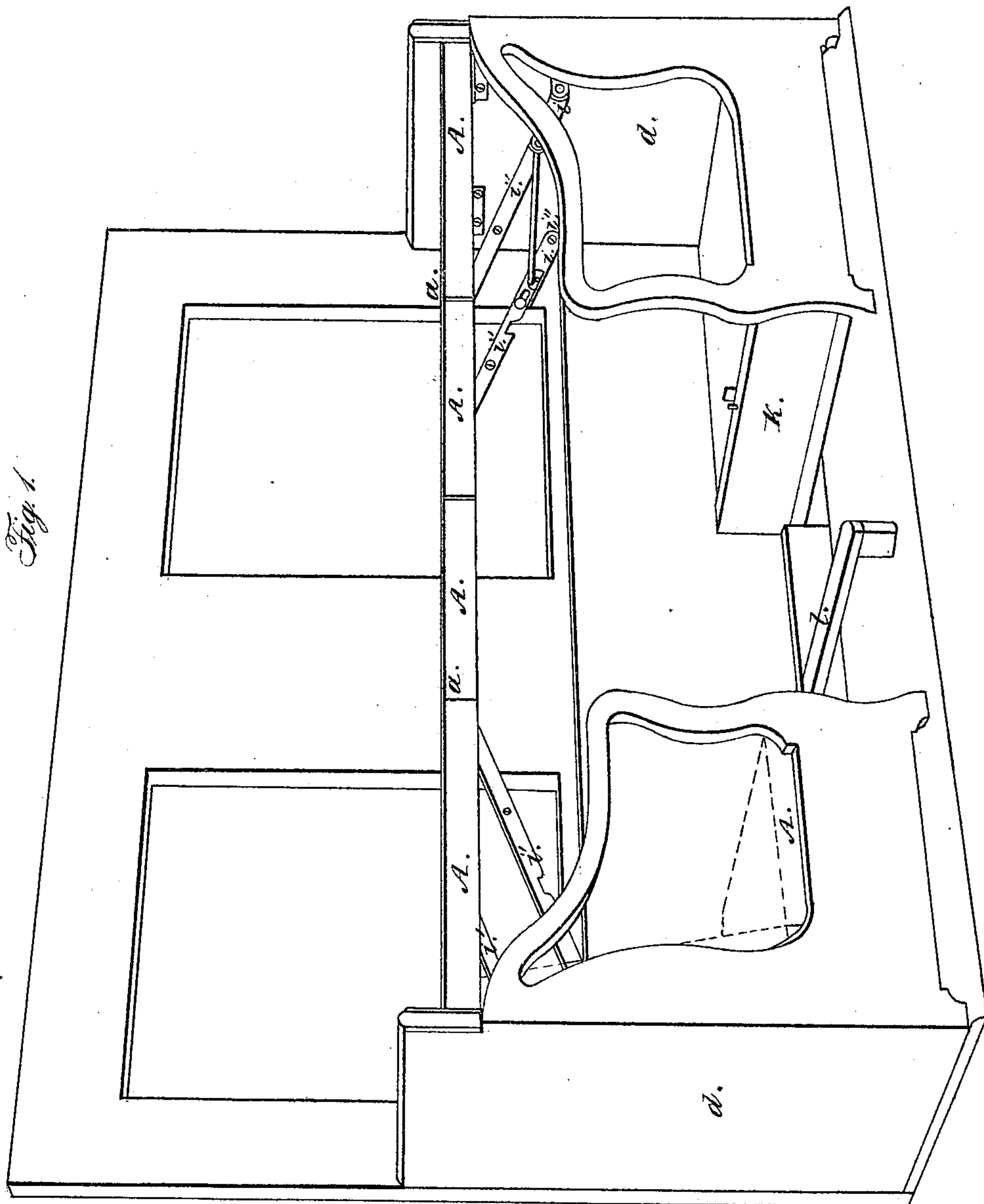


D. L. LONG.
Car Seat and Couch.

No. 25,205.

Patented Aug. 23, 1859.



Witnesses:

S. Botter.
J. M. Clegg.

Inventor:

D. L. Long

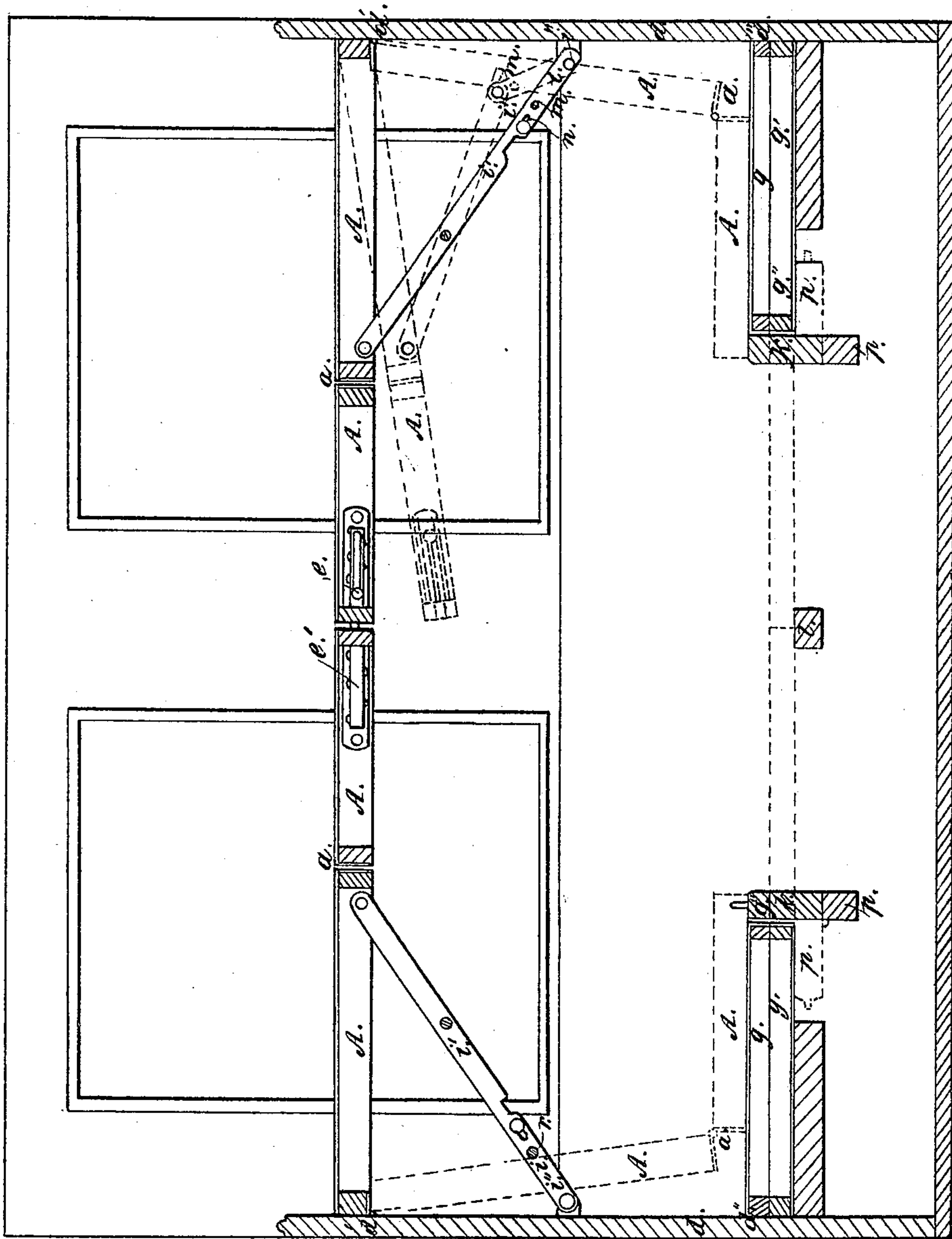
D. L. LONG.
Car Seat and Couch.

2 Sheets—Sheet 2.

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Fig. 2.



Witnesses:

S. Bolton.
J. M. Clegg.

Inventor:

D. L. Long.

UNITED STATES PATENT OFFICE.

D. L. LONG, OF DAYTON, OHIO.

SLEEPING-BERTHS FOR RAILROAD-CARS.

Specification of Letters Patent No. 25,205, dated August 23, 1859.

To all whom it may concern:

Be it known that I, D. L. LONG, of Dayton, in the county of Montgomery and State of Ohio, have invented a new and useful
5 Improvement in Sleeping-Berths for Railroad-Cars; and I hereby declare that the following is a full and clear description thereof, reference being had to the accompanying drawings, made to form a part of
10 this specification.

My invention relates to certain improvements in seats of rail road cars, by means of which I am enabled to arrange two sleeping berths of capacity to accommodate four
15 persons, within the space occupied by two seats of capacity to seat four persons, described specified and represented as follows—

By reference to the accompanying drawings, Figure 1, is a perspective view of my improvement showing the hinged seats, elevated and arranged so as to form an upper
20 berth, at the same time providing space for a lower berth beneath, Fig. 2, is a sectional plan of my improvement, showing the hinged seats in position for day use, the manner of arranging and securing them, for sleeping purposes and also the device for forming the lower berth.

30 (A) is a hinged seat, formed with a working joint at (a) and hinged to the seat frame (d) at (d').

(e) is a bolt for securing the center of the upper berth as represented,

35 (i i') is an automatic supporter formed with pivot joints (i'') near its points of attachment to the seat frame (d) with a lock joint at (i'''), and provided with a connecting rod (r), by means of which the lock
40 joint is made to operate. The parts (i') are made with slots (n) and recesses (m) and are secured to the parts (i) by means of headed bolts, passing through the slots (n) and secured to the part (i), so that the
45 parts (i') traverse sufficiently to allow the recess (m) to grasp the rod (r) and thus perfect the support to the berth, or to release the rod (r) and allow the working of the joints when it may be required to de-
50 press the berth and form seats for day use.

(g, g') is a folding berth, formed with a working joint at (g'') and hinged to the seat frame (d) at (d').

(k) is a screen hinged to the seat bed (p), so that it may be depressed beneath the
51 berth (g, g') when said berth is required for use.

(l) is a rest for the parts (g') of the folding berth when the same is extended for use, as shown by dotted lines in (Fig. 6
2) the position, of the hinged seat (A) shown by dotted lines in (Fig. 2) is changed to that of the berth, simply by elevating the same, the support (i, i') locking itself as
6 the seat (A) is elevated, the bolt (e) may then be forced into its socket (e), and the upper berth will be secured for use—the inner ends of the folding berths (g, g') will
7 then be elevated, the screen (k) depressed and the parts (g') extended, upon the rest (l), the lower berth will then be ready for use.

When not required for use the berths (g, g') will be folded and replaced as before described, the bolt (e) will then be withdrawn, the inner ends of the hinged seats (A) elevated until the recess (m) is free from the rod (r), when a slight pressure upon the under part of the supporter (i i') will operate its joints and allow the seat (A) to descend to its proper place for day use.

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

The arrangement and combination of the jointed supporter (i i' i'' i''' m, n, r,) and hinged seat and back (A with the folding berth (g, g') screen (k) and rest (l) all constructed and operating so as to form two sleeping berths substantially as herein described.

In testimony of which invention I have hereunto set my hand.

D. L. LONG.

Witnesses:

S. BATTIN,
I. M. CLEGG.