

(No Model.)

J. C. BOONE.
VEHICLE BODY.

No. 436,493.

Patented Sept. 16, 1890.

FIG. 1.

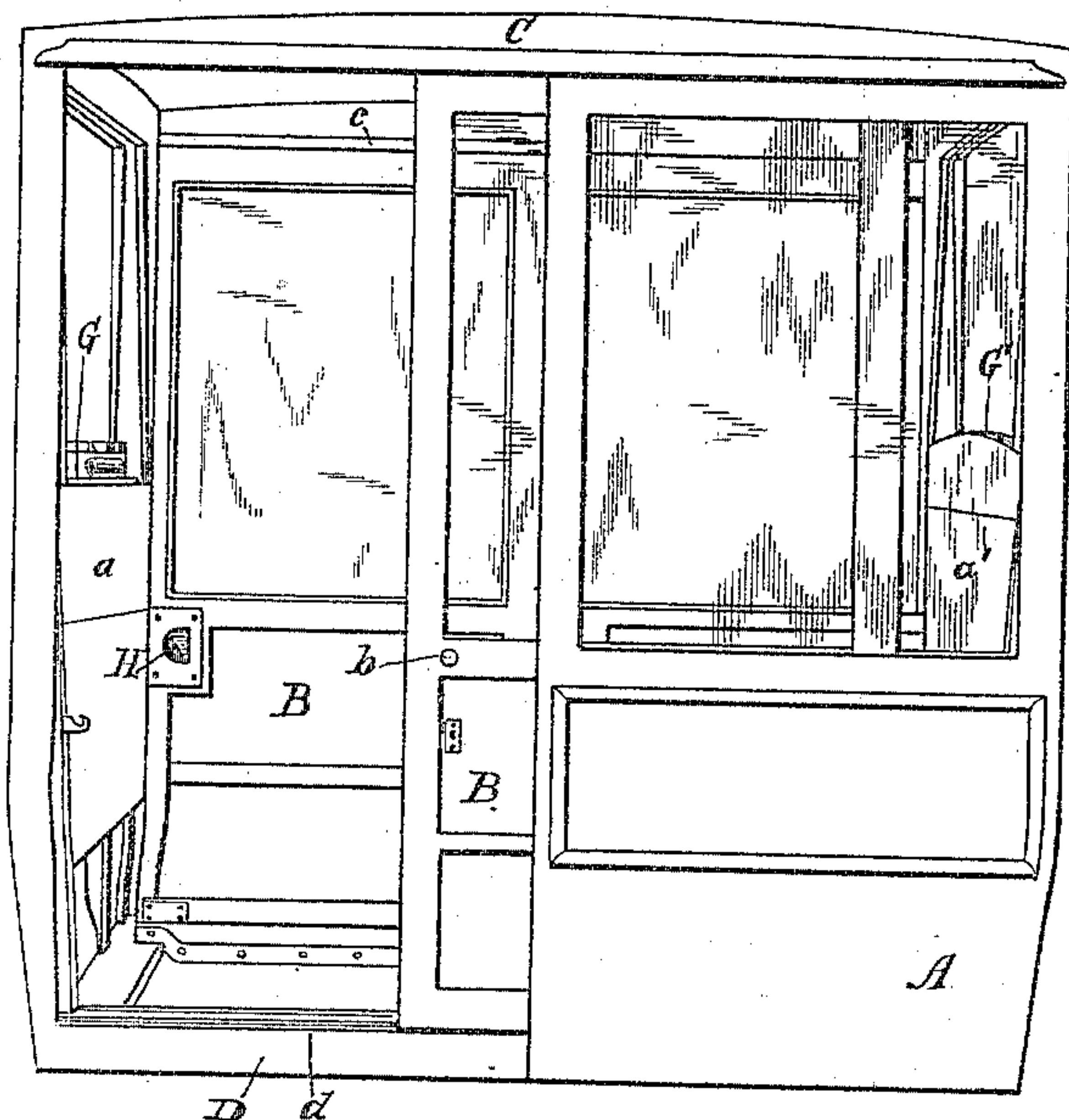
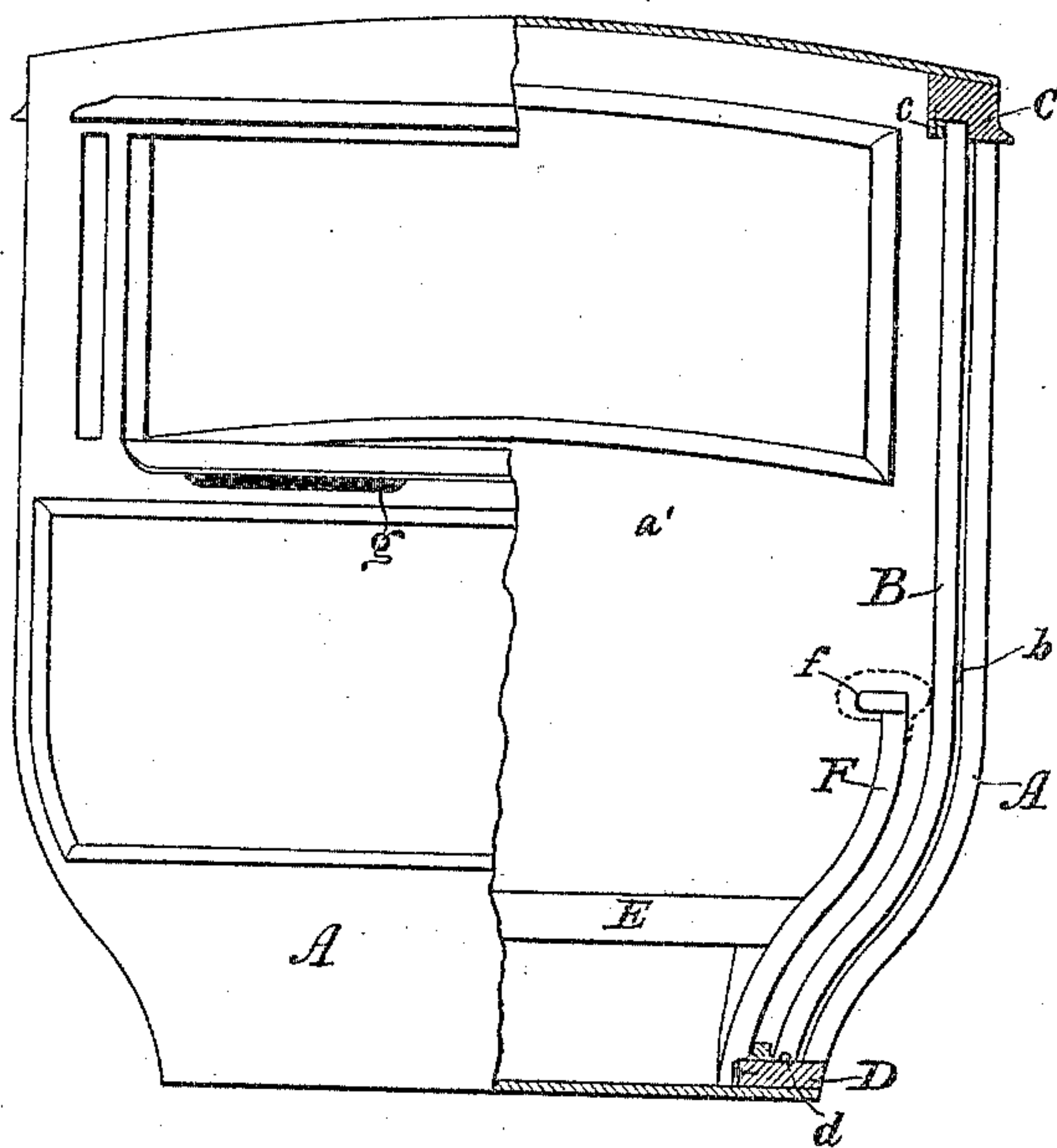


FIG. 2.



Witnesses
Frank L. Millward
H. Davis

Inventor
Joseph C. Boone
By his Attorney *Geo. H. Murray*

UNITED STATES PATENT OFFICE.

JOSEPH C. BOONE, OF CINCINNATI, OHIO.

VEHICLE-BODY.

SPECIFICATION forming part of Letters Patent No. 436,493, dated September 16, 1890.

Application filed March 15, 1890. Serial No. 343,959. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH C. BOONE, a citizen of the United States, and a resident of Cincinnati, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Vehicle-Bodies, of which the following is a specification.

My invention relates to closed carriages.

Its object is to provide means to completely protect occupants from the weather and to readily throw the front open when desired.

When the front and sides of the carriage are thrown open, the vehicle has the appearance of an ordinary open carriage.

In the accompanying drawings, in which like parts are indicated by similar reference-letters wherever they occur, Figure 1 is a perspective view of a carriage-body embodying my improvements. Fig. 2 is a view of the same, partly in front elevation and partly in vertical transverse section.

The body or outside casing A of the vehicle is framed together in the usual manner. My improvements are all arranged within this outside case. The main feature is the sliding doors B, which are arranged to slide within the body. The upper portions of the sides and doors are provided with glass panels of the same size, so that when the doors are pushed back to their full extent they are wholly concealed, and the carriage has the appearance of the ordinary open carriage. The upper side rails C and the lower side rails D are made wider than in the ordinary physician's buggy to form seats for the sliding doors B. The upper rails C are rabbeted to form seats for the upper edges of the doors, which are confined and guided by the strips c.

Upon the lower side rails D are secured metal guides d, which enter rounded grooves in the lower edges of the doors, and serve as tracks upon which the doors slide.

The seat E is firmly secured to the back and arm supports F, which supports are also secured at their rear edges to the back of the body, so that when the arms f are upholstered, as shown in dotted line, the door is permitted to slide freely, while the arm serves as a cushion to prevent rattling when the doors are pushed back.

The front and back of the body are provided with interior panels a a', which set back from the outside casing a sufficient distance to allow the windows G G' to slide down

within the space thus formed, and through one side of the front at g is a slot through which the driving-reins pass when the window is closed.

The doors are provided with spring-locks H, which are opened from the inside by latch-levers; but which require a key to open them from the outside. By this means the vehicle-body is locked up and the annoyance and loss which physicians often experience by their carriages being driven off or their robes or instruments stolen while they are making calls is avoided. It will also be seen that as the doors are arranged to slide inside of the body there is no danger of their becoming clogged by snow, ice, or mud, as would be the case if they were fitted to slide outside of the body.

Upon the stiles of the door I have secured rubber or elastic buttons b, which, when the doors are pushed back, impinge upon the inside of the casing A and hold the doors in place and prevent them from rattling.

I claim—

1. In a vehicle-body of the character described, the combination of the outer casing having the inwardly-extending upper and lower side rails C D, the ends of the seat E, and arm-supports F, set in from the sides of the outer casing, and the doors arranged to slide between the ends of the seat and the outer casing, whereby the body is readily convertible from the inside into either a closed or ordinary open carriage, substantially as shown and described.

2. The combination, substantially as hereinbefore set forth, of the outer casing A, the seat E, and arm-supports F, set in from said casing, the doors B, arranged to close the front portions of the body sides and slide back between the outer casing and the seat and arm supports, the elastic button, and upholstered arms to cushion the doors and prevent rattling.

3. The vehicle-body consisting of the outer casing A, the interiorly-sliding doors B, the seat E, and arm-supports F, the panels a a' at front and rear of the body, and the vertically-sliding windows G G', the whole constructed and arranged substantially as specified.

JOSEPH C. BOONE.

Witnesses:

GEO. J. MURRAY,

FRANK L. WILLWARD.