

W. B. BONNIFIELD.
BED SUPPORTED TABLE.
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1,308,034.

Patented July 1, 1919.

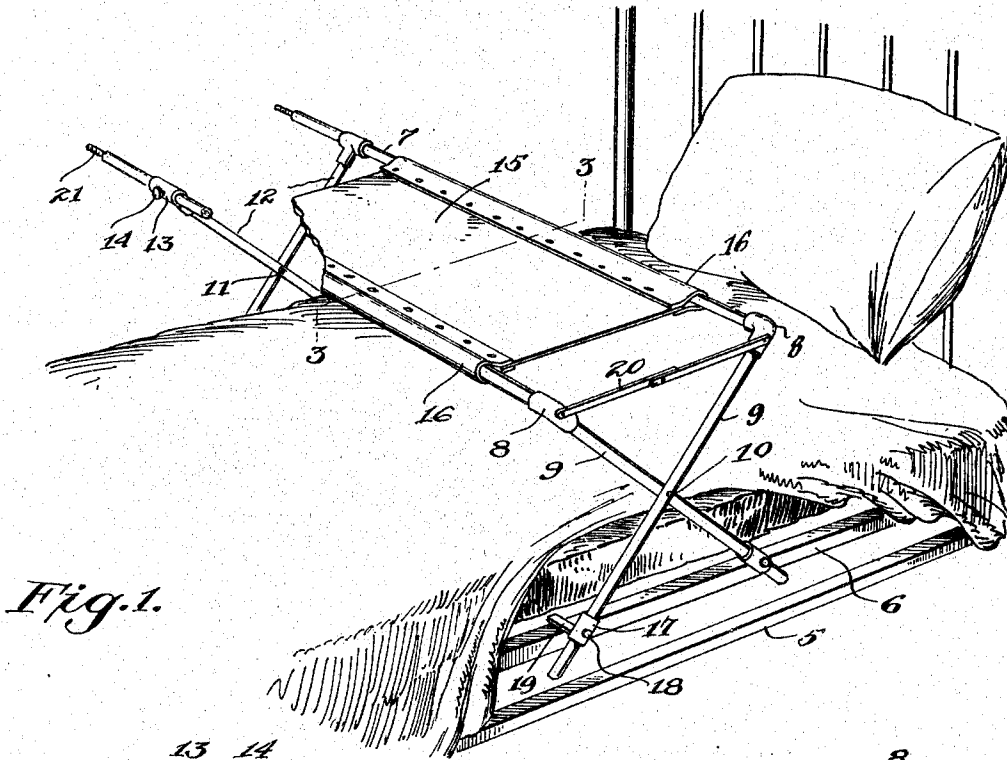


Fig. 1.

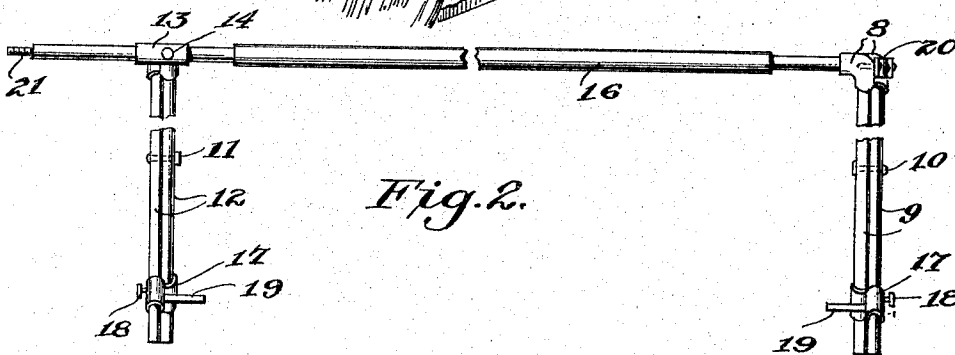


Fig. 2.



Fig. 3.

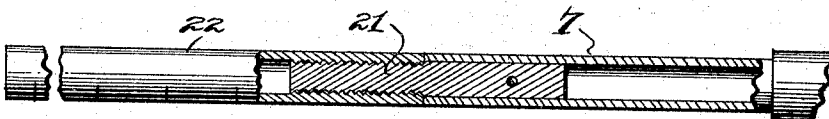


Fig. 4.

Witnesses

James Carter
Frank H. H. H. H.

Inventor

W. B. Bonnipfield

By *Charles H. H. H.*

Attorneys

UNITED STATES PATENT OFFICE.

WEST B. BONNIFIELD, OF OTTUMWA, IOWA.

BED-SUPPORTED TABLE.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, WEST B. BONNIFIELD, a citizen of the United States, residing at Ottumwa, in the county of Wapello, State of Iowa, have invented certain new and useful Improvements in Bed-Supported Tables; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The present invention relates to new and useful improvements in tables, particularly of that type adapted to be detachably connected with and supported by a bed for the convenience of a person confined therein.

It is in general the object of the present invention to simplify the structure and improve the efficiency of devices of this character, it being in the latter connection a more specific object to provide a table having a wide range of adjustability, whereby it may be adapted for beds of various widths and may be supported thereon at various heights and inclinations.

A further object resides in the provision of a table which may be supported on a bed frame in a firm manner without the necessity of providing clamping connections with the frame, whereby the table may be set in place or removed in a most ready manner.

With the above and other objects and advantages in view, the invention resides more particularly in the novel combination, formation and arrangement of parts hereinafter described and particularly pointed out in the appended claim.

In the accompanying drawings:

Figure 1 is a perspective view of the improved table positioned on the bed.

Fig. 2 is a side elevational view thereof.

Fig. 3 is a transverse sectional view through the table on the line 3—3 of Fig. 1.

Fig. 4 is a longitudinal sectional view through one end portion of the table, showing the means for adjusting the length thereof.

Referring now more particularly to the accompanying drawings, 5 designates the side rails of a bed frame, over which is positioned side rails 6 of the bed spring frame, the improved table being supported by the rails 6, although they may as well be supported by the rails 5 in the absence of such rails 6.

The improved table includes a pair of

parallel top rails 7, preferably formed of tubular metal, and having elbow connections 8 threaded on adjacent ends thereof to provide securing means for a pair of crossed legs 9, preferably formed of similar material to afford a desired lightness and strength. A pivot bolt 10 is passed through the legs at their meeting points, and this pivot bolt is in axial alinement with a second pivot bolt 11 passed through the meeting points of a second pair of cross legs 12 having their upper ends threaded in the shanks of T-couplings 13 slidable on the other end of the top rails 7, and normally held against such sliding movement by set screws 14 threaded therein and engaging the rails 7. The table top comprises preferably a web 15 of canvas or other fabric, having its side edge portions bolted between the edges of longitudinally bent sleeve plates 16 slidably fitting on the table top rails 7, whereby to permit ready removal of the table top web when desired, although it is obvious that the web may be directly bolted or otherwise secured to the side rails 7. It is thus observed that the table may be readily collapsed to occupy a minimum amount of space when not in use, by swinging its pairs of leg portions together, in the general manner of an ordinary camp stool.

For supporting the table on the bed rails 6, a collar 17 is adjustably secured on the lower portion of each of the legs 9 and 12, by means of set screws 18 threaded in said collar and bearing against the leg, and each of these collars carries an inwardly extending seating foot 19 adapted to rest on a bed rail.

In the application of the table to a bed, the pairs of legs are so relatively adjusted on the table rails 7 that they are spaced apart a distance substantially equal to the distance between the bed rails 6, whereby upon seating engagement of the feet 19 on said rails 6, the lower extremities of the table legs hold the table against lateral movement on the bed.

While the feet 19 may be secured to the table legs in a permanently rigid manner, the sliding adjustment permitted by the collars 17 and set screws 18 permits an adjustment of the height of the table top with respect to the bed. It is further noted that by adjusting the collars at one side of the bed, the table top may be supported in an inclined manner, to facilitate the use of

the device for reading or other purposes, it being understood that a horizontal positioning of the table top is intended more particularly for use in taking meals.

5 To hold the table against accidental collapse due to pressure exerted at an intermediate portion of the web, a pair of pivotally connected links 20 are provided, having their outer ends pivoted preferably to the elbow connections 8 at one end of the bed, these links being of conventional nature for this purpose and preferably provided with suitable means (not shown) for holding them in expanded relation.

15 Slidable adjustment of the leg carrying couplings 13 adapts the table for use with beds of different widths, and to provide for the application of the device to a bed of unusually great width, connecting bars 20 21 are fitted in the ends of the table rails 7 adjacent the couplings 13 and are engageable in the ends of tubular rail extensions 22, whereby said extensions may be secured for engagement thereon of the couplings 13, preferably by threaded connection with the bars 21 as shown.

25 An exceeding simple and readily manipulated bed supported table has thus been provided, which is adaptable for various sizes of beds and for various conditions of

use, it being observed that when the device is once adjusted for a bed, further adjusting operation for successively setting it in place or removing it is unnecessary, since it has a simple though firm seating engagement 35 with the bed and may be readily manipulated to move its feet 19 past the mattress portion of the bed.

What is claimed is:

A bed supported table comprising a pair 40 of top rails, a table top carried thereby, a pair of pivotally connected cross legs having their upper ends connected with adjacent ends of the top rails, coupling members adjustably slidable on the opposite end portions of the top rails, a second pair of pivotally connected cross legs having their upper ends secured to the coupling members, detachable extension sections for the ends of the top rails adjacent the coupling members and seating feet carried by and extending inwardly from the legs adjacent their lower ends.

In testimony whereof, I affix my signature, in the presence of two witnesses. 55

WEST B. BONNIFIELD.

Witnesses:

E. L. KILBY,

WM. B. BONNIFIELD.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."