(No Model.)

A. B. STEVENS.

SPRING ATTACHMENT FOR BASE ROCKING CHAIRS.

No. 457,137. Patented Aug. 4, 1891.

Fig. 1.

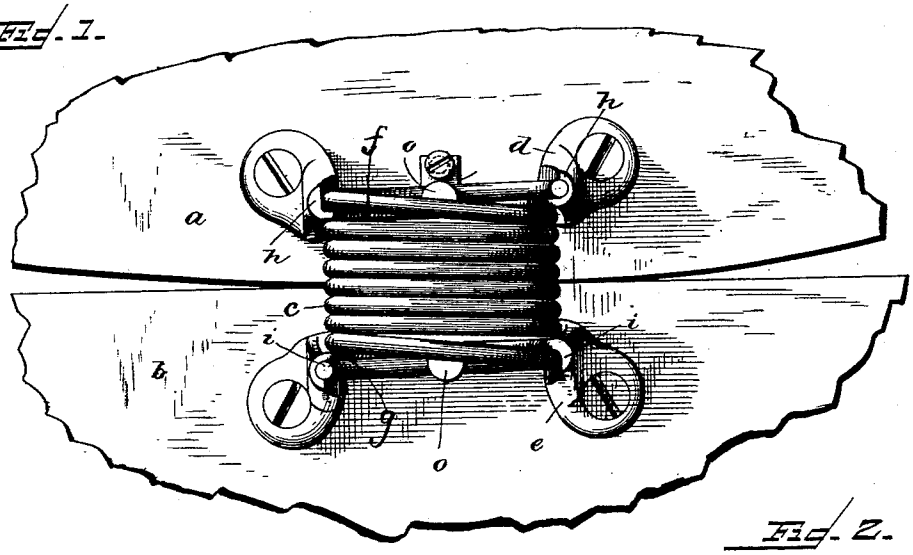


Fig. 2.

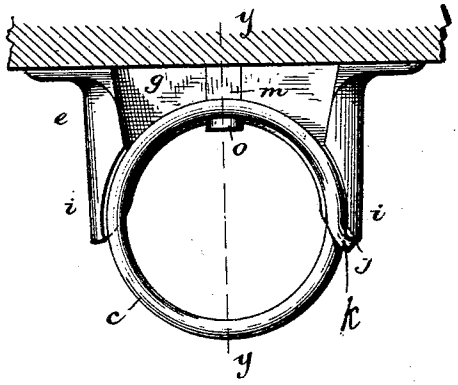
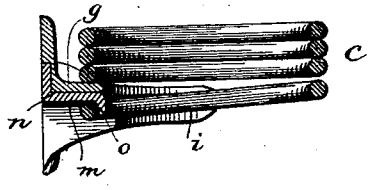


Fig. 3.



WITNESSES

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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

ASHER B. STEVENS, OF NEW BRIDGE, NEW JERSEY.

SPRING ATTACHMENT FOR BASE ROCKING-CHAIRS.

SPECIFICATION forming part of Letters Patent No. 457,137, dated August 4, 1891.

Application filed September 26, 1887. Serial No. 250,698. (No model.)

To all whom it may concern:

Be it known that I, ASHER B. STEVENS, a citizen of the United States, residing at New Bridge, in the county of Bergen and State of New Jersey, have invented certain new and useful Improvements in Spring Attachments for Base Rocking-Chairs, of which the following is a full, clear, and exact description.

This invention relates to that class of spring attachments for base or platform rocking-chairs in which the spring is secured to the appropriate parts of the chair by brackets engaging the end coils of such spring, each of the said brackets having an attaching-plate to be fastened to the chairs and a sole which receives the spring.

My invention, as distinguished from all similar inventions to me known, resides in the clip for holding the spring, which is held in place by the attachment of the bracket-plate to the chair; and the invention consists in the features and details of construction hereinafter described and claimed.

In the accompanying drawings, in the several figures of which like parts are similarly designated, Figure 1 is a side elevation of my attachment, showing also parts of the rocker and base of a base or platform rocking-chair to which the device is applied. Fig. 2 is a plan view of the bottom or outside of the lower bracket, and Fig. 3 is a vertical section taken in the plane of line *y y* of Fig. 2.

The parts designated *a* and *b* represent, respectively, the rocker and base or platform of an ordinary base or platform rocking-chair, and *c* designates the ordinary spring now commonly used in connecting these parts, it being understood that the spring attachments, whether of one or many springs, are used in pairs on each chair. The brackets *d* and *e* are, or may be, excepting as hereinafter set forth, of any ordinary or approved form, so far as having their soles *f g* constructed to receive the spring by entering between its end coils is concerned and the provision of the side ribs *h i* to form shoulders or abutments for the spring to prevent lateral displacement thereof.

In order to prevent the escape of the spring by rotation incident to the movement of the chair, I notch the ribs, or one of them, as at *j*, and deflect or bend out the end *k* of each spring, so as to enter such notch, whereby it is securely held. The opposite ends of the spring will be bent out or deflected in opposite directions, so that when the springs are snapped into place by driving or thrusting the soles of the brackets between their end coils the spring cannot possibly rotate or escape from the bracket by such movement.

In order to retain the spring upon the brackets in a simple and efficient manner, I provide a clip *m*, which clip is provided with a sunken, raised, or other seat *n* in the bracket. This clip is provided at one end with a finger *o*, which after the spring is on the sole of the bracket may be slipped under the coil of the spring inside of the spring and then pulled back to place, and at its other end the clip is turned up, as in Figs. 2 and 3, to enter a recess in the back of the plate to be retained by the fastening of the plate to the chair. This clip prevents the spring from moving off the bracket in a direction away from the rockers, while the shoulders or ribs *h i* are so formed, substantially as illustrated in the drawings, as to prevent it from displacement toward the rockers. By this construction the coils of the spring need be separated only slightly to receive the soles of the brackets and need no violent separation to ride over lugs or projections on the sole, as heretofore. Hence the connection and disconnection of the spring and brackets may be very easily and readily accomplished. The brackets require very little, if any, dressing or finishing after being cast, and may be molded and cast at a very considerably less cost than has heretofore been possible.

I may employ my invention in single or double or many spring attachments.

While I have shown the clip used in connection with the upper bracket in Fig. 1 as being attached to the rocker with a screw, I do not claim it when thus constructed, but only when so constructed that the clip is retained in engagement by the attachment of the bracket to the chair.

What I claim is—

A bracket for spring attachments for platform rocking-chairs, comprising a plate or sole to enter between the coils of the spring,

ribs on said sole forming shoulders or abutments, and a clip over which the end coil of the spring may be slipped or sprung to retain the spring in place, said clip engaging with the plate and held in place by the attachment of such plate to the chair, substantially as described.

In testimony whereof I have hereunto set my hand this 5th day of April, A. D. 1886.

ASHER B. STEVENS.

Witnesses:
WM. H. FINCKEL,
E. A. FINCKEL.

Correction.

It is hereby certified that Letters Patent No. 457,137, granted August 4, 1891, upon the application of Asher B. Stevens, of New Bridge, New Jersey, for an improvement in "Spring Attachments for Base Rocking-Chairs," were erroneously issued to said Stevens as owner of the entire interest in said invention; that said Letters Patent should have been issued to *The Rocker Spring Company, of Chicago, Illinois*, said Rocker Spring Company being assignee of the entire interest in said invention as shown by assigments of record in this office; and that said Letters Patent should be read with this correction therein that the same may conform to the record of the case in the Patent Office.

Signed, countersigned, and sealed this 19th day of January, A. D. 1892.

[SEAL.]

CYRUS BUSSEY,
Assistant Secretary of the Interior.

Countersigned:

W. E. SIMONDS,
Commissioner of Patents.