

C. H. HILDRETH.

Attachment for Stand Rocking Chairs.

No. 166,698.

Patented Aug. 17, 1875.

Fig. 1.

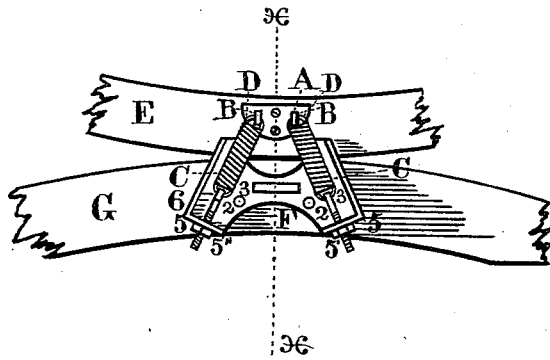
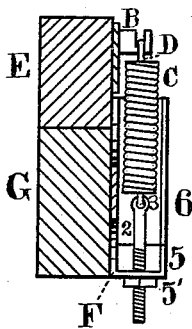


Fig. 2.



Attest:
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UNITED STATES PATENT OFFICE.

CHARLES H. HILDRETH, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN ATTACHMENTS FOR STAND ROCKING-CHAIRS.

Specification forming part of Letters Patent No. **166,698**, dated August 17, 1875; application filed December 31, 1874.

To all whom it may concern:

Be it known that I, CHARLES H. HILDRETH, of Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Attachments for Stand Rocking-Chairs, of which the following is a specification:

The present invention relates to an improvement in that class of rocking-chairs provided with a stand on which the rockers of the chair oscillate.

The improvement consists in diverging coil-springs, which are fastened to plates attached to the rockers, and are provided with adjusting-rods, which fasten to plates attached to the stand. The plates project above the stand to guide the rockers, and are provided with flanges for the support of the adjusting-rods, and to conceal the springs, as the whole is hereinafter shown.

In the drawings, Figure 1 is a face view of my attachment for stand rocking-chairs, and a broken elevation of those parts of the chair to which it is attached; Fig. 2, a vertical sectional elevation thereof on line X, Fig. 1.

A represents a metal plate, which is attached to the inside of the rocker E of a chair, and it is provided with lugs or hooks B B, for the convenience of attaching the upper ends of the springs C by means of the loops D. G represents one foot of the stand, which has attached to it a plate, F, by means of screws or otherwise, as most convenient. This plate is provided with inwardly-projecting flanges 5 5 on its lower ends, and with flanges 6 6 on its inclined sides, for the convenience of attaching the connecting-rods 2 2 and concealing the springs C C. These springs are coiled from steel spring-wire, and have formed on their

upper and lower ends loops D 3, for fastening to the hooks B and rods 2. The rods are provided at their lower ends with screw threads and nuts, so that they, or either of them, may have given to them greater or less tension.

The advantage of this attachment, as above described, is that, by giving one of the coil-springs C a greater tension than the other, the chair may have given to it a greater or less inclination backward, as may be convenient for any person reposing therein. This is accomplished by simply turning up the forward nuts 5' or the back nuts 5"; and a further advantage is, that the attachment does not require that the rockers or stand be weakened by vertical holes to receive it, and that the springs are not bent by the oscillating movement of the rockers, whereby much greater durability is obtained.

I do not claim to have originated a combined rocking-chair and stand, nor of a joint whereby the chair may oscillate on the stand. I, therefore, confine myself substantially to the device as shown and described.

I claim and desire to secure by Letters Patent of the United States—

1. The plates A and F, attached to the sides of the rocker E and stand G, in combination with the two diverging springs C C, as and for the purpose set forth.

2. The plate A, provided with the hooks B, and the springs C, provided with the loops 3 D, in combination with the rods 2, nuts 5' 5'', flanges 5 and 6, rocker E, and stand G, substantially as described and shown.

CHARLES H. HILDRETH.

Witnesses:

GEO. L. CHAPIN,
JOHN H. ELLIOTT.