

(No Model.)

J. A. SLEICHER.
SLEEPING CAR.

No. 315,851.

Patented Apr. 14, 1885.

Fig. 1.

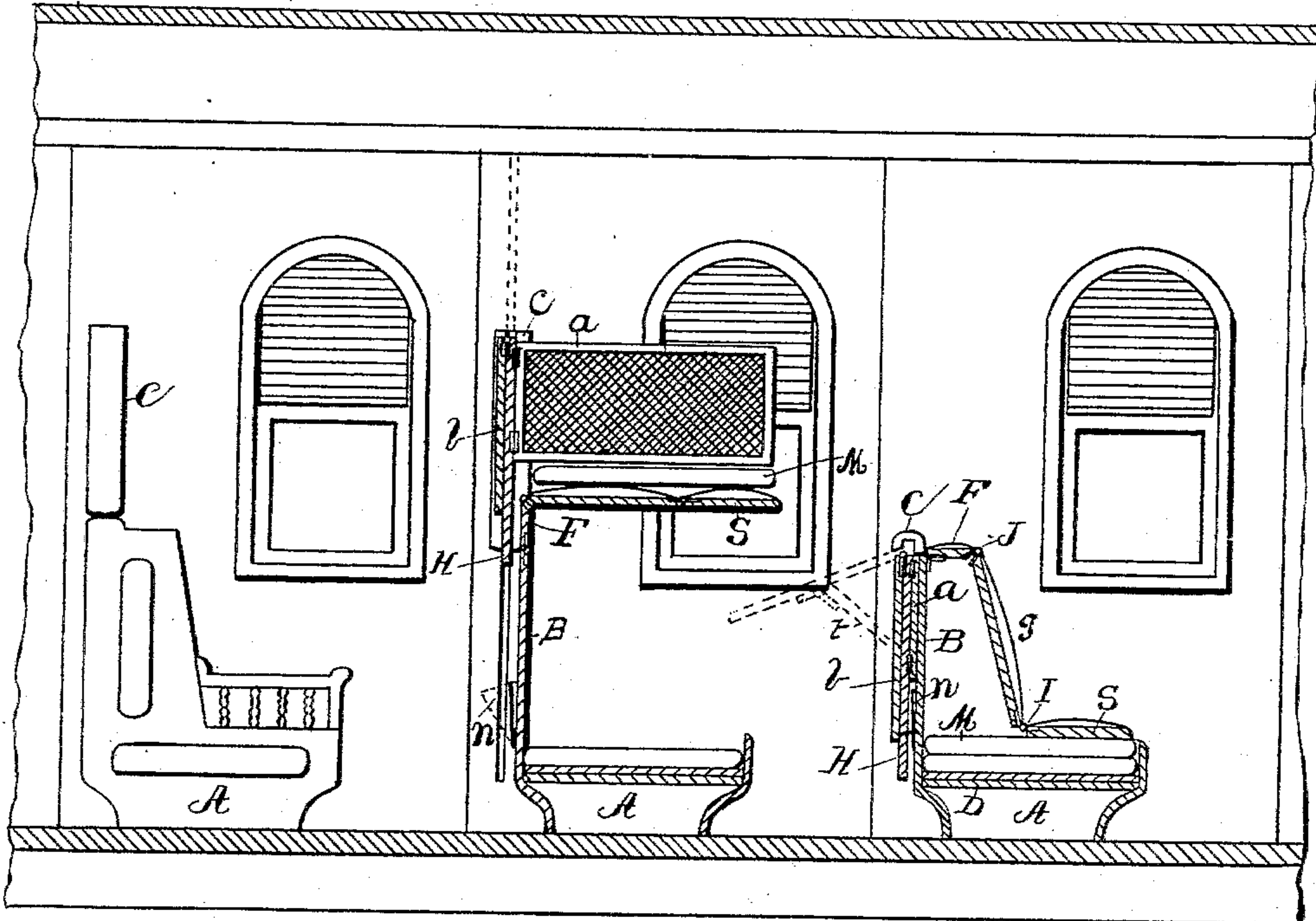


Fig. 2.

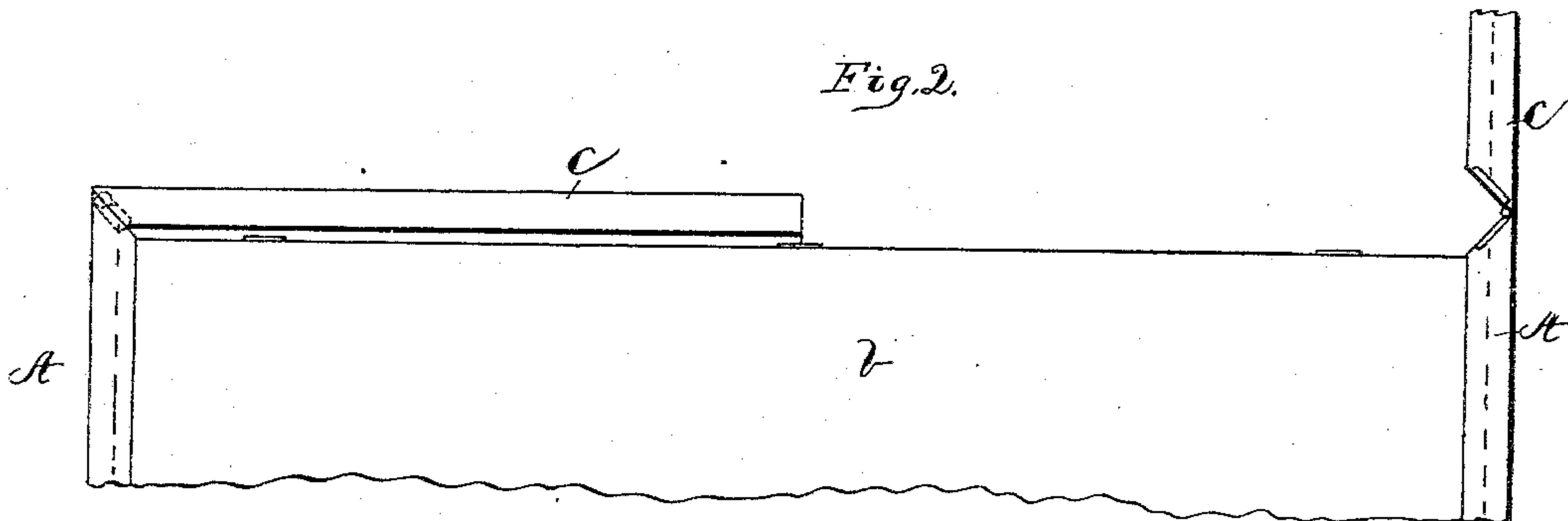
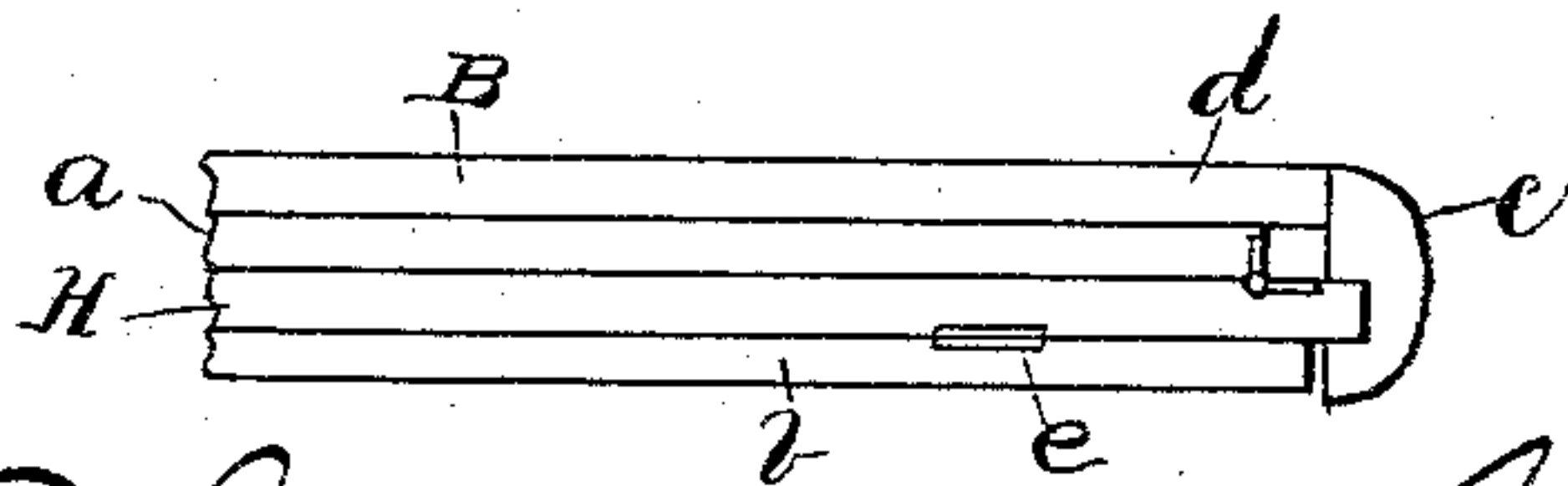


Fig. 3.

Witnesses:



Inventor.

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Atty.

UNITED STATES PATENT OFFICE.

JOHN A. SLEICHER, OF ALBANY, NEW YORK.

SLEEPING-CAR.

SPECIFICATION forming part of Letters Patent No. 315,851, dated April 14, 1885.

Application filed November 11, 1884. (No model.)

To all whom it may concern:

Be it known that I, JOHN A. SLEICHER, a resident of the city of Albany, in the county of Albany and State of New York, have invented certain new and useful Improvements in Sleeping-Cars; and I do hereby declare that the following is a full, clear, and exact description of the invention, that will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

Similar letters refer to similar parts in the several figures therein.

My invention relates to improvements in sleeping-cars, and more particularly to interchangeable seats and berths therein.

The objects of my invention are, first, to provide end screens or panels for the upper berths; second, to provide a hinged shelf or table in front of each seat that may be adjusted at different angles or folded down against the back of the seat next in front; third, to provide a hinged molding that will cover and ornament the backs of seats and their movable attachments when used as a seat, and serve as a guide and support to the sliding partition used with the berths; fourth, to provide a small folding receptacle for clothing upon the backs of seats that will be concealed from sight when the seats are used as seats, but will be conveniently accessible when the seats are used for berths.

My invention consists in improvements upon the form of construction referred to and described in Letters Patent No. 281,410, issued to me by the United States July 17, 1883, and more particularly of folding end screens or panels for the upper berths hinged to the vertically-sliding partitions; second, of an adjustably-hinged shelf or table in front of the individual seats; third, of a combined back cover or ornament and partition guide-support hinged to a seat-back; fourth, of a receptacle for clothing secured to the back of a car-seat and concealed from view by a vertically-sliding panel or partition.

Figure 1 of the drawings is a vertical longitudinal section of a portion of a sleeping-car, showing by vertical cross-section a seat as arranged for a seat and as arranged when used

for berths, and an end elevation of another seat with the hinged molding C raised to a vertical position. Fig. 2 is a rear elevation of the upper portion of a seat-back. Fig. 3 is a top plan view of the right-hand portion of Fig. 2.

A is a seat-frame fixed to extend transversely of a railway-car.

The seat-back B is provided with an offset, F, hinged thereto at its upper end.

The back *g* is hinged to the offset and the seat S to the back. The seat is converted into an upper and lower berth by changing the parts from the position shown in the right-hand portion of Fig. 1 to that shown in the middle portion. The offset is first raised to a vertical position, forming an extension of the seat-back B, the back *g* and seat S being raised to a common horizontal plane extending outward from the upper end of the offset. The sliding partition H is then slid upward until the lower side of the screen is above the seat S and back *g* and mattress *m* or other clothing thereon, at which point the screen or panel or such analogous device as may be used is swung out from the sliding partition H, to one end of which one end of the panel is hinged across the mattress, which forms the upper berth. The screen thus serves to form a protecting wall or partition at one end of the upper berth, and there may be one at each end of the berth, each folding in against the vertically-sliding partition H.

The leaf is hinged to the sliding partitions at their upper edges, and, being adapted to swing out from the partition, is provided with hinged arms *t*, adapted to hold the leaf at a desired angle, as shown by dotted lines in the right-hand section of Fig. 1. The foot of the brace rests upon suitable supports upon the partition H or seat-back, which may be ranged at intervals suitable to adjust the leaf to occupy different angles, thereby affording a convenient shelf or table for the occupants of the seat next in the rear.

Just below the space occupied by screen *a* when folded up in the seat I place a folding bracket or receptacle, *n*, for articles of clothing, and secure the same to the stationary seat-back B, as shown in Fig. 1.

When the car is arranged for berths, the receptacle is made accessible and opens by falling outward from the seat-back to the open

portion shown by dotted lines in central section of Fig. 1.

When the car is arranged for seats, the folding receptacle is folded back against the seat-back and hidden from view by the sliding partition, which slides down in front of it.

The molding *c* is hinged at one end to the stationary seat in such a manner that when in a horizontal position it conceals the upper edges of the leaf, sliding partition, and folding screens, and when swung up to a vertical position it serves as a guide and support for the sliding partition, being provided with a groove, *m*, in which the partition slides. The molding is made in two sections, one being hinged to each end of the seat, folding down so that their swinging ends meet on top of the seat-back.

The sections may be of unequal lengths, the one hinged to the end of a seat farthest removed from the side wall of the car being of sufficient length to reach up to a fixed support at or near the top of the car.

What I claim as new, and desire to secure by Letters Patent, is—

1. In a sleeping-car, vertically-sliding partitions provided with one or more screens or panels hinged thereto to swing horizontally for the purpose of forming inclosed sections for berths, substantially as described.

2. In a sleeping-car, a combined covering for a seat-back and guiding-support for a sliding partition of a berth-section hinged at one end of said seat-back to swing to and from a horizontal to a vertical position, in combination with said partition and seat-back, substantially as and for the purposes set forth.

In testimony whereof I have hereunto set my hand this 23d day of October, 1884.

JOHN A. SLEICHER.

Witnesses:

GEO. A. MOSHER,
I. N. SAMMONS.