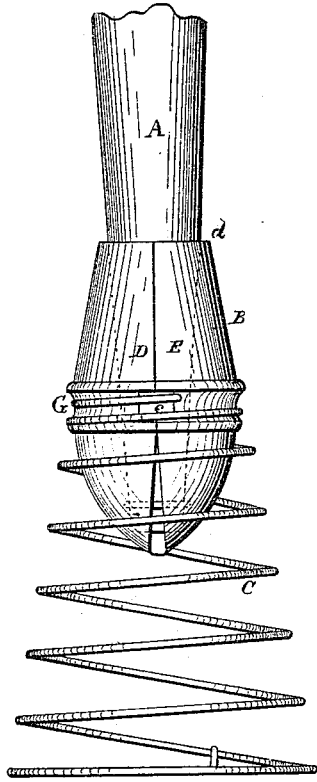


FIG. 2.

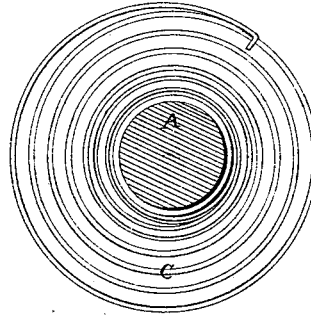


FIG. 3.

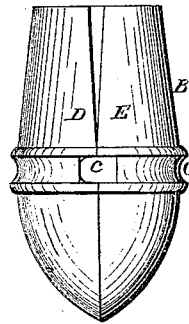


FIG. 5.

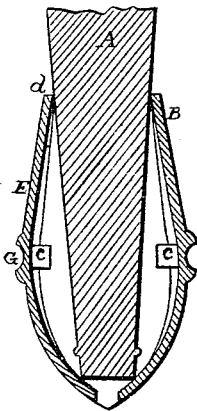


FIG. 4.

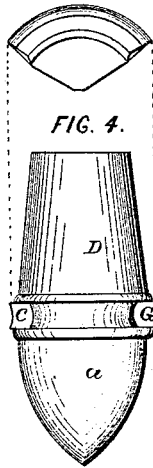
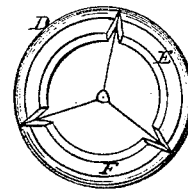


FIG. 6.



WITNESSES.
A. F. Cornell.
S. Ames

INVENTOR.
R. H. Ober.
Per. Burridge & Co.
Atty.

UNITED STATES PATENT OFFICE.

REUBEN H. OBER, OF GARRETTSVILLE, OHIO.

IMPROVEMENT IN CHAIR-SPRING ATTACHMENTS.

Specification forming part of Letters Patent No. 165,684, dated July 20, 1875; application filed April 19, 1875.

To all whom it may concern:

Be it known that I, R. H. OBER, of Garrettsville, in the county of Portage and State of Ohio, have invented a certain new and Improved Chair Spring and Attachment Combined, of which the following is a clear and complete description, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a side view of the chair spring and attachment. Fig. 2 is an end view. Figs. 3, 4, and 6 are detached sections. Fig. 5 is a transverse vertical section.

Like letters of reference refer to like parts in the several views.

The nature of this invention relates to a device for attaching springs to the legs of a chair.

A full and complete description of the invention is as follows:

In the drawing, A represents a section of the leg of a chair, and B the clamp, whereby the spring C is attached thereto. Said clamp is composed of three sections, D, E, and F, Fig. 6. A detached view of one of said sections is shown in Fig. 4. The number of sections may be more or less without changing the nature of the invention. It will be observed that the lower end of each of the sections is similar in shape to one-third of an inverted cone divided vertically into three sections, as will be seen at *a*, and that when the three sections are placed together, as shown in Figs. 3 and 6, the association of the three cone-shaped ends forms a hollow cone, as shown in Figs. 3 and 5. The upper end of the three sections is made a little narrower than the middle part thereof and straight, whereas the lower end being conical in shape also makes that end narrower than the middle, as will be seen in Fig. 4. In thus making the two ends of each of the sections narrower than the middle part, it will be obvious that when the three sections are placed together, as shown in Figs. 3 and 6, the edges of the sections will touch each other at the middle. Said middle, being prominent, makes the edges of the sections curving longitudinally, so that they will rock upon each other, the center or middle being the fulcrum of vibration. G is a groove around the clamp. The sections of the clamp are prevented from slid-

ing endwise away from each other by a block, *c*, projecting from the edge of one section into a corresponding notch cut in the edge of another, as will be seen in the drawings, and which are also prevented from slipping away from each other laterally by the end of the spring C coiled around it in the groove G, as shown in Fig. 1.

The practical use of the above-described clamp is to secure the spring C to the leg of a chair. To this end, the leg is inserted in the clamp, as shown in Fig. 1, in which A, as aforesaid, represents a chair-leg. It will be obvious that as the end of the leg presses down upon the conical end of the clamp, the sections will be forced apart at that end and at the same time closing together at the top, thereby clamping the leg of the chair around at the point *d*, Figs. 1 and 5, and thus secure the spring to the leg, and all the more firmly, as the weight of the chair may be increased by persons sitting thereon. By means of this clamp the spring can be easily and firmly attached to the chair-leg without making holes therein for that purpose, or otherwise marring the piece of furniture. Said springs are attached to the front legs of a chair for the purpose of inclining it backward, that it may be more easy and comfortable to the occupant, and at the same permit the chair to rock slightly and easily forward, thereby dispensing with ordinary rockers.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The herein-described clamp B, consisting of the sections D, E, and F, provided with a groove, G, and blocks *c*, in combination with the spring C and the leg of a chair, A, in the manner substantially as described, and for the purpose set forth.

2. The combination of the three sections, D, E, F, having the projecting blocks *c*, and their corresponding notches, and bound around the middle thereof, substantially as described, whereby the fulcrums of the clamp are retained in their relative positions, in the manner set forth.

REUBEN H. OBER.

Witnesses:

W. H. BURRIDGE,
A. F. CORNELL.