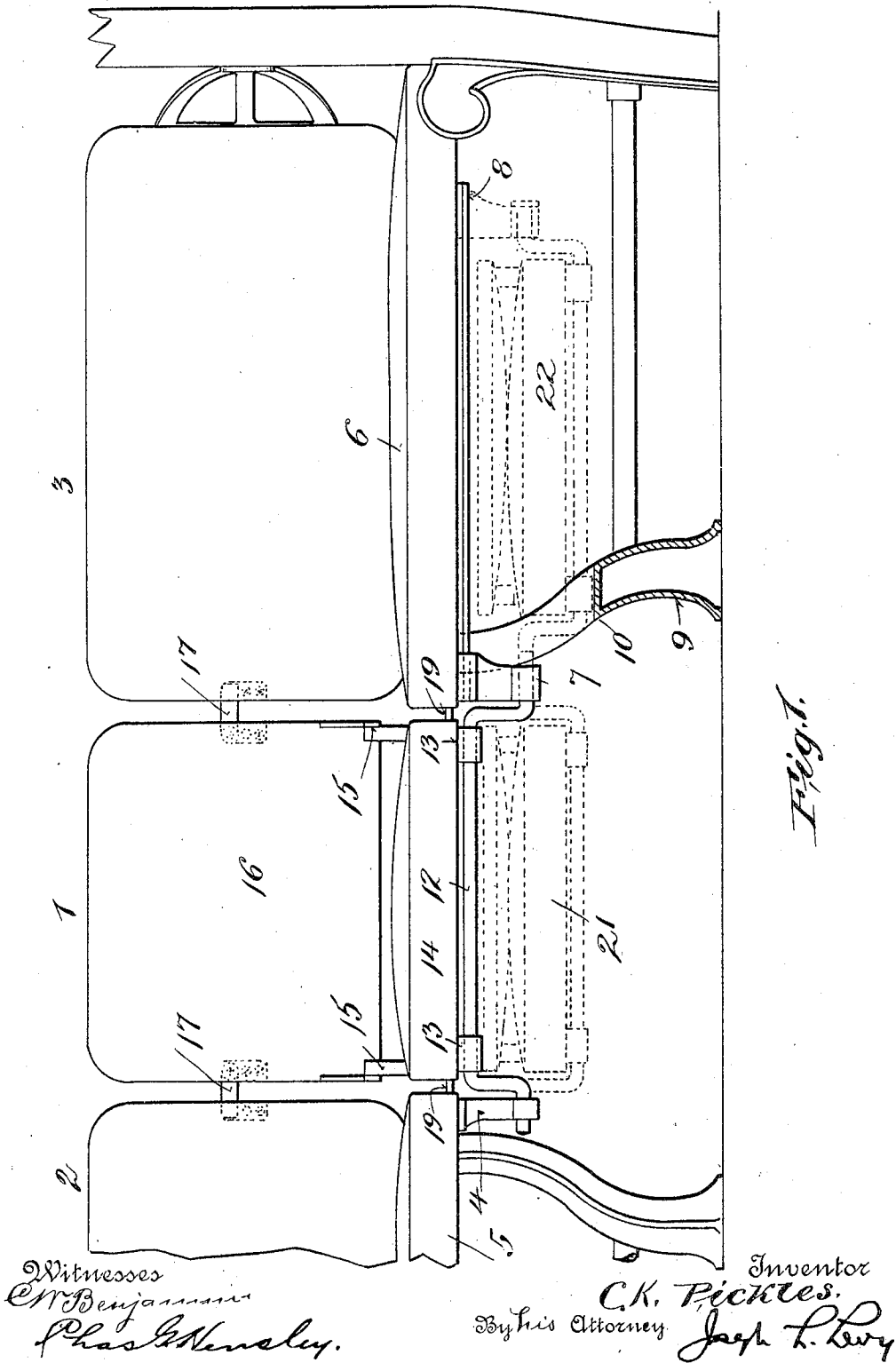


No. 808,679.

PATENTED JAN. 2, 1906.

C. K. PICKLES.
DISAPPEARING SEAT.
APPLICATION FILED FEB. 9, 1905.

2 SHEETS—SHEET 1.



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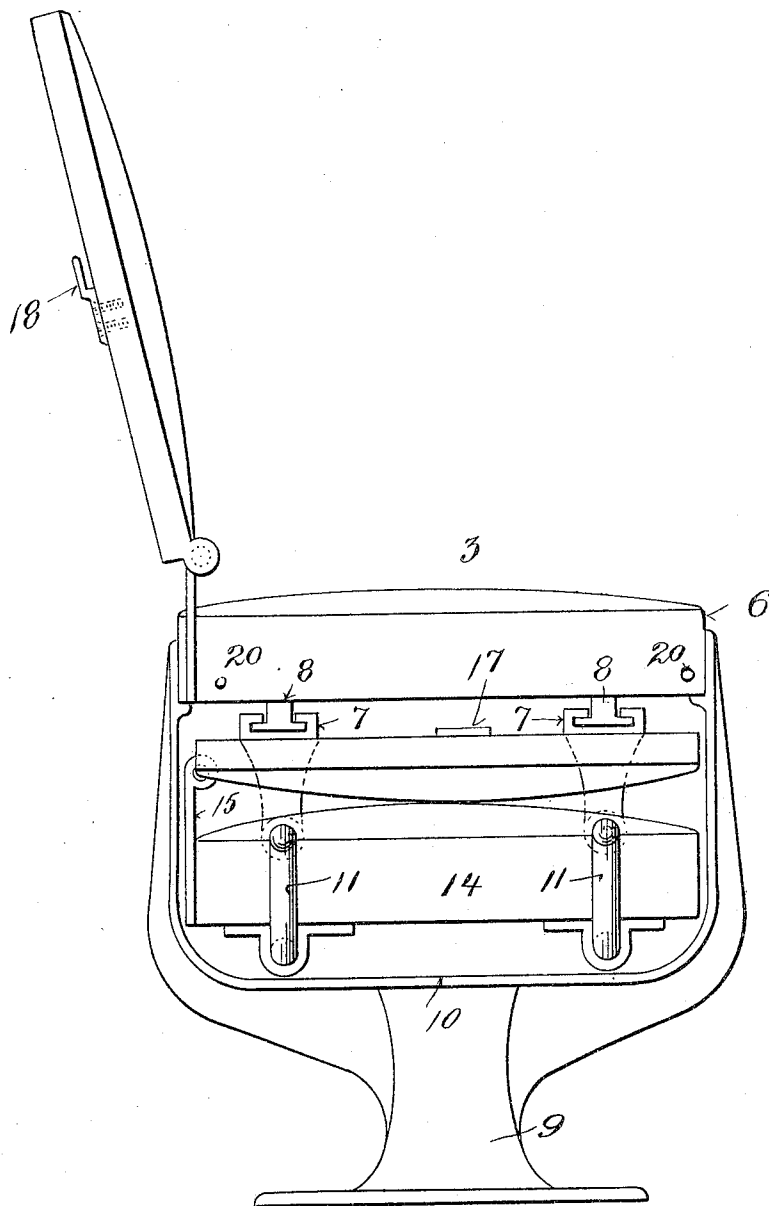


Fig. 2.

Witnesses
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UNITED STATES PATENT OFFICE.

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DISAPPEARING SEAT.

No. 808,679.

Specification of Letters Patent.

Patented Jan. 2, 1906.

Application filed February 9, 1905. Serial No. 244,888.

To all whom it may concern:

Be it known that I, CHARLES K. PICKLES, a citizen of the United States, and a resident of the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Disappearing Seats, of which the following is a specification.

The object of my invention is to provide a seat which may be inserted in the aisle of a car or removed therefrom and stored under a seat-cushion when not in use, as may be expedient. This aisle-seat may be used either with a seat with a fixed back, as described below, or it may be used with a seat with a reversible back, as shown in the application of Samuel M. Curwen, Serial No. 244,887, filed of even date herewith. In either case this aisle or disappearing seat is adapted to be folded, lowered, and stored under the cushion of an adjacent seat. This object is accomplished by my invention, one embodiment of which is hereinafter set forth.

For a more particular description of my invention reference is to be had to the accompanying drawings, forming a part hereof, in which—

Figure 1 is a front elevation showing portions of two car-seats with my improved aisle-seat between them. Fig. 2 is an end elevation of a seat under the cushion of which a folding aisle-seat is stored, certain parts being omitted.

Throughout both views of the drawings similar reference characters designate similar parts.

The disappearing seat 1 is placed when in use between the car-seats 2 and 3. The seat 2 may be of any suitable type and is preferably provided with brackets 4, fixed to the cushion 5, as shown in Fig. 1, (one bracket 4 only being indicated.) The cushion 6 of the seat 3 is also provided with brackets 7, which are not fixed thereto, but slide on rails 8 and are suspended from said rails by means of a dovetailed joint, as indicated in Fig. 2. Any other suitable connection may be employed, although the preferred form is the one shown. This connection is made so that a bracket 7 will always move so as to be parallel to its former positions. The cushion 6 is supported at its outer or free end by means of a casting 9, which is bifurcated at 10 to provide sufficient room for the seat 1 to pass through when in a folded condition. The precise form of

casting or support is immaterial, provided that this space is preserved.

Crank-shafts 11 are journaled in the brackets 4 and 7, which shafts 11 are preferably shaped, as indicated in Fig. 1, with a central portion 12, which are offset from the ends and have mounted thereon bearings 13, which are fixed to the under face of the cushion 14 of the seat 1. At the rear of the cushion 14 are two upright arms 15, to which the back 16 is pivoted in such a way that the back may be folded on the cushion 14 when not in use.

Latches 17 are pivoted to the back 16, near each edge, and are adapted to engage catches 18, fixed to each back of the seats 2 and 3, respectively, to hold the back 16 securely when in use. Bolts 19 on the cushion 14 are adapted to engage the walls of recesses 20 on the seats 2 and 3, whereby the cushion 14 is held firmly in the place when in use.

From the foregoing the operation of my improved device will be apparent. The disappearing seat 1 is changed from the position shown in Fig. 1 to that indicated in Fig. 2 by first withdrawing the bolts 19, then releasing the latches 17, and folding the back 16 on the seat 14. The crank-shafts 11 are then revolved and the cushion lowered, as indicated at 21 in dotted lines, and then slid to the position shown in dotted lines at 22, when the disappearing seat is stored for future use. It may be restored to its operative position any time by a mere reversal of the above steps.

As my invention may be embodied in many forms, it is obvious that it should not be restricted to the above disclosure, but is broad enough to cover all structures that come within the scope of the annexed claims.

Having described my invention, what I claim is—

1. In a device of the class described, a cushion, a seat at each end of said cushion, suspended and pivoted means for supporting said cushion between said seats, and means for lowering said cushion and storing it under one of said seats.

2. In a device of the class described, a seat-cushion, seats at each end of said cushion, brackets suspended from said seats, crank-shafts journaled in said brackets and means for supporting said cushion on said crank-shafts.

3. In a device of the class described, a cushion, a seat at each end of said cushion, a back

hinged to said cushion, latches adapted to engage parts of said seats and secure said back in its proper position, crank-shafts journaled in parts of said seats and means for uniting
5 said cushion and crank-shafts.

4. In a device of the class described, a cushion, seats at each end of said cushion, fixed brackets suspended from one of such seats, movable brackets suspended from the other
10 of said seats, crank-shafts journaled in said brackets and means for supporting said cushion on said crank-shafts.

5. In a device of the class described, a cushion,

seats at each end of said cushion, fixed brackets suspended from one of said seats, 15 movable brackets suspended from the other of said seats, crank-shafts adapted to be journaled in said brackets, means for uniting said cushion and crank-shafts and a bifurcated support at one end of the seat having movable 20 brackets.

Signed this 4th day of February, 1905.

CHARLES K. PICKLES.

Witnesses:

WM. J. FERDINAND,

TERRENCE McCUSKER.