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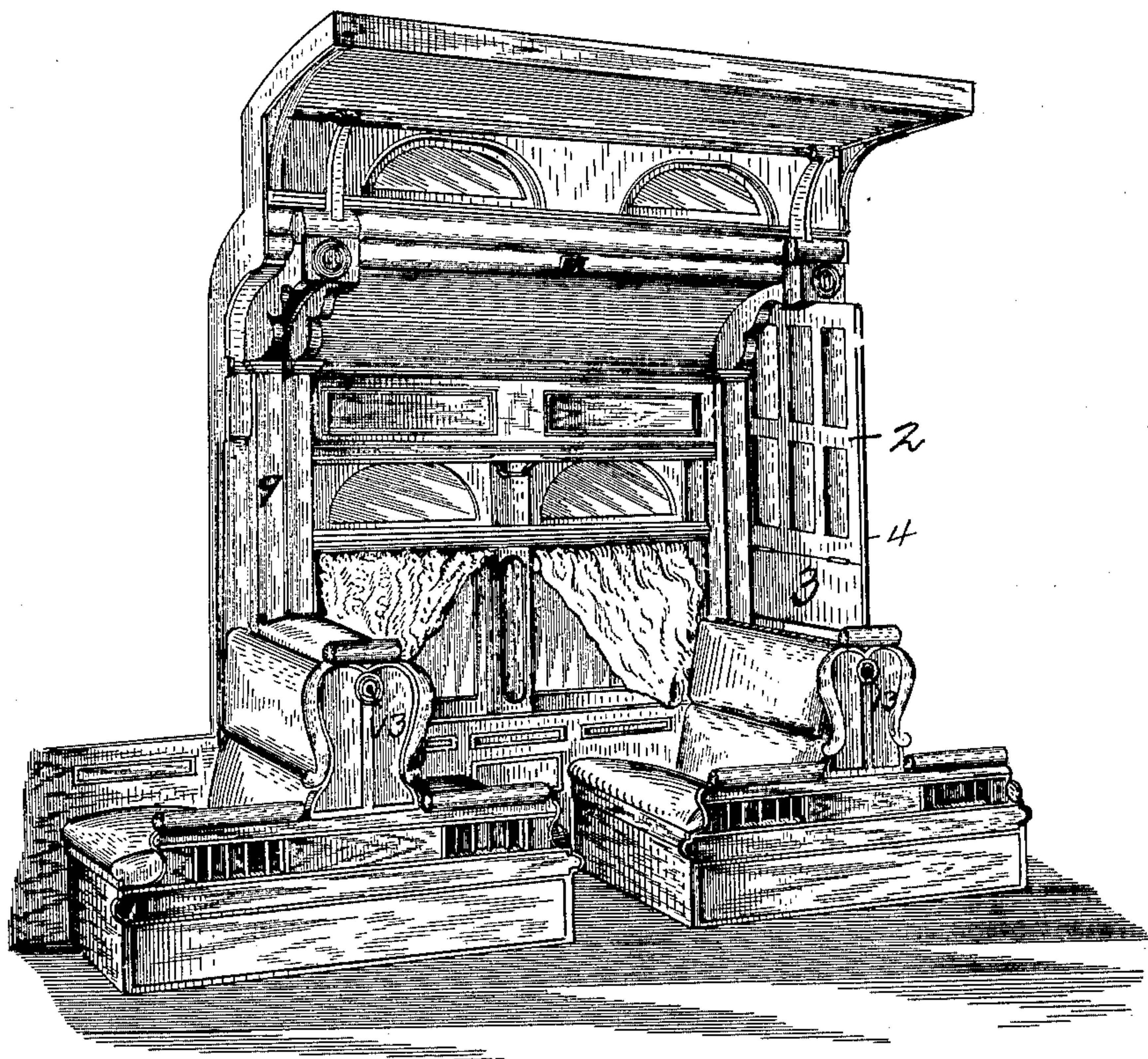
3 Sheets—Sheet 1.

F. T. REESE & C. A. WILLIS.
SLEEPING CAR SECTION PARTITION.

No. 595,207.

Patented Dec. 7, 1897.

Fig. 1.



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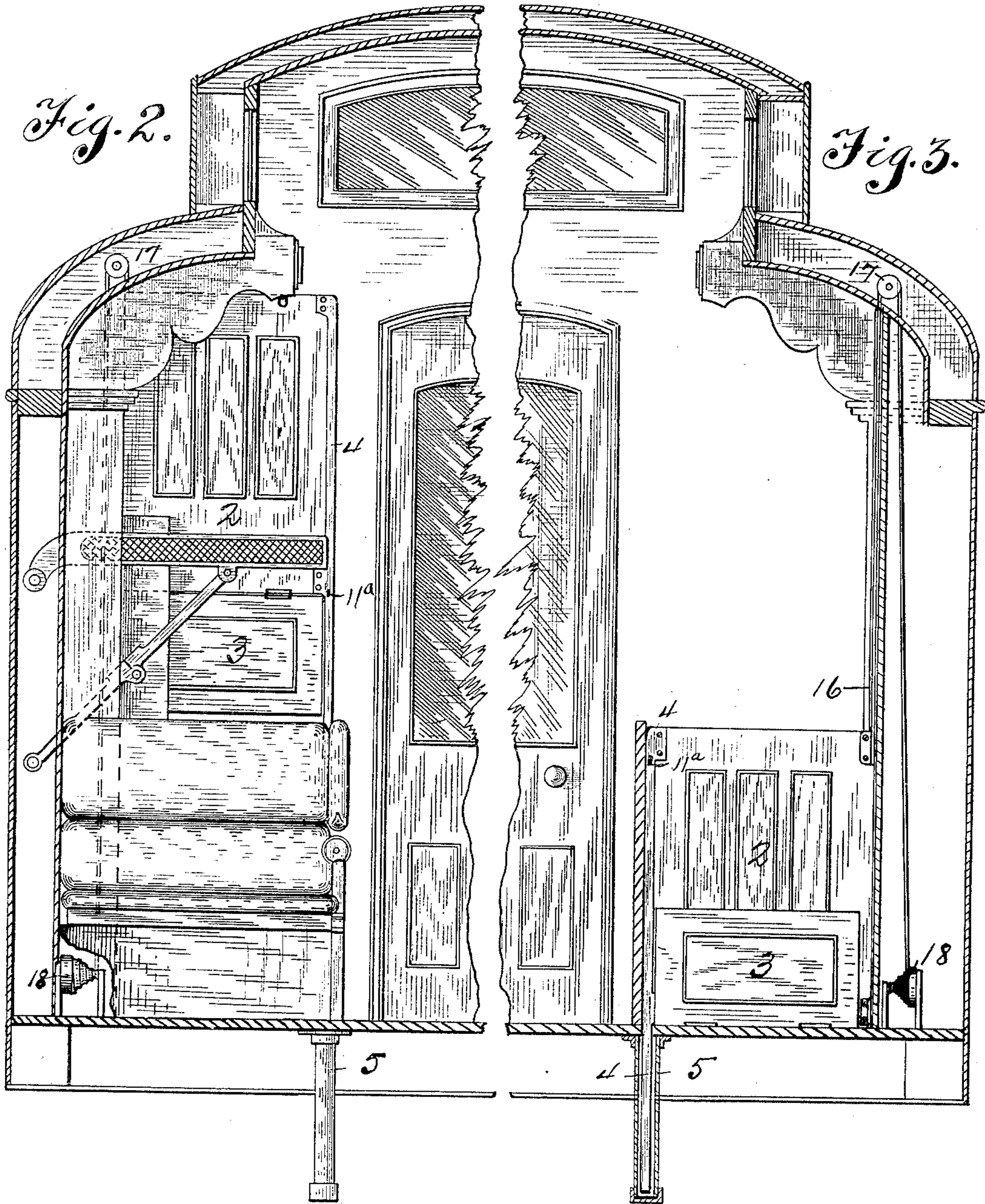
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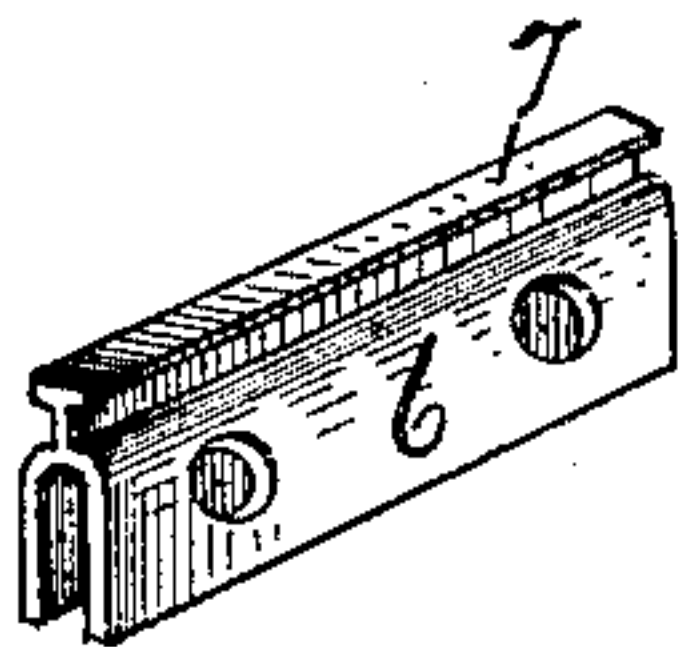
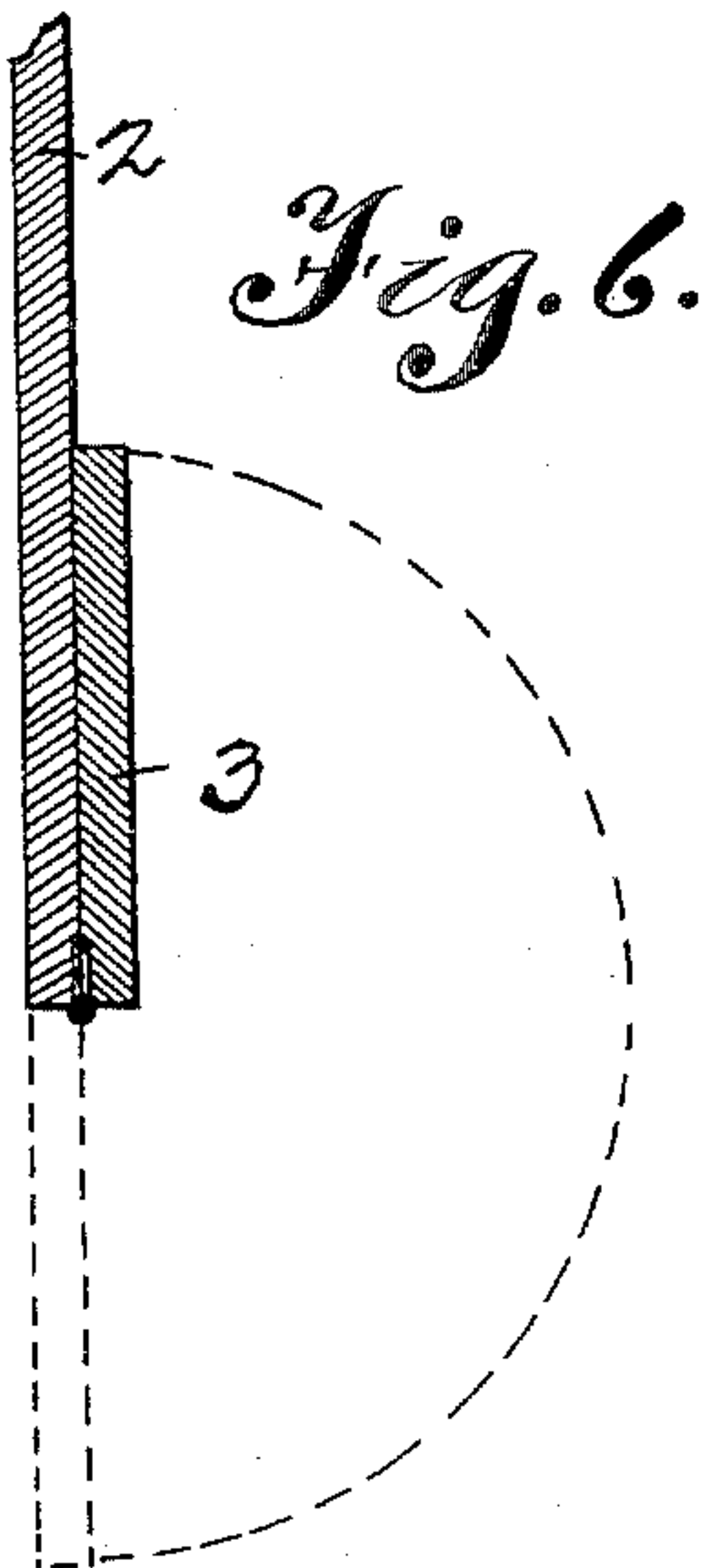
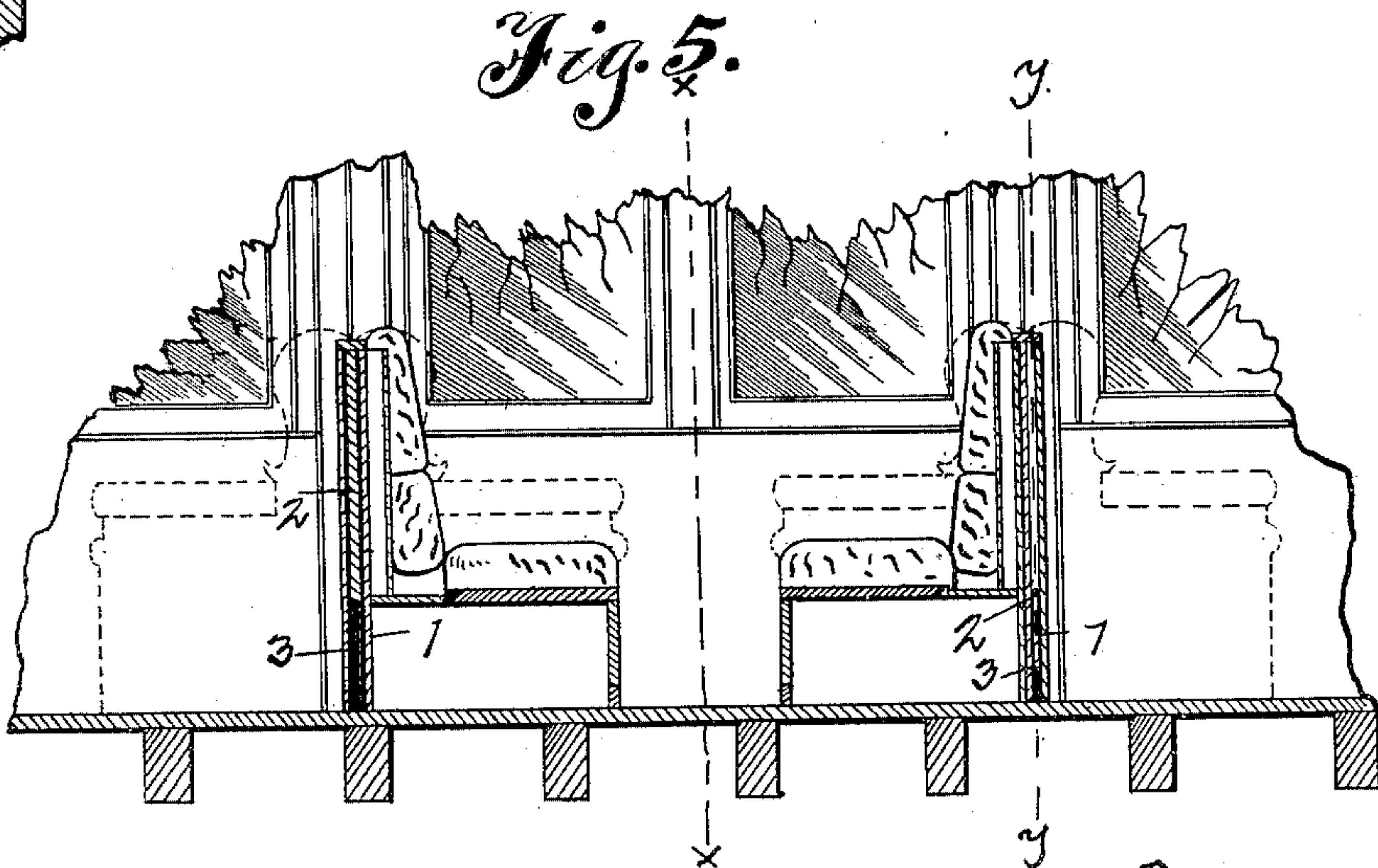
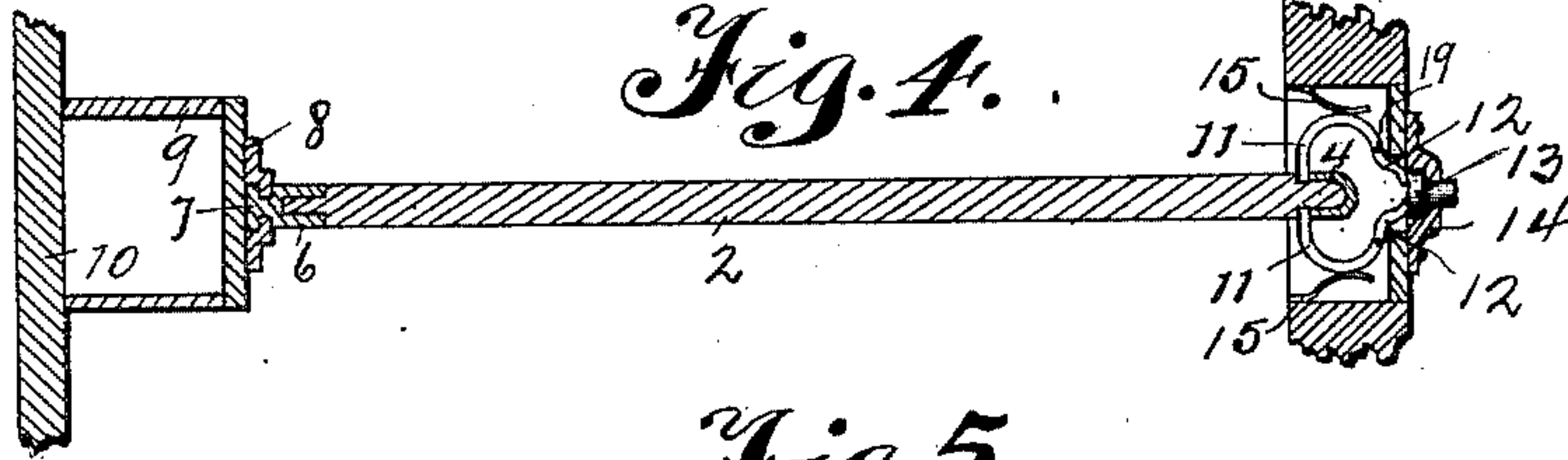
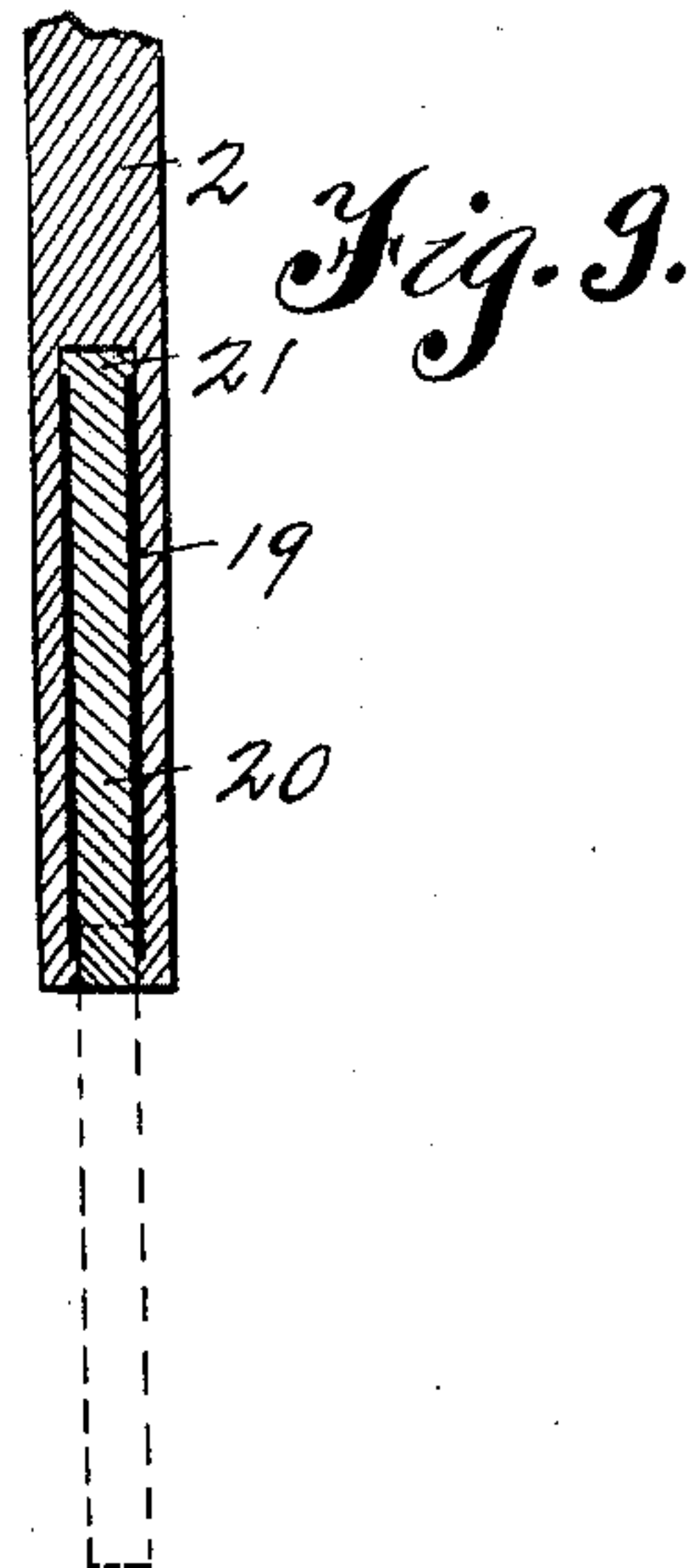
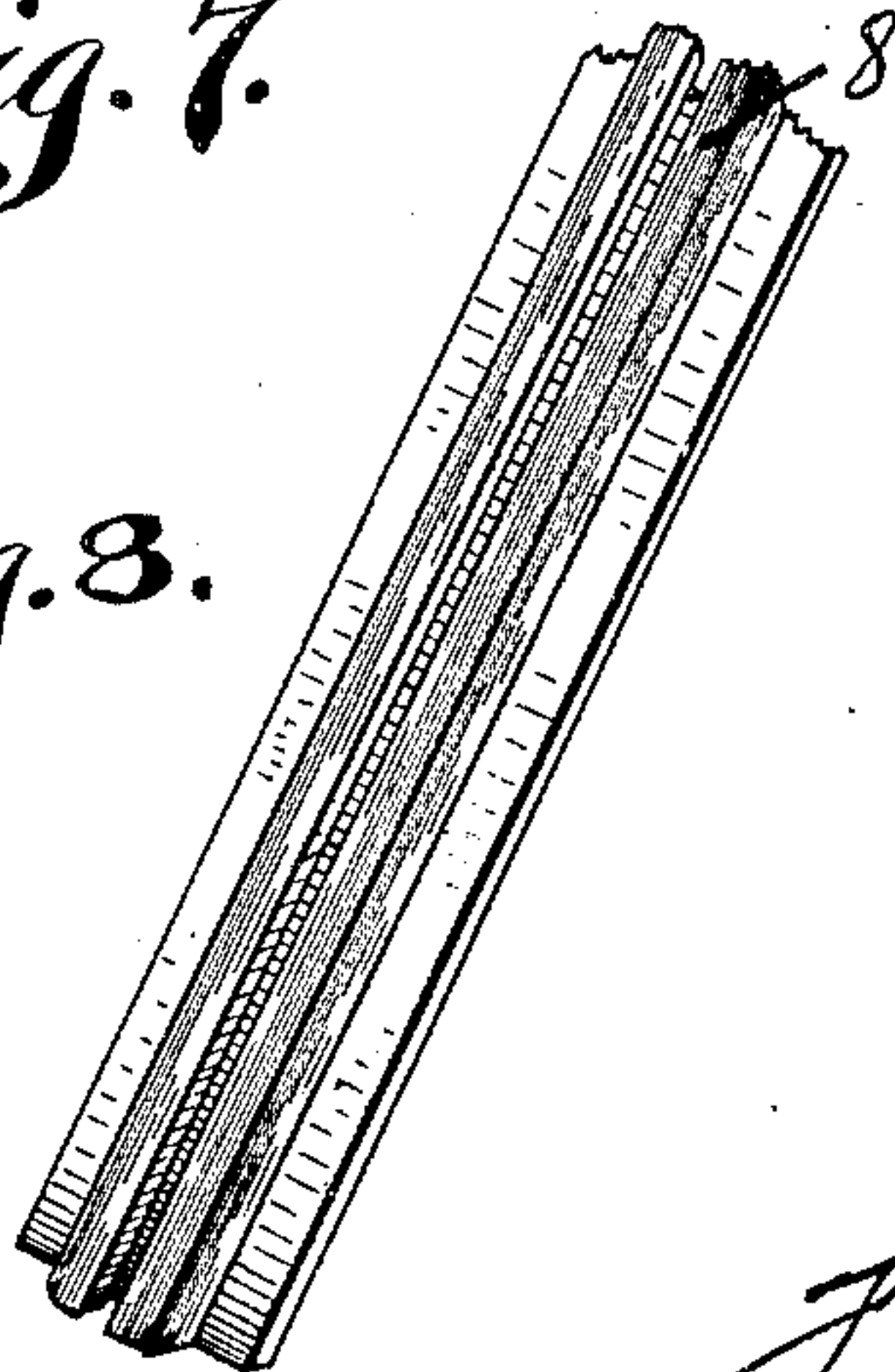


Fig. 8.



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UNITED STATES PATENT OFFICE.

FRANKLIN T. REESE AND CHARLES A. WILLIS, OF CARNEGIE, PENNSYLVANIA.

SLEEPING-CAR SECTION-PARTITION.

SPECIFICATION forming part of Letters Patent No. 595,207, dated December 7, 1897.

Application filed March 19, 1897. Serial No. 628,293. (No model.)

To all whom it may concern.

Be it known that we, FRANKLIN T. REESE and CHARLES A. WILLIS, citizens of the United States of America, residing at Carnegie, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Sleeping-Car Section-Partitions, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to sleeping-cars, and more particularly to the partitions which are employed for dividing the different berths.

The invention has for its object to provide a partition for this purpose that when not in use may be conveniently and readily stored between the backs of the seats and that may be also readily adjusted to its position when it is desired to use the same and will be held securely in its place after being adjusted to its position.

The invention consists in the combination of a casing between the seats, a partition adapted to rest within said casing, and automatic means for elevating said partition.

In describing the invention in detail reference is had to the accompanying drawings, forming a part of this specification, and wherein like figures of reference indicate similar parts throughout the several views, in which—

Figure 1 is a perspective view of a portion of one section of a sleeping-car, showing the partition adjusted to position at one end of the berth and at the other end the partition lowered to position between the seat-backs. Fig. 2 is a transverse vertical sectional view of a portion of a sleeping-car, showing the partition in the elevated position, said view being taken on the line X X of Fig. 5. Fig. 3 is a similar view showing the partition in the folded position, said view being taken on the line Y Y of Fig. 5. Fig. 4 is a longitudinal sectional view of the partition, showing a similar view of a portion of the seat-backs in order to illustrate the securing mechanism, also showing a portion of the car-wall and a box secured thereto, on which is fastened the track to guide the partition in its upward-and-downward movement. Fig. 5 is a longitudinal sectional view of a portion of

a car, showing the partition in the lowered position. Fig. 6 is a vertical sectional view of a portion of the partition, showing the movement of the hinged portion in dotted lines. Fig. 7 is a perspective view of the track secured on the rear edge of the partition, and Fig. 8 is a perspective view of a portion of the guide which receives the track. Fig. 9 is a transverse sectional view of a portion of the partition, showing the extensible portion of the same arranged within the main portion, instead of hinged, as shown in Fig. 6.

Referring now to the drawings by reference-figures, 1 denotes the casing, which is arranged between the seat-backs and extends upward toward the same. This casing is adapted to receive the partition 2, having a hinged portion 3, said partition 2 having secured on its front edge a binding 4, which extends downward to the base of or below the hinged portion 3, said binding 4 extending through an aperture in the floor and into a tube or casing 5 when the partition is folded and in the lowered position. On the rear edge of the partition 2 the same is provided with a binding 6, having a T-shaped head which engages in the guide 8, attached to the box or casing 9, secured to the car-wall 10.

At its front or edge next the car-aisle the partition is held within the casing by means of hooks 11 11, engaging in slots 11^a in the binding 4, pivoted at 19, and having arms 12, abutting against a button 13, extending through a plate 14, which is fastened to the face of the car-seat adjacent the aisle, the said button being adapted to operate the hooks 11, said hooks being held in engagement in the slots by means of the springs 15, abutting against the same and having one end secured to the backs of the seats. Attached to the upper rear corner of the partition 2 is a cord 16, which passes upwardly in a groove in the inner car-wall and over a pulley 17, suitably supported at or near the car-line, said cord passing downward between the walls of the car and is attached at its lower end to a cone-shaped counterbalance-spring 18, which is suitably arranged and supported at or near the car-floor.

In Fig. 9 we have shown the partition 2 provided along its lower edge with a recess 19,

which is adapted to receive the extensible portion 20 of the partition, the path of travel of which is shown in dotted lines of this view, said extensible portion being provided with
5 a T-head 21 to prevent its dropping out of the recess when the partition is raised.

The operation of our improved partition for sleeping-cars and the like is as follows: We will assume that all the parts have been
10 secured in their respective positions and that the partition is folded between the seat-backs, as shown in Figs. 3 and 5, and it is desired to lift the partition to the position shown in Figs. 1 and 2. The operator presses the but-
15 ton 13 inwardly and forces the arms 12 12 inwardly, thus forcing the engaging ends of the hooks 11 11 out of engagement with the slot 11^a, releasing the partition and permitting the cone balance-spring to withdraw the par-
20 tition from its casing and hoist the same to its position for dividing the berths. As the partition is withdrawn from its casing between the seat-backs the hinged portion 3 will automatically unfold into alinement with
25 the portion 2 as soon as the same has passed out of engagement with the casing, which operation will be readily apparent, and to return the partition to its position the hinged portion 3 is first folded in the position shown
30 in Fig. 6, which will permit the partition to enter its casing and lie entirely below the top of the seat-backs.

In case the construction shown in Fig. 9 is employed it will be readily observed that as
35 the partition is elevated the extension portion 20 will drop downward into the position shown in dotted lines in this view as the said partition is elevated, and when lowering the partition the extensible portion will reënter
40 the recess as it comes in contact with the floor of the car.

It will be noted that various changes may be made in the details of construction without departing from the general spirit of our
45 invention.

Having fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. The combination with a casing arranged between the seats, of a partition adapted to
50 rest within said casing and automatic means for elevating said partition to separate the berths, substantially as shown and described.

2. The combination with a sleeping-car, of a partition formed in sections, adapted to
55 fold within a casing between the backs of the seats, and automatic means for elevating said partition to separate the berths, substantially as shown and described.

3. In a partition for sleeping-cars and the
60 like, the combination of the partition proper, composed of sections, a casing to receive said partition, a counterbalance-spring, connections between the spring and partition, a
65 guide for said partitions, and means for holding the partition within the casing, substantially as shown and described.

4. A partition for sleeping-cars and the like, consisting of sections connected together in
70 a manner to extend to their greatest length when elevated, a casing arranged between the seat-backs to receive said partition, means for holding said partition within the casing, and means whereby the partition is autom-
75 atically elevated and extended when released from its casing, substantially as shown and described.

5. A partition formed in sections connected together in a manner to extend to their great-
80 est length when elevated, and means for automatically elevating said partition.

6. A partition formed in sections connected together in a manner to extend to their great-
85 est length when elevated, a casing for said partition, means for holding said partition within the casing, and means whereby the said partition is elevated when the partition is re-
leased from its casing, substantially as shown and described.

In testimony whereof we affix our signa-
90 tures in presence of two witnesses.

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Witnesses:

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