2 Sheets--Sheet 1.

J. P. SAYLES.

Folding-Settees.

No. 168,053. Patented Sept. 21, 1875.

Fig. 1.

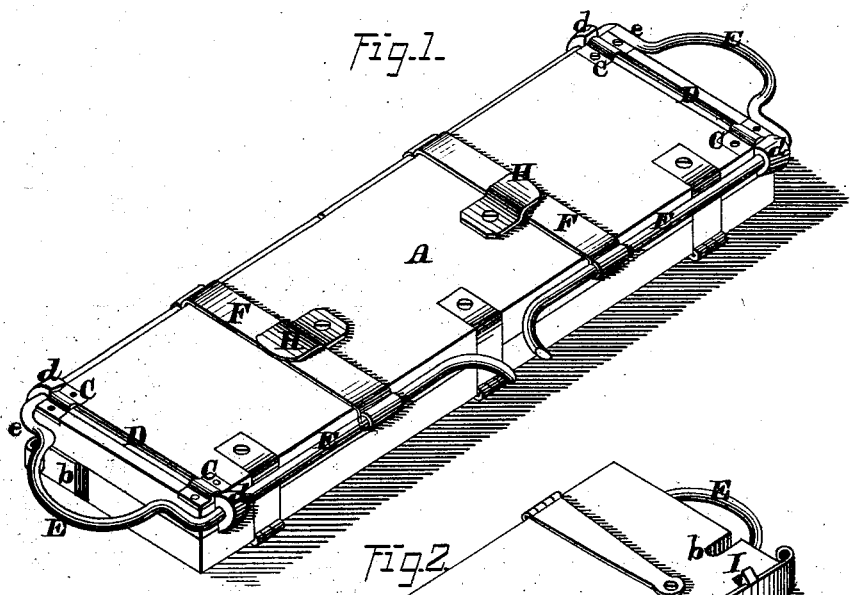
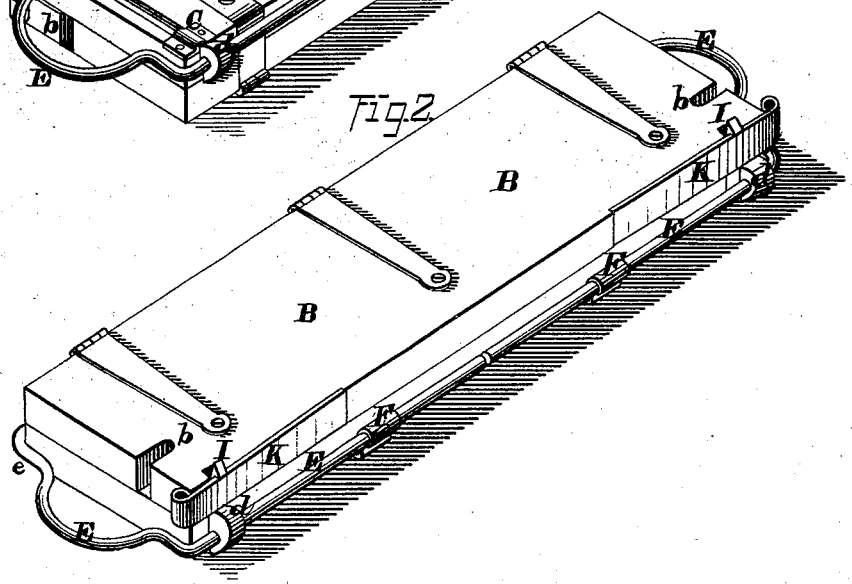


Fig. 2.



WITNESSES=

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John R. Young

INVENTOR.

Jno. P. Sayles, by

Pindle and Co. his attys

2 Sheets--Sheet 2.

J. P. SAYLES.

Folding-Settees.

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Fig. 3.

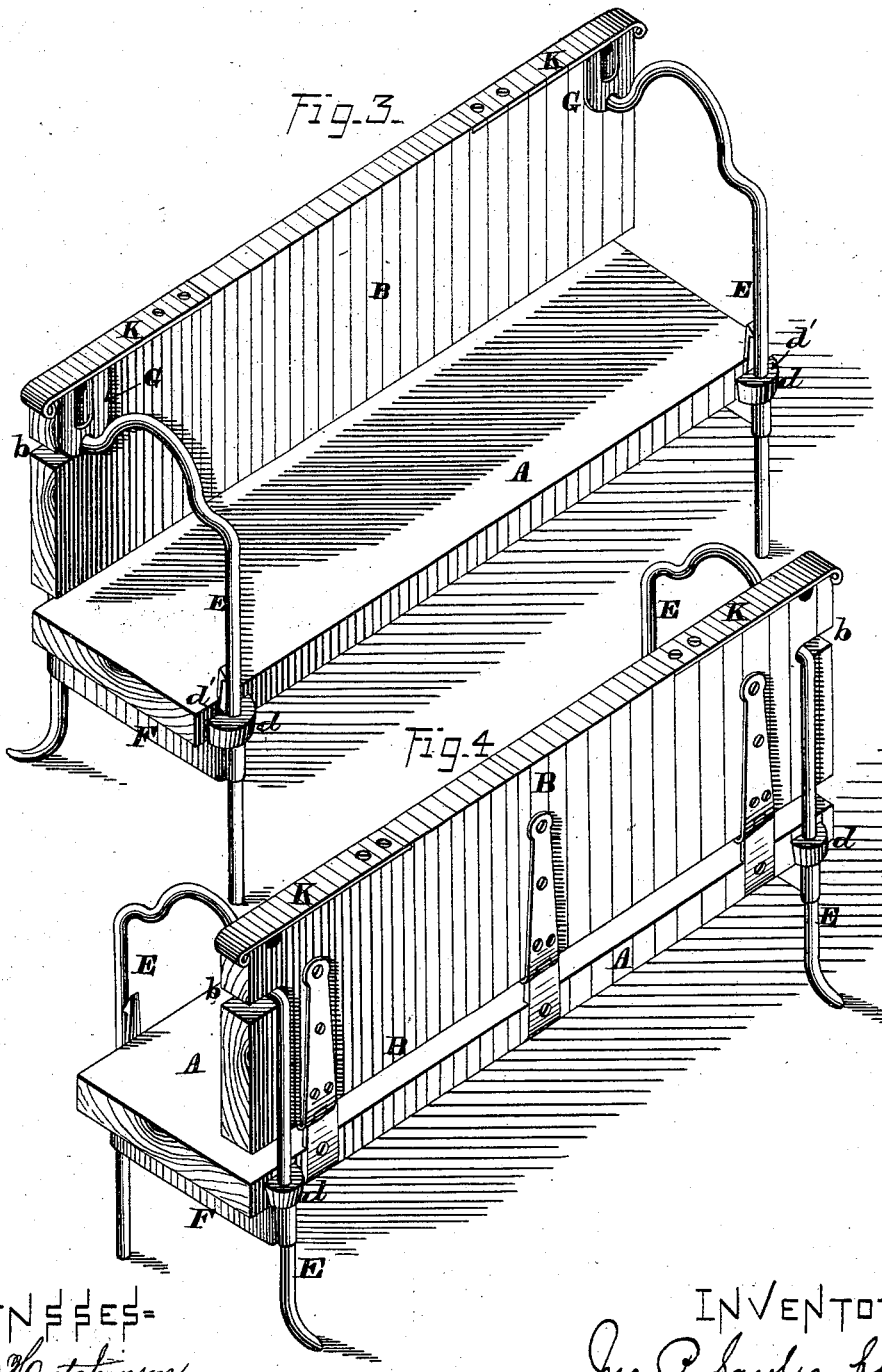

Fig. 4.

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UNITED STATES PATENT OFFICE.

JOHN P. SAYLES, OF STOCKBRIDGE, MASSACHUSETTS.

IMPROVEMENT IN SETTEES.

Specification forming part of Letters Patent No. **168,053**, dated September 21, 1875; application filed April 2, 1875.

To all whom it may concern:

Be it known that I, JOHN P. SAYLES, of Stockbridge, Berkshire county, and State of Massachusetts, have invented certain new and useful Improvements in Folding Settees; and do hereby declare that the following is a full, clear, and exact description of said invention, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a perspective view of the lower side of my device folded together and arranged for storage. Fig. 2 is a like view of the upper side of the same; and Figs. 3 and 4 are perspective views, respectively, of the front and rear sides of said device as arranged for use.

Letters of like name and kind refer to like parts in each of the figures.

The design of my invention is to produce a settee that, while perfectly adapted to use as such, shall be capable of being readily folded into a compact form for storage; to which end it consists, principally, in the peculiar construction of the combined legs and arms, and in the means employed for combining the same with the seat, substantially as and for the purpose hereinafter specified. It consists, further, in the means employed for locking the combined legs and arms in position when opened, substantially as and for the purpose hereinafter shown.

In the annexed drawings, A represents the seat, and B the back, of my settee, which have substantially the same dimensions, and are hinged together at one edge, so as to be capable of being folded upon each other, as seen in Figs. 1 and 2, or of being arranged at right angles to each other, as shown in Figs. 3 and 4. Journaled transversely within suitable bearings C and C at each end, upon or within the lower side of the bottom A, is a shaft, D, which, at each of its projecting enlarged ends *d* is provided with a round opening, *d'*, that receives one arm of a metal rod, E, which rod has the general shape of the letter U, as seen in Figs. 3 and 4, and at a point near its ends has its arms secured in a parallel position by means of a cross-band, F, composed of thin or sheet metal. As thus arranged the legs E and E are capable of being drawn outward through the shaft ends *d* and *d* until the cross-bars F and F come into contact therewith, when by turning said legs to and securing the same in a position at a right angle to the bottom A, as seen in Figs. 3 and 4, they will furnish a support for the latter. At the upper portion and rear side of each leg E the rod forming the same is bent horizontally inward to a distance slightly greater than the thickness of the back B. In order that the legs E and E, the upper portions or bows of which form arms for the settee, may be locked in the position named, a horizontal slot, *b*, is cut in each end of the back B at such point as to enable the horizontal portion *e* of the upper rear side of each arm to pass into and be contained within the same, in which position said arm is locked by means of a spring-detent, G, shown in Fig. 3, which is capable of vertical motion only, and, engaging with the latter, prevents the arm from moving outward until released.

It will be seen that as the rear face of the back B, from the slot *b* downward, rests, when in an upright position, against the inner side of the rear vertical portion of the arm E, and its front face above said slot bears against the upward curve of said arm at the forward end of the horizontal part *e*, said back is effectually locked in place and prevented from moving.

When the device is folded together each cross-band F passes under a sheet-metal catch, H, which prevents the legs from being turned until drawn outward sufficiently to remove said band from engagement with said catch. The seat A and back B are secured in a closed position by means of two catches, I and I, which are secured to the front edge, near the ends of said seat, and engage with two springs, K and K, that are attached to the contiguous edge of said back, as seen in Fig. 2.

The device is now complete, and is manipulated as follows: To unfold the settee the springs K and K are pressed outward, so as to release the catches I and I, and the back B turned to a vertical position, after which the legs and arms E and E are drawn outward and turned upward and locked in place. To refold the device the operation described is reversed.

Having thus fully set forth the nature and merits of my invention, what I claim as new is—

1. The combined legs and arms E *e*, constructed as shown, and combined with the seat A by means of the shaft D *d d'*, which is journaled upon or within the lower side of said seat, substantially as and for the purpose specified.

2. The combination of the combined leg and arm E *e*, pivoted upon the seat A, and the back B, provided with the slot *b* and spring-detent G, substantially as and for the purpose shown.

In testimony whereof I hereunto set my hand this 30th day of March, 1875.

JOHN P. SAYLES.

Witnesses:
J. T. WILSON,
H. J. DUNHAM.