

J. H. ADAMS.

VEHICLE SEAT-FASTENING.

No. 174,458.

Patented March 7, 1876.

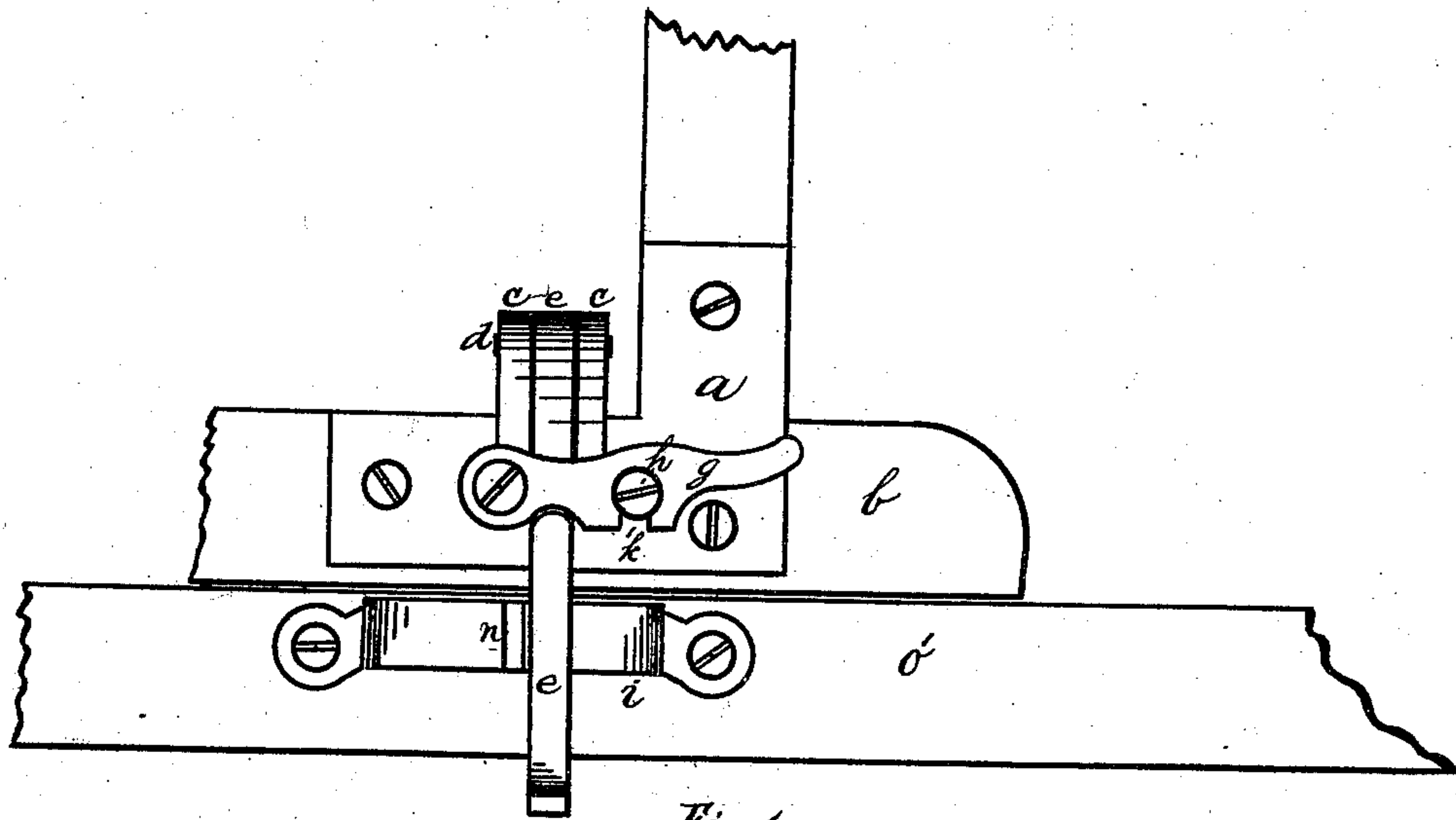


Fig. 1.

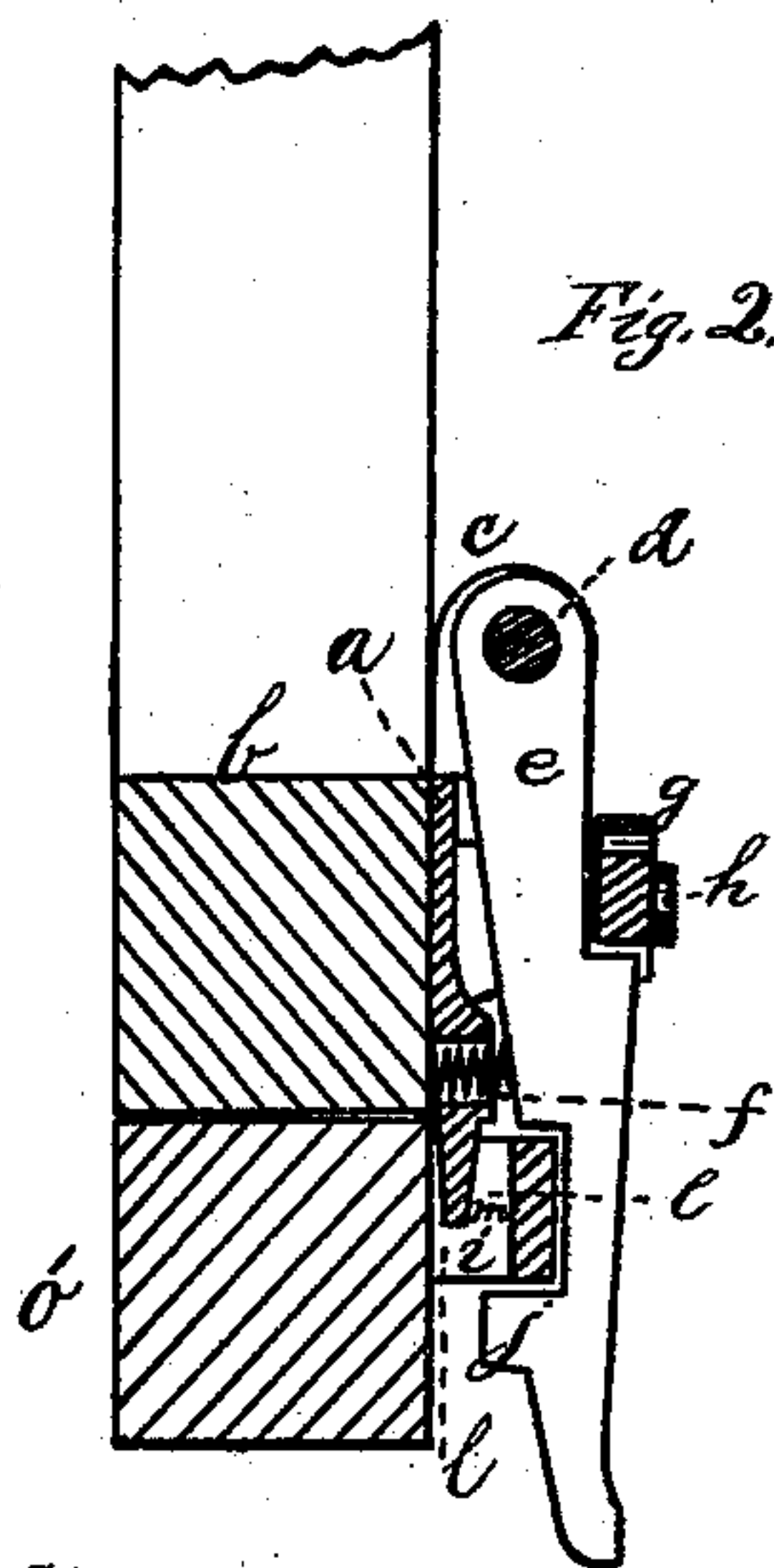


Fig. 2.

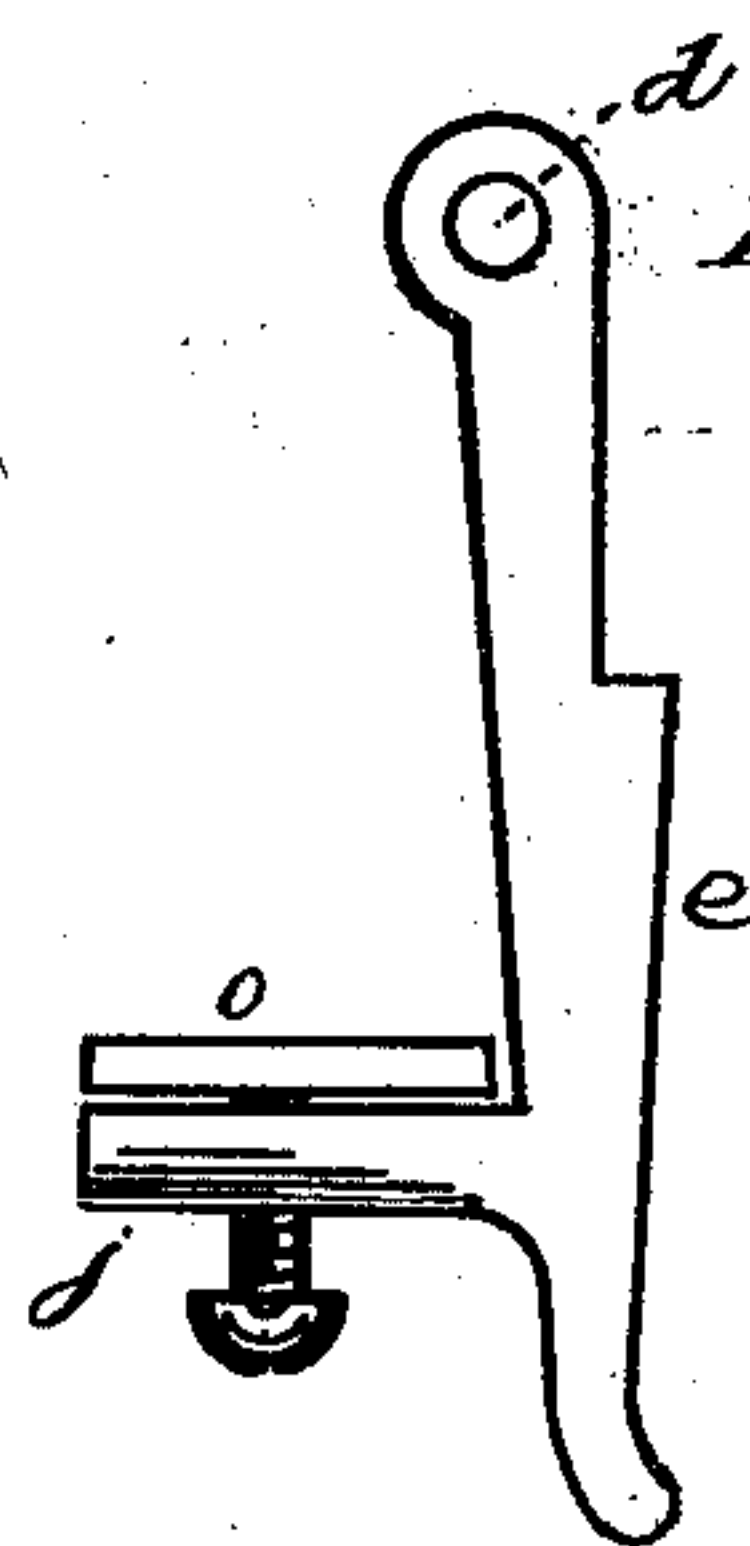


Fig. 3.

Witnesses:

Frank H. Jordan

William Henry Clifford.

Inventor:

John H. Adams

UNITED STATES PATENT OFFICE.

JOHN H. ADAMS, OF DEERING, MAINE.

IMPROVEMENT IN VEHICLE-SEAT FASTENINGS.

Specification forming part of Letters Patent No. 174,458, dated March 7, 1876; application filed January 27, 1876.

To all whom it may concern:

Be it known that I, JOHN H. ADAMS, of Deering, in the county of Cumberland and State of Maine, have invented certain new and useful Improvements in Vehicle-Seat Fastenings; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

Figure 1 is a front view of my improved fastening. Fig. 2 is a vertical section. Fig. 3 is a view of a modification.

Same letters show like parts.

The object of my improvement is to produce an arrangement of devices for holding the seats of carriages to the bodies thereof.

My invention is more especially applicable to that class of wagons like express-wagons and beach-wagons, so called; also, to pungs and sleigh-seats, and, in general, that class of seats which rest upon the top edge of the sides of the body of the vehicle.

My invention is composed of the following devices: A face-plate, *a*, attached to the foot or shoe *b* of the seat-support; two ears, *c*, having a pivot, *d*, upon which is suspended the arm *e*; a spring, *f*; a catch or arm, *g*; a screw-fastening, *h*, and a plate, *i*, near the top of the sides of the wagon-body. The parts *b c d e f g h* are connected to the face-plate *a*.

The operation of the whole device is as follows: The arm *e* has a lip or projection, *j*, which passes under the under side of the plate *i*. When the seat is placed in position on the wagon-body the arm *e* is turned down, so that the lip *j* passes under the under side of the plate *i*. Over the arm *e* thus placed, and to hold it firmly pressed against the plate *i*, is turned the arm *g*, which has the catch or recess *k* to fit over the screw-fastening *h*. When the arm *g* is turned up and off from the arm *e* the spring *f* throws the arm *e* outwardly, so that the lip *j* is free of the plate *i*, and the seat can then be lifted from the ve-

hicle. The plate *i* is provided with a recess, *l*, to receive a projection, *m*, from the face-plate *a*.

Projections, like *n*, may be placed upon the plate *i* to prevent the sliding of the seat.

An ordinary rivet or bolt with a head may be used instead of the screw-fastening *h*.

The upper face of the lip *j*, on the arm *e*, may be provided with an adjustable plate, *o*, or its equivalent, in order to enable it to fit tightly under the rail of the carriage or under the under side of the plate *i*, as shown in Fig. 3.

It may here be specified that the rail of the side of the carriage-body may be used instead of the plate *i*.

With this invention a combination of devices is provided by which the wagon-seat is easily and quickly fastened in position, securely held, and easily released.

Instead of the arm *g* to hold the arm *e*, a set-screw may be substituted. This set-screw may be attached to the face-plate *a* and work in a slot in the arm *e*. When the head of the set-screw is turned across the slot it will hold the arm *e* as the arm *g* does.

When the head of the set-screw is turned in the direction of the slot the arm *e* may be turned or moved from the plate *i* in the same manner as when the arm *g* is turned up.

o' represents the rail of the body of the vehicle.

I do not claim the pivoted arm *e*, having a lip, *j*, by itself, or the combination, with the guide-strip of a wagon-body, of a latch, hinge-fastener, and a bolt, as in George Ruston's patent, July 29, 1873, No. 141,292.

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

1. The combination of the face-plate *a*, the ears *c*, the pivoted arm *e*, with its lip *j*, the arm *g*, with its catch *k*, with the plate *i*, or its equivalent, as herein described.

2. The combination of the face-plate *a*, the pivoted arm *e*, with the lip *j*, spring *f*, arm *g*, catch *k*, plate *i*, when the same are attached to the wagon seat and body, as and for the purposes herein described.

3. The recessed plate *i*, having the projec-

tions *n*, in combination with the arms *e g*, operating as described, and the face-plate *a*, having the projection *m*, as described.

4. The adjustable plate *o* on the lip *j* of the arm *e*, as and for the purposes herein described.

In testimony that I claim the foregoing as

my own I affix my signature in presence of two witnesses.

JOHN H. ADAMS.

Witnesses:

WM. HENRY CLIFFORD,
FRANK H. JORDAN.