J. J. Wilson,

Bracket Seat.

No. 113,607. Patented Apr. 11. 1871.

Fig. 1.

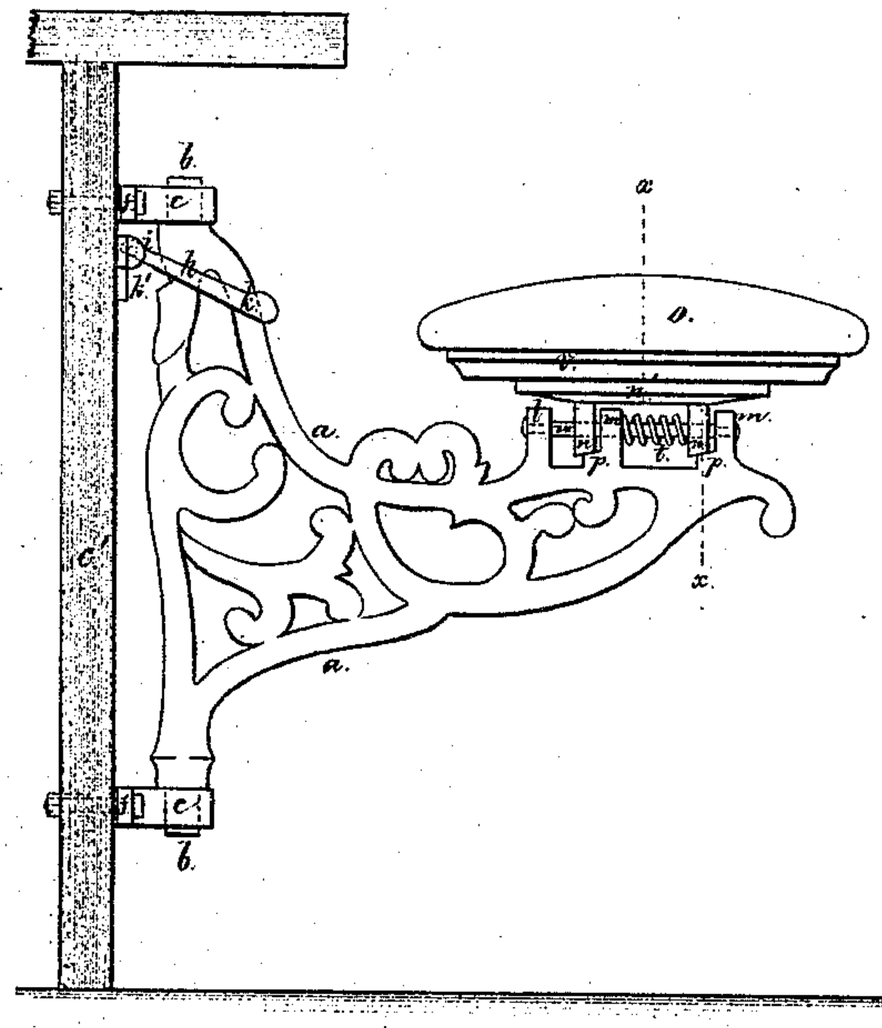


Fig. 3.

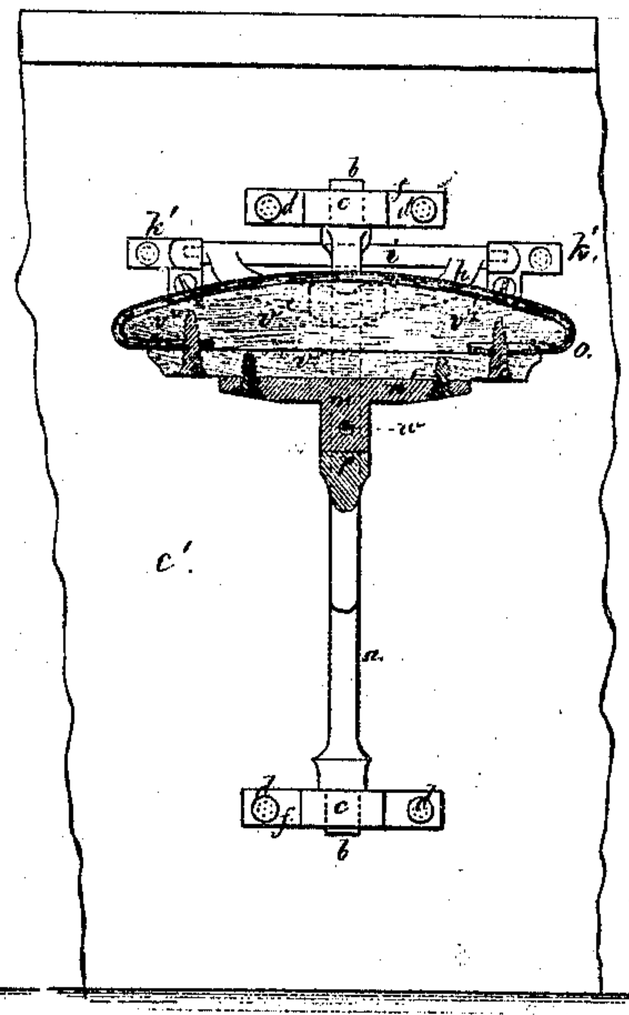
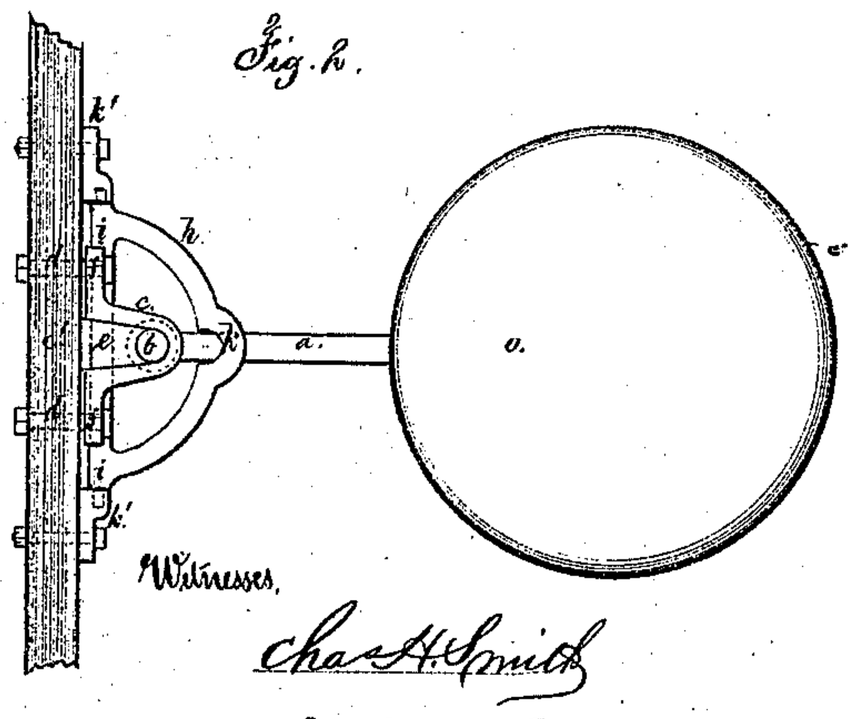


Fig. 2.



Witnesses,

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JOHN J. WILSON, OF NEW YORK, N. Y.

Letters Patent No. 113,607, dated April 11, 1871.

IMPROVEMENT IN BRACKET SEATS.

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

To all whom it may concern:

Be it known that I, JOHN J. WILSON, of the city, county, and State of New York, have invented a certain new and useful Improvement in Bracket Seats; and the following is hereby declared to be a full and correct description of the same.

A folding seat has heretofore been made, in which the seat has been upon the outer end of a swinging bracket, and it has been so fitted that it could be turned at right angles to its usual horizontal position, and, with said bracket, be turned so that it would be against the vertical surface from which the bracket is supported, as may be seen in Letters Patent No. 65,115, granted May 28, 1867.

Several difficulties are met with in the use of this folding seat; the boxes for the pivots of the bracket become loose from the constant turning to which the bracket is subjected; hence said bracket turns too easily after being in use but a short time, and said bracket and seat are liable to be moved by the dress of a person about to sit upon the seat, which is sometimes the cause of an accidental fall.

The seat itself in said patent is supported in V-bearings upon the end of the swinging bracket, and is fitted to move parallel with the pin upon which the seat turns, and a spring is provided to keep said seat in its proper position; but it is found that the rough usage to which the seat is exposed soon causes the V-bearings to wear, so that the seat moves upon its hinge-pin and becomes very unsteady in use.

My invention is made with special reference to meeting all these difficulties, and providing a folding seat which will be entirely free from all the objections before named.

I make use of journal-boxes for the pivots of the bracket, which are provided with blocks, forming part of the bearings for said pivots, and fitted so that more or less friction can be applied to said pivots to prevent the bracket turning too easily.

I also make use of a swinging latch, to set over the arm of the bracket and keep said bracket in its correct position and prevent its turning accidentally.

I make the bearing-surfaces of the lugs which support the turning seat as flat inclined surfaces, which entirely prevents the seat moving in its horizontal position; and I form the seat itself so that the shape given to said seat is from the block of wood forming said seat, and not by the stuffing heretofore usually employed.

In the drawing—

Figure 1 is an elevation of my improved folding seat;

Figure 2 is a plan of the same; and

Figure 3 is a cross-section at the line *x x*, fig. 1.

a represents the bracket of the seat, and

b b are the pivots upon which said bracket swings or turns.

c c are the journal-boxes for said pivots, attached to the counter or other vertical surface, *c'*, by the bolts or screws *d d*, and provided with the friction bearing-blocks *e e*.

These blocks *e e* are made, as shown more clearly in fig. 2, so that their outer ends will rest against the surface *c'*, and said blocks should be of such length as to keep the flanges *f f* of the boxes *c c* away from the counter *c'*, so that more or less friction can be applied to the pivots by tightening the bolts *d d* to prevent the bracket *a* turning too freely.

To prevent the bracket and seat moving at all when in position for use, I employ the swinging latch *h*, moving upon the axis *i*, and provided with a notch at *k* to set over the arm of the bracket *a*, and securely hold said bracket when in the position shown in figs. 1 and 2.

I prefer to make the bearings *k'* for the axis *i* of the latch with the L-flanges shown, so that more than one screw or bolt may be used to secure said bearing to the counter *c'*, and prevent said bearing moving from its correct position by strain from the bracket *a* and latch *h*.

l m m are lugs upon the outer end of the bracket *a*, and *n n* are lugs upon the under side of the plate *n'*, which receives the seat *o*, and at *p p* offsets from the lugs *m m* are formed, upon which the under sides of the lugs *n n* rest when the seat is in a horizontal position.

The offsets *p p*, as well as the under sides of the lugs *n n*, being formed with flat inclined surfaces, as shown in figs. 1 and 3, it will be understood that the tendency of the spring *t* is to force the lugs *n n* toward the lugs *m m* and keep the surfaces *p n* in contact, and that such surfaces being flat, there can be no play of the seat *o* upon its axis *w*.

The body for the seat *o* is formed of two blocks, *v* v^1, the block *v* being secured to the plate *n'* by screws, or otherwise, and to the block v^1 I give the general shape required for the upper part of the seat.

Upon the upper surface and sides of the blocks v^1 two or more thicknesses of wadding are applied, as at v^2, to form a cushion for the seat, and over the wadding any desired covering may be applied, the ends of said covering material extending partially beneath the under surface of the block v^1, and secured by tacks, so that, when the two blocks are placed together as shown in fig. 3, and secured by screws or otherwise, the ends of said covering material will be out of sight and there is nothing to mar the appearance of the seat.

I claim as my invention—

1. The swinging latch *h*, combined with the swing-

ing bracket *a* and seat, substantially as and for the purposes set forth.

2. The boxes for the pivots *b b* of the swinging bracket and seat, made with the block *e* and strap *f*, the latter being secured by bolts or screws, so as to apply the necessary friction to the pivots of said bracket, as and for the purposes set forth.

3. The lugs *n n* upon the seat *o*, with nearly flat bearing-surfaces corresponding to the inclined surfaces *p p* on the bracket *a*, in combination with the spring *t*, as and for the purposes set forth.

4. The seat *o*, made of a wooden block, v^1, with sheets of wadding introduced between such block and the covering fabric, in combination with the block *v* and attachments to the swinging bracket, as set forth.

Signed by me this 23d day of February, A. D. 1871.

JOHN J. WILSON.

Witnesses:

CHAS. H. SMITH,

GEO. T. PINCKNEY.