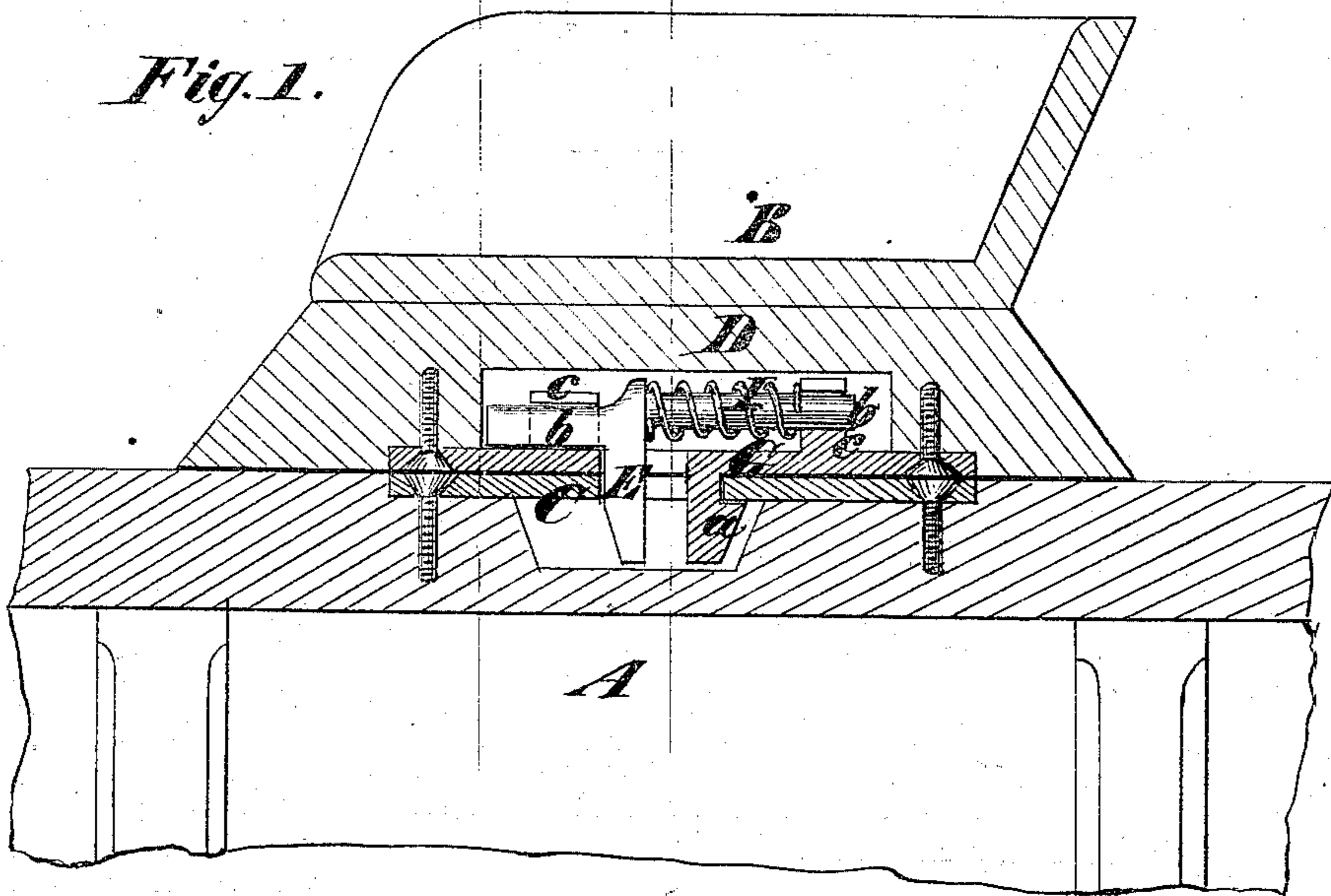


E. C. COLE.  
Wagon-Seats.

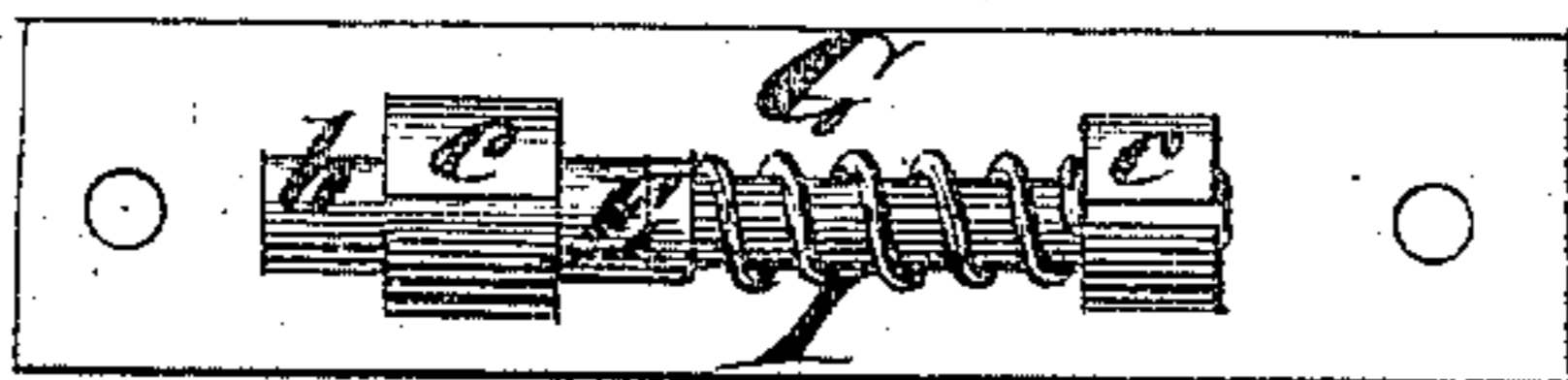
No. 137,419.

Patented April 1, 1873.

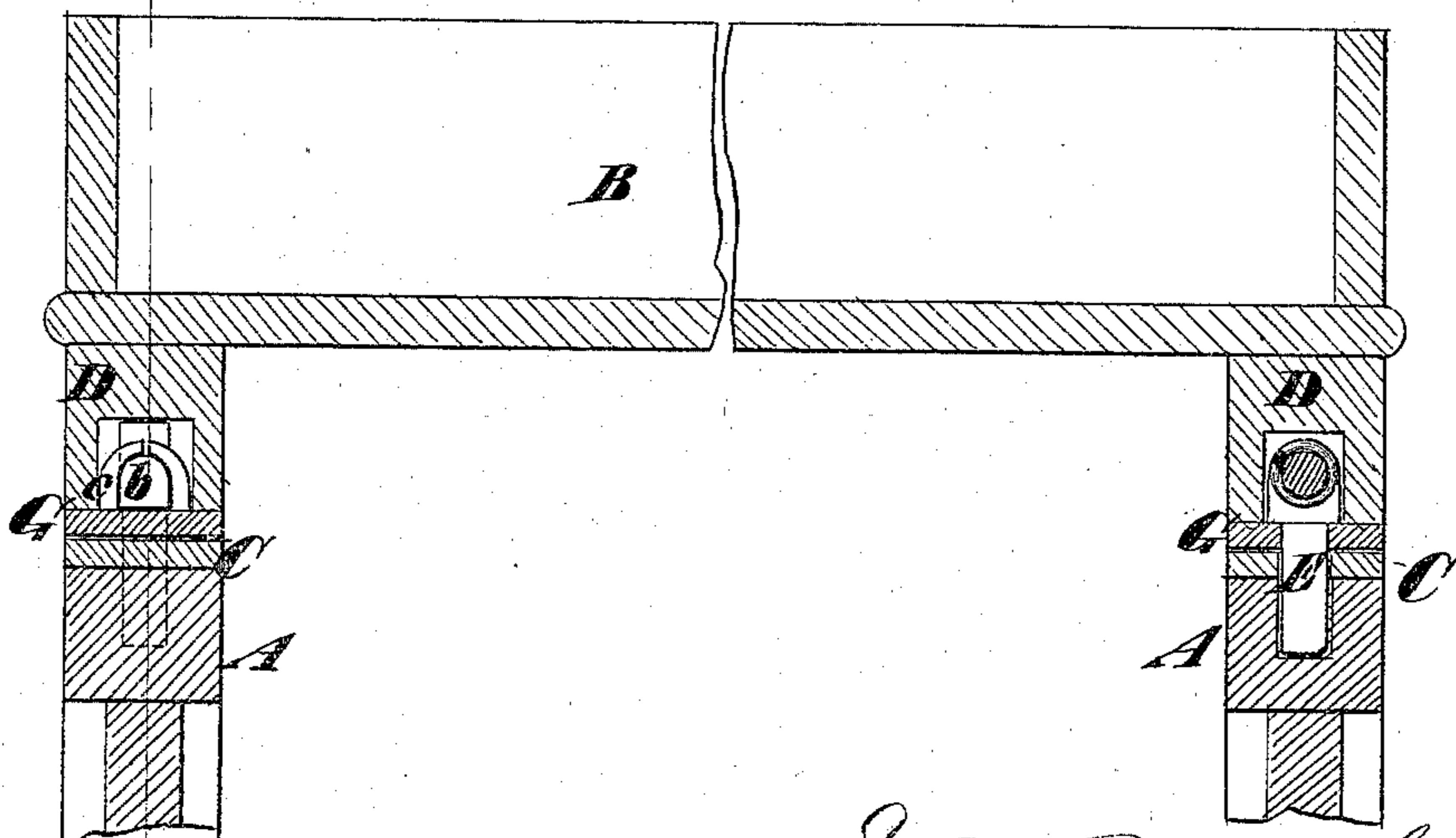
*Fig. 1.*



*Fig. 3.*



*Fig. 2.*



Witnesses  
John Becker.  
Fred Haynes

Edward C. Cole  
per Brown & Allen  
Attorneys

# UNITED STATES PATENT OFFICE.

EDWARD C. COLE, OF PAWLING, NEW YORK.

## IMPROVEMENT IN WAGON-SEATS.

Specification forming part of Letters Patent No. **137,419**, dated April 1, 1873; application filed March 15, 1873.

*To all whom it may concern:*

Be it known that I, EDWARD C. COLE, of Pawling, in the county of Dutchess and State of New York, have invented a Device for Securing in Place the Seats of Carriages and other Vehicles, of which the following is a specification:

This invention consists in the combination of a stationary hook and a spring-holder arranged in proximity to one another on the riser of the seat, with a slotted plate situated in the support on which the seat rests, whereby, if the seat be placed so that the ends of the hook and holder are over the slot in the plate before mentioned and be pressed down, the holder will, by reason of its beveled end, be forced toward the hook, and, therefore, will permit the passage of the hook through the plate, and then will spring out and force the hook under the plate, and the seat will, by the hook, be held in position.

In the accompanying drawing, Figure 1 is a transverse section of a seat and part of a wagon-body having my improved fastener applied. Fig. 2 is a section taken transversely through the body of the wagon, and Fig. 3 is a detached view of a plate on which the hook and holder are situated.

Similar letters of reference indicate corresponding parts in the several figures.

A represents a portion of a wagon-body, and B the seat of the same. In the top rail of the wagon-body is countersunk a plate, C, which is slotted throughout a portion of its length and covers a cavity in the rail. The riser D of the seat has a recess or cavity cut in its under side, and this recess is covered by a plate, G, of about the same size as the plate C in the wagon-body. On this plate there is a hook, *a*, having a beveled front, and opposite this an arm or pin, E, that I term a holder, projects through a slot in the plate. This is likewise beveled on its outer side or front, and it is provided with a shank, *b*, which

slides in bearings *c c* on the inner side of the plate G. Spring I is applied to this shank between the front of the holder and the opposite bearing *c*, and forces the holder away from the hook. The outer edges of the hook and holder at the end are situate just far enough apart to enable them to enter the slot in the plate C. One of these fastenings is applied to each side of the seat.

To secure the seat in place it is simply pressed down to cause the holders E E to slide toward the hooks *a a*, and, by shortening the distance between them, to permit the hooks to enter the plates C C. As soon as the hooks pass through the plates the springs on the shanks of the holders force the seat back till the shanks of the hooks come in contact with the back of the slot in the plates C C. Their ends project under the edges of the plates C C and hold the seat in position. The hooks are arranged nearest the rear of the seat, so that all the strain will be on them, and, therefore, there will be no danger of the seat becoming unfastened.

To remove the seat it is pushed forward to force the hooks from under the edges of the plates C C, and then is suddenly lifted.

This fastener is very effective for the purpose it is designed for, and can be very easily operated; moreover, it is not likely to get out of order.

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

The combination of the stationary hook *a* and spring-holder E, applied both to the seat of a wagon or other vehicle, with the slotted plate C arranged on the body of the vehicle, substantially as and for the purpose herein set forth.

EDWARD C. COLE.

Witnesses:

G. W. CHASE,  
J. F. HAIGHT.