J. HODGSON.

WIND SCREEN FOR MOTOR VEHICLES.

APPLICATION FILED JUNE 23, 1913.

1,210,313.

Patented Dec. 26, 1916.

2 SHEETS—SHEET 1.

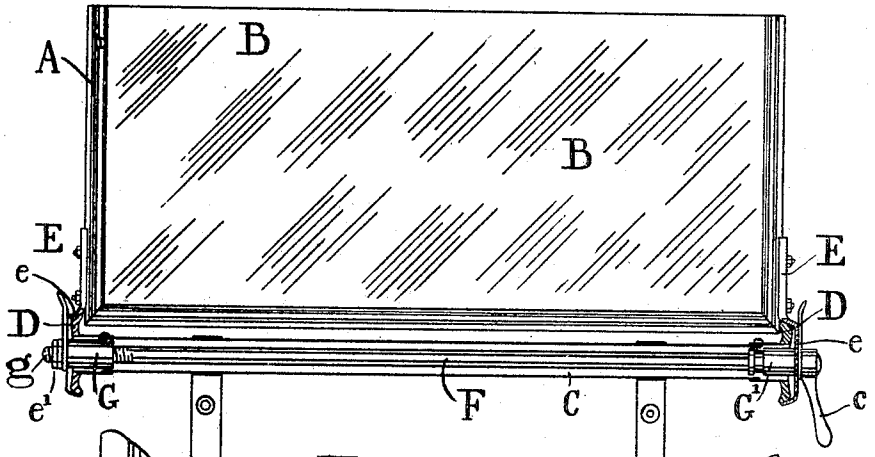

Fig. 1.

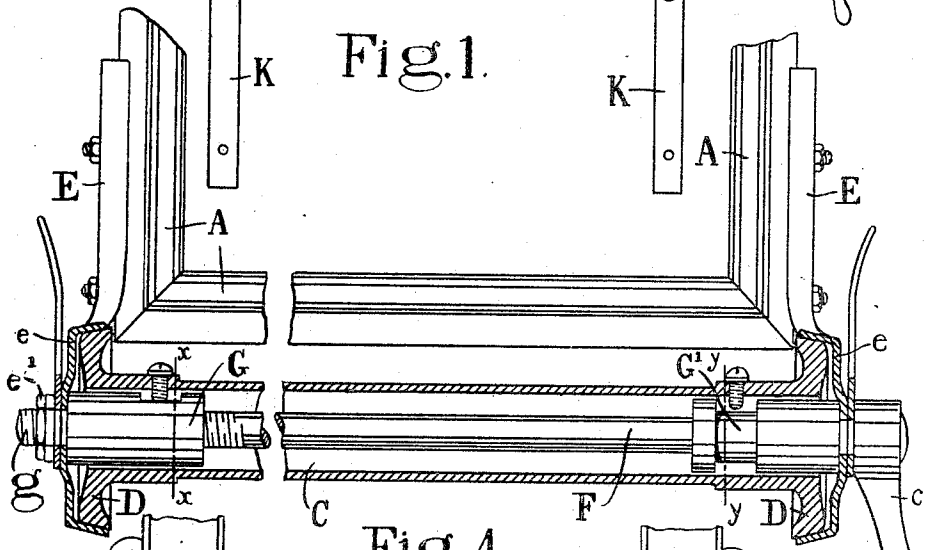

Fig. 4.

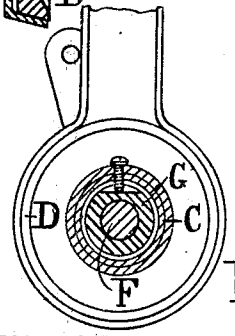

Fig. 5.

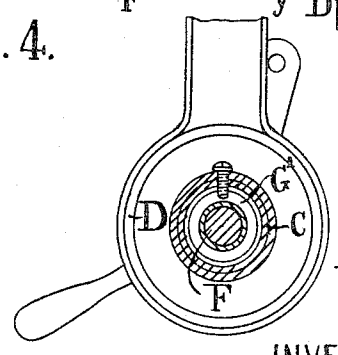

Fig. 6.

WITNESSES.

M. E. McDade.

INVENTOR.

James Hodgson

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2 SHEETS—SHEET 2.

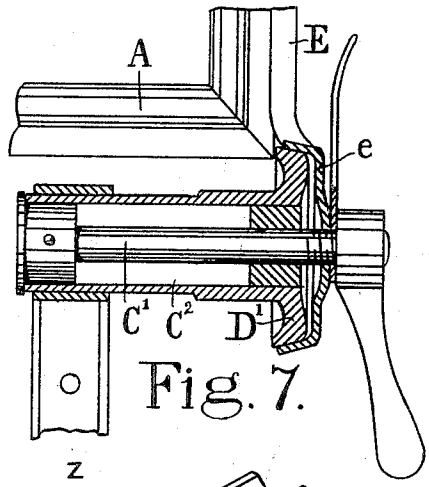

Fig. 7.

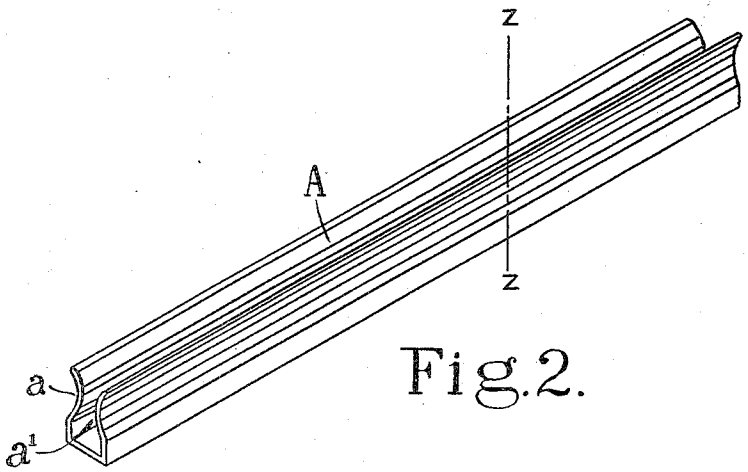

Fig. 2.

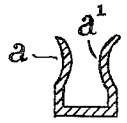

Fig. 3.

WITNESSES.

M. E. McDade.

INVENTOR

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Attorney

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

JAMES HODGSON, OF CARLISLE, ENGLAND.

WIND-SCREEN FOR MOTOR-VEHICLES.

1,210,313. Specification of Letters Patent. Patented Dec. 26, 1916.

Application filed June 23, 1913. Serial No. 775,313.

To all whom it may concern:

Be it known that I, JAMES HODGSON, a British subject, residing at Carlisle, county of Cumberland, England, have invented certain new and useful Improvements in Wind-Screens for Motor-Vehicles, of which the following is a specification.

This invention relates to wind screens such as are employed on motor cars and similar vehicles.

It is designed to provide means for securing the glass screen in position and for adjusting it to the desired inclination.

It consists essentially of a frame formed of a spring metal channel the sides of which are concave on the outside, convex on the inside and beveled at the edges to grip and hold the glass securely without rattling, as hereinafter set forth and claimed.

The invention will be fully described with reference to the accompanying drawings.

Figure 1 is a front elevation of the screen. Fig. 2 is a perspective view of the screen frame. Fig. 3 is a transverse section on line *z*—*z*, Fig. 2. Fig. 4 is a sectional elevation of the tubular attachment bar with conical ends. Fig. 5 is a transverse section on line *x*—*x*, Fig. 4. Fig. 6 is a transverse section on line *y*—*y*, Fig. 4. Fig. 7 is a sectional elevation showing a modification.

The screen frame A which carries the glass B is constructed of a spring metal channel the sides being rolled or formed concave at *a* on the exterior and convex at *a'* on the interior and the edges beveled. The glass is forced in between the two convex sides *a'* which spring outward and always apply a tight grip on the glass and thereby prevent any rattling.

The frame A is mounted on a tubular attachment bar C the ends of which are formed with conical enlargement D. Brackets E are bolted or otherwise affixed to the frame A and these are formed with conical bearing bushes *e* which fit over the conical ends D of the bar C. A clamping bolt or rod F is passed longitudinally through the bar C, which bolt or rod screws into a plug or nut G secured in one end of the bar C; a similar plug G' is placed in the other end of the bar, and this plug G' may be formed on the rod F or the latter may pass through it. The plug G is provided with a screw *g* at its outer end to which one of the brackets E is secured by nuts *e'*. A knob or handle *c* is attached to the other end of the rod F and by rotating the rod and screwing it into the plug G the bushes *e* of the brackets E are drawn together and clamped upon the conical ends D of the attachment bar C. The attachment bar is affixed to the dash or other part of the car or vehicle by suitable brackets K secured thereto.

Instead of a tubular bar extending the whole width of the screen two short lengths C' C^2 one at either end may be employed each provided with a conical end D' and a bolt or stud C' passing through to secure the conical bush *e* of the screen brackets E thereto as shown in Fig. 7.

In the case of a double screen similar fittings may be fixed at the junction of the two parts of the screen as well as at the base.

What I claim as my invention and desire to protect by Letters Patent is:—

A frame for the glass screens of motor and other vehicles comprising a single trough-shaped member having outwardly-flaring flexible spring metal sides which are concave on the outside and convex on the inside to directly clamp and hold the glass.

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

JAMES HODGSON.

Witnesses:
T. OWDEN O'BRIEN,
GEO. H. O'BRIEN.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."