(No Model.) 2 Sheets—Sheet 1.

H. J. HARWOOD.

FOLDING CHAIR OR SETTEE.

No. 379,066. Patented Mar. 6, 1888.

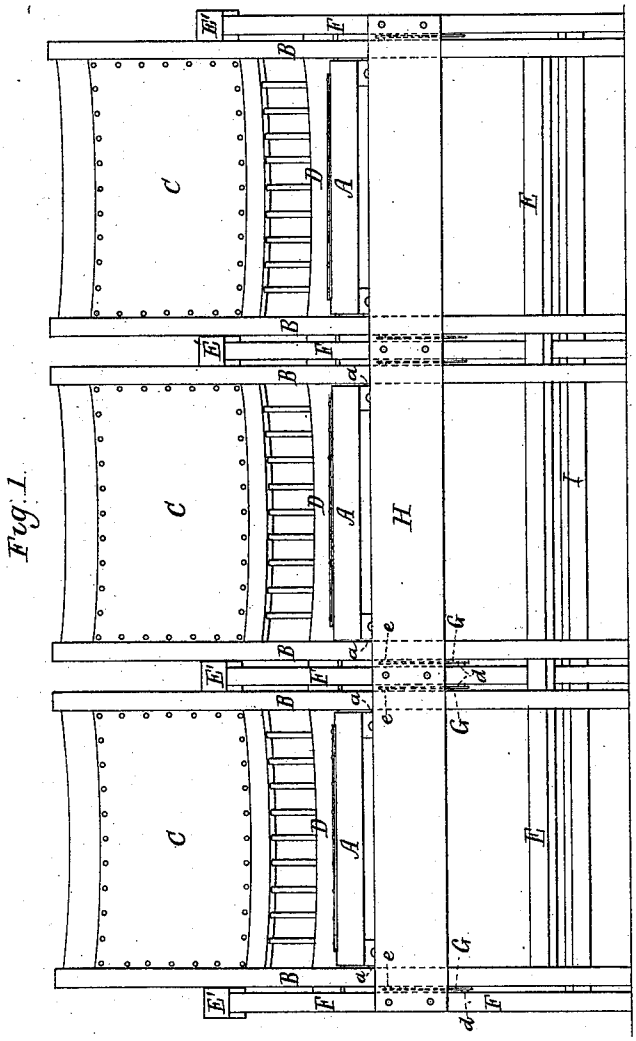


Fig. 1.

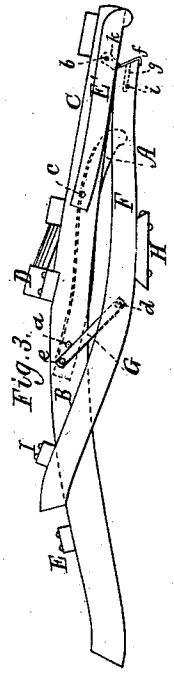


Fig. 3.

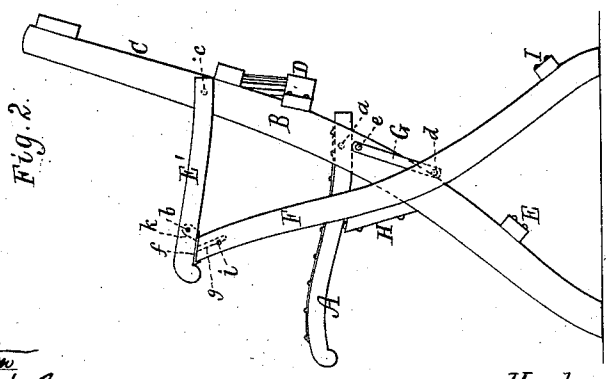


Fig. 2.

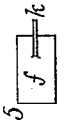


Fig. 5

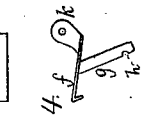


Fig. 4.

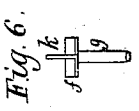


Fig. 6.

Witnesses.
Wm. H. Preston
C. F. Daniels.

Inventor.
Herbert J. Harwood.
by Singleton & Piper attys.

N. PETERS. Photo-Lithographer, Washington, D. C.

(No Model.) 2 Sheets—Sheet 2.

H. J. HARWOOD.

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Fig. 7.

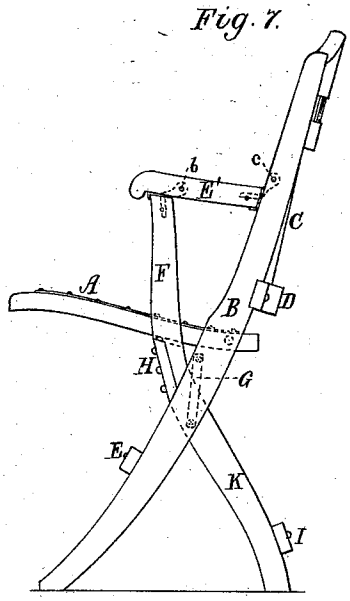


Fig. 8.

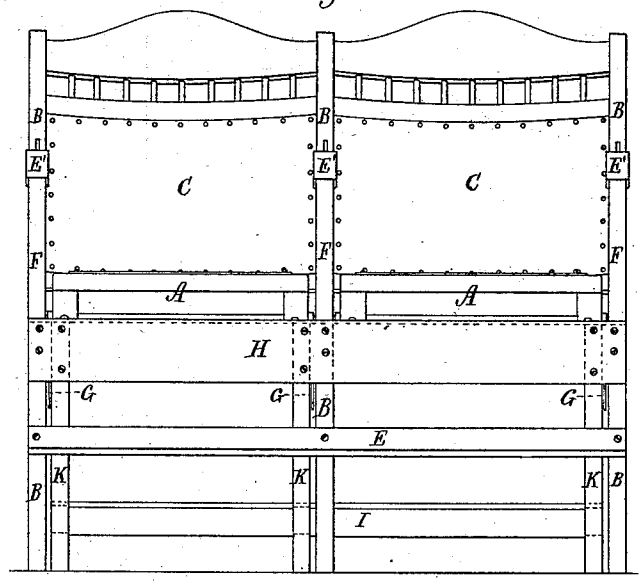
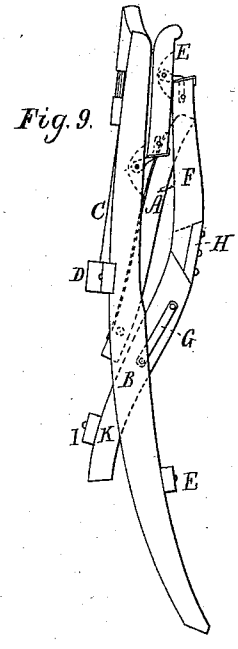


Fig. 9.



Witnesses.
Wm. H. Preston.
C. F. Daniels.

Inventor
Herbert J. Harwood.
by Singleton & Piper attys.

N. PETERS, Photo-Lithographer, Washington, D. C.

UNITED STATES PATENT OFFICE.

HERBERT J. HARWOOD, OF LITTLETON, ASSIGNOR TO THE HARWOOD MANUFACTURING COMPANY, OF BOSTON, MASSACHUSETTS.

FOLDING CHAIR OR SETTEE.

SPECIFICATION forming part of Letters Patent No. 379,066, dated March 6, 1888.

Application filed July 23, 1887. Serial No. 245,095. (No model.)

To all whom it may concern:

Be it known that I, HERBERT J. HARWOOD, of Littleton, in the county of Middlesex, of the Commonwealth of Massachusetts, have invented a new and useful Improvement in Folding Chairs or Settees; and I do hereby declare the same to be described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is a front elevation, and Fig. 2 a side elevation, of a settee in an unfolded state provided with my improvement. Fig. 3 is a side view of it as folded. Fig. 4 is a side view, Fig. 5 a top view, and Fig. 6 a back view, on an enlarged scale, of the device used by me to connect the standard F and arm-rest E′. Figs. 7, 8, and 9 show a modification of my invention.

The settee illustrated in Figs. 1, 2, and 3 of the drawings is provided with three seats, A, which are pivoted, as shown at *a*, to the standards B. Said standards constitute the side posts for the backs C and also the front legs of the settee, and they are securely connected with each other by the bars D E. Heretofore the rear legs of the settee have been arranged directly under the seat and against or connected with the inner sides of the standards B; but in carrying out my invention I have formed the rear legs as parts of standards F, and have arranged them, as shown in Figs. 1, 2, and 3, on the other or outer sides or between two next adjacent of said standards B, and have extended them up above the seat, so as to form supports for arm-rests E′, pivoted thereto, as shown at *b*, and also pivoted at their other ends to the sides of the standards B at *c*. A metallic link, G, is jointed to each of the standards B and F, as shown at *d* and *e*. Bars H and I connect the standards F and maintain them in their due relations to each other and to the standards B. The bar H, when the chair is unfolded and ready for use, as shown in Fig. 2, rests at its lower edge upon the front edge of the front leg portion of the standards B, and the seat bears upon its upper edge or upon elastic bearings therein.

To the upper end of the standards F, I apply a plate, *f*, having a lip extending down from its front edge to rest against the front edge of the said standard. Projecting down from the plate *f* is a tang, *g*, provided with a notch, *h*, said tang extending into the standard F and having a screw or pin, *i*, applied to it, so as to enter the said notch and securely hold the plate down upon the end of the standard. A fin, *k*, extends upward from the plate *f* into a groove in the arm-rest and is provided with a hole to receive the pin *b*, applied to the arm-rest E, all as shown in the drawings.

The chair or settee hereinbefore described is a very comfortable and substantial one and can be compactly folded, as shown in Fig. 3.

Fig. 7 is a side view, and Fig. 8 a front view as unfolded, and Fig. 9 a view in a folded state, of a chair or settee having the same mode of action during the operation of folding, but varying slightly in construction from that hereinbefore described.

In this chair the rear legs, K, are arranged directly under the seat, but are connected with each other by the bars H I, as heretofore. The support for the arm-rests in this case is a separate piece from the rear legs, and is secured to the bar H and arranged to extend upward directly in front of the standards B, as shown at F in Fig. 8. The arm-rests E′, I pivot to the front edge of the standards B, instead of on the side of the said standards, as in chair first described, by means of the same device used to connect them with the arm-rest supports, as shown in Fig. 7. The rear legs are also connected with the standards B by the links G.

In a folding chair or settee, I claim—

1. The combination of the standards B, constituting the side posts for the back C and also the front legs, and having the chair-seat pivoted thereto, the bars D and E, connecting said standards B with each other, the standards F, forming the rear legs and the support for the arm-rests, and connected with each other by the bars H and I and with the standards B by the arm-rests E′ and links G, jointed thereto, said standards F having a plate, *f*, provided with a perforated fin, *k*, secured to their tops, said fin to enter a groove in the arm-rest and receive a pin to connect it with said arm-rest, all substantially as shown and described.

2. The combination of the standards B, constituting the side posts for the back and also the front legs of the chair, and having the

seat arranged between and pivoted thereto, and being connected with each other by bars D and E, with the standards F, which, forming the rear legs of the chair, are connected with each other by the bars H I and extended above the seat, so as to form supports for arm-rests E′, jointed thereto and to the standards B, said standards B and F also being connected by links G, pivoted to each, all being arranged and to operate substantially as set forth.

3. The combination of the standard F, its lipped plate *f*, tang *g*, notch *h*, screw or pin *i*, and perforated fin *k*, with the grooved arm-rest E′ and pin *b*, all essentially as set forth.

4. The plate *f*, provided with a lip and a tang, *g*, notched as shown, and having a perforated fin, *k*, as set forth.

5. The combination of the standards B, having the seat arranged between them and pivoted thereto, said standards being connected with each other by the bars D E, also the rear legs of the chair arranged between said standards and jointed to them by the links G, and connected with each other by the bars H I, with the supports for the arm-rests secured to the said bar H, as shown, and extended upward directly in front of the standards B, the arm-rests E′ being pivoted to their supports and to the front edge of the standards, as shown, and all being arranged and to operate substantially as described.

HERBERT J. HARWOOD.

Witnesses:
S. N. PIPER,
E. A. MANSFIELD.