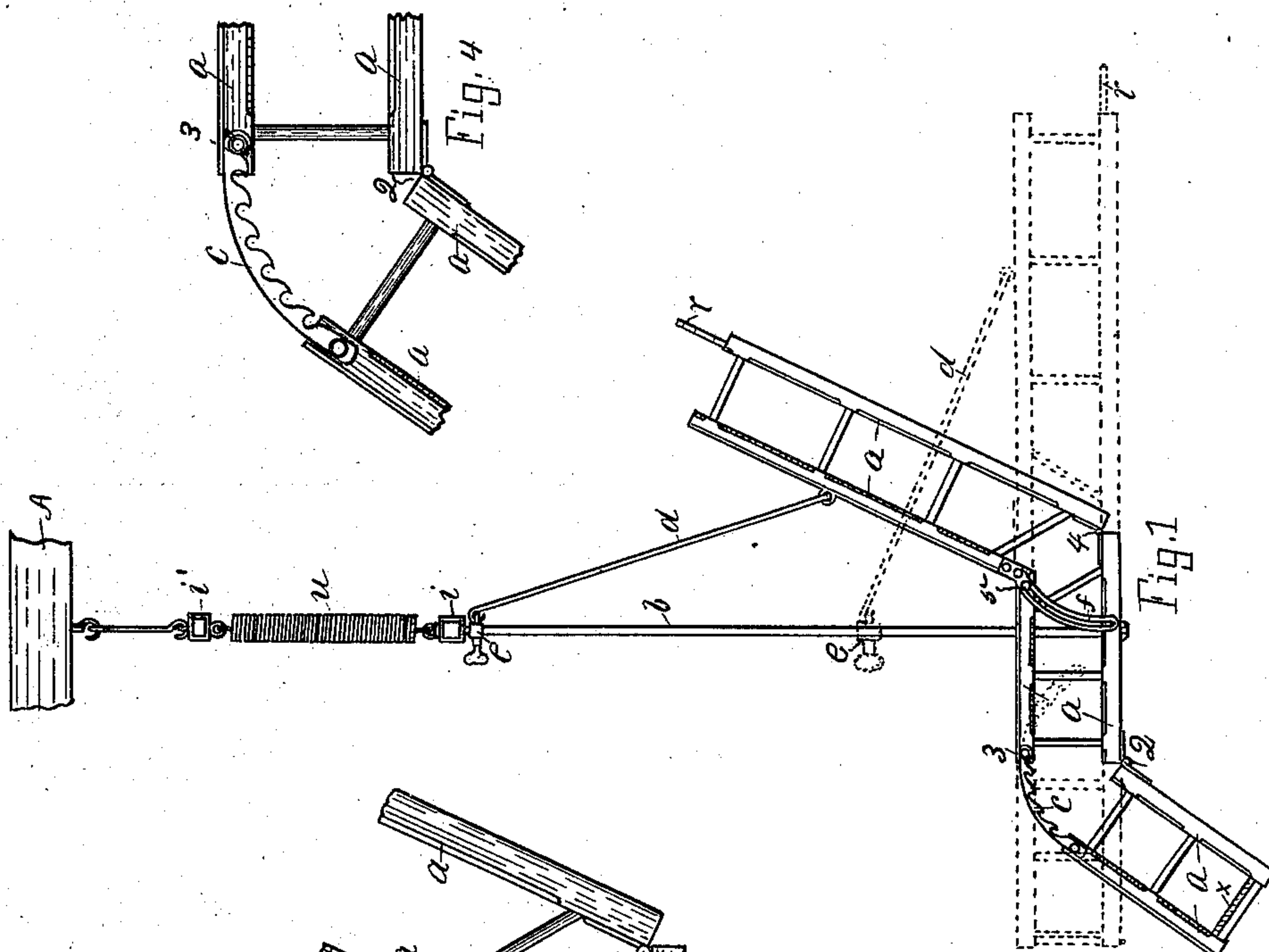
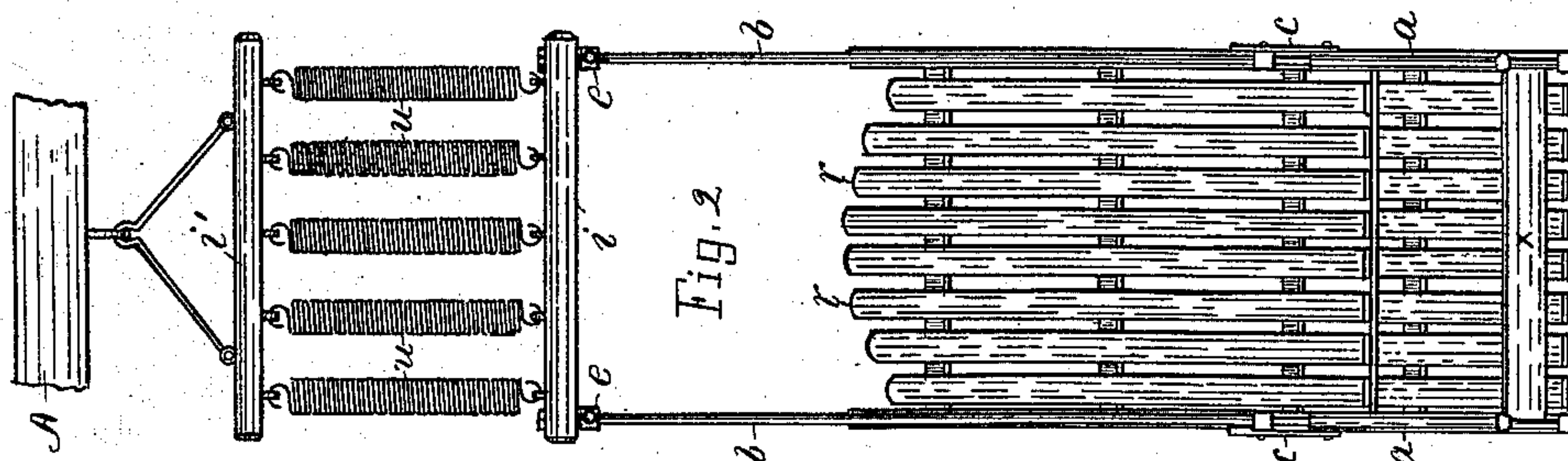


(No Model.)

M. E. SCHUTT.
CONVERTIBLE SUSPENDING CHAIR.

No. 402,110.

Patented Apr. 23, 1889.



Witnesses,
John C Perkins
Levi Morris

Inventor,
Martin E. Schutt
By Lucius C West
atty-

UNITED STATES PATENT OFFICE.

MARTIN E. SCHUTT, OF CHESANING, MICHIGAN.

CONVERTIBLE SUSPENDING CHAIR.

SPECIFICATION forming part of Letters Patent No. 402,110, dated April 23, 1889.

Application filed December 17, 1888. Serial No. 293,885. (No model.)

To all whom it may concern:

Be it known that I, MARTIN E. SCHUTT, a citizen of the United States, residing at Chesaning, county of Saginaw, State of Michigan, have invented a new and useful Convertible Suspending Chair, of which the following is a specification.

This invention relates to chairs to be suspended by elastic means and which are convertible for a sitting and a reclining position of the occupant; and it has for its objects the novel construction and association of parts, substantially as below described and claimed.

In the drawings forming a part of this specification, Figure 1 is a side elevation; Fig. 2, a front elevation looking from a point at the left of Fig. 1; and Figs. 3 and 4 are enlarged lettered details from Fig. 1, fully described below.

Referring to the lettered parts of the drawings, *a a* are the framed sides of the chair, and *r* the bottom. The bottom here shown consists of slats; but this is not material, for the bottom will ordinarily be upholstered at the pleasure of the purchaser.

The chair is divided into three sections, a center part or seat proper, a front part or foot-rest proper, and a back part. These sections are hinged together, and are either adjusted all in a horizontal position, as in dotted lines in Fig. 1, or the front rest may be fixed at a downward incline, as at left hand in Fig. 1, and the back at an upward incline, as at the right hand in Fig. 1, leaving the center section or seat horizontal. In this position the occupant sits in the chair with his legs below the knee inclining down the front part and his feet on the foot-board *X*. Of course the parts can be adjusted and fixed at intermediate points from the two positions here illustrated, as will appear clear from the following:

The center section or seat part is supported by two pendent rods, *b b*. The sections are hinged at 2 4 to the bottom rail of the sides. To each front lower corner of the rear section is attached a slotted strap, *f*. To the rear upper corners of the center section are fixed lateral projections 5, which pass loosely through the slot of the straps *f*. When the back is down, these straps form a continuation of the top of the sides of the chair, the same as the

straps *c*, Figs. 1 and 4, form a continuation of the top of the sides between the front and middle sections. These straps *c*, however, have notches which catch over the projection 3 of the middle section and hold the front section at the different positions. The rear section is supported at its different angles by the rods *d*, which rods are jointedly attached to the sides of said section *a* at the lower ends of said rods. On each rod *b* is a sliding collar, *e*, held at different heights on said rods by set-screws, Figs. 1 and 2. The upper ends of the rods *d* are jointedly attached to the collars *e*. The upper ends of the rods *b b* are attached to a cross-piece, *i*. *i'* is a cross-piece adapted to be suspended from a suitable beam, *A*, or other support.

At *u* are a series of spiral springs attached at the upper ends to the cross-piece *i'* and at the lower ends to the cross-piece *i*. These springs are detachable, and hence as many of them may be employed at a time as desirable, according to the weight of the occupant of the chair.

This chair can be used by persons in health as a swing elastically supported, but is especially desirable for invalids, and, owing to its simplicity and cheapness and ease of adjustment, is very available and useful.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The convertible suspending chair comprising the pendent rods, the central section supported by said rods, the front section attached to the center section by hinges at the lower side and the projections and notched bars at the upper side, the rear section hinged to the center section, the collars with set-screws on the vertical rods, and the oblique rods jointedly attached to said collars and the rear section, substantially as set forth.

2. The chair-sections hinged together, the pendent rods supporting the center section, the sliding collars on said rods and their set-screws, the rods jointedly attached to said collars and to the rear sections, and springs elastically suspending the whole, substantially as set forth.

3. The combination of the convertible chair-sections hinged together, the upper cross-

pieces, the series of vertical springs between
the cross-pieces and attached thereto at their
ends, the pendent rods attached to the lower
cross-piece and suspending the center section,
5 the sliding collars on said rods and their set-
screws, and the oblique rods jointedly attached
to the collars and to the rear section of the
chair, substantially as set forth.

In testimony of the foregoing I have here-
unto subscribed my name in presence of two ro
witnesses.

MARTIN E. SCHUTT.

Witnesses:

E. C. WALDRON,

G. L. CHAPMAN.