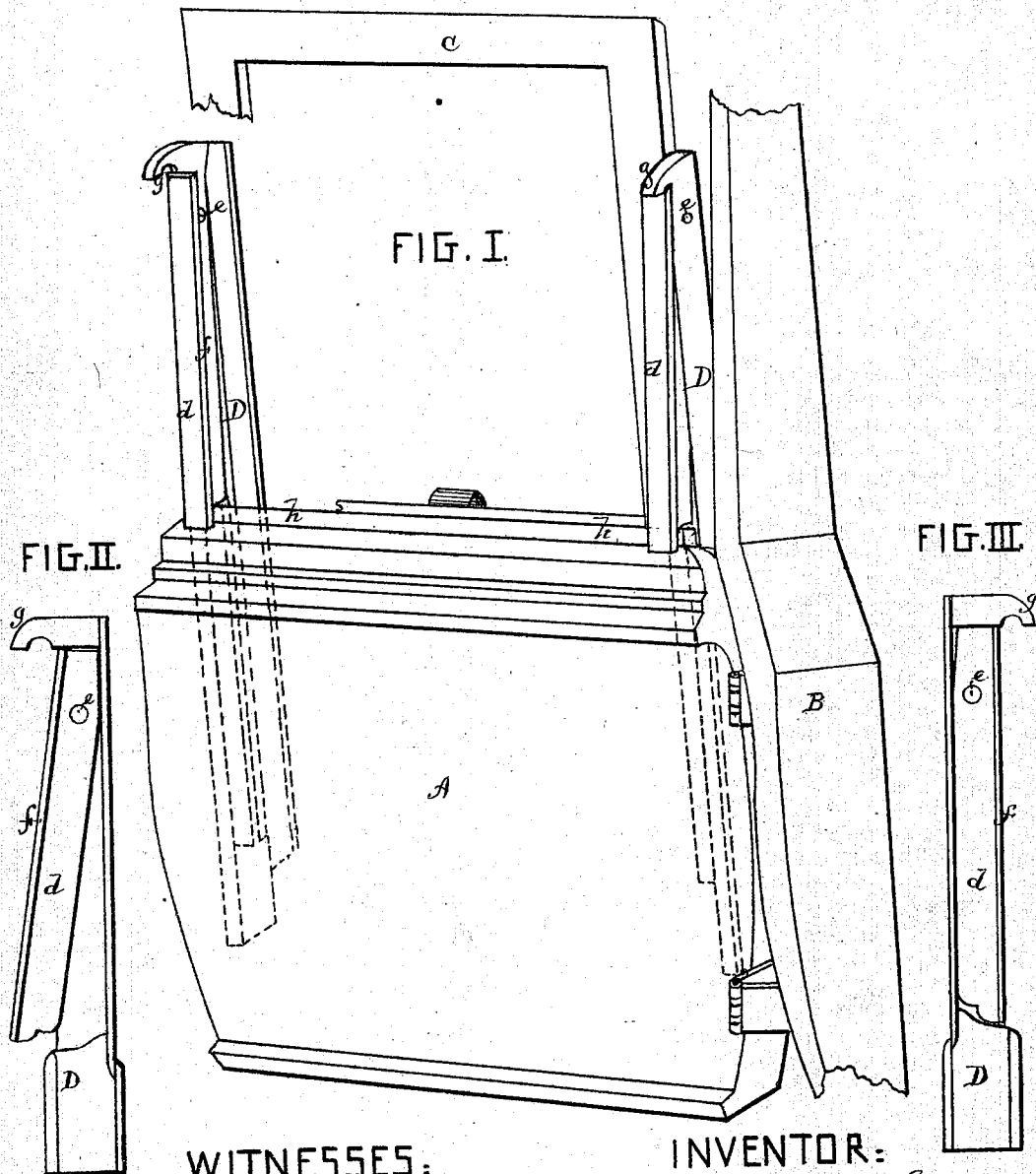


J. CARSON.
Carriage Doors.

No. 144,440.

Patented Nov. 11, 1873.



WITNESSES:

F.R. Drake. }
Hirsehorn. }

INVENTOR:

James Carson
by
Burke, Fraser & Co.
attys.

UNITED STATES PATENT OFFICE.

JAMES CARSON, OF BUFFALO, NEW YORK.

IMPROVEMENT IN CARRIAGE-DOORS.

Specification forming part of Letters Patent No. **144,440**, dated November 11, 1873; application filed September 10, 1873.

To all whom it may concern:

Be it known that I, JAMES CARSON, of Buffalo, in the county of Erie and State of New York, have invented new and useful Improvements in Carriage-Doors, of which the following is a specification:

This invention relates to the doors of vehicles the tops of which separate in the center, such as landaus, &c., that can be converted into either open or closed carriages; and the invention consists in the construction of the independent sliding frames or supports for the glass of the doors, as hereinafter described.

In the drawings, Figure 1 is a perspective of a carriage-door; Figs. 2 and 3, detail views of the supporting-frame.

A represents the door; B, the casing to which it is hinged, and c the window of the carriage. D D are the independent glass-frame supports, made of metal, and having a supplementary piece, d, constructed as shown, and pivoted, at e, near the top. This allows it to swing out a little way, the back edge being slightly rounded or beveled near the top for that purpose, and permitting it to stand out at just the angle required. A flat piece or rim, f, sits on the outer piece d, against which the glass rests when raised, and which also throws off rain, pre-

venting it entering the socket in the carriage-door, into which the whole frame-piece slides when the carriage is thrown open, as represented in dotted lines, Fig. 1. The top of the piece D is formed into a hooked cap, g, so as to sit over the opening into which the supports slide, and by which it can be lifted up and the swinging part d thrown out over the edge h, as shown in Figs. 1 and 2, where it stands of itself until folded, as in Fig. 3, ready to drop into the socket when the carriage-top is thrown back.

This makes a very simple glass support for doors of carriages, such as landaus, coaches, landaulettes, broughams, &c., which are constructed to be either open or closed.

I claim—

The pivoted supplemental pieces d, having the protecting-strips f, in combination with the supports D D, having the hooked ends g, combined to operate substantially as and for the purpose specified.

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

Witnesses:

JAMES CARSON.

J. R. DRAKE,
T. H. PARSONS.