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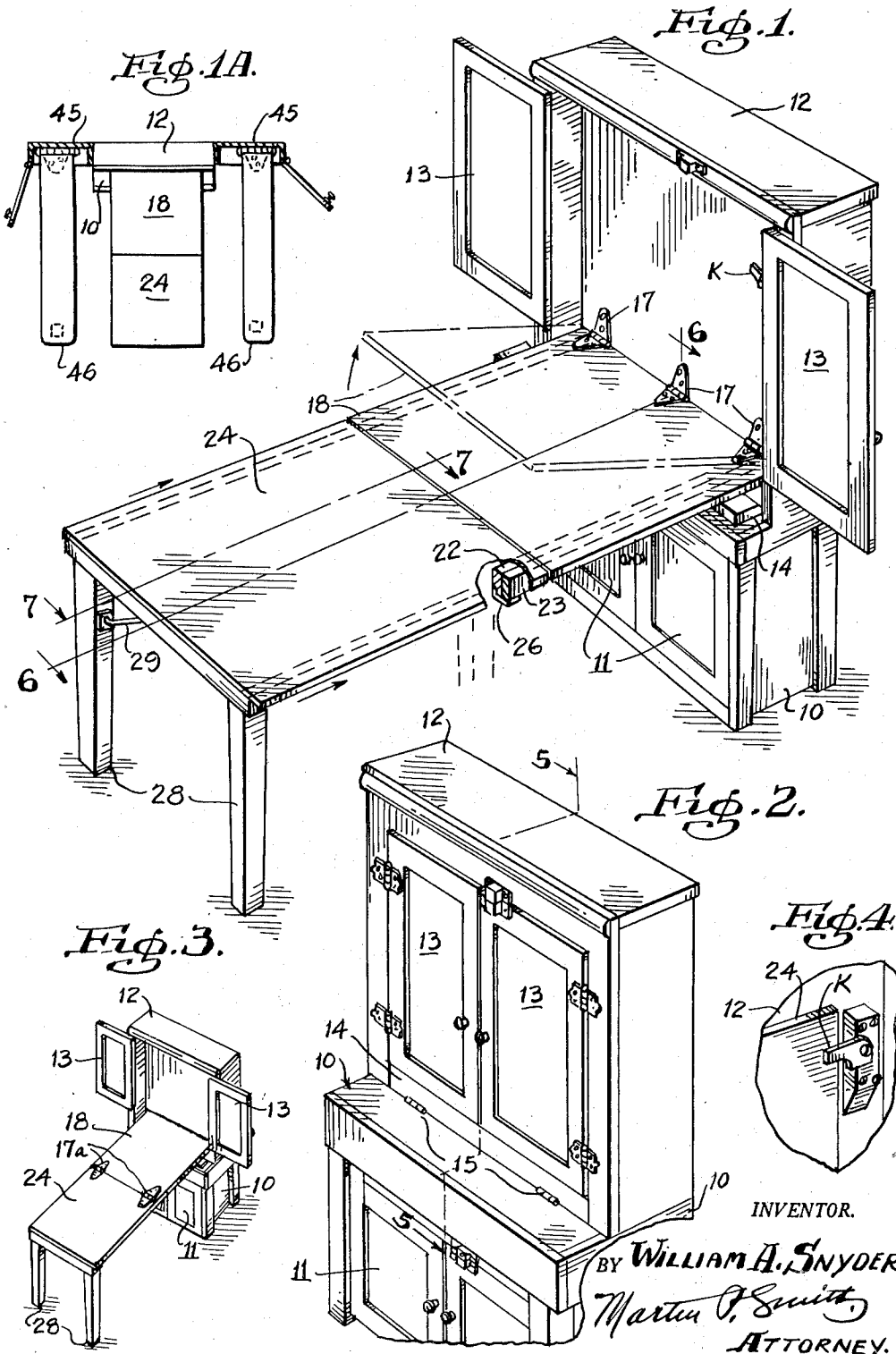
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2,566,256

TWO SECTION FOLDING CABINET TABLE TOP

Filed May 23, 1949

2 Sheets-Sheet 1



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2 Sheets-Sheet 2

Fig. 5.

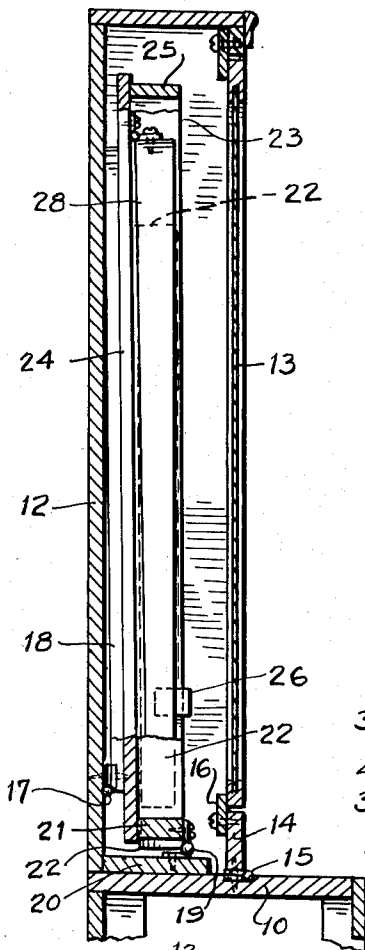


Fig. 10.

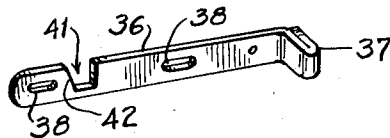


Fig. 9.

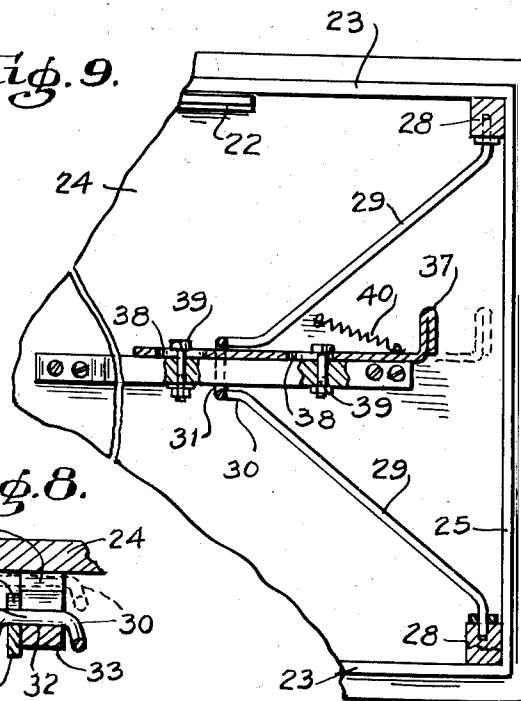


Fig. 8.

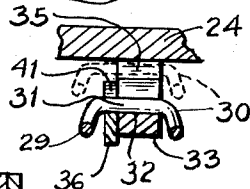


Fig. 6.

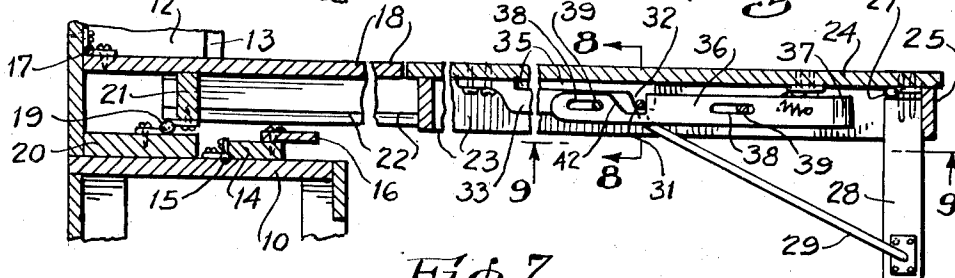
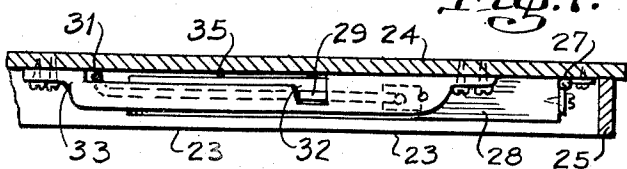


Fig. 7.



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TWO SECTION FOLDING CABINET
TABLE TOPWilliam A. Snyder, Los Angeles, Calif., assignor of
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7 Claims. (Cl. 311—16.5)

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My invention relates to folding cabinet tables and has for its principal objects, to provide an article of furniture which conveniently combines a cabinet and folding table, the latter, while not in use, occupying a position wholly within said cabinet and constructed so as to be readily unfolded and shifted into position for use directly in front of the cabinet; and further, to provide the folding table with legs and simple, effective means for shifting said legs into and out of service and to latch same against accidental release or collapse while in table supporting position.

With the foregoing and other objects in view, my invention consists in certain novel features of construction and arrangement of parts which will be hereinafter more fully described and claimed and illustrated in the accompanying drawings, in which:

Fig. 1 is a perspective view showing the cabinet open and the table unfolded and positioned for use,

Fig. 1A is a plan view of a modified form of the cabinet and table,

Fig. 2 is a perspective view of the cabinet in closed position with parts broken away,

Fig. 3 is a perspective view of the cabinet in open position and showing a modified form of the folding table,

Fig. 4 is a perspective view of the latch for holding the table when folded into the cabinet,

Fig. 5 is a vertical section taken on the line 5—5 of Fig. 2.

Fig. 6 is a vertical section taken approximately on the line 6—6 of Fig. 1,

Fig. 7 is a section taken approximately on the line 7—7 of Fig. 1 and showing the table legs, leg braces and actuating means in their folded out-of-service positions,

Fig. 8 is an enlarged section taken on the line 8—8 of Fig. 6,

Fig. 9 is a horizontal section taken on the line 9—9 of Fig. 6 and looking against the under face of the outer member of the table top,

Fig. 10 is a perspective view of one of the members of the table leg actuating and latching means.

Referring by numerals to the accompanying drawings which illustrate a preferred embodiment of my invention, 10 designates a substantially rectangular housing having hinged front doors 11, thus forming the base member of the cabinet and also providing a storage space of considerable area.

Surmounting base 10, is a shallow rectangular

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housing 12, having hinged front doors 13, thus providing an upper cabinet member which houses the folding table when same is out of service.

A narrow panel 14 is connected by hinges 15 to the top of base 10 below doors 13 and projecting up from the top of this panel is a strip 16 which provides a stop to limit the closing movement of said doors. When the table is unfolded for use, this panel is swung outward onto the top of base 10 as seen in Fig. 6.

Connected by hinges 17 to the lower portion of the inner face of the rear wall of housing 12 is a substantially rectangular panel 18 which forms the rear or inner member of the table top.

Connected by hinges 19 to a transverse panel 20, on top of the rear portion of base 10, is a rail 21, to the ends of which are secured the rear ends of spaced parallel rails 22 which serve as guides and supports for sliding rails 23 secured to the under face of the sliding outer member 24 of the table top. A rail 25 secured to the under face of table top member 24 between the ends of rails 23, combine with the latter in forming an apron on the sides and front of said top member 24.

Metal clips or keepers 26 secured to the under faces of rails 23, extend beneath rails 22, thus maintaining the top member 24 in sliding engagement with hinged rails 22 (see Fig. 1). Connected by hinges 27 to the under side of top member 24, in the corners formed by apron rails 23 and 25, are legs 28 and pivoted thereto a short distance below said hinges, are the ends of a substantially V-shaped leg bracing member 29.

The apex of member 29 is curved upward as designated by 30 and includes a short transverse member 31 which passes through a notch 32, formed in a short rail 33 that is secured to the under face of the sliding top 24 and leading from said notch 32 toward the rear end of said rail, is a slot 35, into which member 31 passes when the legs 28 are folded against the underside of top member 24. Arranged for sliding movement on the side of rail 33 is a latch plate 36, provided with a lateral handle 37 at its rear or outer end and formed in said plate are short longitudinally disposed slots 38, through which pass pins or bolts 39, seated in said rail. A retractile spring 40 connects plate 36 with rail 33 and normally holds said plate at the limit of its movement toward the outer end of top member 24.

Formed in the top of plate 36 is a notch 41 which normally registers with notch 32 in rail 33. The rear edge of this notch is inclined to form a wedge cam 42 which, when plate 36 is drawn toward the front end of table top 24, bears on

transverse member 31 of brace 29, to force same out of notch 32, and enabling it to enter and traverse slot 35, which action takes place when the legs 28 are folded against the under face of top member 24.

When the table is open for use, the straight shoulder at the end of notch 32 opposite cam 42, under tension of spring 49 grips member 31 against the shoulder at the rear end of notch 32, thus in effect, latching the legs against collapse while in upright table supporting position.

When the table is folded into housing 12, it occupies the position as shown in Fig. 5, with member 18, vertically disposed between member 24 and rear wall of housing 12 and with legs 28 positioned against said member 24. The entire folded assembly is maintained in its compact folded position by a keeper K pivoted on the right hand side wall of housing 12, and which extends over the adjacent edge of table top member 24 (see Fig. 4).

To position the table top for use, cabinet doors 13 are opened, panel 14 is swung outward into horizontal position on top of base housing 10, latch K is released and table top member 24 and parts carried thereby together with hinged frame comprising rails 23 and 25, are now swung outward and downward into horizontal position as seen in Fig. 6.

During this movement the frame comprising rails 21 and 22 swings with the outer table top member 24 and after the parts are in horizontal position, said member 24 and its frame, rails 23 and 24 are drawn outwardly on rails 22, hinged at their rear ends to panel 20.

Legs 28 are now swung downward and outward, thereby drawing brace 29 outward and in so doing, transverse member 31 will slide outward through slot 35 and finally drop into notches 32 and 41, to be gripped therein by latch plate 33, the latter being manually manipulated lengthwise to enable member 31 to drop into said notches.

Thus the legs 28 are latched while in vertical table top supporting position.

To complete the table top, member 18 is now swung outward and downward so as to rest on frame members 21 and 22 in horizontal alignment with outer top member 24 (see Fig. 6).

A reversal of the operations just described restores the table top members and associated parts to their out-of-service positions within upper cabinet member 12 as seen in Fig. 5.

If desired, the rear or inner table top member 13, instead of being hinged to the rear wall of cabinet member 12, may be connected by hinges 17a to the rear edge of the outer top member 24 as seen in Fig. 3.

In Fig. 1A, I have shown upright housings 45, located to the sides of upper and lower housings 16 and 12, said upright housings containing hinged or pivoted panels 46 adapted to be swung outward and downward into positions to the sides of the table top members 18 and 24, thus providing, in effect, bench seats for persons using the table.

These panels may also be used as ironing boards.

Thus, it will be seen that I have provided a folding cabinet table of simple, compact, structure, capable of being readily folded and unfolded, which occupies very little floor space when folded and closed, and is very effective in performing the functions for which it is intended.

Minor changes in the size, form and construction of the various parts of my improved folding cabinet table may be made and substituted for those herein shown and described without departing from the spirit of my invention, the scope of which is set forth in the appended claims.

I claim as my invention:

1. In a folding cabinet table, a cabinet, a frame hinged at its rear end within said cabinet, an outer table top member mounted to slide on said hinged frame and a one piece inner table top member having its rear end hinged within said cabinet above the hinged rear end of said frame and foldable into position to the rear of said table top member when same is swung into said cabinet.

2. The folding cabinet table as set forth in claim 1, with legs hinged beneath the outer end portion of said outer table top member.

3. The folding cabinet table as set forth in claim 1, with legs hinged beneath the outer end portion of said outer table top member and a brace between said legs and said outer table top member.

4. The folding cabinet table as set forth in claim 1, with legs hinged beneath the outer end portion of said outer table top member, a brace between said legs and said outer table top member and brace latching means on the under side of said outer table top member.

5. In a folding table, a cabinet, a frame hinged at its rear end within said cabinet, an outer table top member mounted to slide on said hinged frame when the latter is withdrawing from the cabinet and a one piece inner table top member foldable into said cabinet and adapted to swing downward so as to occupy a horizontal position between said cabinet and the rear end of said outer table top member when same is withdrawn from the cabinet.

6. The folding cabinet table as set forth in claim 5, with folding legs for said outer table top member.

7. The folding cabinet table as set forth in claim 5 with folding legs for said outer table top member and means for latching said legs in table top supporting position.

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The following references are of record in the file of this patent:

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