

J. CLEMENTS.  
Carriage-Body Adjuster.

No. 217,342.

Patented July 8, 1879.

Fig. 1.

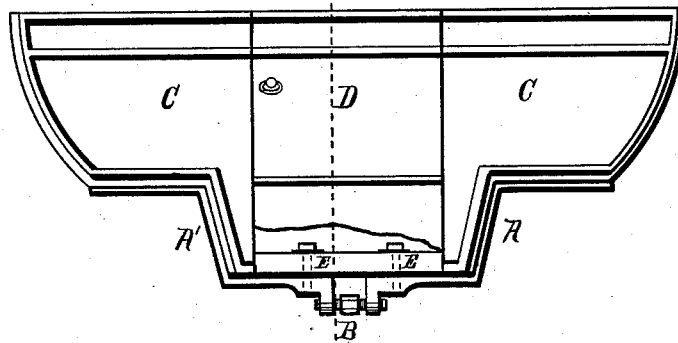


Fig. 2.

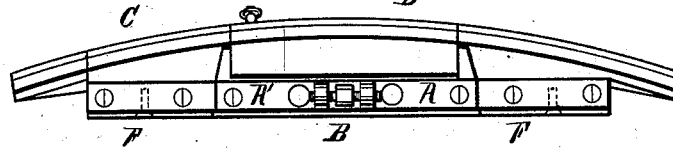
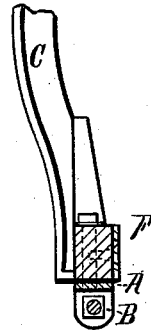


Fig. 3.



WITNESSES  
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# UNITED STATES PATENT OFFICE.

JOHN CLEMENTS, OF ROCHESTER, NEW YORK.

## IMPROVEMENT IN CARRIAGE-BODY ADJUSTERS.

Specification forming part of Letters Patent No. **217,342**, dated July 8, 1879; application filed May 27, 1879.

### *To all whom it may concern:*

Be it known that I, JOHN CLEMENTS, of Rochester, in the county of Monroe and State of New York, have invented an Improvement in Carriage-Body Adjusters, of which the following is a specification, reference being had to the annexed drawings, in which—

Figure 1 is a side view of a carriage-body containing my improvement. Fig. 2 is a view of one sill of a carriage-body having my invention attached, as seen from below. Fig. 3 is a vertical section on the line *x x*, Fig. 1.

My invention relates to an improvement in carriage-bodies, and its object is to prevent the binding of the door in the door-frame when, from any cause, the body of the carriage sags so as to narrow the space for the door; and it consists in the combination of a screw-bolt and suitable straps attached beneath the body and so arranged that by turning the screw the door-space may be sprung open slightly.

In the accompanying drawings, C C represent a carriage-body; D, the door; A A', the straps, and B the screw-bolt. The straps A A' are formed to fit the sill of the carriage-body, and are secured thereto by screws or bolts E E. Underneath the door the straps

A A' terminate in lugs, through which passes the screw-bolt B, which may be of the ordinary form or made with a right and left hand thread, as shown in the drawings.

By turning the screw B the body of the carriage, the sill, and rocker-plate F may be sprung slightly, so as to admit of the easy opening and closing of the door in case it has become jammed.

My improved carriage-body adjuster may be employed in any kind of carriage-body. It is more especially designed for use on carriages having folding tops.

The straps A A' may extend the whole length of the body, and, if desired, the body-loops may be connected with them.

The weight of the rocker-plate F may be considerably reduced where my improved carriage-body adjuster is used.

I claim—

In combination with the sill of a carriage-body, the straps A A' and the screw-bolt B, substantially as and for the purposes set forth.

JOHN CLEMENTS.

Witnesses:

GEO. B. SELDEN,  
HENRY H. SCHLEBER.