

(No Model.)

H. J. HARWOOD.

FOLDING CHAIR.

No. 381,367.

Patented Apr. 17, 1888.

Fig. 1.

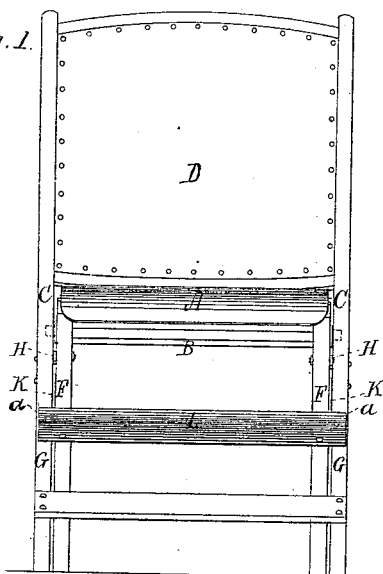


Fig. 4.

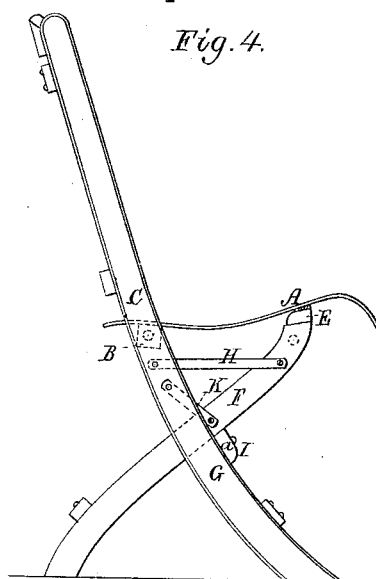


Fig. 2.

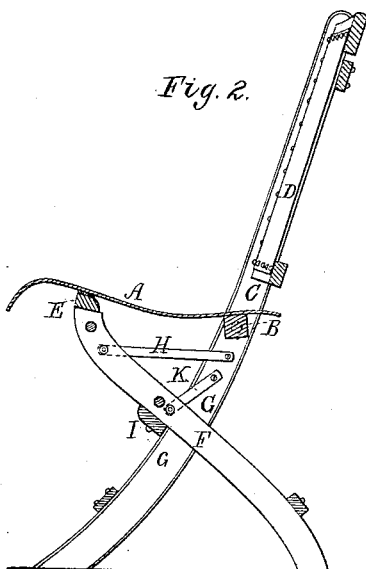
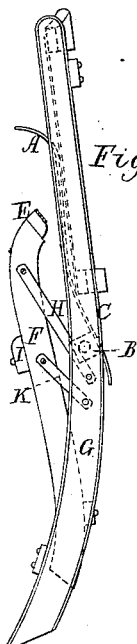


Fig. 3.



Witnesses.

A. H. Preston.

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# UNITED STATES PATENT OFFICE.

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## FOLDING CHAIR.

SPECIFICATION forming part of Letters Patent No. 381,367, dated April 17, 1888.

Application filed May 31, 1887. Serial No. 239,732. (No model.)

*To all whom it may concern:*

Be it known that I, HERBERT JOSEPH HARWOOD, of Littleton, in the county of Middlesex, of the Commonwealth of Massachusetts, have invented a new and useful Improvement in Folding Chairs; 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; Fig. 2, a vertical, median, and transverse section of a folding chair embodying my invention, the nature of which is defined in the claims hereinafter presented. Fig. 3 is a side view of the chair in a folded state. Fig. 4 is a side elevation representing the bar I when directly attached to the front legs.

In this chair the seat A is fastened upon a shaft, B, having journals projecting from its ends in bearings formed in the two posts C of the back D of the chair. When turned down, the seat rests upon a cushioned bar, E, connecting the upper ends of the two back legs, F, such legs being further connected by a bar, I, fastened to them at or near the middles of their front edges and extended outwardly beyond each of them a short distance, the said extensions *a* of such bar, when the chair is in use by a sitter, resting on the front legs, G. Furthermore, each of the legs F is connected to the upper parts of the front legs below the seat by two thin and narrow metallic arms, H and K, which, arranged as represented, are each pivoted to the front as well as to the back leg of the pair connected by them. In folding the chair these arms swing the legs F from the position shown in Fig. 2 into that represented in Fig. 3. With but one of the arms employed to connect such fore and back leg, the latter leg would not properly fold up to the seat, a pair of the arms, of which one of such pair is longer than the other, being essential for the correct operation of the back legs, the extensions *a* of the bar I outwardly beyond the back legs being necessary for supporting such legs in position when the chair is in use by a sitter.

Instead of the bar I extending from one back leg to the other and beyond the two, as stated, there may be to each back leg a suitable projection to bear on the front leg, as does the bar, when the chair may be in use.

Sometimes I attach the bar I directly to the front legs instead of to the back legs, it answering in either case as a support or stop for the back legs when the chair is in an unfolded state. Such application of the said bar is shown in Fig. 4.

I claim—

1. In the folding chair, the combination, with the fore and back legs, the back, and turn-down seat, the latter being hinged to the rear legs and independent of the front ones, of the two pairs of metallic arms arranged with and connecting the front and back legs and pivoted to them, as set forth, and of the bar I, connecting the back legs and extending laterally beyond them, so as to bear on the front legs when the chair is unfolded and in use.

2. The combination, with the fore and back legs, the back, and turn-down seat, the latter being hinged to the rear legs and independent of the front ones, of the two pairs of metallic arms arranged with and connecting the front and back legs and pivoted to them, as set forth, and of projections from the back legs to bear against the fronts of the front legs when the chair is unfolded or in use by a sitter, as specified.

3. The combination, with the fore and back legs and the turn-down seat, the latter being hinged to the rear legs and independent of the front ones, of the two pairs of metallic arms applied to the legs, and of the bar I, applied to either set of legs, so as to serve as a rest or stop for the back legs when the chair is unfolded and in use.

HERBERT JOSEPH HARWOOD.

Witnesses:

R. H. EDDY,  
R. B. TORREY.