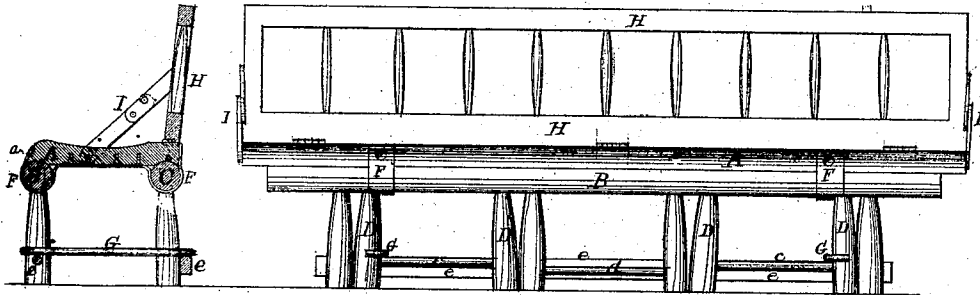


*H. T. Morse,*

*Settee.*

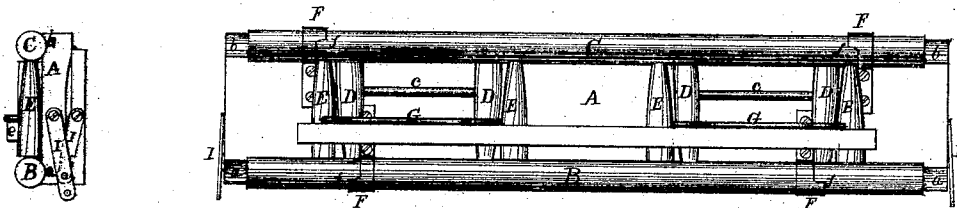
*No. 111,371.*

*Patented Jan. 31. 1871.*



*Fig. 2.*

*Fig. 1.*



*Fig. 4.*

*Fig. 3.*

*Witnesses.*

*F. F. Fay*  
*A. B. Brown*

*Inventor.*

*Henry T. Morse*

# United States Patent Office.

HENRY T. MORSE, OF ATHOL, MASSACHUSETTS, ASSIGNOR TO L. MORSE & SON, OF SAME PLACE.

Letters Patent No. 111,371, dated January 31, 1871.

## IMPROVEMENT IN FOLDING SETTEES.

The Schedule referred to in these Letters Patent and making part of the same.

I, HENRY T. MORSE, of Athol, in the county of Worcester and State of Massachusetts, have invented certain new and useful Improvements in Settees for use in Vestries of Churches and Public Halls, of which the following, taken in connection with the accompanying drawing, is a specification.

### *Nature and Objects of the Invention.*

It is very often desirable to remove the settees from a hall or vestry so as to have an unobstructed floor, and in many cases, owing to the large space which the settees, as usually constructed, occupy, there is no convenient place to put them, whereas, if the settees were made so that they could be folded up so as to occupy less than one-half the space of those now in use, they could be conveniently packed away in a small space. The same construction would very much facilitate and cheapen the transportation of the settees from the manufactory to the place where they are to be used.

To gain the advantages mentioned above is the object of my invention; and

It consists in setting the front and rear legs, respectively, in cylindrical girders nearly as long as the seat in such a manner that each set of legs shall form a frame independent of the seat or other set of legs, and securing said frames to the front and rear edges of the under side of the seat in such a manner that they may both be folded up under the seat, the legs in either frame being so arranged that one set will fold within the other, so that both sets will occupy no more depth of space than one would.

It also consists in securing the back to the upper side of the seat in the same or a similar manner, so that it may fold down flat upon the seat, in combination with the above-described arrangement of legs.

It also consists in the combination with leg-frames and a back secured to a seat in the manner above described, of suitable locking devices to secure them in place.

### *Description of the Drawing.*

Figure 1 is a front elevation of a settee embodying my improvements;

Figure 2 is a transverse section on line *x x* on fig. 1;

Figure 3 is a plan of the under side of the settee when folded; and

Figure 4 is an end view of the same folded.

### *General Description.*

A is the seat of the settee, made in the usual way, except that it has two concave grooves formed in its

under side at *a* and *b*, into which fit the cylindrical stretchers B and C.

D D are the front legs, the upper ends of which are secured in the stretcher B and connected in pairs near their lower ends by the rungs *c c*.

E E are the back legs, the upper ends of which are secured in the stretcher C, and connected near their lower ends by the rung *d* and the long tie *e*.

The stretchers B and C are secured to the under side of the seat A by metallic straps F F, partially surrounding the stretchers, and secured to the seat by screws, as shown, said straps being so formed as to present a stop, *f f*, to limit the outward movement of the leg-frame by coming in contact with the leg in a perfectly obvious manner.

G G are stay-rods hinged to the tie *e* on the rear legs, the other end of which is formed with a hook to embrace the front leg, and thus hold the legs in their proper position.

Instead of the hook on the front end of the stay-rods G G, I contemplate making the forward end of said stay-rods straight, and securing to the back side of the front leg a catch, into which the front end of the stay-rods latch.

H is the back, secured to the upper side of the seat by ordinary hinges, as shown; or the lower rail of the back may be made round and be secured to the seat in the same manner as the stretchers B and C.

I I are jointed braces, so arranged as to hold the back firmly in position when in use, while, at the same time, the center joint will admit of the back being folded down upon the seat, as seen in fig. 4.

The operation of my invention may be readily understood without further explanation.

### *Claims.*

1. The combination and arrangement of the cylindrical stretchers B and C, the straps F F, and the seat A, constructed as described, whether said stretchers form a part of the leg-frame or a part of the back.

2. The concave grooves *a* and *b*, in combination with the stretchers B and C, substantially as described.

3. The combination and arrangement of the seat A, the cylindrical stretchers B and C, with the legs D and E secured therein, the straps F F, the hinged back H, the jointed braces I I, and the stay-rods G G, all constructed substantially as herein described.

Executed at Athol this 12th day of December, 1870.

Witnesses:

F. F. FAY,

A. B. BROWN.

HENRY T. MORSE.