

Oct. 5, 1926.

1,601,997

D. COSS ET AL.

BED ATTACHMENT

Filed Oct. 19, 1925

Fig. 1.

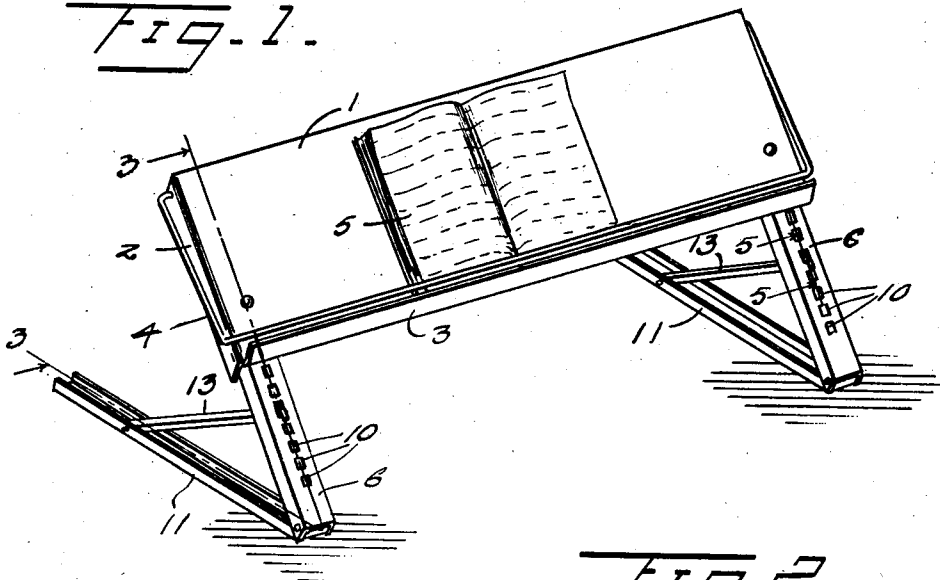


Fig. 2.

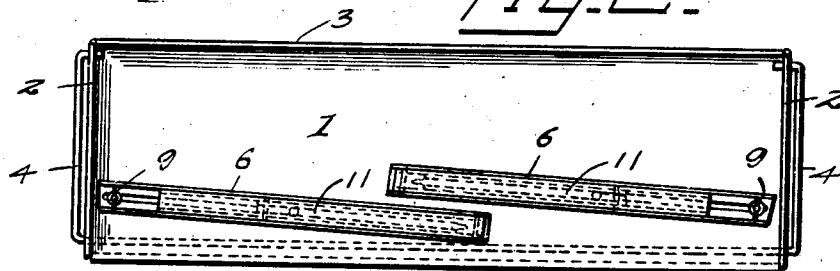


Fig. 3.

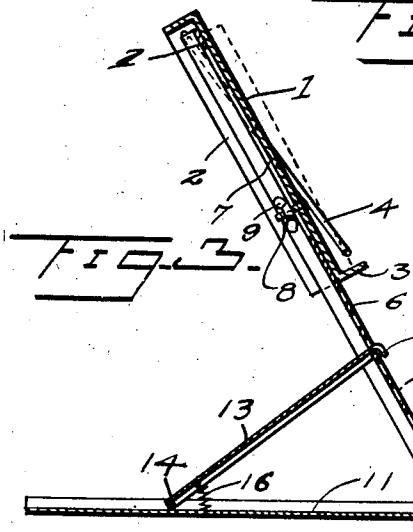


Fig. 4.

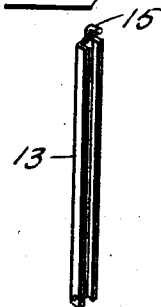


Fig. 5.

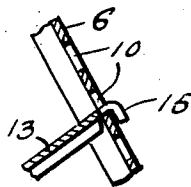
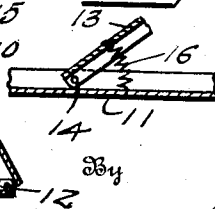


Fig. 6.



Inventor

D. Coss and
H. G. Chambers

John & Jacob

Attorneys

Patented Oct. 5, 1926.

1,601,997

UNITED STATES PATENT OFFICE.

DORRIS COSS AND HENRY G. CHAMBERS, OF COLUMBUS, OHIO.

BED ATTACHMENT.

Application filed October 19, 1925. Serial No. 63,432.

This invention relates to reading desks for beds and it consists in the novel features hereinafter described and claimed.

An object of the invention is to provide a desk structure adapted to rest upon a bed or a couch and having a shelf adapted to bridge the body of a person lying upon the bed or couch and support a book in open position so that the occupant of the bed or couch may readily read the text of the book or comfortably read abed without supporting or holding the book.

With this object in view the structure includes a desk panel or shelf provided at its end and at its lower edge with flanges and having a bail pivotally connected with the end flanges and adapted to lie over the surface of the shelf and extend across the same above the lower flange and hold the book upon the shelf in an open position. Leg members are adjustably connected with the end portions of the shelf and at the rear side thereof and foot members are pivotally connected with the leg members. Prop members are pivotally connected with the foot members and are adapted to engage the leg members whereby the foot members may be held at desired angles with relation to the leg members and the desk structure may be properly supported upon the bed or couch.

In the accompanying drawing:—

Figure 1 is a perspective view of the reading desk.

Figure 2 is an under plan view of the same showing the parts folded.

Figure 3 is a transverse sectional view of the desk structure cut on the line 3—3 of Figure 1.

Figure 4 is a perspective view of one of the prop members detached.

Figure 5 is a fragmentary sectional view showing one of the prop members engaged with one of the leg members.

Figure 6 is a fragmentary sectional view showing one of the prop members pivotally connected with one of the foot members.

The desk structure includes a shelf or panel 1 preferably of metal and which is provided at its ends with flanges 2 and at its longitudinal edges with flanges 3. The flanges 3 at the opposite edges of the shelf are disposed away from the body of the shelf in opposite directions. The shelf 1 may be plain as shown in the drawing or it may be ornamented by cut-out figures form-

ing lattice work and bearing the trade-mark as for instance "Read-A-Bed".

A bail member 4 is pivotally connected at its ends with the upper portions of the end flanges 2 and is adapted to lie over the front surface of the shelf 1 with its intermediate portion extending along the front surface of the shelf and spaced above the lower flange 3. The intermediate portions of the bail 4 are adapted to rest upon the open pages of a book 5 which in turn is supported upon the shelf and hold the leaves of the book in open position as indicated in Figure 1 of the drawing. Leg members 6 are provided at their upper portions with longitudinally disposed slots 7 which receive bolts 8 carried by the shelf 1 and wing nuts 9 are screwed upon the bolts and are adapted to bear against the end surfaces of the leg members 6 and hold the same at adjusted positions with relation to the shelf. The lower portions of the leg members 6 are provided with rectangular openings 10. The leg members 6 consist of lengths of channel iron or metal. Foot members 11 also of channel iron or metal are pivotally connected by means of pins 12 with the leg members 6. The pins 12 pass transversely through the side flanges of the members 6 and 11. Prop members 13 also of channel iron or metal are pivotally connected at one end by means of pins 14 with the flanges of the foot members 11 and the said prop members are provided at their free ends with hooks 15 adapted to engage through the openings 10 and hold the foot members 11 at the desired angles with relation to the leg members 6. Springs 16 are interposed between the intermediate portions of the prop members 13 and the foot members 11 and are under tension with a tendency to normally hold the free ends of the prop members 13 toward the foot members.

When the desk is in use the parts extended as shown in Figure 1 of the drawing, and the foot members 11 are permitted to rest upon the surface of the bed or couch and the shelf 1 will bridge the body of the person lying upon the bed or couch and hold the book in proper position so that it may be easily read and without requiring the reader to support the book. When the device is not in use the wing nuts 9 are loosened, the hooks 15 are disengaged from the openings 10 and the prop members are

swung down into the foot members 11 and the foot members are swung toward the leg members 6. The leg members are then turned to the position as shown in Figure 2 and the wing nuts are tightened whereby the leg members and foot members are held in folded position against the rear side of the shelf 1.

Having described the invention what is claimed is:—

A reading desk comprising a shelf member provided with end flanges and longitudinally disposed edge flanges, one of the edge flanges being disposed beyond the upper side surface of the shelf member, a bail pivotally connected with the end flanges, leg members having slot and bolt connection

with the shelf member at points between the end flanges and between the longitudinally disposed flanges, said leg members being provided with openings, foot members pivotally connected with the leg members, prop members pivotally connected with the foot members and having hooks adapted to engage in the openings of the leg members and springs connected with the foot members and the prop members and being under tension with a tendency to normally draw the free ends of the prop members towards the foot members.

In testimony whereof we affix our signatures.

DORRIS COSS.
HENRY G. CHAMBERS.