P. H. LINDSEY.

Carriage-Top Adjuster.

No. 202,355. **Patented April 16, 1878.**

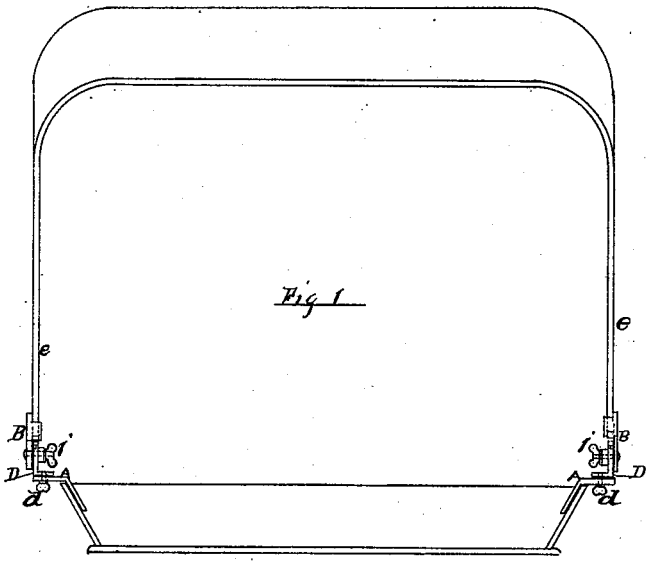

Fig 1

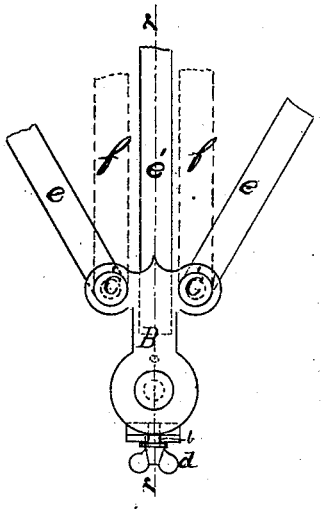

Fig 2.

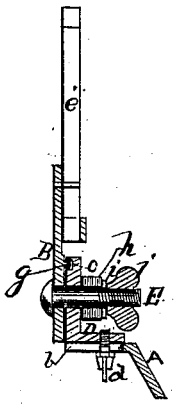

Fig 3

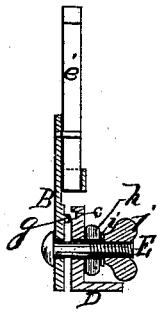

Fig 4

Fig 5

Witnesses

Vincent Tucker Clark & Mumford

Inventor

Peter H. Lindsey

UNITED STATES PATENT OFFICE.

PETER H. LINDSEY, OF LOCKPORT, NEW YORK.

IMPROVEMENT IN CARRIAGE-TOP ADJUSTERS.

Specification forming part of Letters Patent No. **202,355**, dated April 16, 1878; application filed March 4, 1878.

To all whom it may concern:

Be it known that I, PETER H. LINDSEY, of Lockport, in the county of Niagara, State of New York, have invented a new and useful Improvement in Buggy-Top Adjusters, which improvement is fully set forth in the following specification and accompanying drawing, in which—

Figure 1 is a front elevation of my device shown attached to an ordinary buggy-seat. Fig. 2 is a side elevation. Fig. 3 is a sectional view of Fig. 2 through line *r r*. Fig. 4 is the same as Fig. 3, with the parts separated; and Fig. 5 is a detail, and shows a front view of that part designated by the letter D on all the other views.

The object of my invention is to furnish a device which may be easily and quickly attached to the seat of a carriage, buggy, or sleigh, and sustain the top or shade, and, when so attached, that the top may be thrown forward or back without including the necessity of a person leaving the seat or reaching the arm outside to do so, and will stay in any position desired.

Fig. 1 shows my device attached to each side of a carriage-seat with the top or shade raised up. The whole is composed of three parts or castings, A B D, with the necessary bolts, &c., to secure them together.

The piece A A is secured to the inside of the inclined end of seat, (or one at each end, directly opposite,) and, extending over the top, is bent at the proper angle to lie horizontally. This piece A A is made of wrought or malleable iron, is about one-fourth of an inch in thickness, and about one and one-half inch wide. It is slotted in the upper part, as shown at *b b*. This slot receives a tongue on the piece D, which is circular in form, and provided at the bottom with a foot extending back at right angles to the face. The tongue on the under side of the foot fits the slot *b b*, and can slide transversely from one end of the slot to the other.

The upper half of the piece D is provided with a number of small holes, *c c c c*, &c., cast or drilled into the face near the periphery, and all the same distance from the center, as shown on Fig. 5. These holes do not extend through the piece D, probably not more than half way through. This piece D is secured in any position in the slot *b* by the thumb-screw *d*, which passes through the slot from the under side of the piece A, and screws into the foot of the piece D.

B is a light malleable-iron casting, into which the bows of the top are secured, as at *e e′ e* on Fig. 2. *e′*, being in the center, is permanently secured. *e* and *e* are pivoted at *c′*, so that they may be brought together or toward *e′*, as shown by the dotted lines *f f*. When so brought together the top is reduced or closed.

The lower or opposite end of the piece B conforms in shape to the circular part of the piece D, and is provided at *g* with a projecting stud, which fits (when the parts are together) the holes *c c c c*, &c.

The parts D and B are fastened together by the bolt E, which passes through the center of each, as shown on Fig. 3.

The threaded end of the bolt E projects through toward the center of the seat, and is long enough to receive the rubber cushion *h* and the washer *i*, against which the nut *j* (or thumb-nut) presses. The thumb-nut *j* is screwed up until the elasticity of the rubber is great enough to hold the parts together firmly.

The stud *g*, fitting into one of the holes *c*, prevents the top moving forward or back; but, should a person seated in the carriage wish to change the position of the top, he turns the thumb-nuts *j j* back until there is room enough between the nut and cushion to allow the stud *g* to clear itself from the hole *c* it occupies. He then moves the top wherever he desires, then screws up the thumb-nuts *j j* until the stud *g* is again locked in another hole. The rubber cushion *h* prevents rattling or looseness, and renders it unnecessary to screw the parts together so tight that it would be hard to unscrew the nut *j*.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The support for buggy-tops herein described, consisting of the parts A, D, and B, so constructed that the movable part B is locked into the permanent part D by the stud *g*, which fits corresponding holes in the permanent part D, the parts being held together by the bolt E, and provided with a rubber cushion, *h*, to prevent looseness or rattling, all combined as shown and described.

PETER H. LINDSEY.

Witnesses:

J. P. MIX,

SIMEON TUCKER CLARK, A. M., M. D.