

No. 834,503.

PATENTED OCT. 30, 1906.

A. L. BANKER.
WIND SHIELD.

APPLICATION FILED NOV. 16, 1905.

2 SHEETS—SHEET 1.

Fig. 1.

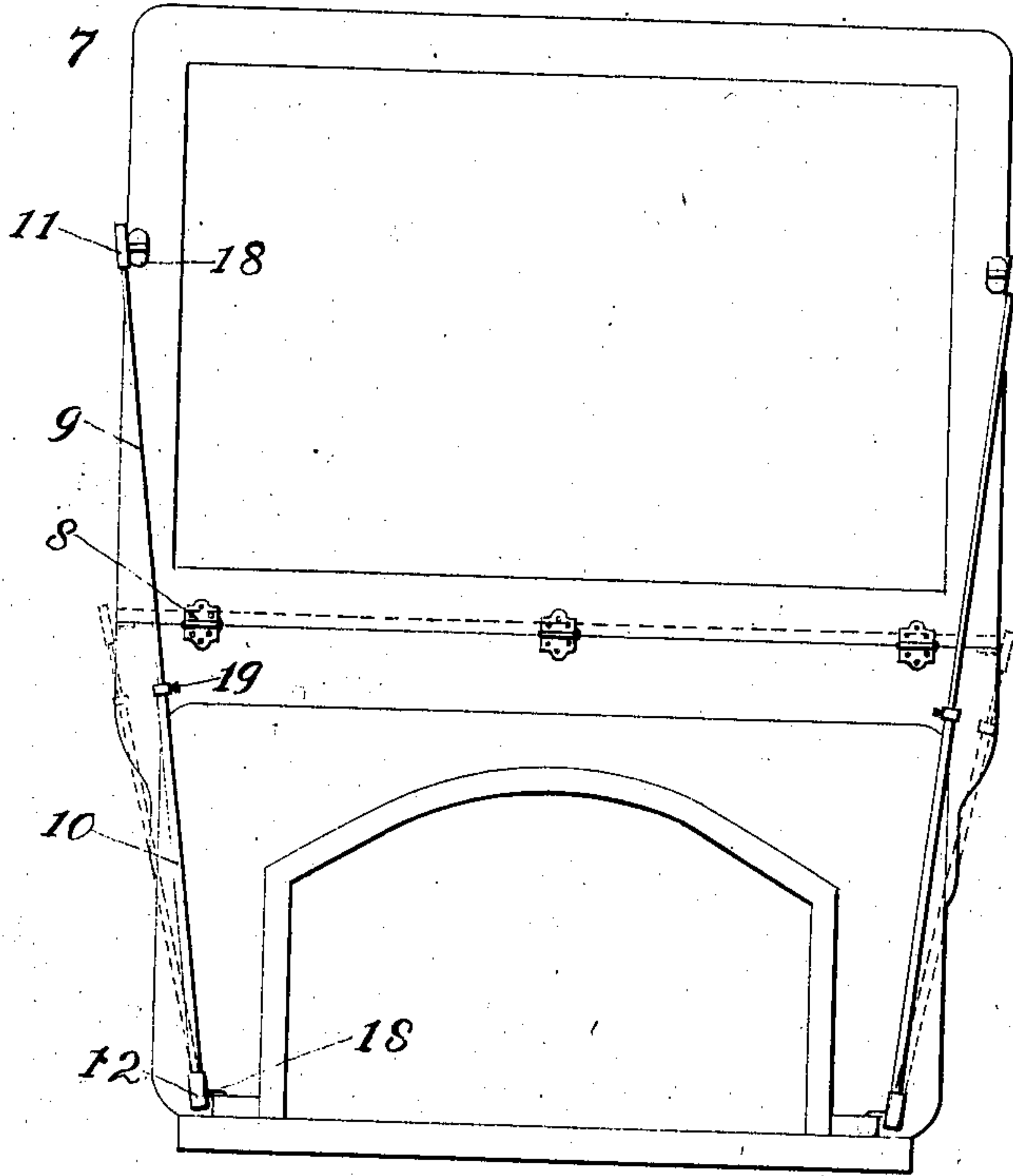
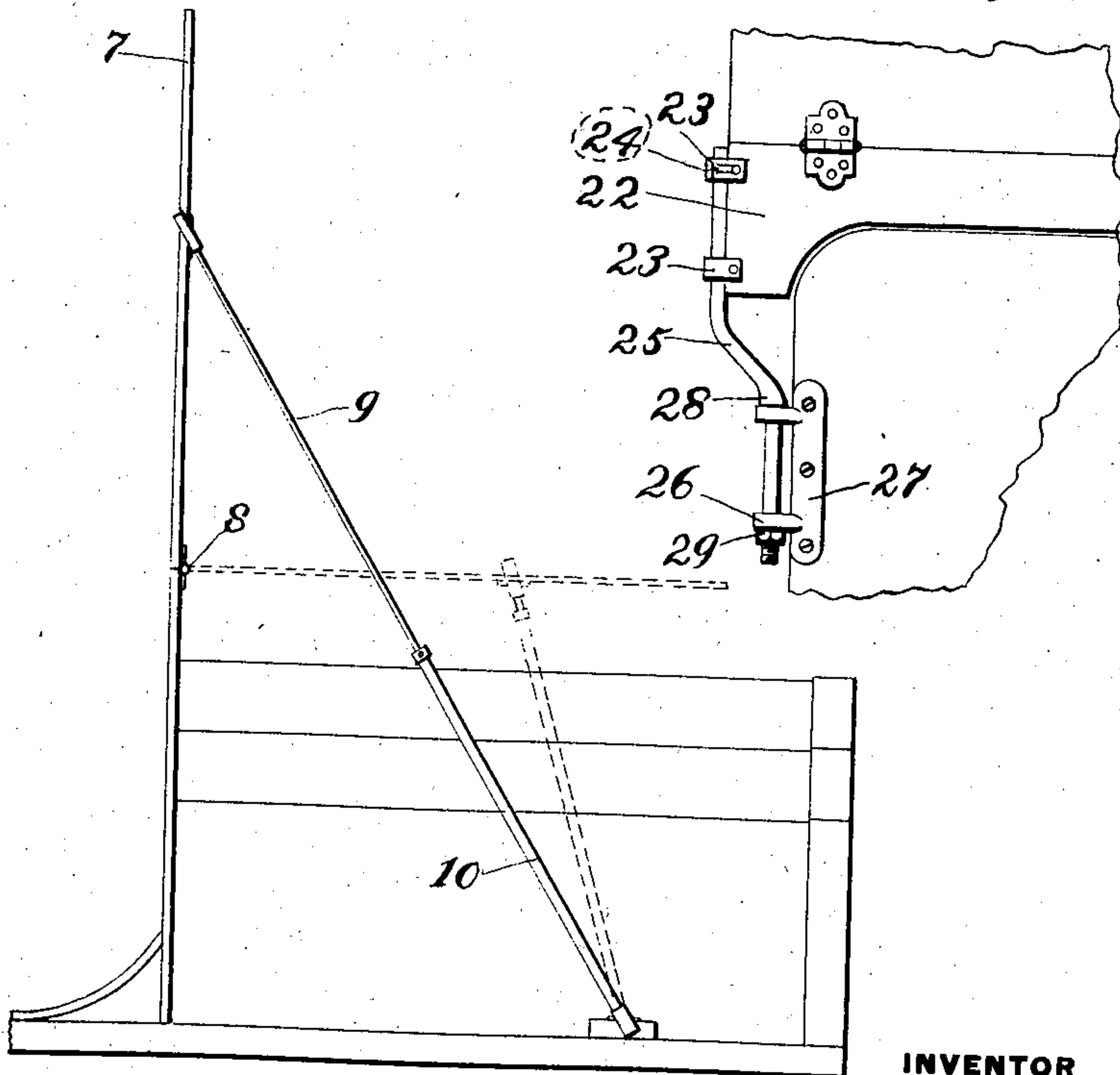


Fig. 7.

Fig. 2.



WITNESSES

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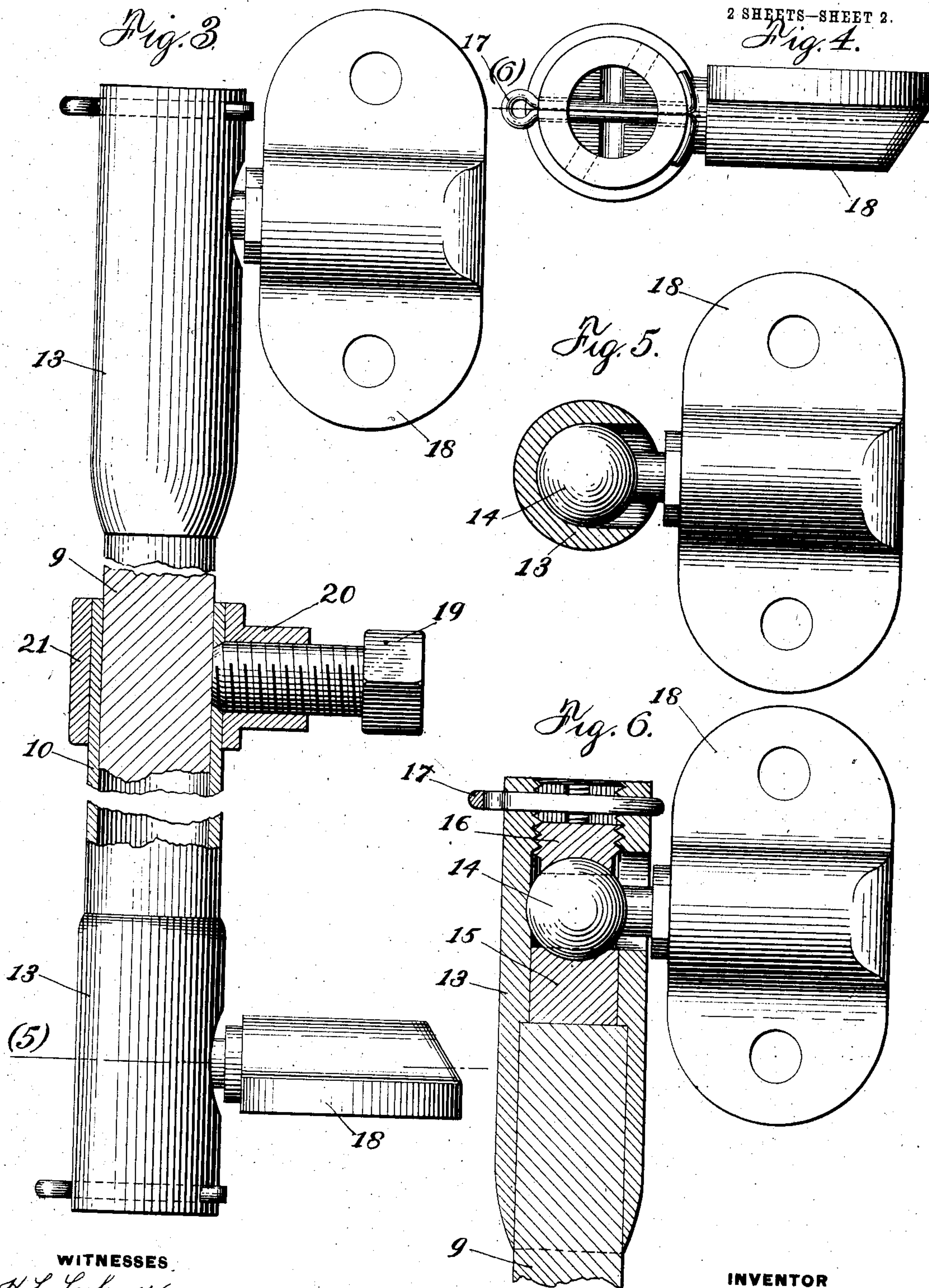
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ARTHUR L. BANKER, OF PITTSBURG, PENNSYLVANIA.

WIND-SHIELD.

No. 834,503.

Specification of Letters Patent.

Patented Oct. 30, 1906.

Application filed November 16, 1905. Serial No. 287,577.

To all whom it may concern:

Be it known that I, ARTHUR L. BANKER, a citizen of the United States, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Wind-Shields, of which the following is a specification.

The object of this invention is to provide a wind shield for automobiles, which is adapted to be held in an upright position when in use and in a lowered position when not in use. The invention further resides in the particular means for securing the adjustment and for holding the shield in its varying positions. One form of the invention is shown in the accompanying drawing, wherein—

Figure 1 is a front elevation showing the shield as applied to the vehicle;

Figure 2 is a similar view in side elevation;

Figure 3 is a detail of the telescoping rods with the central part broken away and also shown in section in order that both ends of the rod and the means for fastening the telescoping parts may be shown;

Figure 4 is an end view of the rod;

Figure 5 is a section on the line (5) in Figure 3;

Figure 6 is a section on line (6) of Figure 4, and shows the construction of the universal joint, and

Figure 7 is a detail view showing a modification whereby the part which carries the screen may be removed.

As shown in Figures 1 and 2, 7 is a shield of ordinary construction secured at its lower portion by hinges 8, and adapted to swing from its upright position of use to a horizontal position in which it lies immediately over and close to the hood of the automobile. The invention contemplates, broadly, the use of any adjusting and holding means for securing the shield in the two positions just referred to, but the preferred form of securing and holding means is shown in the accompanying drawings as two sets of telescoping rods, one set applied to each side of the shield. One of these rods 9 is secured by a universal joint 11 to the shield 7 and telescopes inside the other rod or tube 10 which in turn is secured by a universal joint 12 to the side of the hood deck or frame. The two rods are held in their adjusted position by means of a set screw. The use of the universal joint is necessitated by the fact that the frame to which it is desirable to attach

the lower rods is narrower than the shield to which the upper rods are attached and consequently in going from the upper position to the horizontal position a certain amount of lateral play occurs. This is illustrated in Figure 1 by the showing in dotted lines of the rods when the shield is in horizontal position. Figures 3 to 6, inclusive, show the details of construction of the adjusting rods and their universal joints. As shown in Figures 3 and 6, the ends of the rods 9 and 10 are re-enforced by sleeves 13 which carry the balls for the universal joint. The ball 14 is held between the block 15 and the adjusting block 16 which is screw threaded into the sleeve 13 and held from movement by means of a cotter 17 which passes through holes in the end of the sleeve and engages the upper end of the block 16 which block is split as shown in Figures 4 and 6 to accommodate such cotter. The balls are secured to the parts 18 which are in turn fastened by screws or other suitable holding means to the shield and to the hood deck or frame. As shown in Figure 3 the rod 9 telescopes inside of the tube 10 and is held in adjusted position by the set screw 19, which passes through a boss 20 of the collar 21 secured to the tube 10 and bears against the rod 9. In order to avoid scarring the rod a split clamp of well known construction may be substituted for the set screw 19. To provide for the expeditious removal of the shield, the hinges 8 are provided with removable pins. Figure 7 shows a modification wherein the front board which carries the hinged shield may be removed bodily. The board carries two straps 23 the upper of which is provided with a screw 24. These straps carry the rod which slips removably in sockets 26 on the part 27 secured to the lower part of the front board. The rod is shouldered at 28 and has a nut 29 for holding it securely.

The operation of the device is obvious without further description and it will be apparent that the device affords a very convenient and secure adjustment for the shield which in its upper position of use is as secure as if integral with the body of the machine and in its lower position is held so as to be entirely out of the way and inconspicuous.

Having thus described my invention and illustrated its use, what I claim as new, and desire to secure by Letters Patent, is the following:

1. In combination an automobile shield

hinged at its lower edge and telescoping rods with fastening means and universal joint connections with the shield and frame and adapted to hold the shield both in lowered
5 and raised position.

2. In combination, an automobile shield hinged at its lower edge and rods secured to the frame and shield respectively with universal joints, and slidably connected to each
10 other and provided with fastening means

whereby the shield may be held at any adjusted position.

In testimony whereof I have hereunto signed my name in the presence of the two subscribed witnesses.

ARTHUR L. BANKER.

Witnesses:

F. E. GAITHER,
ARCHWORTH MARTIN.