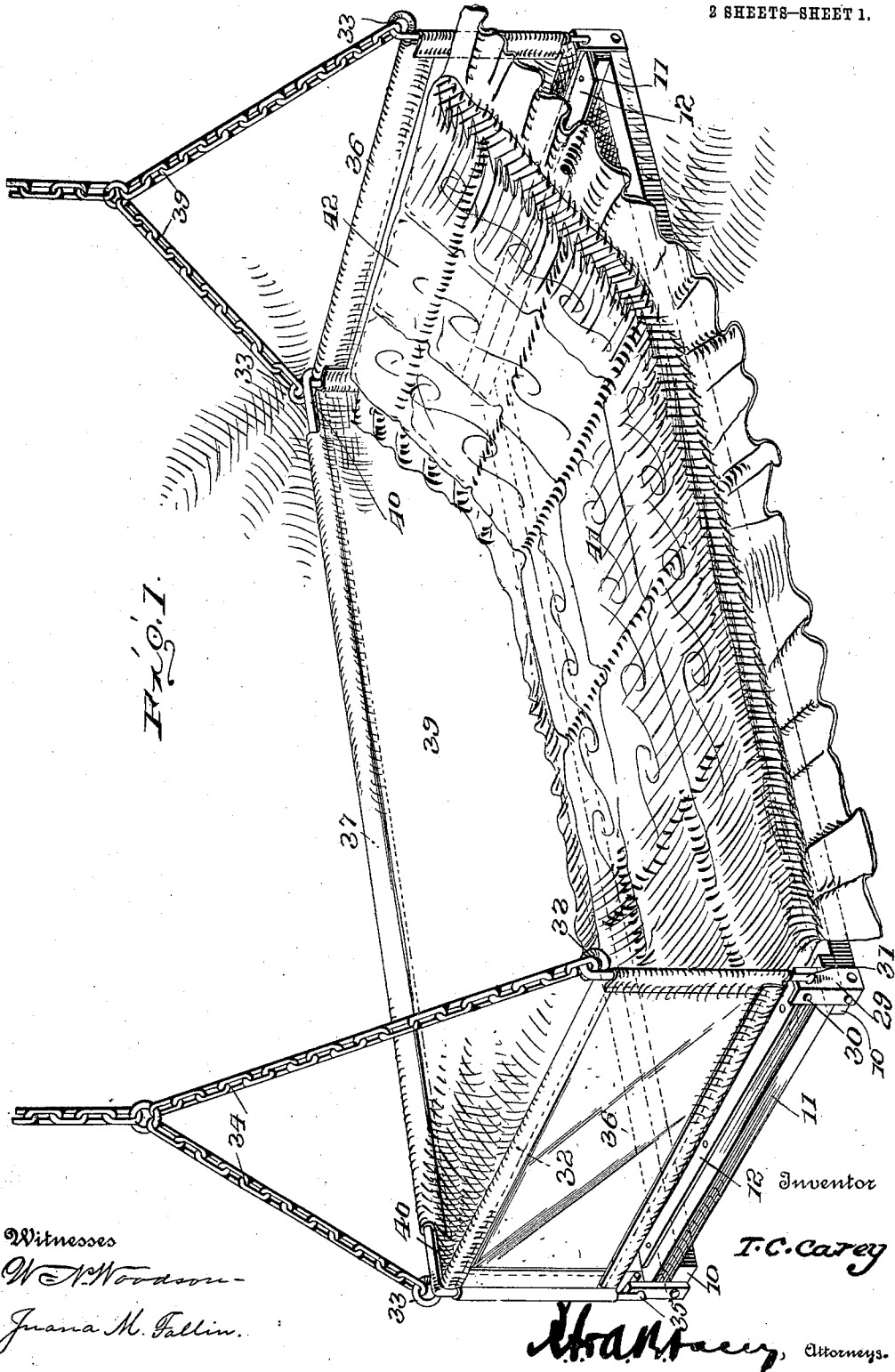


APPLICATION FILED MAY 3, 1911.

Patented Aug. 29, 1911.

2 SHEETS—SHEET 1.



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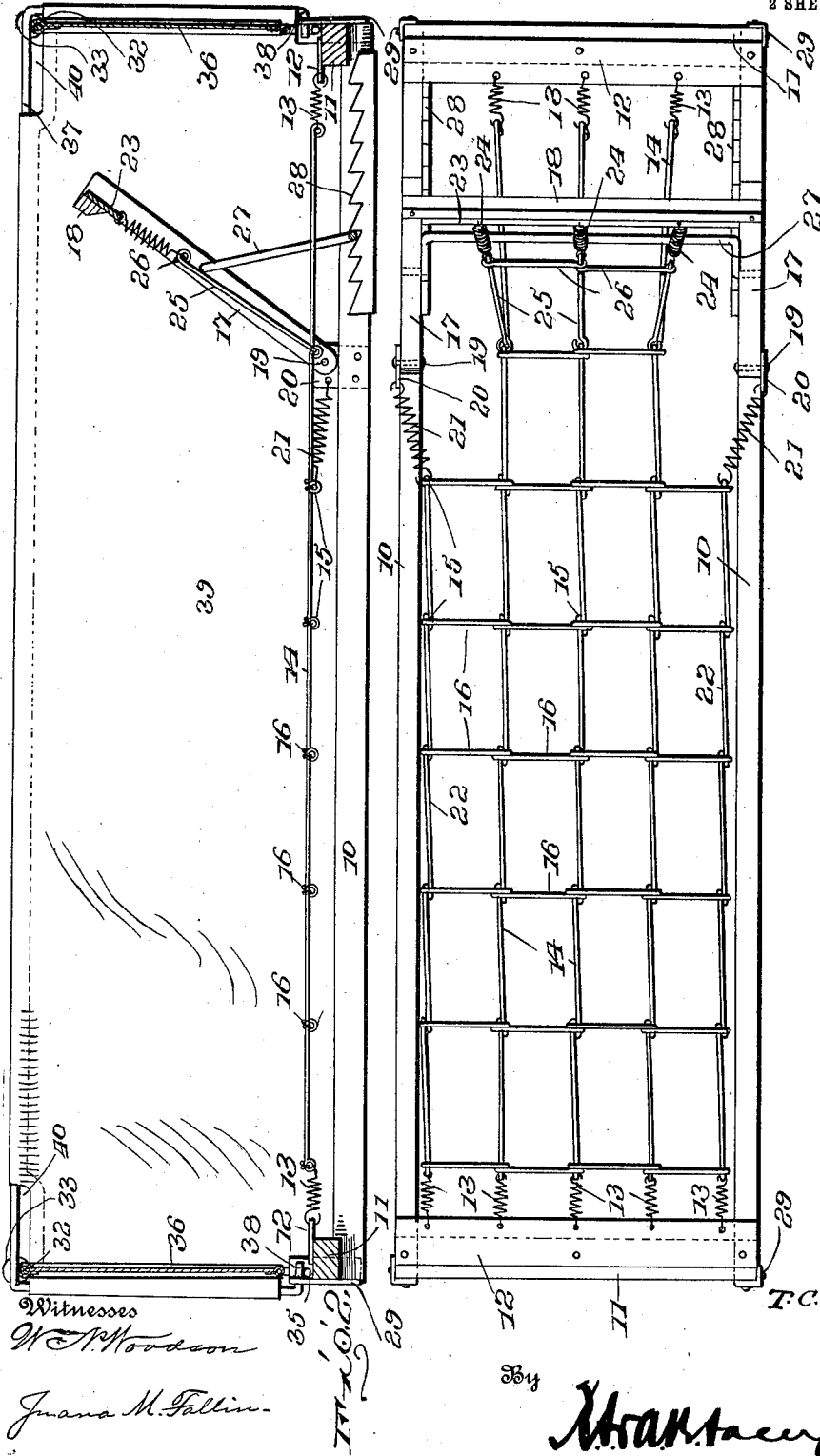
T. C. CAREY.
COUCH SWING.

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2 SHEETS—SHEET 2.



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UNITED STATES PATENT OFFICE.

THOMAS C. CAREY, OF TRENTON, NEW JERSEY.

COUCH-SWING.

1,001,812.

Specification of Letters Patent. Patented Aug. 29, 1911.

Application filed May 3, 1911. Serial No. 624,860.

To all whom it may concern:

Be it known that I, THOMAS C. CAREY, citizen of the United States, residing at Trenton, in the county of Mercer and State of New Jersey, have invented certain new and useful Improvements in Couch-Swings, of which the following is a specification.

This invention relates to swings, and refers particularly to a combined couch and swing.

An object of this invention is to provide a folding swing in the form of a couch which may be hung in the usual manner upon flexible supports, and which has the back and ends adapted to interlock and to be held in such position by the attachment of the supporting members.

Another object of this invention is to peculiarly construct the couch swing having a back and ends which are detachable and interchangeable, and which when in position, may be folded down over the bottom frame for packing and transportation.

A further object of this invention is to provide a couch swing with an adjustable head at its upper end, and to peculiarly position a fabric bottom within the main frame of the swing which extends up into the head rest, and to provide the main frame with flexible connecting means at its head for holding taut the fabric bottom when the head rest is raised.

The invention still further designs a comparatively simple and inexpensive swing which is comparatively light in weight, comprises but few operative parts, and one which can be quickly and easily set up or folded.

For a full understanding of the invention reference is to be had to the following description and accompanying drawings, in which:

Figure 1 is a perspective view of the improved swing; Fig. 2 is a longitudinal vertical section through the same; and, Fig. 3 is a top plan view of the swing, disclosing the ends and back removed.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawing by the same reference characters.

Referring to the drawings the improved swing comprises a main frame having the parallel side bars 10 joined at their ends by the end bars 11. Attaching strips 12 are secured upon the upper faces of the end bars

11 to which are secured a series of coil springs 13. The inner ends of the coil springs are connected together in pairs by longitudinal strands 14 of a bottom fabric. At spaced intervals throughout the lengths of the longitudinal strands 14 the same are looped to provide eyes 15 to which are connected the meeting ends of short transverse links 16 joining the strands 14 and closing in the fabric bottom.

The main frame is provided at its upper end with a head rest. The head rest is in the form of a pair of parallel arms 17 joined at their outer ends by a cross piece 18 and being hinged at their inner ends upon pins 19 extending in through upstanding ears 20 carried against the outer edges of the side bars 10. The ears 20 are arranged in transverse registration adjacent to the upper end of the frame, and carry at their inner edges coil springs 21 which connect with the adjacent ends of reinforcing longitudinal strands 22 positioned at the opposite edges of the fabric bottom. It will be noted that the longitudinal strands 14 extend up beneath the head rest and serve as connecting wires engaging between the fabric bottom and the coil springs 13 at the head of the frame. The cross piece 18 of the head rest is provided against its under face with an attaching strip 23 to which are secured a number of spaced coil springs 24 attached at their inner ends to hinged strands 25 having connection with the longitudinal strands 14 at the base or hinged center of the head rest. Short transverse links 26 connect the hinged strands 25 to provide a fabric frame within the head rest.

The head rest is adjustably supported in a tilted position upon the upper end of the main frame by a hinged bail 27 having its free ends outturned and hingedly engaging in the inner faces of the arms 17 of the side rails 10, the closed or lower end of the bail passing down against the inner edges of the side bars 10 and resting upon the teeth of parallel rack bars 28 carried against the inner edges and at the upper ends of the side bars 10.

At each corner of the main frame an upstanding angle iron 29 is secured. The flanges of the angle irons extend over the outer edges of the side bars 10 and the end bars 11, and are provided adjacent to their upper ends with openings 30 and 31 formed respectively in the end and side flanges.

The main frame is provided with ends, each one of which comprises a length of wire 32 bent substantially U-shape and having angular corners and being looped outwardly, as at 33, to receive the supporting flexible members 34. The free ends of the bails or sides 33 are provided with registering intumed fingers 35 which engage through the openings 31 and hingedly support the side. A portion of fabric 36 is overturned and stitched about the sides and outer end of the frame.

The swing is provided with a back, the same comprising an elongated bail 37 having intumed fingers 38 at its free ends engaging in the openings 30 at either side of the main frame. A portion of fabric 39 closes in the bail 37 and has its edges overturned and stitched about the bail. The upper corners of the fabric are cut away to provide slots 40 receiving therethrough the outstanding loops 33 of the ends of the swing, whereby the back and ends are interlocked.

A suitable mattress or cushion 41 is placed upon the frame between the sides and back, the same being formed with a head portion 42 engaging over the head rest and adapted to swing with the headrest.

It is readily seen that by expanding the arms of the bails 32 and 37 the ends and back may be removed from the main frame, and the back may be positioned at the opposite side of the frame if desired. The angle bars 29 extend slightly above the main frame and hingedly support the ends and back so that the same can be swung in upon the main frame when it is desired to fold the device for shipment. The head rest may be adjusted to various positions by swinging the bail 27 into engagement with the various

teeth of the rack bars 28 so as to hold the head portion 42 of the mattress or cushion at various angles.

Having thus described the invention, what is claimed is:

1. A couch swing comprising a main frame, angle bars carried at the corners of the frame and extending up therefrom and having openings therein, bails having intumed fingers at their free ends engaging through the openings, the bails at the ends of the frame having outwardly extending loops at their outer corners, the loops adapted for engagement beneath the outer bar of the side bail, and supports connected to the loops for holding the same in interlocked position with the side bail.

2. A couch swing comprising a main frame, end and side frames detachably hinged upon the main frame and meeting at their ends at the corners of the main frame, the end frames having loops at their corners, the loop at one corner of each of the end frames engaging through the end of the side frame, and supports connected to the loops against the outer face of the side frame.

3. A couch swing comprising a main frame, end frames hinged on the main frame, a side frame hinged on the main frame and interlocking at its ends with the end frames, and supporting means connected to the corners of the end and side frames for holding the same in interlocked relation and for supporting the main frame.

In testimony whereof, I affix my signature in presence of two witnesses.

THOMAS C. CAREY. [L. s.]

Witnesses:

G. M. BROWN,
J. T. TEMPLE.