

E. M. BROWN.
RECLINING CHAIR.
APPLICATION FILED APR. 2, 1918.

1,279,979.

Patented Sept. 24, 1918.
2 SHEETS—SHEET 1.

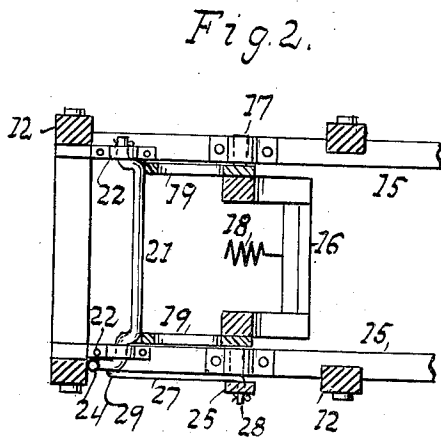
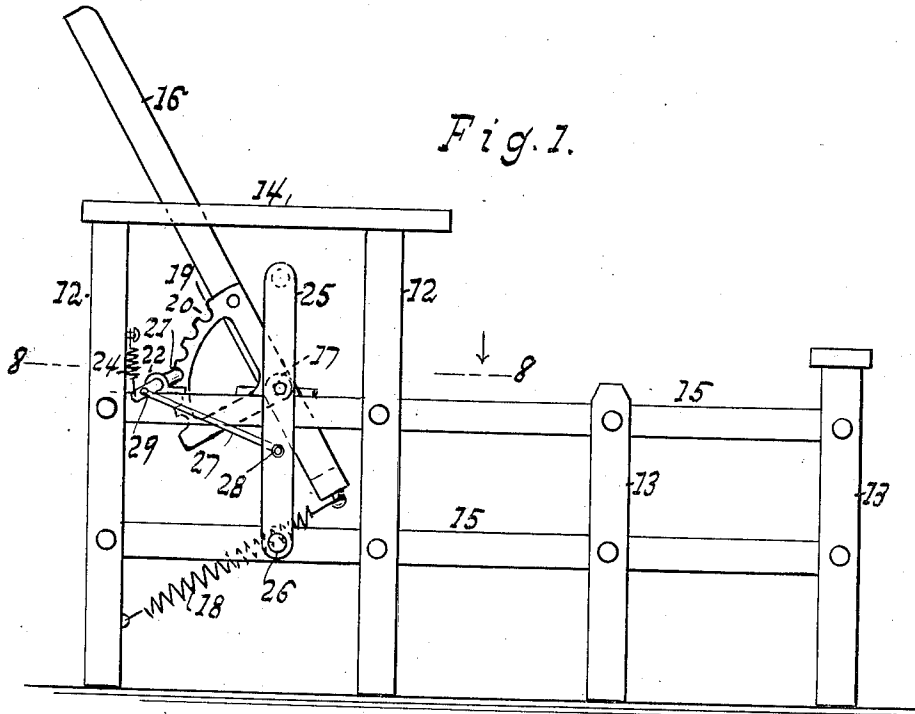
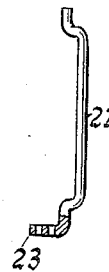


Fig. 3.



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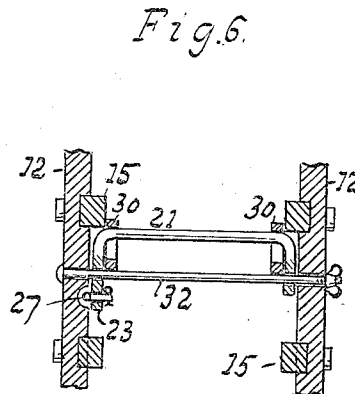
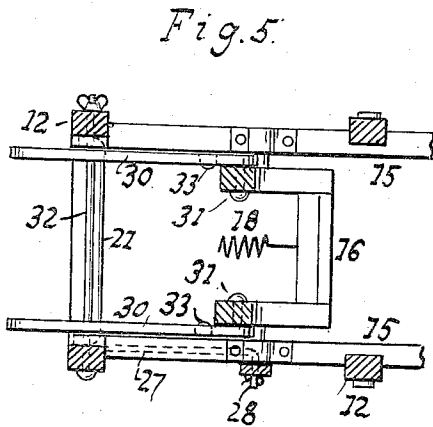
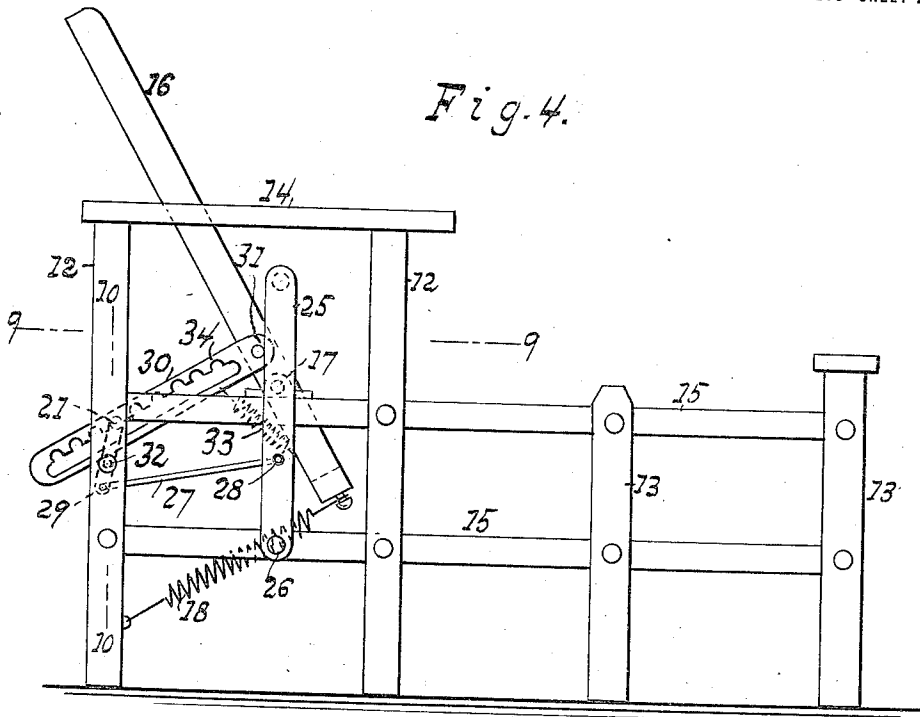
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UNITED STATES PATENT OFFICE.

EDWARD M. BROWN, OF SARANAC LAKE, NEW YORK.

RECLINING-CHAIR.

1,279,979.

Specification of Letters Patent.

Patented Sept. 24, 1918.

Application filed April 2, 1918. Serial No. 226,174.

To all whom it may concern:

Be it known that I, EDWARD M. BROWN, a citizen of the United States, residing at Saranac Lake, county of Franklin, and State of New York, have invented new and useful Improvements in Reclining-Chairs, of which the following is a specification.

This invention relates essentially to a reclining chair in which a swinging back is provided with rack members, and a rocking bar or bail to engage the racks for positioning the back at different angles.

The fundamental object of the invention is to equip the back with a pair of lateral rack members having notches, one being opposite the other so that when the back is locked in its required position by the transverse locking bar, it will be prevented from sagging.

The invention is designed to provide a positive locking arrangement operating to engage the notched rack members for absorbing the major portion of the pressure exerted on the back when a person is reclining in the chair.

The invention resides in the novel combinations hereinafter described and claimed, reference being made to the accompanying drawings in which:

Figure 1 represents a side elevation of a reclining chair embodying this invention.

Fig. 2 is a horizontal section taken along the line 8 8 of the same.

Fig. 3 is a plan view of a rocking bar.

Fig. 4 is a side elevation of a modification.

Fig. 5 is a horizontal section taken along the line 9 9 of the same.

Fig. 6 is a vertical section taken along the line 10 10 of the same.

In these drawings is shown a reclining chair having head section posts 12; foot section posts 13 and arm rests 14 secured to the upper end of the head posts. Parallel side rails 15 are connected to the posts.

A head rest or chair back 16 is swingingly connected at 17 to the parallel side rails. This back swings between the side rails, and a coil spring 18, fixed to the lower end of the back and posts, will prevent the back from falling or tilting backward when unlocked.

As indicated in Figs. 1, 2, 3, a pair of segmental racks 19 are secured to the sides of the swinging back. Each rack is opposite to the other, and both are provided with notches 20 for engagement with a bar or

bail 21 supported on the side rails. Caps 22, bolted to the rails, provide means for permitting the bar to rock, and at the same time prevent displacement of the bar. The bar has a side extension 23 with an eye, best seen in Fig. 3, for fastening the end of the coil spring 24, which is adapted to snap the transverse portion of the bar into the notches of both racks. The lever 25 is swingingly connected at 26 to the rails. This lever has one end of a link or rod 27 hooked to it by inserting the end 28 through a hole in the lever. The other end 29 of the link is hooked to the rocking bar by inserting the end through a hole in the extension of the bar. The link is prevented from slipping out of the holes by means of cotter pins mounted on the ends of the links.

When it is desired to unlock the back so that it can be swung to any inclination, the lever 25 is pushed forward, thus actuating the link to rock the lower end of the bar downward. The other transverse portion of the bar will then swing upwardly to disengage itself from the notches of both racks, the back of the chair is then free to swing to the required position.

As indicated in Figs. 4 to 6, each rack 30 is pivoted at 31 to the side of the chair back. The rocking bar 21 in this construction is mounted to swing on a bolt 32 passing through posts 12 at the back of the head rest. Coil springs 33 connected to the racks, will swing the racks downward to rest on the bolt with the notches 34 of the racks in engagement with the rocking bar.

When it is desired to position the swinging back the lever 25 is operated to oscillate the rocking bar out of engagement with the notches. The bar in moving out of the notches will slightly swing the racks upward against the action of the springs 33, so that the racks can slide to and fro with the swinging back.

The swinging rack construction noted above is especially serviceable for a collapsible couch of the kind described in the patent to Ayres, No. 1,072,297, September 2, 1913, in which the posts and legs can be taken down to form a convenient flat package for shipping or transportation.

I claim:

1. A reclining chair comprising a swinging back, rack members carried by the back, a rocking bar having a transverse portion for engagement with the racks to position

the back, means for mounting the bar on a fixed support, a link pivotally connected to the side of the bar, and a lever for actuating the link to swing the bar out of engagement
5 with the racks.

2. A reclining chair comprising a swinging back, a pair of notched rack members carried by the back, a rocking bar having lateral extensions to mount the bar on a
10 fixed support and a transverse portion to engage the notches for positioning the back, a link pivotally connected to the side of the bar, and a lever for actuating the link to swing the bar out of engagement with the
15 notches.

3. A reclining chair comprising a swing-

ing back, a pair of notched rack members swingingly connected to the back, a rocking bar having lateral extensions to pivotally
mount the bar and a transverse portion to 20 engage the notches for positioning the back, a link pivotally connected to the bar, and a lever for actuating the link to swing the bar out of engagement with the notches.

In testimony whereof I have hereunto set
my hand in the presence of two subscribing
witnesses. 25

EDWARD M. BROWN.

Witnesses:

C. J. AYRES,
AVIS E. BROWN.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
Washington, D. C."