

T. GRANT.
CAR BERTH SUPPORTERS.

No. 185,098.

Patented Dec. 5, 1876.

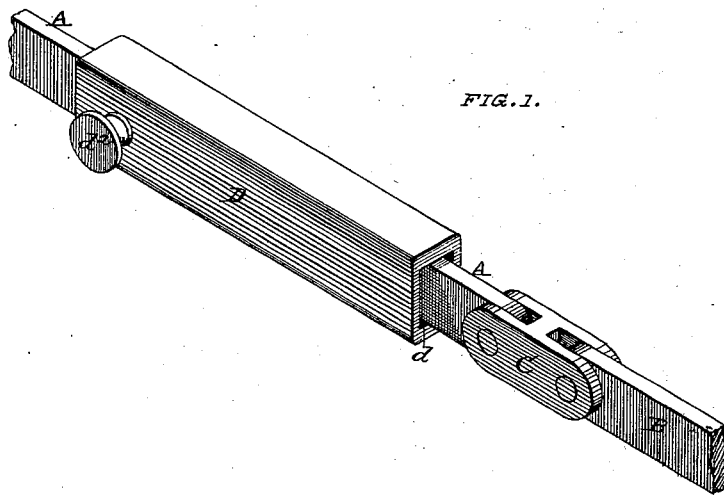


FIG. 1.

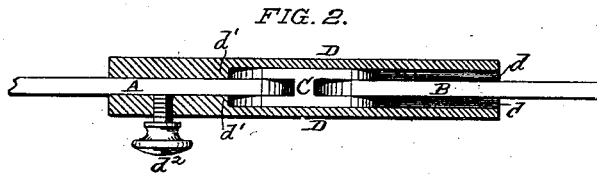


FIG. 2.

ATTEST:

Robert Burns
LeBlond Burdett

INVENTOR:

Thos Grant
per Knight Bros.
attys.

UNITED STATES PATENT OFFICE.

THOMAS GRANT, OF ST. LOUIS, MISSOURI.

IMPROVEMENT IN CAR-BERTH SUPPORTERS.

Specification forming part of Letters Patent No. **185,098**, dated December 5, 1876; application filed October 19, 1876.

To all whom it may concern:

Be it known that I, THOMAS GRANT, of St. Louis, in the county of St. Louis and State of Missouri, have invented certain Improvements in Car-Berth Supporters, of which the following is a full, clear, and exact description, reference being had to the accompanying drawing, and to the letters of reference marked thereon.

My invention relates to certain improvements in the jointed supporting-rods that support the outer ends of the upper berths of sleeping-cars; and this invention consists in a sleeve arranged on said rod, which, when the berth is open or down, will be slipped over the joint in said rod, and secured in place by a set-screw, the purpose being to make the joint rigid when down, so that in case of the turning over of the car the berth will be held open, and thus prevent the passenger from being injured by the closing of the berth and confined therein.

In the drawings, Figure 1 is a perspective view of the central portion of the suspension-rod with my improvement attached. Fig. 2 is a section, showing the suspension-rod made rigid by my improvement.

A is the upper and B the lower member of the suspension-rod of the upper berth of a sleeping-car. These members are connected by the double-hinge links C, as usual. D is a sleeve arranged on the member A. This sleeve has an enlarged recess, *d*, to enable it to be slipped over the hinge-links C, as shown in Fig. 2. *d'* is a shoulder that abuts against the ends of the links to support the sleeve in proper position on the rod, and *d''* is a set-screw to prevent said sleeve from being jarred upward out of position.

I claim as my invention—

1. A car-berth supporter having a sleeve provided with a securing device, as and for the purpose set forth.
2. The sleeve D, having set-screw *d''*, in combination with the hinged suspension-rod A B C, as set forth.
3. The sleeve D, having shoulder *d'*, and set-screw *d''*, in combination with the hinged suspension-rod A B C, as set forth.

THOS. GRANT.

Witnesses:

SAML. KNIGHT,
ROBERT BURNS.