(No Model.)

2 Sheets—Sheet 1.

N. J. WALSWORTH.

FOLDING SETTEE.

No. 342,886. Patented June 1, 1886.

FIG. 1.

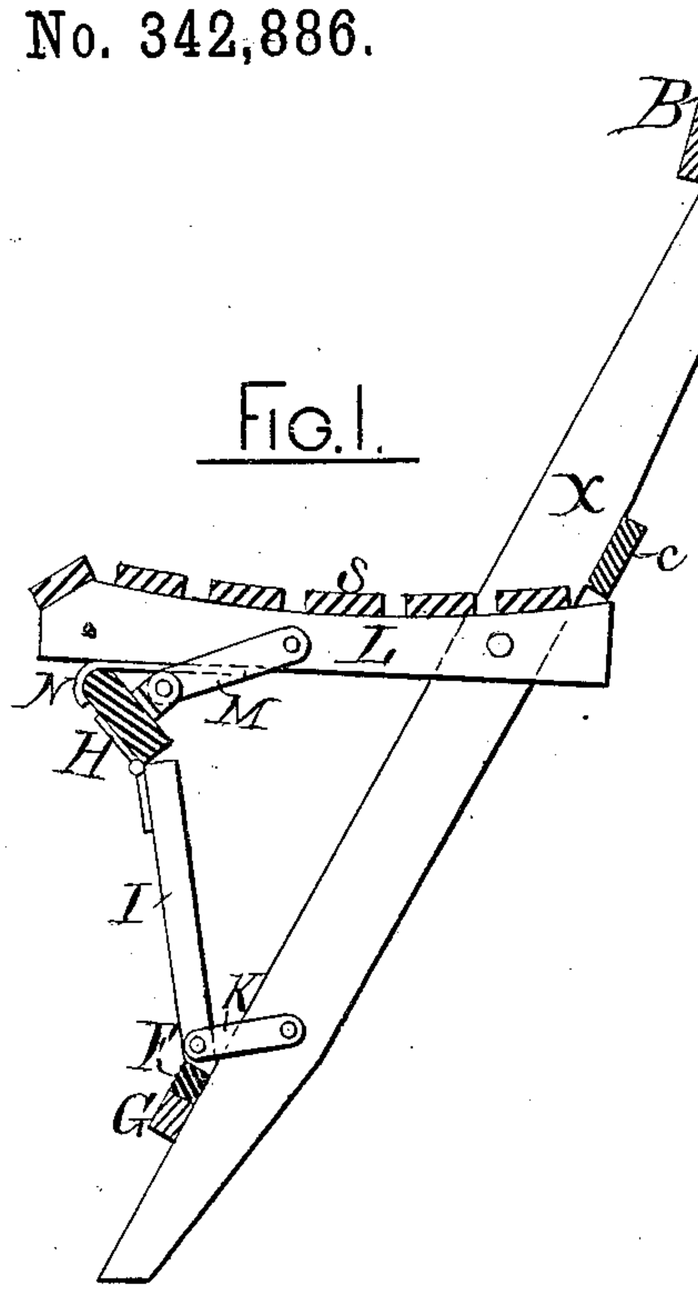


FIG. 2.

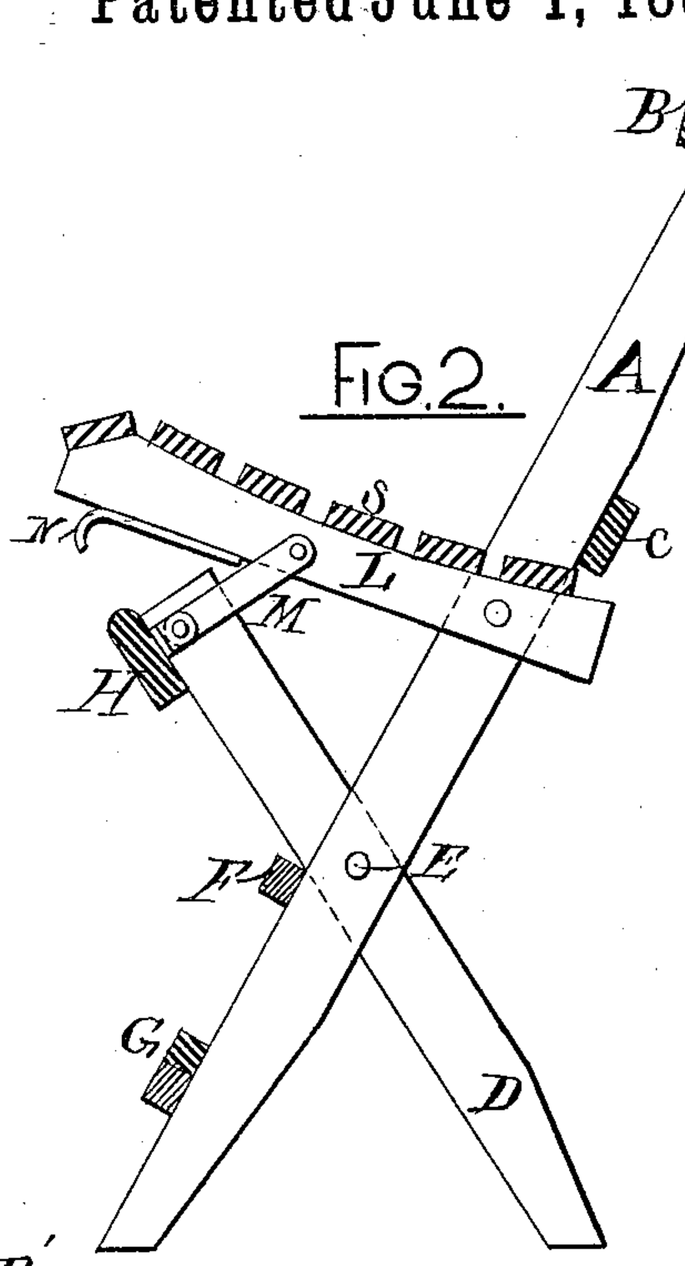
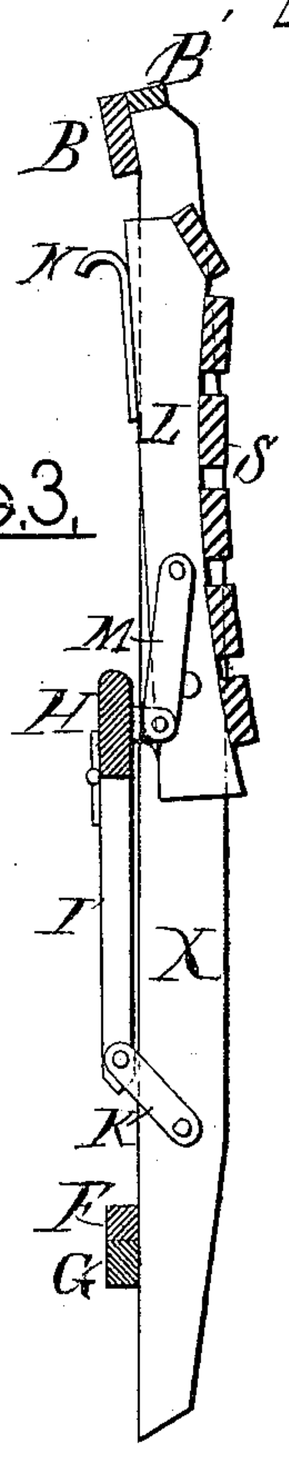


FIG. 3.



Witnesses.

Irving A. Weston

Arthur E. Parsons

Inventor.

Newel J. Walsworth

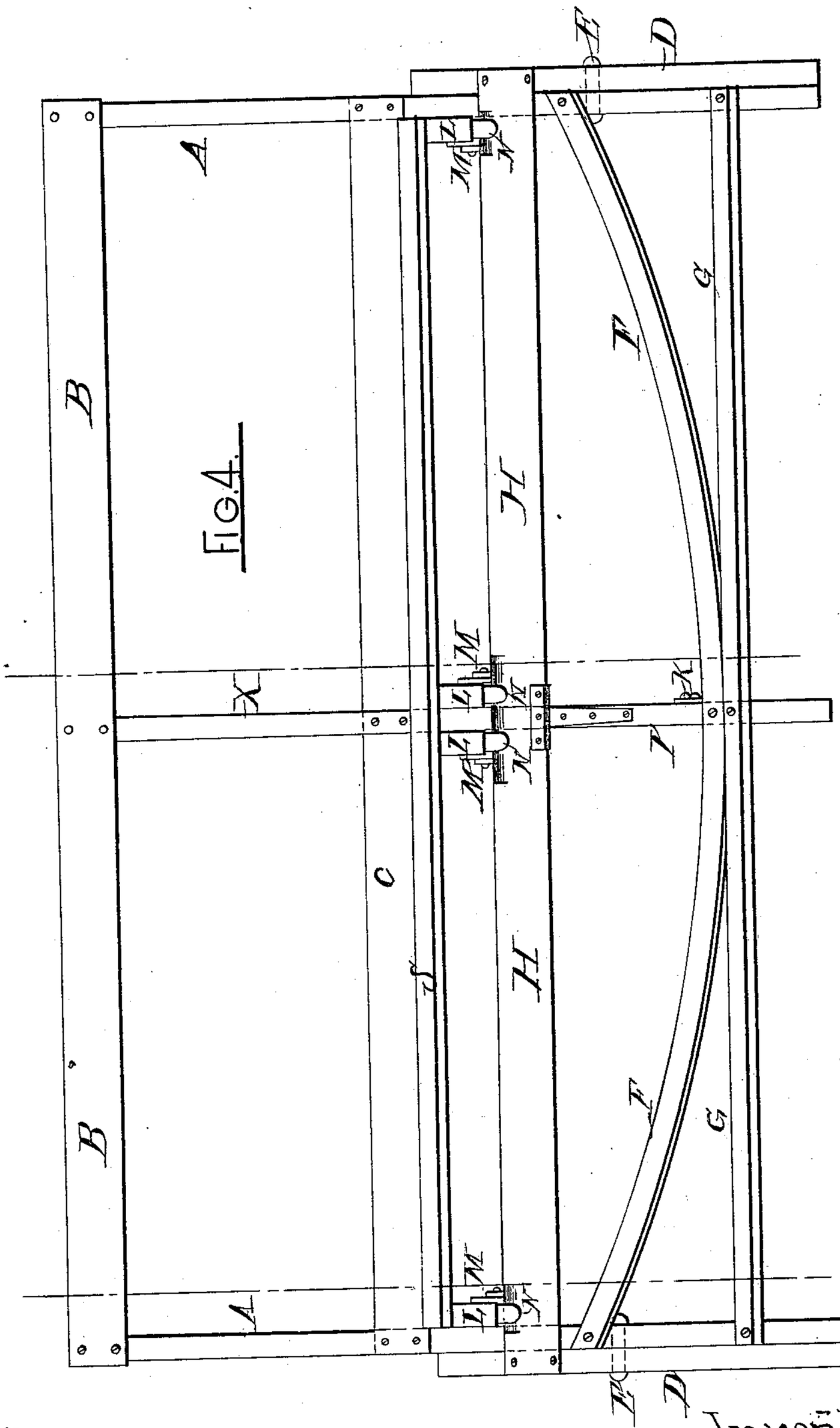
(No Model.)

2 Sheets—Sheet 2.

N. J. WALSWORTH.

FOLDING SETTEE.

No. 342,886. Patented June 1, 1886.



Witnesses

Irving A. Weston

Arthur C. Parsons

Inventor.

Newel J. Walsworth

UNITED STATES PATENT OFFICE.

NEWEL J. WALSWORTH, OF SYRACUSE, NEW YORK.

FOLDING SETTEE.

SPECIFICATION forming part of Letters Patent No. 342,886, dated June 1, 1886.

Application filed July 22, 1885. Serial No. 172,271. (No model.)

To all whom it may concern:

Be it known that I, NEWEL J. WALSWORTH, of Syracuse, Onondaga county, State of New York, have invented certain new and useful Improvements in Folding Seats, of which the following is a specification.

My invention relates to the mode of constructing folding settees or seats by which I impart great strength and lightness, rendering them, when folded up, very compact and portable for transportation. I obtain these objects by the devices illustrated in the accompanying drawings, in which—

Figure 1 is the central leg and brace for intermediate support between the end supports opened out; Fig. 2, the end supports or cross-legs; Fig. 3, the parts shown in Fig. 1 closed up; Fig. 4, front view of the seat open.

Like parts in the several figures are designated by the same letters of reference.

The end supports, one of which is shown in side elevation in Fig. 2, are composed of a long cross-leg, A, extending up from the floor in front to the top of the back in the rear. At the top of this leg A a back-rail B is affixed, and in addition thereto a top rail, B′, may be added, that extend the whole length of the settee, and are similarly attached to the leg A at the opposite end, and in addition thereto there is a back-rail C affixed to the rear side of legs A, just above the line of the seat. Below the seat there is a short leg, D, extending from the floor in rear up to the under side of the seat in front. A pivoting-bolt, E, unites the legs A and D where they cross, and just below this point a curved rail, F, (see Fig. 4,) and straight rail G are bolted to the front of leg A and unite in the center, where they are affixed to the center support, hereinafter described, and firmly brace the parts against side strains. To the upper end of the short legs D a rail, H, is bolted, running from end to end under the seat. Between the end supports there is a center support consisting of an inclined leg, X, similar in form and position to legs A, its upper end being bolted to the back-rail B and the rails C, F, and G, F and G being united at the point, as seen in Fig. 4. To the lowest part of leg X, just above rail F, the lower end of a brace or strut, I, is united by means of a link, K. Its upper end is hinged to the rail H, which at that point is attached to the pivoted part of the seat by a link, M. The seat S is made in two parts, extending from the end to the center leg, X. They are preferably made of parallel slats, that are affixed to the bars L, pivoted to the inner faces of the legs A A. The rear ends of these bars project back under the rail C, that serves to support them.

When the seat is opened out, the parts assume the positions shown in Figs. 1 and 2. When closed, as in Fig. 3.

Fig. 4 shows a front view of the settee opened.

As an additional security, I sometimes add the hooks N to the under sides of the bars L, that hook over the rail H. When opened out, they act as an additional support when the seat is required to bear a heavy weight.

Having thus described my invention, I claim—

1. In a settee, the combination of the strut I with the leg X and rail H, by means of the hinge uniting it with the rail H, and link K, uniting it with the leg X, as herein described.

2. In a settee, the sustaining-links M, in combination with the central leg, X, pivoted seat-bars L, rail H, and strut I, as specified.

3. In a settee, the combination of the hooks N with the bars L and rail H of the pivoted seat, constructed and arranged as and for the purposes above specified.

4. In a settee having a folding seat, the combination of the curved and straight rails F and G with the legs A A and X, to strengthen them against lateral pressure, as specified.

NEWEL J. WALSWORTH.

Witnesses:
F. H. WILLIAMS,
J. P. MUNRO.