(No Model.)

O. B. OLMSTED.

DETACHABLE ROCKER.

No. 271,907. Patented Feb. 6, 1883.

Fig. 1.

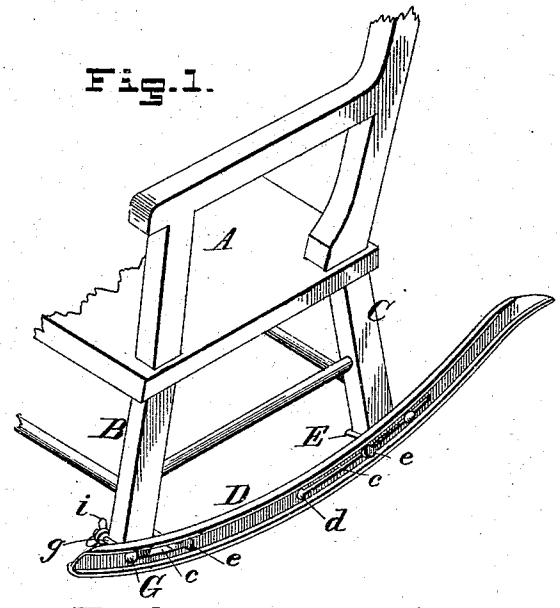


Fig. 2.

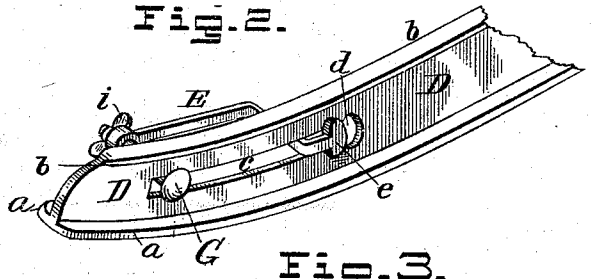
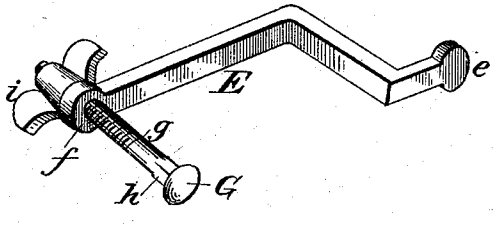


Fig. 3.



WITNESSES:

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UNITED STATES PATENT OFFICE.

OSCAR B. OLMSTED, OF BELOIT, WISCONSIN.

DETACHABLE ROCKER.

SPECIFICATION forming part of Letters Patent No. 271,907, dated February 6, 1883.

Application filed November 17, 1882. (No model.)

To all whom it may concern:

Be it known that I, OSCAR B. OLMSTED, of Beloit, in the county of Rock and State of Wisconsin, have invented certain Improvements in Detachable Rockers, of which the following is a specification.

This invention relates to detachable rockers for chairs; and it consists in an improved construction of the same and a novel manner of securing them to the chairs, as hereinafter set forth.

In the accompanying drawings, Figure 1 is a perspective view of an ordinary chair with my rocker applied; Fig. 2, an enlarged perspective view of the end of the rocker and the adjustable clip, and Fig. 3 a perspective view of the clip.

Hitherto detachable rockers have been made in many forms, and secured to chair-legs by means of various fastening devices; and the primary object of my invention is to provide a detachable rocker adapted to suit the varying sizes of chairs, and which can be applied in a simple and secure manner; and to this end I construct my rocker as shown in the drawings, in which A represents a chair provided with the front and rear legs, B and C. The construction of the chair is immaterial; and while I have shown the legs as being of rectangular form in cross-section, it is apparent that they may be circular or any form desired.

D represents the detachable rocker, which may be made of iron or any other suitable material; and in order to give a broad bearing-surface, and also a firm support for the legs of the chair, it is provided with lateral flanges *a a*, which preferably extend the whole length of the rocker, while at the upper portion are also two flanges, *b b*, which may be omitted, if desired. These flanges *b* do not project laterally as far as the flanges *a*, and are made to give increased strength to the rocker, while at the same time adding greatly to its appearance.

In the rockers are two elongated slots, *c*, which are made of such length as to include the varying sizes of chairs, and which are provided with enlarged portions *d* at one end, the purpose of which will be presently explained.

The clip by which I secure the rocker to the chair-legs is clearly shown in Fig. 3, in which E represents the main body or yoke, which is bent twice at substantially right angles, and is provided at one end with the head or enlargement *e*, while at the other end is another enlargement, *f*, through which the fastening-bolt *g* passes.

The bolt *g* is provided with a head, G, which is larger than the slot *c*, to prevent its passing through the latter; and it is also provided with a squared portion, *h*, which is made to fit accurately within the slot *c*.

On the end of the bolt *g*, which is threaded, is a thumb-screw, *i*, by means of which the clip is fastened to the chair-leg.

In order to insert the clip in the rocker, it is necessary that it be separated from the bolt and the enlarged portion *e* inserted in the end *d* of the slot *c* at right angles to the position occupied in use. The space *d*, being larger than the slot and the yoke E, will allow the latter to turn down in the position assumed in Fig. 2. The bolt is then inserted, passing the squared portion *h* into the slot, which holds it and prevents its turning when the thumb-screw *i* is applied.

Placing the chair-leg in the clip when the latter is in the position shown in Fig. 2, the lower end of the leg is caused to rest on the flange *a*, and by turning the thumb-screw the leg will be firmly clamped between the rocker and the clip which encircles it. The screw *i* being tightened has the effect of drawing the head of the bolt *g* and the enlarged portion *e* of the yoke E firmly against the outer face of the rocker, and will effectually stop any longitudinal movement of the fastening devices within the slots. The front legs being thus secured, the rear legs can be secured in a like manner, and, as the slots *c* allow considerable movement of the clip E with its fastening-bolt *g*, the rocker can be adjusted to suit the varying sizes of chairs.

It is not necessary that the parts of the clip should be separated when the chair-legs are inserted or withdrawn, simply loosening the thumb-screw answering for the purpose.

If desired, pieces of cloth and similar substances can be placed between the chair-legs and the yoke or clip E encircling it to prevent its marring the legs.

By having the slot at the forward end of the

rocker it enables me to vary the degree that the front end of the rocker projects, which is occasioned by differently-shaped legs of chairs.

I am aware that detachable metallic rockers have been provided with a series of holes, through which fastening devices have been inserted; but these are objectionable, as they require the latter to be removed for each adjustment, and do not allow the nicety of adjustment which can be secured by using the slots, and at the same time allowing the fastening devices to remain within the rocker.

Having thus described my invention, what I claim is—

1. The herein-described rocker attachment for chairs, consisting of the rocker D, provided with slots *c*, one or both elongated, as shown and described, and the clips E *g i*, having one end connected to the rocker on one side of the chair-leg and the other end drawn toward the rocker by a screw on the opposite side of the leg, as shown.

2. In combination with a rocker having slots *c*, clips consisting of body E, having bent arm provided with head *e*, bolt *g*, and nut *i*, all constructed and arranged substantially as shown and described.

OSCAR B. OLMSTED.

Witnesses:
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