

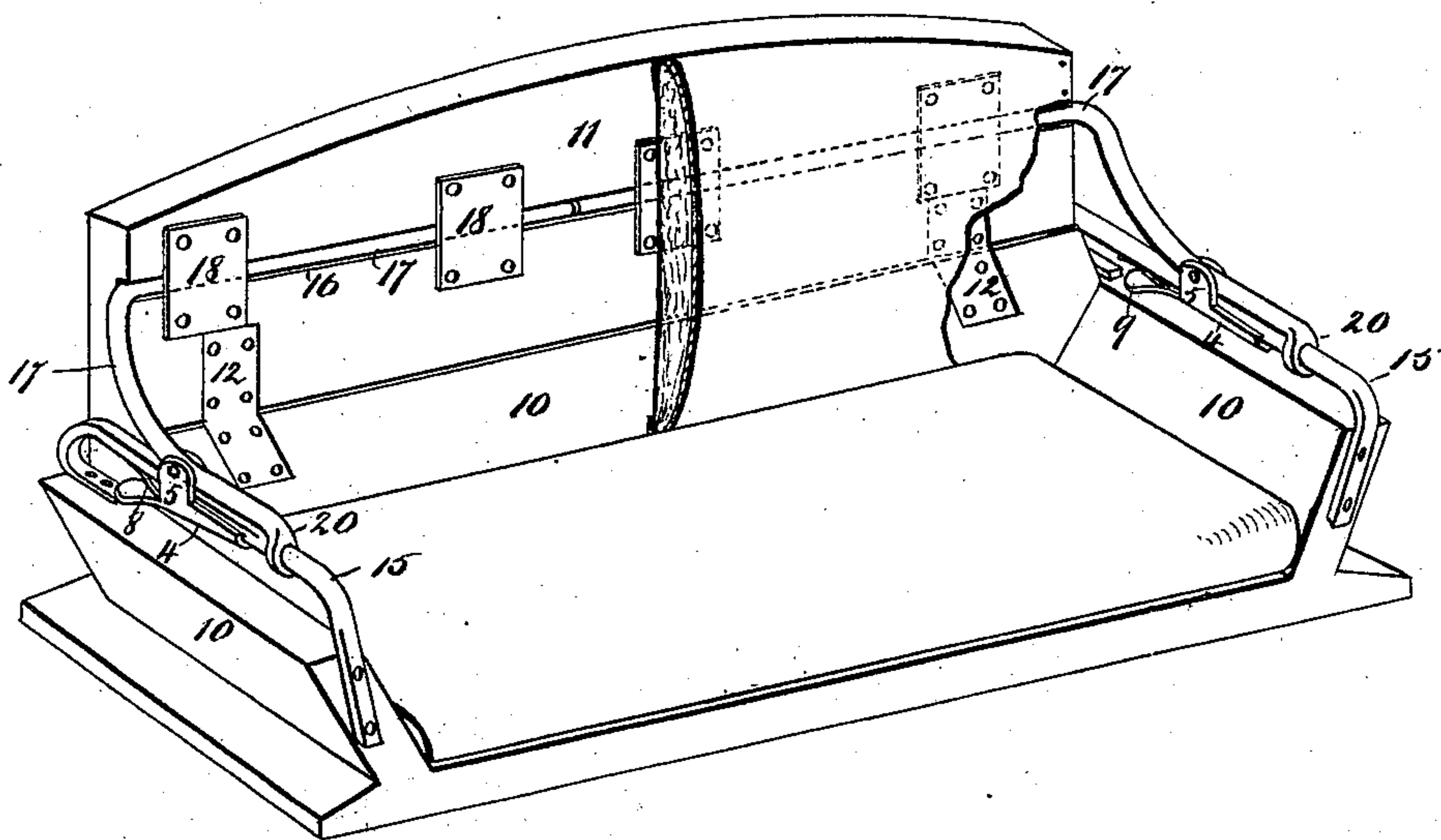
(No Model.)

W. K. HOWES.  
VEHICLE SEAT.

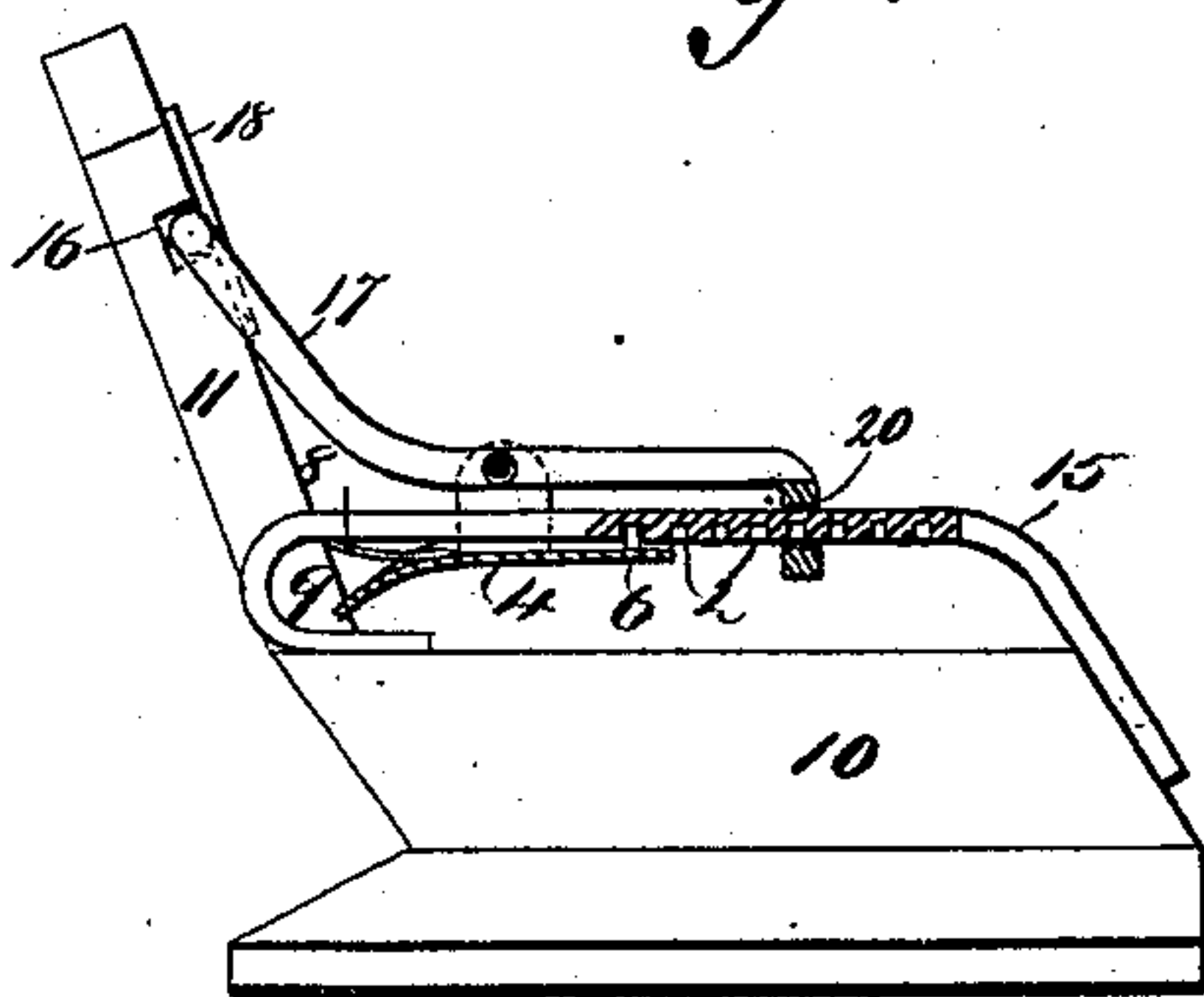
No. 355,319.

Patented Jan. 4, 1887.

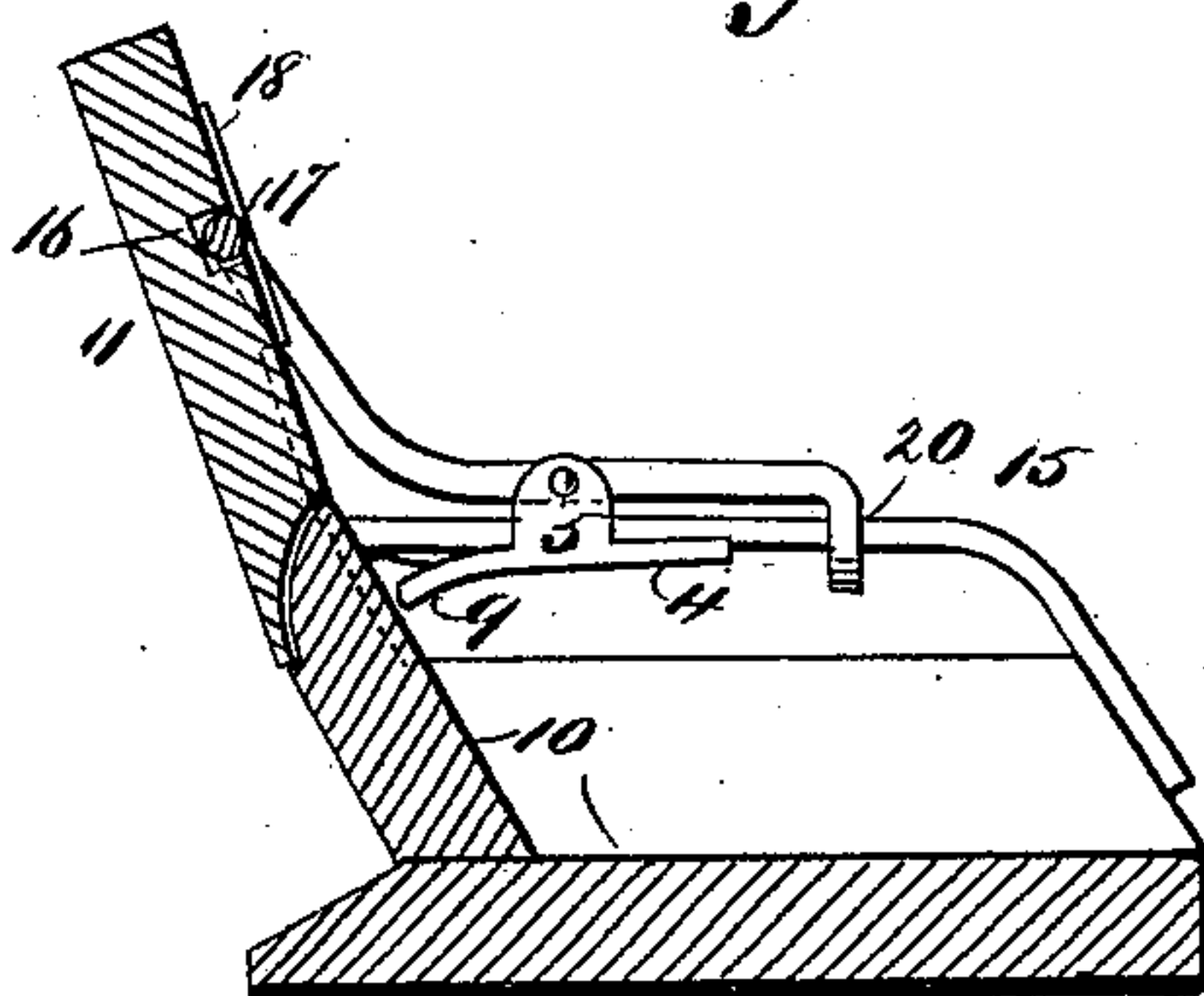
*Fig. 1*



*Fig. 2*



*Fig. 3*



WITNESSES:

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# UNITED STATES PATENT OFFICE.

WILLIAM K. HOWES, OF STRONG, MAINE.

## VEHICLE-SEAT.

SPECIFICATION forming part of Letters Patent No. 355,319, dated January 4, 1887.

Application filed June 2, 1886. Serial No. 203,909. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM K. HOWES, of Strong, in the county of Franklin and State of Maine, have invented a new and Improved Vehicle-Seat, of which the following is a full, clear, and exact description.

My invention relates to the construction of a cheap, efficient, and durable vehicle-seat, wherein the back is adjustably connected to the main portion of the seat-frame and arranged so that it may be adjusted to vary its inclination, so as to meet the requirements of the occupant of the seat.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar figures of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of the seat, parts being broken away. Fig. 2 is an end view of the seat, the seat-frame and the holding attachment being shown in section; and Fig. 3 is a central cross-sectional view.

In the construction illustrated, 10 represents the main seat-frame, to which there is hinged the back 11 by hinges 12. The frame 10 is provided with two side arms, 15, which set up from the upper face of the frame proper, and which are formed with recesses 2, as shown in Fig. 2, in their forward under side. In the back 11 there is a longitudinal groove, 16, and in this groove there are fitted rods 17, held to place by plates 18. The extending end of each of the rods 17 is bent forward, and extends over one of the arms 15, said arms 15 being passed through eyes 20, that are formed at the ends of the rods 17. A plate, 4, is, through the medium of its ears 5, pivotally connected to each

of the rods 17, and these plates carry pins 6, that enter the recesses 2 of the arms 15, the pins being normally held within one of the recesses by the action of a spring, 8, arranged to bear against the under side of the arm 15.

Such being the general arrangement of the seat, it will be seen that when it is desired to throw the back of the seat to the rear the thumb-pieces 9 upon the rear ends of the plates 4 are pressed, the pins 6 are withdrawn from engagement with the recesses 2, and the back is forced to the required position, in which position it will be held by the pins 6, it being understood that the pressure upon the thumb-pieces 9 is relaxed and the springs 8 allowed to act to throw the pins 6 upward and into one of the recesses 2.

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

1. The combination, with a seat provided with arms 15, of a back, 11, hinged to the seat-frame, rods 17, carried by the back and formed with eyes 20, through which the arms 15 are passed, and a catch mechanism, substantially as described.

2. The combination, with a seat provided with arms 15, of a back provided with forwardly-bent rods 17, held thereto by plates 18, and carrying plates 4, provided with pins 6, arranged to engage with recesses 2, formed in the seat-arms 15, substantially as described.

WILLIAM K. HOWES.

Witnesses:

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