I. WILKINS, Jr.

CARRIAGE-BODY ADJUSTER.

No. 191,909. Patented June 12, 1877.

Fig: 1.

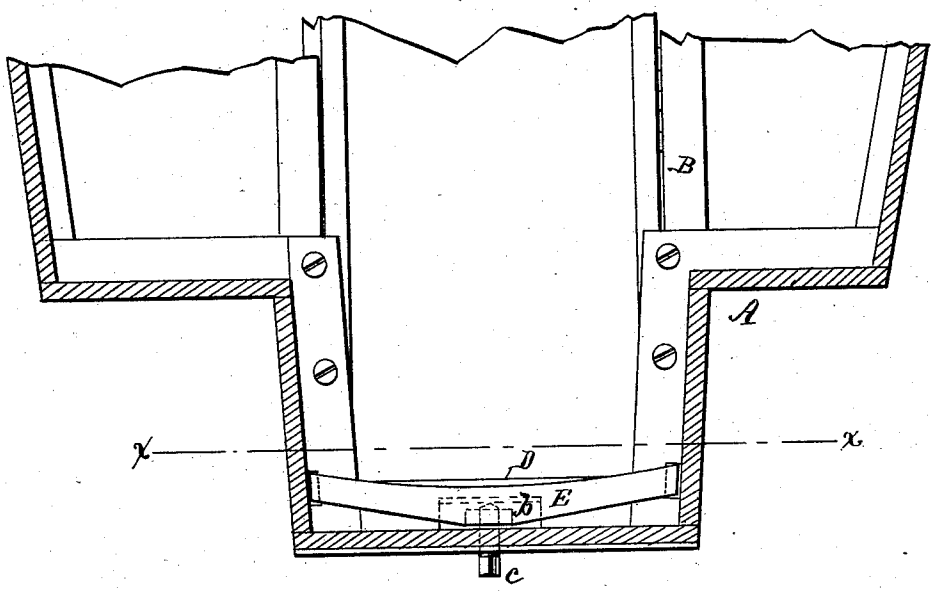


Fig: 2.

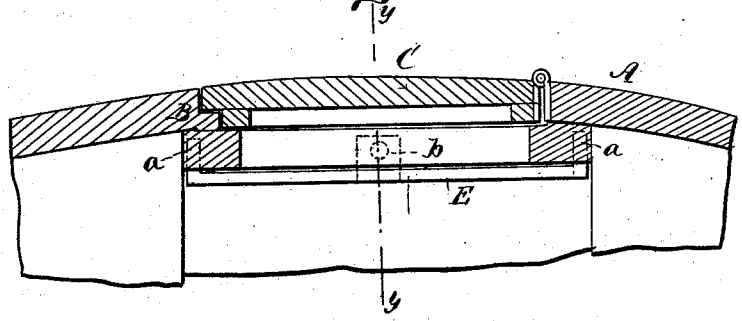
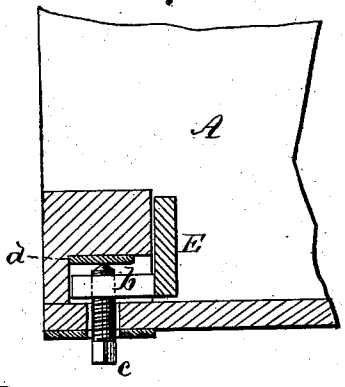


Fig: 3.



WITNESSES:

Chas. Nida

J. H. Scarborough

INVENTOR:

I. Wilkins Jr

BY Munn & Co

ATTORNEYS.

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

ISAAC WILKINS, JR., OF GREEN POINT, NEW YORK.

IMPROVEMENT IN CARRIAGE-BODY ADJUSTERS.

Specification forming part of Letters Patent No. **191,909**, dated June 12, 1877; application filed May 5, 1877.

To all whom it may concern:

Be it known that I, ISAAC WILKINS, Jr., of Green Point, in the county of Kings and State of New York, have invented a new and Improved Adjuster for Carriage-Bodies, of which the following is a specification:

Figure 1 is a side elevation, in section, of a portion of a carriage-body containing my improvement. Fig. 2 is a horizontal section on line *x x* in Fig. 1. Fig. 3 is a transverse section on line *y y*, Fig. 1.

Similar letters of reference indicate corresponding parts.

My invention relates to an improvement in carriage-bodies whereby the door-frame may be quickly and easily adjusted when the body sags so as to bind the door in the door-frame.

In the drawing, A is the body of a carriage, B the door-frame, and C the door.

D is the sill or rocker of the body-frame, which extends along the bottom of the doorway, and upward at the sides of the door. To this sill the door-frame is attached.

E is a curved bar, having at each end lugs *a*, and at or near the center the ear *b*. This curved bar is placed inside of and parallel to the horizontal part of the sill, and the lugs *a* are received by mortises in the upright portions of the sill.

The ear *b* extends into a recess formed in the sill, and a screw, *c*, passes through it, that bears against a plate, *d*, that is placed in the upper portion of the recess.

The screw *c* extends below the carriage-bottom, and is provided with a square head, so that it may be conveniently turned with a wrench. When this screw is turned so as to throw the center of the horizontal portion of the sill upward, its ends being retained by the mortises, the sides of the door-frame are thrown apart by the spreading of the upper ends of the upright portions of the sill.

It is obvious that the details of the construction and application of my improved adjuster may be varied; for example, the ends of the bar may be pivoted or bolted to the sill instead of being retained by lugs and mortises.

The ends may also be made adjustable by screws while the center is fixed, and cams or wedges may be used instead of screws; therefore, I do not confine my improvement to the precise form herein shown and described.

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

The bar E, provided with an adjusting device, in combination with the sill of a carriage-body, substantially as herein shown and described.

ISAAC WILKINS, JR.

Witnesses:
C. SEDGWICK,
ALEX. F. ROBERTS.