

J. J. WILSON.  
PIVOT FOR SEATS.

No. 113,606.

Patented Apr. 11, 1871.

Fig. 1.

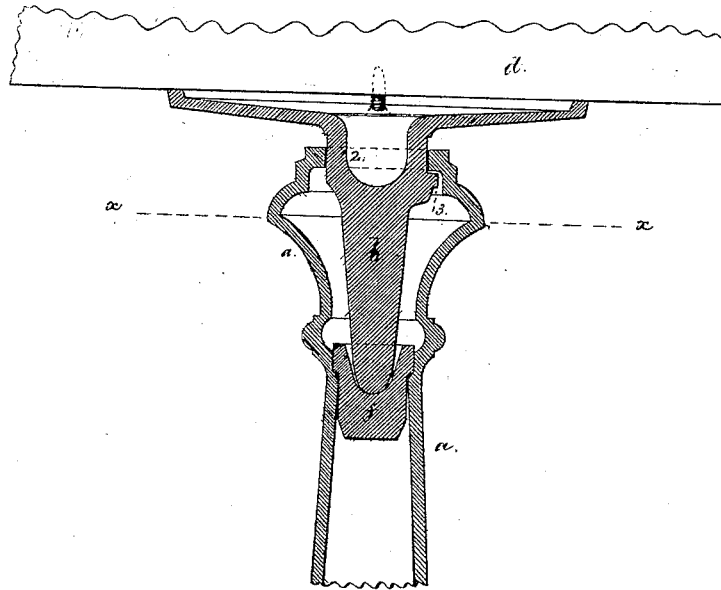
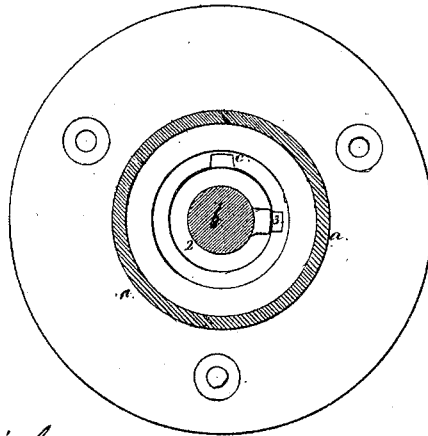


Fig. 2.



Witness

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# United States Patent Office.

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

Letters Patent No. 113,606, dated April 11, 1871.

## IMPROVEMENT IN PIVOTS FOR 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 and State of New York, have invented an Improvement in Pivots for Seats; and the following is declared to be a correct description thereof.

Pivots for seats have been made by a projecting tapering pin secured to the seat and passing through a ring attached to the legs, and the end of the pivot resting in a metal socket; and in some cases a pin has been inserted transversely of the pivot, below the ring, to prevent the seat lifting off the legs.

My invention is made with reference to attaching a seat to an iron column or pedestal.

In casting the hollow column it is very necessary that the core should run from end to end; hence a socket for the end of the pivot cannot easily be cast with the column, because the core would be in two parts; besides this it is difficult to clean out the socket so that the parts will not wear rapidly, and the seat is liable to stand at an inclination to the column.

To obviate these difficulties I cast the column hollow from end to end, and afterward bore out the ring at the upper end for the pivot, and also the seat for a movable chilled iron socket that is dropped into place and receives the lower end of the pivot.

The seat is prevented from lifting off the column by a block that projects from one side of the pivot, and passes through a notch in the ring so as to be below that ring and connect the seat and column, except when the block is turned to coincide exactly with the notch.

In the drawing—

Figure 1 represents the upper end of the column and pivot, and a portion of the seat by a vertical section; and

Figure 2 is an inverted plan at the line *x x*.

The column *a* is of any desired size or ornamental configuration. It is cast hollow, and the hole is entirely through the same, so that the core can be easily supported.

The upper end of this column *a* is made with a circular opening, notched at *c*; and this opening is of a size corresponding to the portion 2 of the pivot *b*, that sets within the same, and the notch *c* passes the block 3, for the purposes aforesaid.

The upper end of this pivot *b* is made with a flange, to be screwed to the seat *d*, and the lower end is rounding to set into the socket *f*.

This socket *f* is made of iron, cast into a metal mold, so as to be free from grit, and have a very hard surface. Thereby the parts will move on each other with little friction, and neither the pivot nor the socket will wear out rapidly.

The socket is dropped into the column, and its shoulder sits into a recess formed within said column. I prefer that this recess should be bored out so as to be true with the opening in the top of the column.

I claim as my invention—

The hollow metallic column *a* with a circular opening at its upper end, in combination with the movable socket *f* and pivot *b*, substantially as and for the purposes set forth.

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

JOHN J. WILSON.

Witnesses:

CHAS. H. SMITH,  
GEO. T. PINCKNEY.