C. R. KLOK.

TABLE BED.

APPLICATION FILED OCT. 31, 1913.

1,279,123.

Patented Sept. 17, 1918.

2 SHEETS—SHEET 1.

Fig. 1.

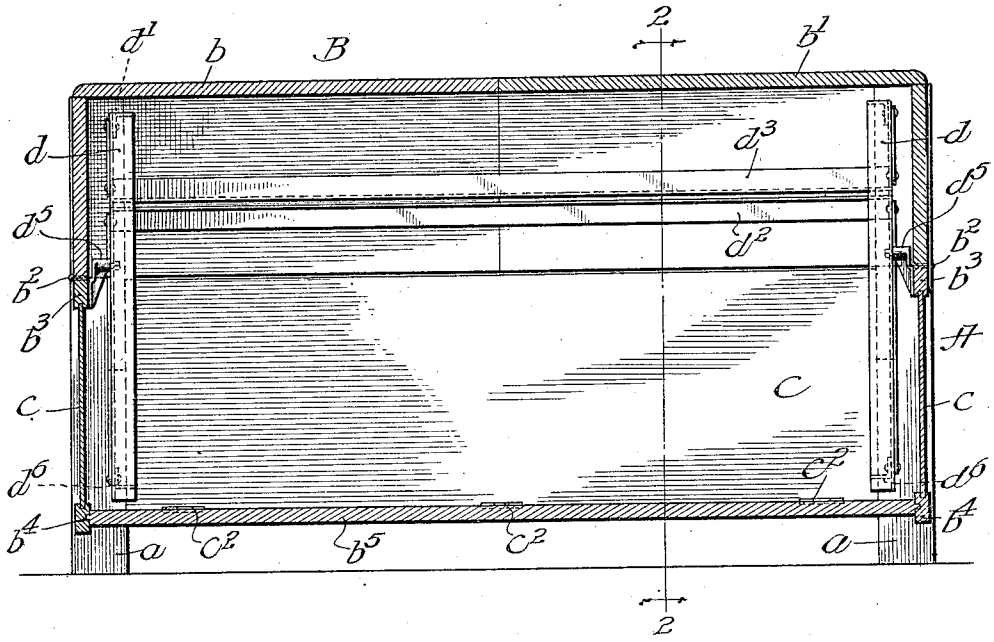
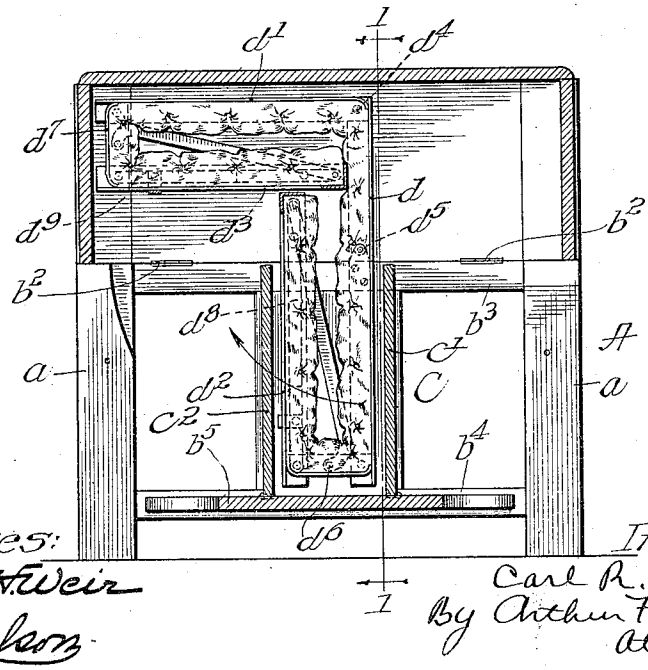


Fig. 2.



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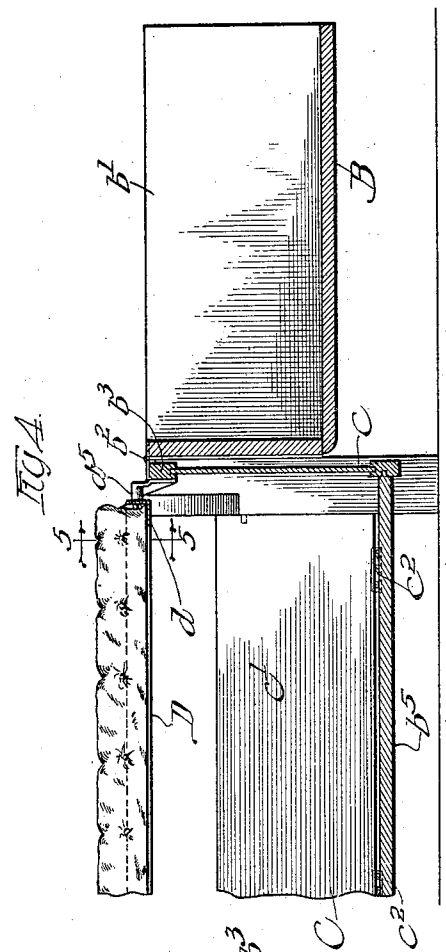


Fig. 4.

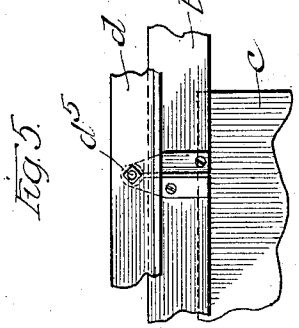


Fig. 5.

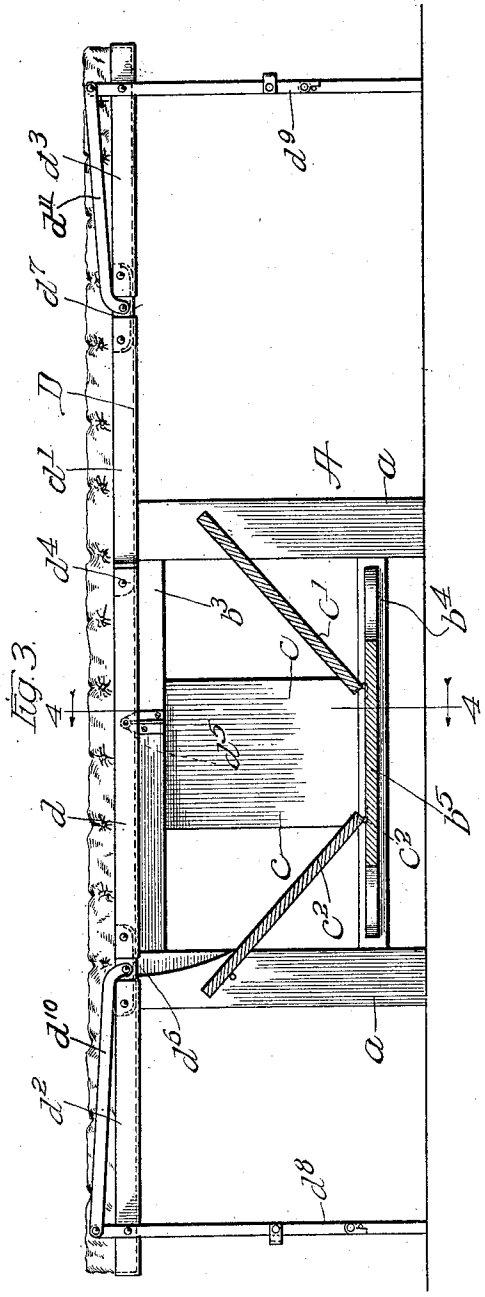


Fig. 3.

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UNITED STATES PATENT OFFICE.

CARL R. KLOK, OF CHICAGO, ILLINOIS, ASSIGNOR, BY MESNE ASSIGNMENTS, TO UNITED TABLE-BED COMPANY, A CORPORATION OF VIRGINIA.

TABLE-BED.

1,279,123. Specification of Letters Patent. **Patented Sept. 17, 1918.**

Application filed October 31, 1913. Serial No. 798,537.

To all whom it may concern:

Be it known that I, CARL R. KLOK, a citizen of the United States of America, and resident of Chicago, Cook county, Illinois, have invented a certain new and useful Improvement in Table-Beds, of which the following is a specification.

My invention relates to table beds of that kind in which a folding bed frame is concealed within the body of the table, below the top thereof, and is adapted to be unfolded therefrom, the table being suitable for use as an ordinary library or writing table, and the bed being of the proper height, etc., when unfolded, whereby the two things, the table and bed, are satisfactorily combined in one unitary structure.

Generally stated, the object of my invention is to provide a novel and efficient table bed of the foregoing general character.

A special object is to provide a novel construction and arrangement whereby the folding bed frame, together with the mattress and bedding, are disposed partly within the pedestal of the table, and partly within the top thereof, thus utilizing the said pedestal for concealing the bed, and providing a bed frame which is easily folded and unfolded, as will hereinafter more fully appear.

It is also an object to provide a novel table top construction, involving two hinged sections, the construction being such that nothing projects above the mattress when the bed is unfolded, and the arrangement being such that the top does not increase the length of the bed.

Another object is to provide certain details and features of construction tending to increase the general efficiency of a table bed of this particular character.

To these and other useful ends my invention consists in matters hereinafter set forth and claimed.

In the accompanying drawings:

Figure 1 is a horizontal section of a table bed involving the principles of my invention, showing the same closed and in condition for use as a table, being a section on line 1—1 in Fig. 2.

Fig. 2 is a transverse section on line 2—2 in Fig. 1.

Fig. 3 is a section similar to Fig. 2, but showing the bed unfolded.

Fig. 4 is a fragmentary section on line 4—4 in Fig. 3.

Fig. 5 is an enlarged detail section on line 5—5 in Fig. 4.

As thus illustrated, my invention comprises a table body A having legs a at the corners thereof. The top B is rectangular and box-like in form, and is composed of two halves or sections b and b^1 hinged to the body at b^2, whereby the top of the table divides and opens in the manner shown in Fig. 4. It will be seen that these sections b and b^1, when open, are disposed at the ends of the table, and do not increase the length of the bed, when the latter is unfolded. Upper and lower bars b^3 and b^4 connect together the legs a at each end of the table, and the lower bars are in turn connected together by a foot board b^5, whereby a rigid frame is provided. The pedestal C of the table is formed by the ends c and sides c^1 which latter are spaced apart and hinged at c^2, at their lower edges.

The bed comprises a frame D composed of angle iron sections d and d^1 at the middle, and sections d^2 and d^3 at the opposite ends. The sections d and d^1 are hinged together at d^4, and the section d is pivotally mounted at d^5, on the body frame, whereby the entire bed is adapted to rotate about a horizontal axis, extending longitudinally of the table, but transversely of the bed. Sections d and d^2 are united by links d^6, and similar links d^7 connect the sections d^1 and d^3 together at the other end of the bed. All of the joints are of such character, between the said bed frame sections and links, that the bed frame is foldable upward at the ends thereof, but will not fold downward—that is to say, the frame is made to fold in one direction only, and will hold itself in a straightened position. To prevent the frame from tilting about its axis, while the bed is in use, and to relieve the frame of strain, folding legs d^8 and d^9 are pivoted on the sections d^2 and d^3, and adapted to rest on the floor. The upper ends of these legs, above their pivots, are connected by links d^{10} and d^{11} with the links d^6 and d^7, whereby said legs fold and unfold automatically, when the bed is folded and unfolded. When the structure is to be used as a table, the end sections d^2 and d^3 are folded over upon the sections d and d^1, then the section

d^1 is raised to a right angle to section d, with section d^3 engaging the end of section d^2; and then the entire bed is rotated about the pivots d^5 and into the position shown in Fig. 2. In this condition the bed is partly concealed within the pedestal, and partly within the table top. The sides c^1 of the pedestal swing down and out of the way to permit folding and unfolding of the bed. Any suitable means can be employed for locking the sides c^1 in vertical position to close the pedestal and conceal the bed, as shown in Fig. 2. When the bed is thus folded, the upper horizontal section d^3 rests on the upper end of the lower vertical section d^2, in the manner illustrated. Thus the table is of the right height for writing or other similar purposes, and has the requisite knee clearance below. Also the bed is of the proper height, etc., and meets the standard requirements in every respect.

A metal bed fabric (not shown) is stretched on the folding bed frame to support the mattress and bedding. Said fabric may be of any suitable known or approved character.

From the foregoing it will be seen that the invention is designed to solve some of the various problems involved in the successful combination of a bed with a table, in one unitary piece of furniture, so that the bed can be entirely concealed when the structure is to be used as a table, and whereby the table body constitutes a part of the bed structure. A part of the bed frame, when folded, occupies the central portion of the table body, which gives a sort of pedestal effect, but this does not interfere with the use of the structure as a table. There are no upstanding portions around the edge of the bed frame, when the structure is in use as a bed, as shown in Fig. 3, and either end of the bed frame can be used as the head or as the foot thereof. The invention, of course, is not limited to the exact construction shown and described.

What I claim as my invention is:—

1. A table bed comprising a body provided with a pedestal, a top for said body, forming therewith a table having clearance below, and a folding bed frame concealed within said table, constructed to unfold therefrom, having pivotally connected sections, a plurality of said sections being disposed vertically within said pedestal, and the other sections being disposed horizontally within said top, when the bed is folded within the table.

2. A table bed comprising a body provided with a pedestal, a top for said body, forming therewith a table having clearance below, and a folding bed frame concealed within said table, constructed to unfold therefrom, having pivotally connected sections, a plurality of said sections being disposed vertically within said pedestal, and other sections being disposed horizontally within said top, when the bed is folded within the table, the horizontal sections extending from the center of the table to one side thereof, and folding legs for said frame.

3. A table bed comprising a body structure, and a folding bed frame concealed within said structure, constructed to unfold therefrom, having pivotally connected sections, a plurality of said sections being disposed vertically, when the bed is folded, and other sections being horizontal, the horizontal sections extending from the center of the table to one side thereof, and folding legs for said frame.

4. A table bed comprising a body provided with a pedestal, a top for said body, forming therewith a table having clearance below, and a folding bed frame concealed within said table, constructed to unfold therefrom, having pivotally connected sections, a plurality of said sections being disposed vertically within said pedestal, and other sections being disposed horizontally within said top, when the bed is folded within the table, said frame having short connecting links for said sections, serving to provide space in the frame for the mattress and bedding when the bed is folded, some of said links being in the pedestal and the other links being in the top when the bed is folded.

5. A table bed comprising a body structure having means forming a pedestal, and a folding bed frame concealed within said structure, constructed to unfold therefrom, having pivotally connected sections, a plurality of said sections being disposed vertically, when the bed is folded, and the other sections being horizontal, said frame having short connecting links for said sections, serving to provide space in the frame for the mattress and bedding when the bed is folded, some of said links being in the pedestal and the other links being in the top when the bed is folded.

6. A table bed comprising a body provided with a pedestal, a top for said body, forming therewith a table having clearance below, and a folding bed frame concealed within said table, constructed to unfold therefrom, having pivotally connected sections, a plurality of said sections being disposed vertically within said pedestal, and the other sections being disposed horizontally within said top, when the bed is folded within the table, the two middle sections of the frame being hinged directly together, and links for connecting the outer sections to said middle sections, to provide space for the mattress and bedding when the frame is folded, and one of said middle sections being mounted to turn on a fixed axis extend-

ing horizontally and transversely of the frame.

7. A table bed comprising a body structure, and a folding bed frame concealed within said structure, constructed to unfold therefrom, having pivotally connected sections, a plurality of said sections being disposed vertically, when the bed is folded, and the other sections being horizontal, the two middle sections of the frame being hinged directly together, and links for connecting the outer sections to said middle sections, to provide space for the mattress and bedding when the frame is folded, and one of said middle sections being mounted to turn on a fixed axis extending horizontally and transversely of the frame.

8. A table bed comprising a body provided with a pedestal, a top for said body, forming therewith a table having clearance below, and a folding bed frame concealed within said table, constructed to unfold therefrom, having pivotally connected sections, a plurality of said sections being disposed vertically within said pedestal, and the other sections being disposed horizontally within said top, when the bed is folded within the table, the said horizontal sections being joined at their outer ends, the vertical sections being joined at their lower ends, and the lower horizontal section resting on the upper end of one of the vertical sections.

9. A table bed comprising a body structure, and a folded bed frame concealed within said structure, constructed to unfold therefrom, having pivotally connected sections, a plurality of said sections being disposed vertically, when the bed is folded, and the other sections being horizontal, the said horizontal sections being joined at their lower ends, and the lower horizontal section resting on the upper end of one of the vertical sections.

10. A table bed comprising a body provided with a pedestal, a top for said body, forming therewith a table having clearance below, and a folding bed frame concealed within said table, constructed to unfold therefrom, having pivotally connected sections, a plurality of said sections being disposed vertically within said pedestal, and the other sections being disposed horizontally within said top, when the bed is folded within the table, said frame being mounted to rotate into position for unfolding.

11. A table bed comprising a body provided with a pedestal, a top for said body, and a folding bed frame concealed within said table, constructed to unfold therefrom, having pivotally connected sections, certain of said sections being disposed within said pedestal, and other of the sections being disposed within said top when the bed is folded within the table, said top being movable to permit unfolding of the bed.

Signed by me at Chicago, Illinois, this 18th day of October, 1913.

CARL R. KLOK.

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