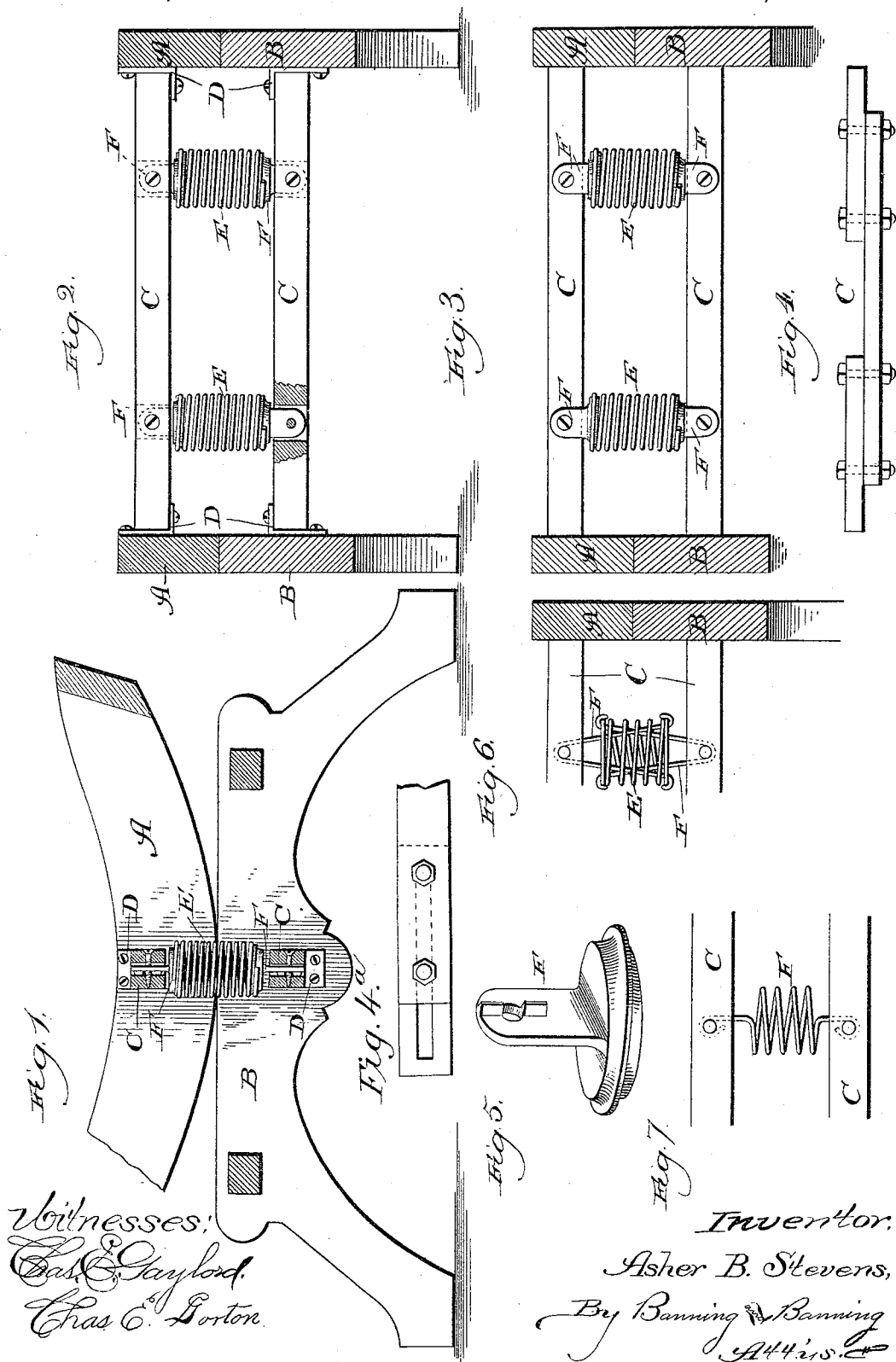


(No Model.)

A. B. STEVENS.
PLATFORM ROCKING CHAIR.

No. 461,648.

Patented Oct. 20, 1891.



UNITED STATES PATENT OFFICE.

ASHER B. STEVENS, OF BROOKLYN, NEW YORK, ASSIGNOR TO THE ROCKER SPRING COMPANY, OF CHICAGO, ILLINOIS.

PLATFORM ROCKING-CHAIR.

SPECIFICATION forming part of Letters Patent No. 461,648, dated October 20, 1891.

Application filed January 3, 1888. Serial No. 259,567. (No model.)

To all whom it may concern:

Be it known that I, ASHER B. STEVENS, a citizen of the United States, residing at Brooklyn, in the county of Kings, in the State of New York, have invented a new and useful Improvement in Rocking-Chair Attachments, of which the following is a specification.

The object of my invention is to make a spring attachment for platform rocking-chairs which can be attached directly to the wooden bars extending across from the rockers or base-rails; and the invention consists in the features and combinations hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a longitudinal section of parts of a platform rocking-chair, particularly showing the inside of one of the rockers and base-rails; Fig. 2, a cross-section taken in a line just back or front of the spring attachments; Fig. 3, the same as Fig. 2, except that it shows the springs secured to the outside of the cross-bar instead of in slots therein; Fig. 4, a modification of the cross-bar, showing it in sections slotted to render it adjustable lengthwise; Fig. 4^a, an elevation of a portion of the device shown in Fig. 4; Fig. 5, a perspective view of the fastening devices used to connect the spring to the cross-bar shown in the first three figures; and Figs. 6 and 7, modifications of the spring, particularly as to its manner of attachment to the cross-bars.

A is the rocker; B, the base-rail; C, the cross-bars; D, brackets for securing the cross-bars to the rockers and base-rails; E, the connecting-springs, and F the devices for securing the springs to the cross-bars.

My invention is particularly intended to be applied to platform rocking-chairs which have cross bars or pieces extending from one side to the other. In this style of chair there is usually one wooden cross-bar extending from the inside of one base-rail to the inside of the other and another wooden cross-bar extending from the inside of one rocker to the inside of the other. Between these cross-bars I interpose two or more spiral springs of suitable dimensions and strength to connect the rocking and base parts of the chair to-

gether. These springs may be secured at their ends to the cross-bars by spirally-grooved caps or hanging brackets, the grooves being adapted to receive the end coils of the springs, and the outer ends of these caps may be inserted in slots in the cross-bars and firmly secured therein by screws, pins, or otherwise. As shown in Figs. 1 and 2, they are inserted in slots in the cross-bars and secured therein by screws. As shown in Fig. 3, they are secured to the side of the cross-bars by screws, and, as shown in Figs. 6 and 7, they are secured by pins passing through looped portions of the spring or parts used in connection therewith; but the ends of the springs may be secured to the cross-bars in any other convenient way—as, for instance, by having the terminal coil of the spring bent and looped, so as to pass up or down through a hole or slot in the cross-bar, where it may be held by a pin passed under or through its looped portion or otherwise. The cross-bars are preferably secured to the rockers and base-rails by right-angled brackets; but they may be fitted directly into recesses in said parts, and they may be made adjustable lengthwise, so as to adapt them to different widths of chairs or different positions in the same chair, as desired.

In Figs. 4 and 4^a I have shown one form of adjustable cross-bar, consisting of a main bar having a slotted extension-piece at each end, the main bar and slotted pieces being connected together by suitable nuts and bolts, so as to allow of the slotted pieces being moved back and forth to increase and diminish the length of the cross-bar. Being connected at their ends by right-angled brackets, as above described, they are capable of being readily detached from the chair, and of course this enables the chair to be readily taken apart for shipment or other purposes. Each of these cross-bars is of course adapted to have one end of each spring rigidly fastened to it, as above described. Two connecting-springs being secured, as above, to the respective cross-bars at off-center points—that is, between the center and rocker at either side—form a firm and secure connection between the upper and

lower parts of the chair, and at the same time have the effect of facilitating or regulating the rocking motion of the seat part.

Although I have shown only two springs 5 located, respectively, at points about half-way between the center and the rocker, still I desire it to be understood that I intend to use more springs, if found convenient, and to locate them at other points—as, for instance, 10 closer to the rockers and base-rails—if such change in location appears to be desirable.

I claim—

1. In combination with the rockers and 15 base-rails of a platform rocking-chair, two bars extending across the inside of the chair, brackets detachably securing the ends of the cross-bars to the rockers and base-rails, and spiral springs having their ends rigidly se-

cured to the cross-bars, respectively, to form the connection between the seat and base 20 parts of the chair, substantially as described.

2. In combination with the rockers and base-rails of a platform rocking-chair, two bars extending across the inside of the chair formed of different parts and adjustable lengthwise, 25 right-angled brackets detachably securing the ends of the cross-bars to the rockers and base-rails, and spiral springs having their ends rigidly secured to the cross-bars, respectively, to form the connection between the seat and base 30 parts of the chair, substantially as described.

ASHER B. STEVENS.

Witnesses:

EPHRAIM BANNING,
GEORGE S. PAYSON.