

No. 712,825.

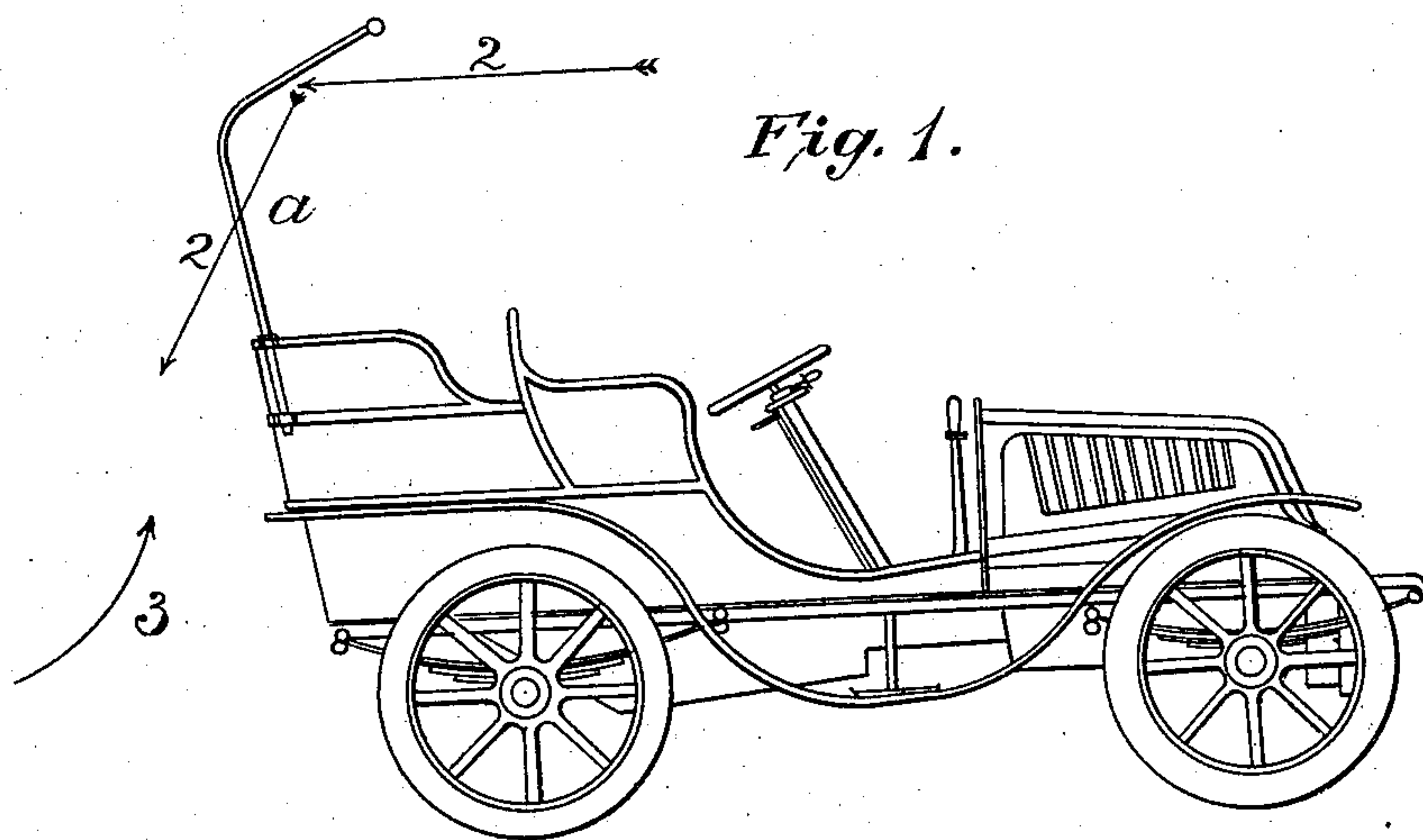
Patented Nov. 4, 1902.

J. F. MASON.
MOTOR CAR OR OTHER VEHICLE.

(Application filed July 29, 1902.)

2 Sheets—Sheet 1.

(No Model.)



Witnesses
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Inventor
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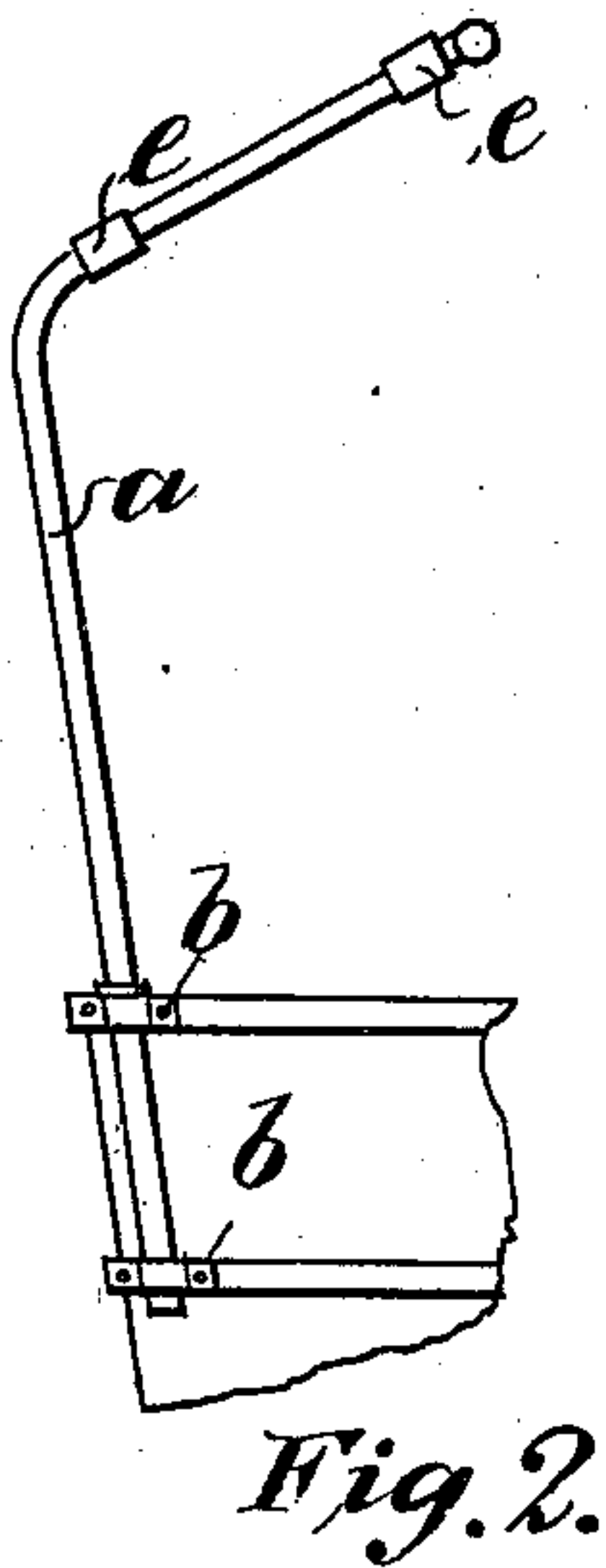


Fig. 2.

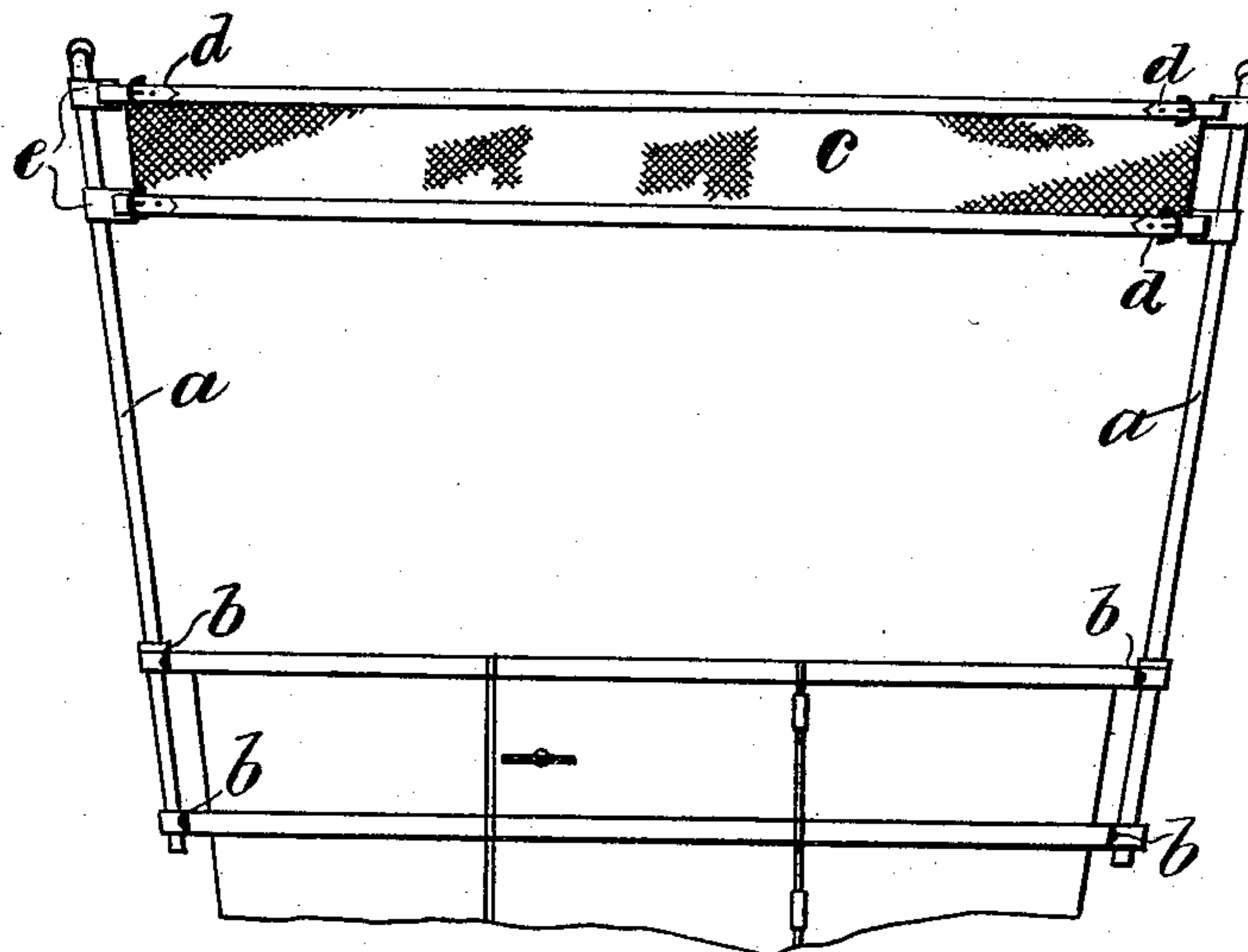


Fig. 3.

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UNITED STATES PATENT OFFICE.

JAMES FRANCIS MASON, OF LONDON, ENGLAND.

MOTOR-CAR OR OTHER VEHICLE.

SPECIFICATION forming part of Letters Patent No. 712,825, dated November 4, 1902.

Application filed July 29, 1902. Serial No. 117,442. (No model.)

To all whom it may concern:

Be it known that I, JAMES FRANCIS MASON, a subject of the King of Great Britain and Ireland, residing at 1 Chesterfield Gardens, London, W., England, have invented certain new and useful Improvements in and Relating to Motor-Cars or other Vehicles, (for which I have made application for Letters Patent in Great Britain, No. 13,292, bearing date June 11, 1902, and in Belgium, No. 130,889, dated July 12, 1902,) of which the following is a specification.

My invention relates to motor-cars and other vehicles intended to travel at high speeds, and has for its object to prevent the deposit of dust within such vehicles.

It is found in high-speed vehicles traveling on ordinary roads that a suction is caused by the motion, and this suction taking place from a region where the air is dust-laden continuous deposit of dust within the vehicle is produced, which is a source of great annoyance to the occupants.

My invention consists generally in causing the motion of the vehicle by means of a screen to produce a current of air directed in such a way as to exclude the inrush of dust-laden air from behind the vehicle.

In the accompanying drawings, Figure 1 is a side elevation of a motor-car fitted with one form of device I employ to direct an opposing current of air against the dust-current. Figs. 2 and 3 are side and end views of the same device on a larger scale.

In carrying my invention into effect I employ an inclined plane *c*, of stretched waterproof-canvas of other suitable material supported at a suitable height above the back end of the vehicle. A convenient form I find to be two stanchions *a a*, supported in clamps *b b* at the two back corners of the vehicle. These have upper portions projecting forward at an angle of about forty-five degrees. A strip or screen *c* of waterproof canvas or other material of any suitable character is stretched between these inclined portions by means of straps *d*, preferably taking through eyelets *e* in the stanchions *a*. I find a screen of about fifteen to eighteen inches broad is quite sufficient. The height above the vehicle at which the screen or inclined plane is supported depends on the height of the vehicle above the road and the angle at which the

screen is set. The best position can readily be found. Instead of waterproof-canvas a transparent material of the character of celluloid might be employed, although I find the screen can be put at such a height that it does not really obstruct the view. As the vehicle travels through the air at a high speed the air striking the under side of the inclined plane or screen is directed downward over the back end of the vehicle, as indicated by the arrows 2, meets the upward current of dust-laden air, (indicated by the arrow 3,) and prevents the ingress of the same, which would otherwise take place. It will also be seen that the invention may be applied to exclude an inrush of dust-laden air at other parts of the vehicle than the rear, if desired. Where oil in any form is used upon roads in order to keep down the dust, the dust thrown down by a screen according to the invention will also be prevented from flying about.

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

1. In a road-vehicle or the like means for preventing the inrush of dust-laden air consisting of a deflector supported above the body of the vehicle for deflecting the air-current produced by the motion of the vehicle against the inrushing current of dust-laden air.

2. In a road-vehicle or the like means for preventing the inrush of dust-laden air consisting of an inclined screen, arranged at or near the part to be protected, for deflecting the air-current produced by the motion of the vehicle against the inrushing current of dust-laden air.

3. A screen or deflector for vehicles, comprising standards having forwardly-inclined upper ends, a screen between said ends for directing a current of air downwardly against the ascending dust-laden air, and straps or fastening devices for securing the ends of the screen to the standard ends; substantially as described.

In witness whereof I have hereunto set my hand in presence of two witnesses.

JAMES FRANCIS MASON.

Witnesses:

ALBERT E. PARKER,
FRANCIS J. BIGNELL.