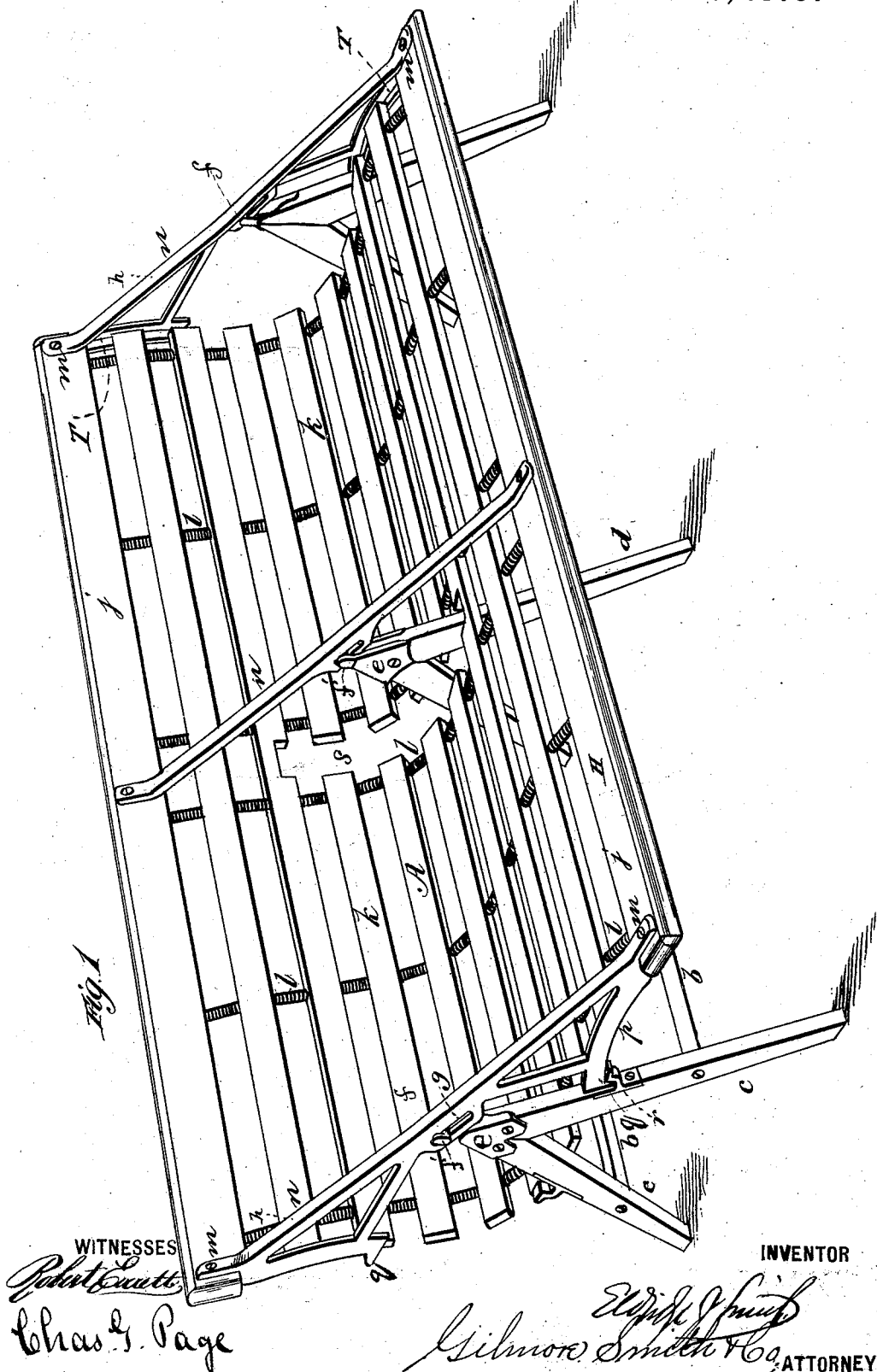


E. J. SMITH.

Settee.

No. 221,141.

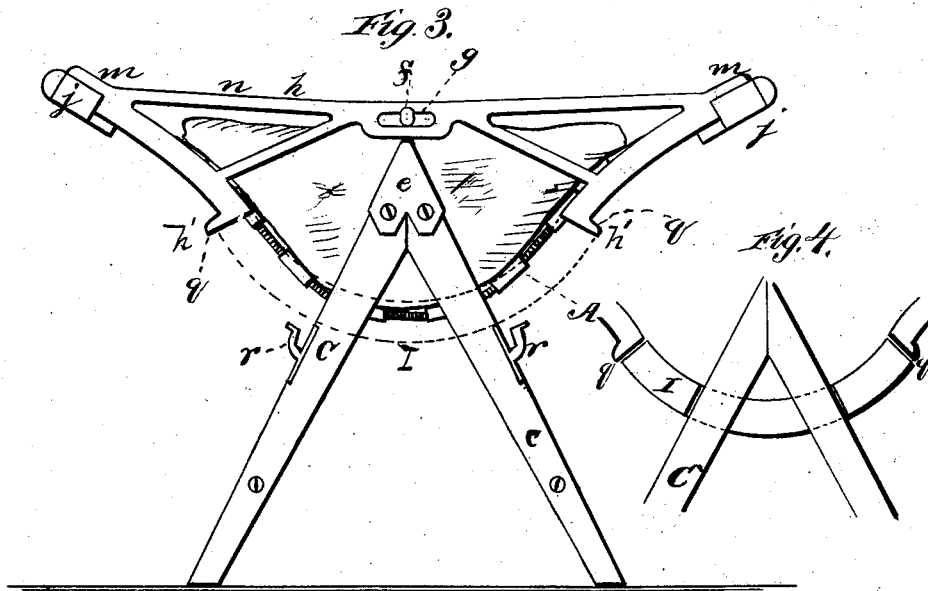
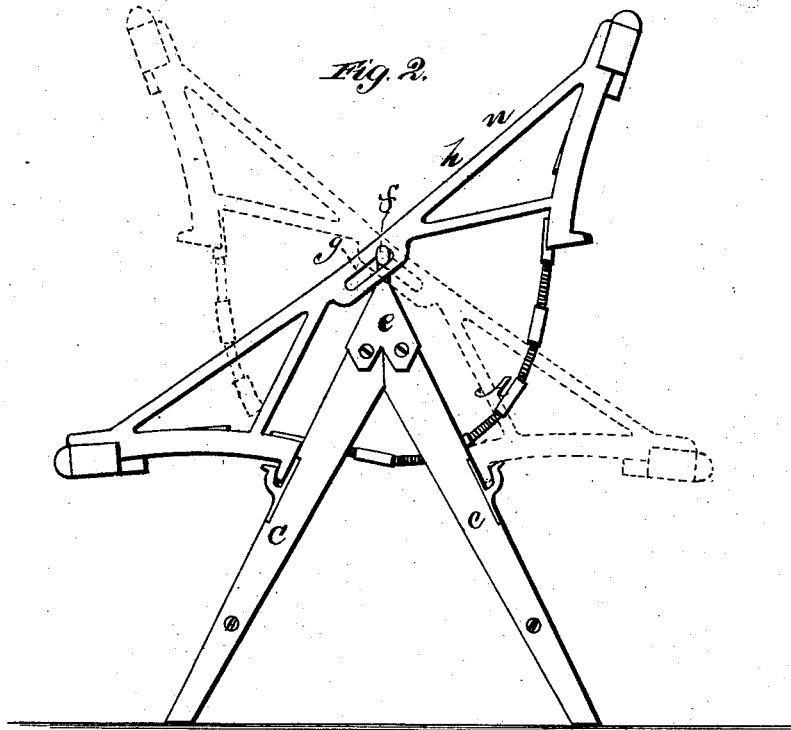
Patented Oct. 28, 1879.



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WITNESSES
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Chas. G. Page

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UNITED STATES PATENT OFFICE.

ELDRIDGE J. SMITH, OF WASHINGTON, DISTRICT OF COLUMBIA, ASSIGNOR
OF ONE-HALF OF HIS RIGHT TO J. CLEMENT SMITH, OF SAME PLACE.

IMPROVEMENT IN SETTEES.

Specification forming part of Letters Patent No. **221,141**, dated October 28, 1879; application filed
August 30, 1879:

To all whom it may concern:

Be it known that I, ELDRIDGE J. SMITH, of Washington, in the District of Columbia, have invented certain new and useful Improvements in Settees; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of the settee in perspective. Fig. 2 is an end view. Fig. 3 is a like view with the settee in another position; and Fig. 4 is a detail view, showing how the brace I is applied to the legs *c c* to hold the settee in an upturned position.

The nature of my invention relates to the construction of reversible settees, as will be fully set forth in the following specification, and afterward particularly pointed out in the claims.

The stationary frame-work which supports the reversible body of the settee is essentially composed of the side bars, *b b*, and the end bars, *c c*, and in cases where the settee is of considerable length the central supporting-bars *d d* may be employed.

The supporting-bars *c c* and *d d* are joined at their upper ends in any suitable manner, and, in addition to this, they are firmly held together by the flanged metal plates *e*, which may be secured upon both sides of the support, as illustrated in Fig. 1, where two of said plates are employed in connection with the bars *d d*, or as illustrated in this and the remaining figures, where the end bars, *c c*, have but one plate. These plates are formed with angular-shaped arms *f*, which constitute bearings for the end frames of the settee. Where but one plate is employed at the juncture of the supporting-bars the arm *f* will be formed with an enlarged end or guard, *f'*. I sometimes prefer to use two of these plates, as represented upon the central supports, as shown in Fig. 1. In such case I pass a bolt or rod through eyes in the apices of the plates, and through the slot *g* in the casting *h*.

To connect the plate *e* with the casting *h* and legs *c c*, the arm *f* having the guard is

first passed through the slot *g*, the oval shaped guard being in line with the length of the slot *g*, so as to pass through the same, after the insertion of which the plate *e* is turned down to a vertical position and secured to the upper ends of the inclined legs *c c*.

The seat is composed of side bars, *i*, and slats *k*, secured together by wires, springs *l* being arranged upon the wires intermediate of the slats and bars.

The end frames or castings, *h*, are secured at *m* to the bars *i*, and are essentially composed of the bars *n*, with slots *s* and the curved flanged arms *p*, which serve to brace or support the ends of several of the slats of which the seat is mainly composed. The bar *n*, however, which in Fig. 1 is shown centrally arranged, is formed without the arm *p*, such not being especially required at this point.

The ends of arms *p* have a hook or catch piece, *q*, thereon, which is designed to engage with a spring-catch, *r*, or equivalent device, located at each end of the settee.

The slats are cut away at the center of the seat, so as to form an opening, *s*, whereby the seat may be swung upon its bearings without check from the supports *d*. When these supports are not employed the slats will not, of course, be cut away.

The brace I (shown by the dotted lines in Fig. 3) secures the settee-frame in an upturned position, whereby either a mattress may be placed therein and a bed formed or boards laid upon the same, for the purpose of forming a table for church and school fairs, and the like.

This brace-piece may be notched or cut away, so as to fit upon the end supporting-bars *c c*, and is curved so as to extend up to the ends *h' h'* of the end casting or frame.

The arms *p p* have inwardly-projecting flanges *T T*, which form supports for the ends of several of the slats *k*, as shown.

The manner of using my improved reversible settee is as follows: When in position for use the arms *f* will be at the upper ends of slots *g*, and the hooks or projections upon arms *p* in engagement with the catches *r*. In order to reverse the seat, raise the same until the arms are freed from the catches, and then give

to the same a quarter-rotation upon its end bearings, so that the position of the seat and back will be reversed, as indicated by dotted lines, Fig. 2. In this position the entire swinging frame will slide down until the arms are engaged with catches, as before.

In the above operation it will be seen that the slots *g* play an important part, since when the settee is reversed they admit of its dropping into the position shown in Fig. 1, and of the weight being transferred from one side to the other of the bearings of the reversible body, whereby the seat will be held without the aid of catches.

I claim—

1. The plate *e*, constructed as described, and provided with side flanges, forming a recess for the reception of the upper ends of the inclined legs *c c*, and with the arm *f*, having the guard *f'*, for preventing its withdrawal from the slot *g* after the plate *e* has been secured to the upper ends of the inclined legs *c c*, substantially as and for the purposes set forth.

2. The casting *h*, having straight arm *n*, provided with the curved arms *p p*, hooked projections *q q*, supporting-flanges *T T*, and slot *g*, constructed and operating substantially as specified.

3. The casting *h*, having its arm slotted at *g*, and provided with the arms *p p*, having hooked projections *q q*, in combination with the arms *f* of plates *e e* and the catches *r* upon the inclined legs *c c*, as and for the purposes set forth.

4. The combination of the brace *I*, notched to fit upon the legs *c c*, with the reversible settee, having at the ends the castings *h*, with projecting arms *p*, substantially as and for the purposes set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

ELDRIDGE J. SMITH.

Witnesses:

ROBERT EVERETT,

CHAS. G. PAGE.