

D. D. WISELL.

Seat-Locks for Vehicles.

No. 134,413.

Patented Dec. 31, 1872.

Fig. 1.

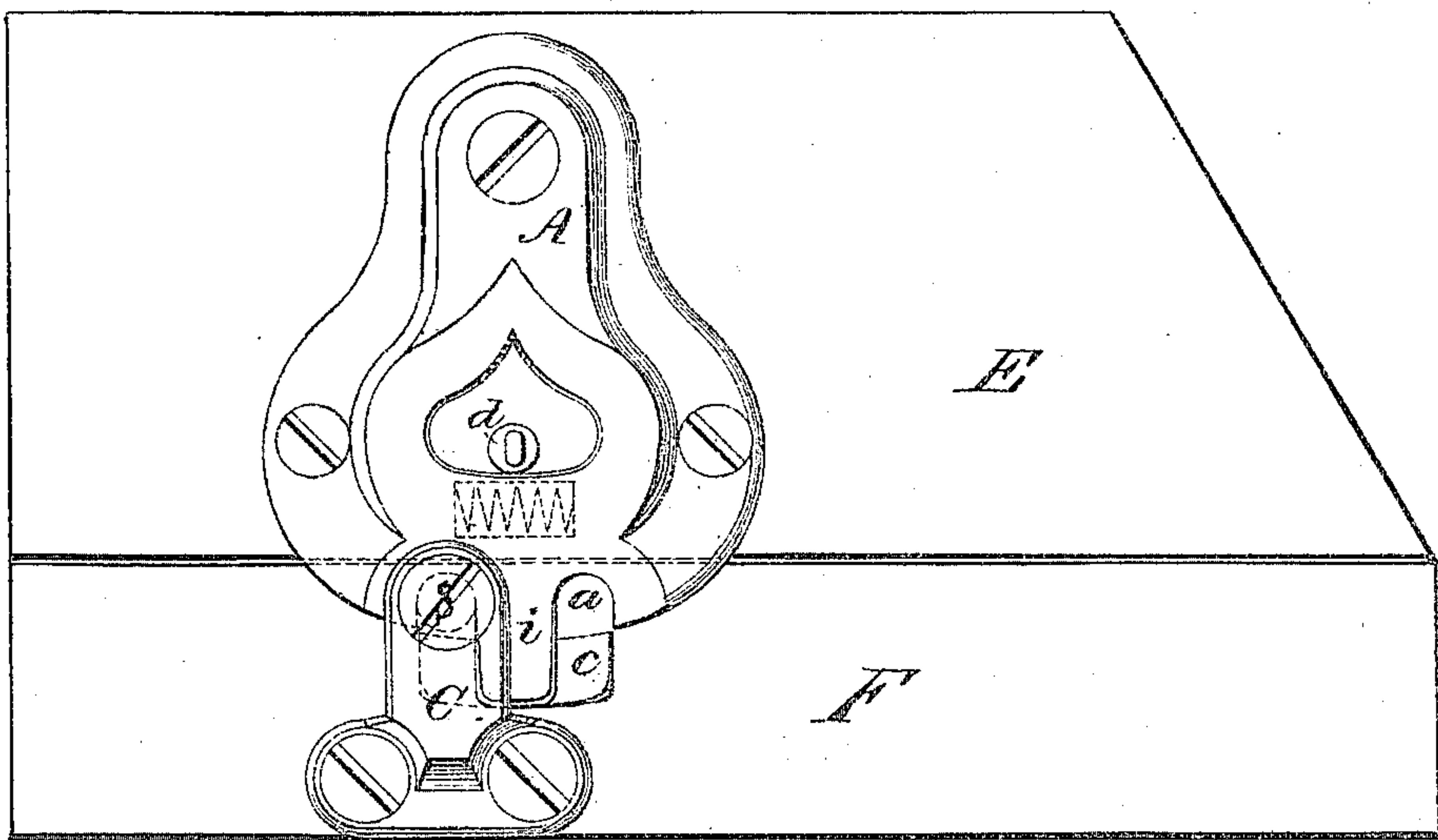


Fig. 2.

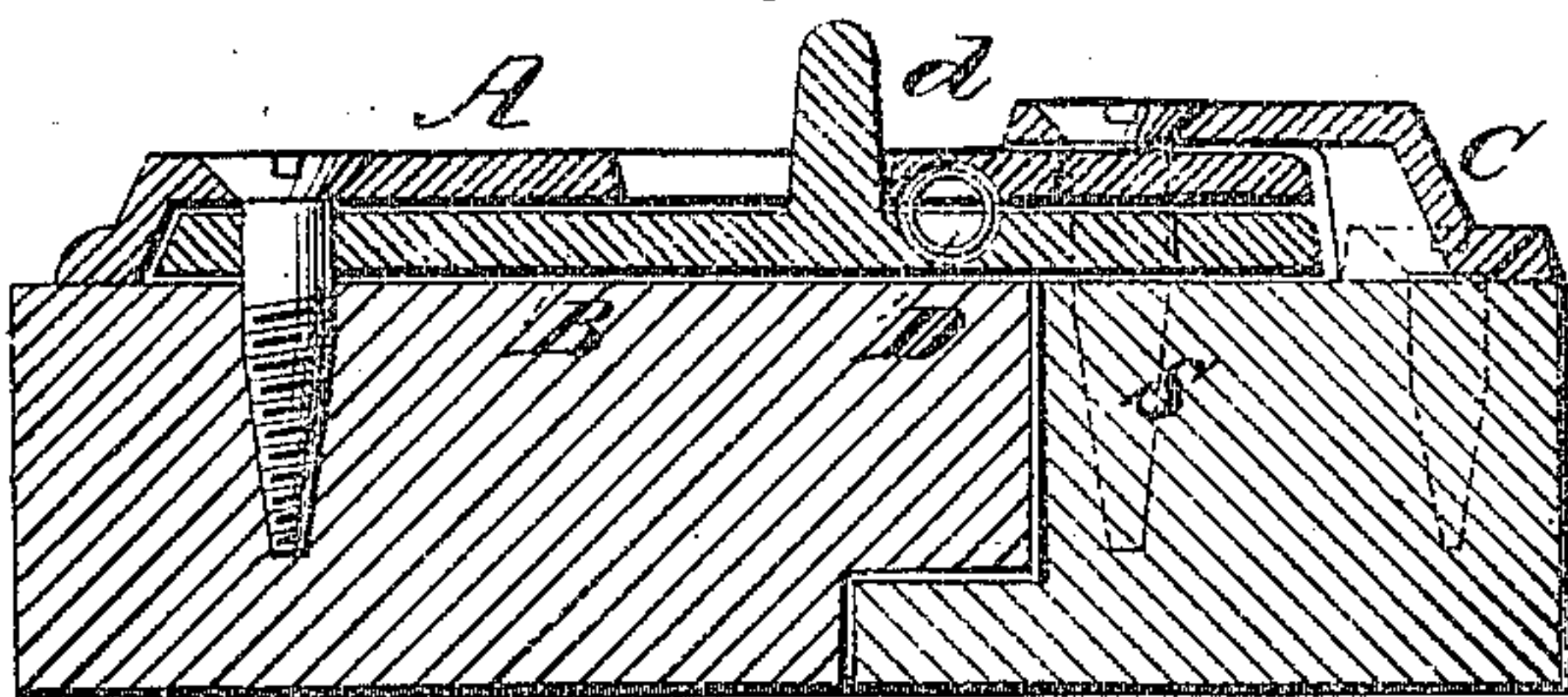
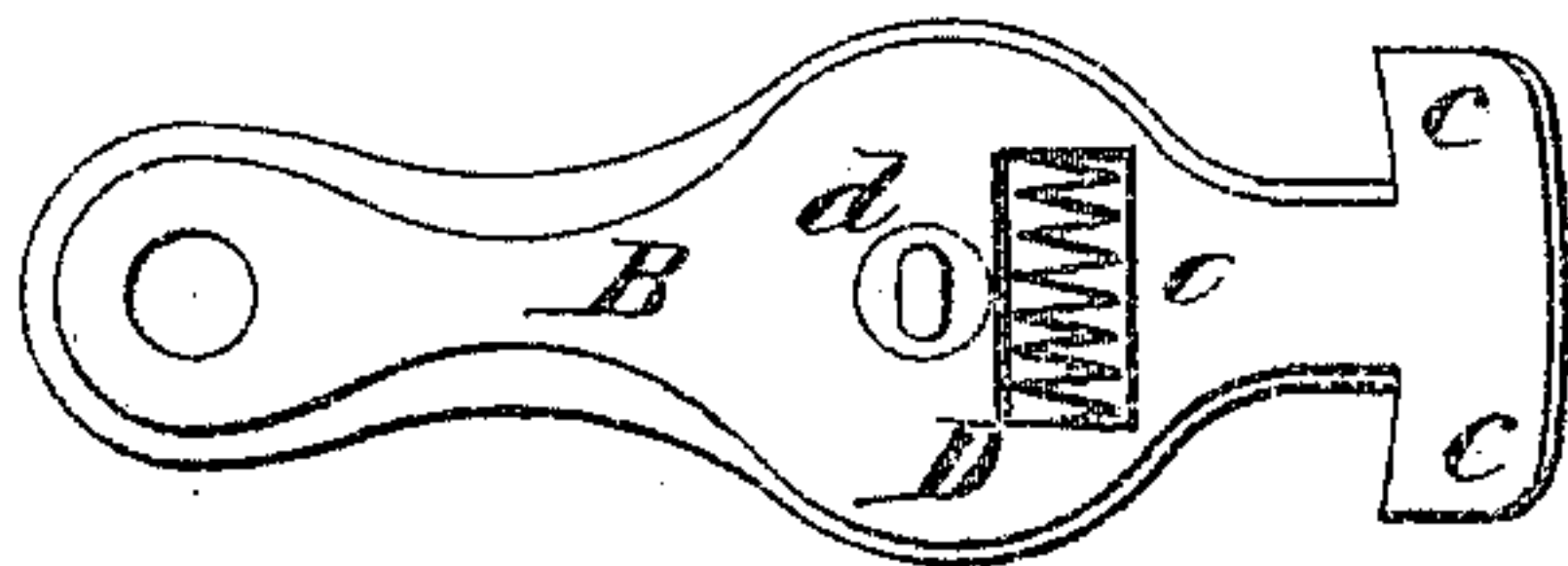


Fig. 3.



Witnesses.

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DAVID D. WISELL, OF ZANESVILLE, INDIANA.

IMPROVEMENT IN SEAT-LOCKS FOR VEHICLES.

Specification forming part of Letters Patent No. 134,413, dated December 31, 1872.

To all whom it may concern:

Be it known that I, DAVID D. WISELL, of Zanesville, county of Allen and State of Indiana, have invented an Improvement in Seat-Locks for Vehicles, of which the following is a specification:

This invention relates to seat-locks to attach seats to vehicles in such a manner that they can be readily detached and removed, or shifted and secured in other positions upon the body of the same; and consists of a metallic body-plate, grooved on its under side for the reception of a spiral spring, which acts laterally upon a vibrating spring-latch working beneath the same. The lower end of the plate extends below the seat-support, and has two notches in it, either of which engage with a screw in the body-rail, and is retained in engagement therewith by means of either of the hooks on the lower end of the vibrating spring-latch. The screw in the body-rail passes through the upper end of a small bracket-plate, which imparts additional strength to the same.

Figure 1 represents the lock, in working position upon a section of the seat-support, and body-rail. Fig. 2 is a view of the vibrating spring-latch and spiral spring detached from the body-plate. Fig. 3 is a lateral view of the bracket-plate.

The body-plate A is excavated on the under side sufficient for the reception of the vibrating spring-latch B, both of which are secured to the seat-support E by means of suitable screws. The lower end of the plate extends below the seat-support, and is provided with notches *a a* that engage laterally the screw S in the body-rail F. The division *i* between these notches extends below the beveled edges of the plate A, and acts as a stop to the screw S while adjusting the lock. The lower end of the vibrating spring-latch B is provided with a hook, *c c*, on either side to engage under the screw S in the body-rail F. Within the opposing surfaces of the latch B

and plate A, and opposite to each other, are transverse half-circular grooves for the reception of the spiral spring D. The opposing ends of these grooves form bearings for the spring D, so that when the latch is forced to either side the spring returns it to its central position as soon as the resistance is removed. Rising from the central part of the latch B, through a suitable opening through the plate A, is a pin, *d*, that acts as a bearing for the thumb to disengage the hooks. The lower end of the bracket-plate C is screwed to the body-rail F, and prevents the screw S, that passes through its upper end, from breaking, tearing out of, or splitting, the rail.

As the lock is double and equally adjustable from either side, to put it in working position place the seat-support E on the body-rail F; push forward or backward, as the case may be, until the lower beveled edge of the plate A is forced up over the screw S. The vibrating spring-latch is at the same time forced to one side until said screw comes in contact with the stop *i*. The weight of the seat drops the notch over the screw S, and engages it laterally. At the same time the spiral spring forces the hook *c* under said screw, and the lock is securely fixed in working position. The lock is detached by lateral pressure of the thumb against the pin *d* until the hook *c* is forced from its engagement beneath the screw S. The seat thus unlocked is readily raised from its position on the body.

What I claim as my invention, and wish to secure by Letters Patent, is—

A seat-lock composed of the plate A, vibrating spring-latch B, and bracket-plate C, all constructed, combined, and arranged to operate in the manner and for the purposes set forth and described.

DAVID D. WISELL.

Witnesses:

O. F. WILSON,
WILLIAM ANGEVINE.