

(No Model.)

D. BISHOP.  
VEHICLE SEAT.

No. 427,960.

Patented May 13, 1890.

Fig. III.

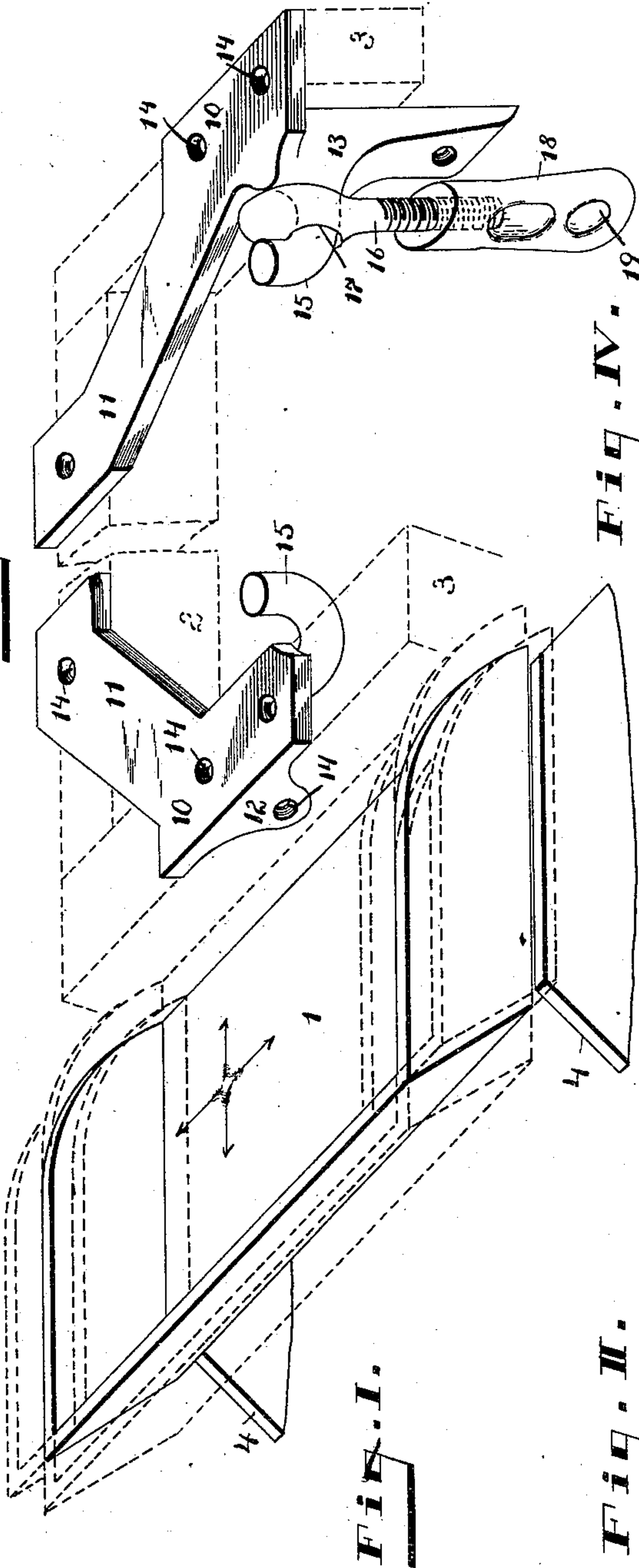


Fig. IV.

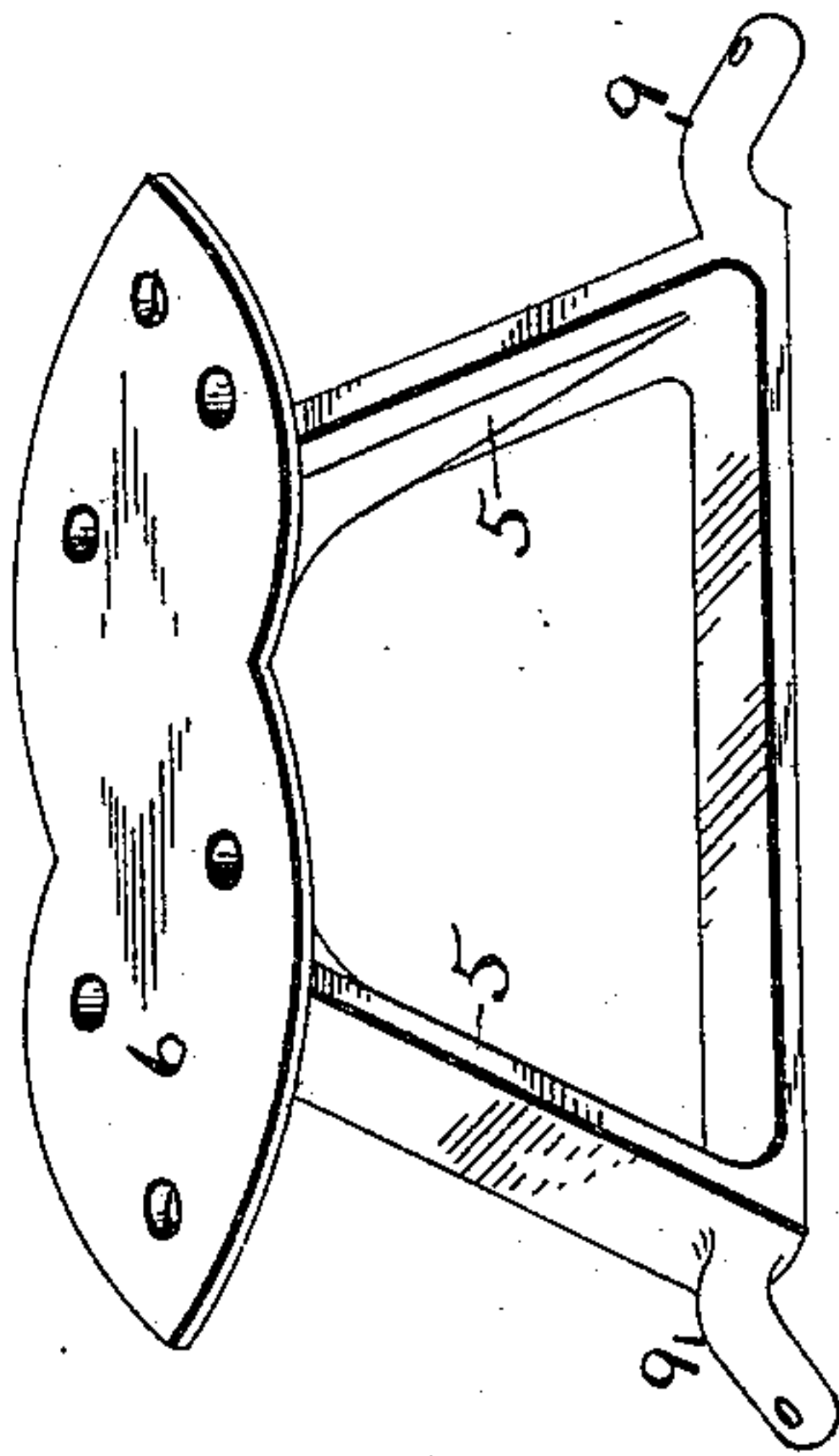
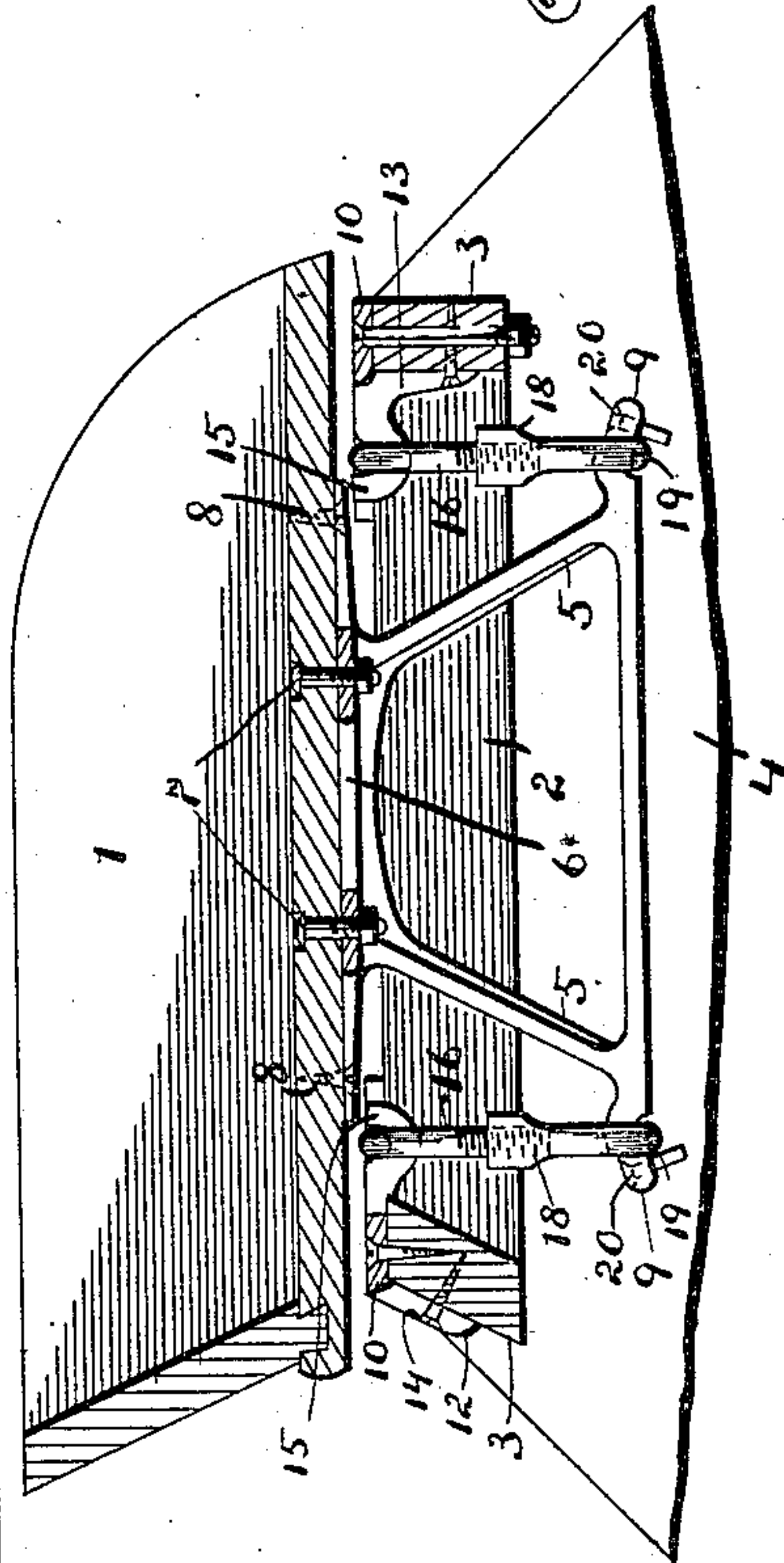


Fig. I.

Fig. II.



Witnesses:  
L. G. Fischer  
E. Arthur

Inventor:  
Demott Bishop.

By *Amie R. Bishop*  
Atty.



# UNITED STATES PATENT OFFICE.

DEMOTT BISHOP, OF LEAVENWORTH, KANSAS.

## VEHICLE-SEAT.

SPECIFICATION forming part of Letters Patent No. 427,960, dated May 13, 1890.

Application filed February 12, 1890. Serial No. 340,091. (No model.)

*To all whom it may concern:*

Be it known that I, DEMOTT BISHOP, of Leavenworth, in the county of Leavenworth and State of Kansas, have invented certain  
5 new and useful Improvements in Vehicle-Seats, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part of this specification.

10 My invention relates to an improved method of suspending a vehicle-seat; and my invention consists in features of novelty hereinafter described, and pointed out in the claims.

15 Figure I is a perspective view of a seat, the dotted lines showing the manner in which it may vibrate on its support. Fig. II is a vertical section showing my improved mode of suspending the seat. Fig. III is an enlarged detail view of the supporting-brackets and  
20 the bars to which they are attached. Fig. IV is an enlarged perspective view of one of the supporting-legs of the seat.

Referring to the drawings, 1 represents the body of a seat; 2 3, the usual bars for sup-  
25 porting the seat, and 4 a portion of the vehicle-box.

5 represents a metal leg having an upper flat surface 6, which is secured to the under side of the seat by means of bolts 7 and screws  
30 8. There are two of the legs for each seat for supporting each end thereof. On the lower end of the legs 5 are downward-projecting pintles 9, the purpose of which will be described further on.

35 10 represents brackets secured to the seat-supporting bars 2 3. The brackets are comprised of the flat portions 11, which rest on the upper side of the bars, lips 12, that overlap onto the outer sides of the bars, and  
40 downward-extending portions 13 on the inner sides of the bars. The brackets are provided with screw-holes 14, through which the same may be secured to the bars.

15 represents hooked pins integral with the  
45 brackets, on which may be hung swivel-bolts 16, which are provided with eyes 17 in their upper ends for that purpose. The lower ends of the bolts 16 are screw-threaded and engage swivel-links 18 at their upper ends.

50 The swivel-links 18 are provided near their lower ends with circular openings 19, said

openings being for the purpose of receiving the pintles 9 on the lower end of the seat-supporting legs 5. There being four of the pintles to each seat, there are consequently four of  
55 the swivel-links, said links being placed in position to hold the seat properly. The pintles are provided near their outer ends with pins 20, that pass through openings in the same, said pins preventing any accidental passage  
60 of the pintles out of the openings in the swivel-links.

By the use of my attachments I am enabled to secure a swinging seat to the ordinary seat-frame, whereby it may vibrate to either side  
65 or in a forward or backward direction, as shown in dotted lines in Fig. I, and by the means of the swivel-link and bolt I can readily raise or lower the seat to compensate for wear, &c.; also, by removing the pins 20 in the  
70 pintles and slipping the pintles out of the swivel-links I can quickly remove the seat without the use of a wrench.

I claim as my invention—

1. In a vehicle-seat, the combination of the  
75 seat-body 1, legs 5, seat-supporting frames 2 3, brackets 10, attached to the frames, hooks 15 on the brackets, and adjustable links connecting the hooks 15 with the legs 5, substantially as described, and for the purpose  
80 set forth.

2. In a vehicle-seat, the combination of the seat-body 1, legs 5, secured to the seat-body, pintles 9 on said legs, seat-frames 2 3, brackets 10, secured to the seat-frames, hooks 15 on  
85 the brackets, and adjustable links connecting the hooks 15 with the pintles 9, substantially as described, and for the purpose set forth.

3. In a vehicle-seat, the combination of the seat-body 1, legs 5, secured to the seat-body, pintles 9 on the legs, seat-supporting frames 2 3, brackets 10, having flat portions 11, lips 12, and downward-extending portions 13, hooks 15, integral with said brackets, and bolts 16 and links 18, forming a swivel for  
90 connecting the hooks 15 with the pintles 9, substantially as described, and for the purpose set forth.

DEMOTT BISHOP.

Witnesses:

JAS. E. KNIGHT,  
F. G. FISCHER.