

No. 606,834

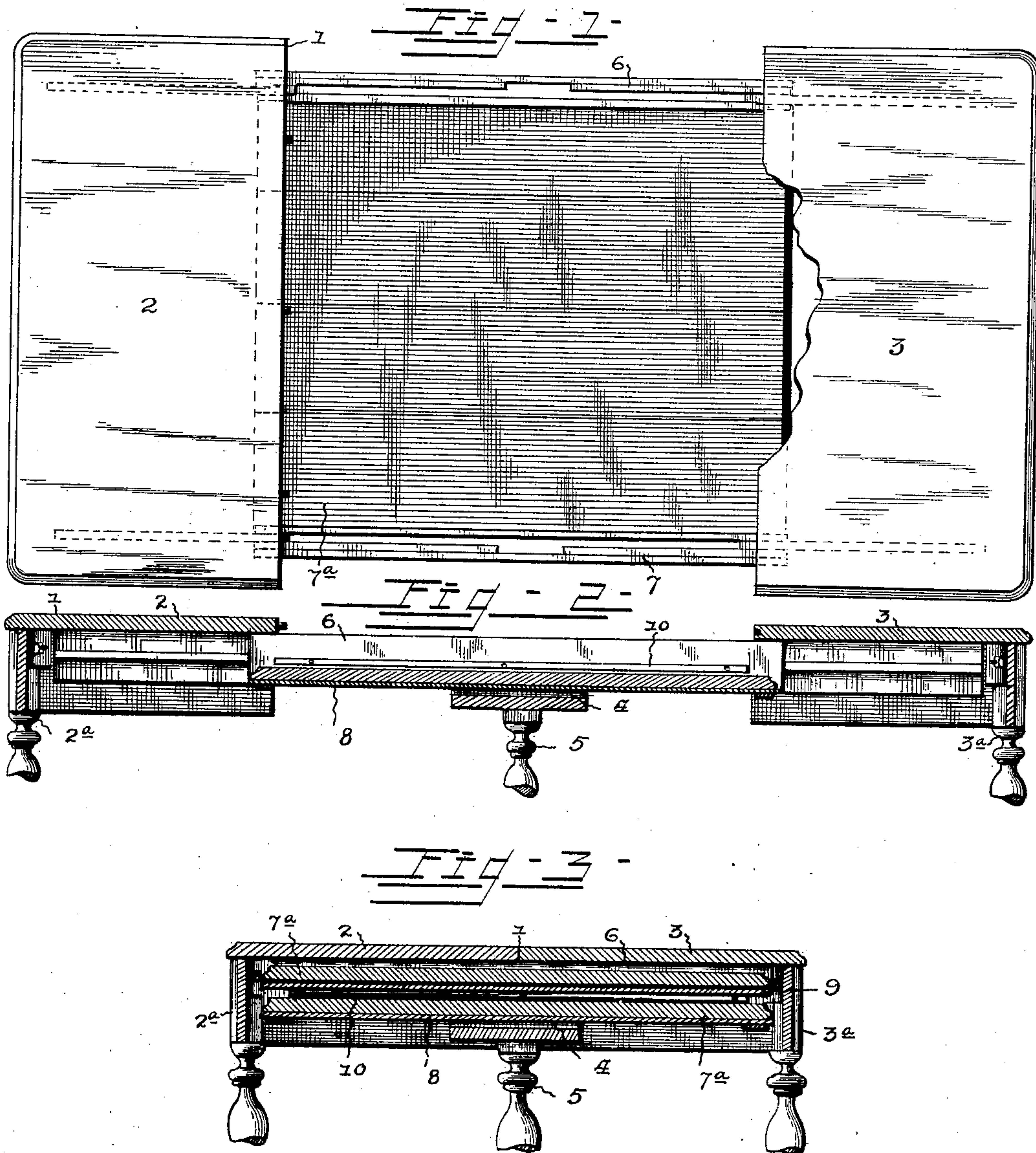
Patented July 5, 1898.

C. A. CURL.  
EXTENSION TABLE.

(Application filed Apr. 9, 1898.)

(No Model.)

2 Sheets—Sheet 1.



Witnesses:  
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*H. J. Bunker*

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*C. A. Snow & Co.*

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2 Sheets—Sheet 2.

Fig-4

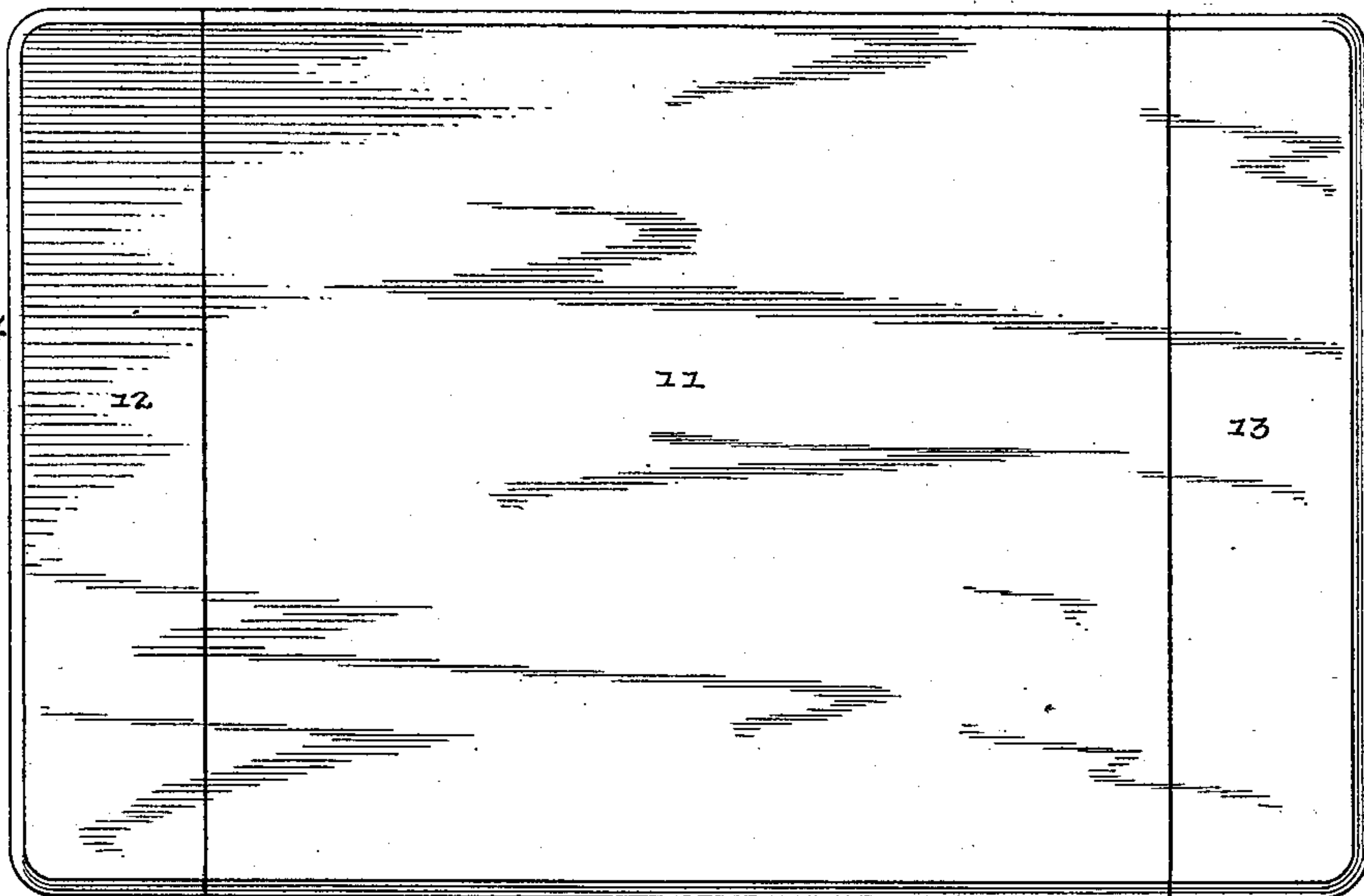


Fig-5

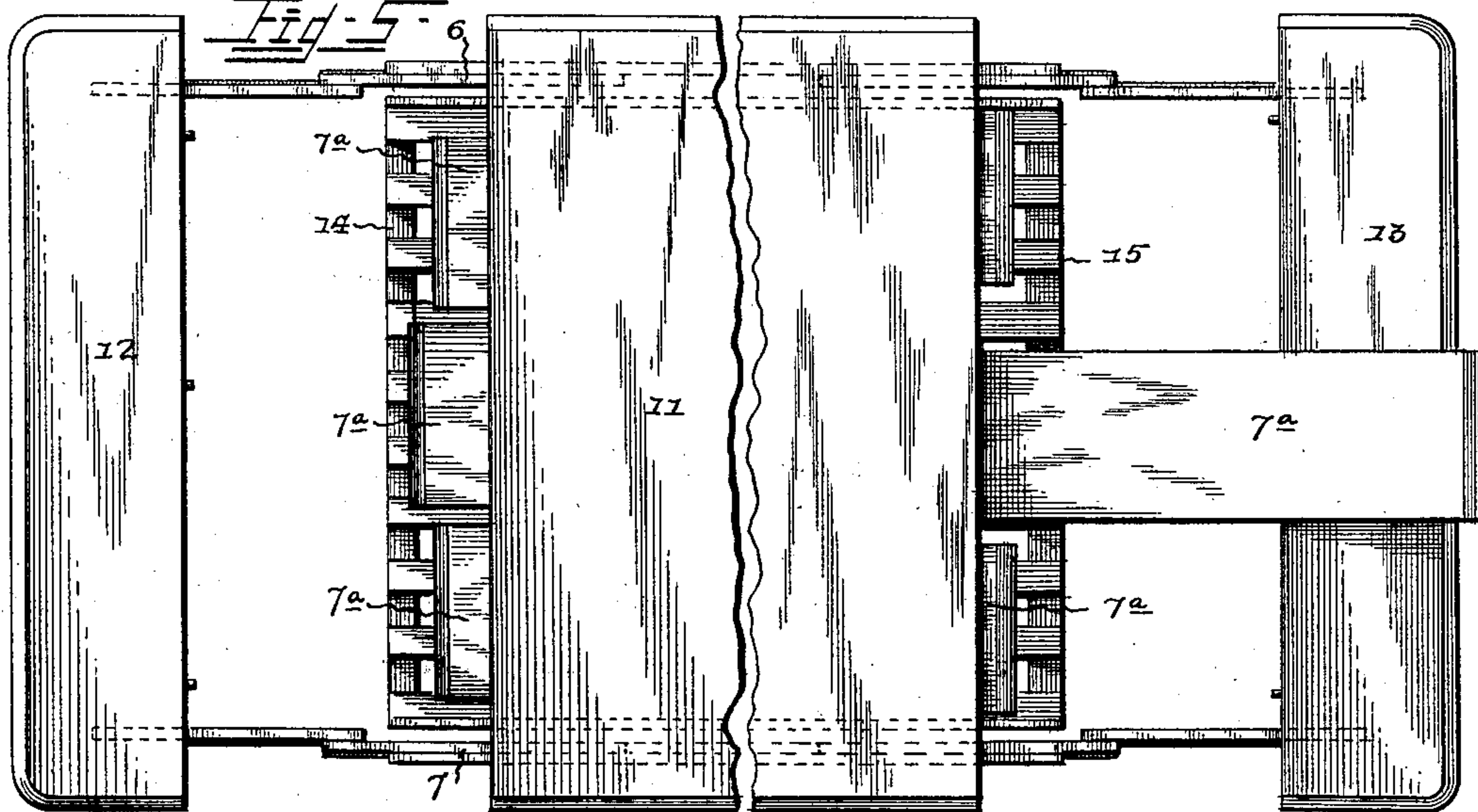
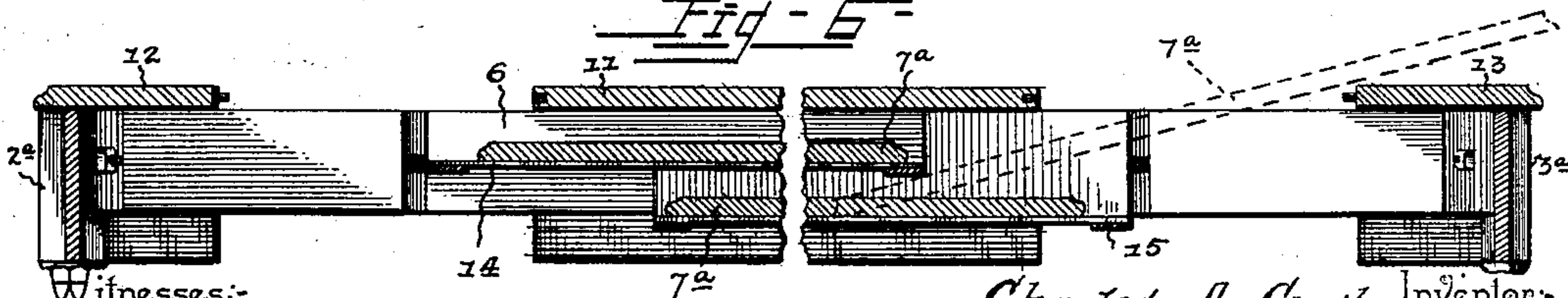


Fig-6



Witnesses:-

*C. Young*  
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By *his* Attorneys,

*Charles A. Curl*, Inventor.

*C. A. Snow & Co.*



# UNITED STATES PATENT OFFICE.

CHARLES A. CURL, OF BEAVER FALLS, PENNSYLVANIA, ASSIGNOR OF  
ONE-THIRD TO J. D. McANLIS, OF SAME PLACE.

## EXTENSION-TABLE.

SPECIFICATION forming part of Letters Patent No. 606,834, dated July 5, 1898.

Application filed April 9, 1898. Serial No. 677,011. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES A. CURL, a citizen of the United States, residing at Beaver Falls, in the county of Beaver and State of Pennsylvania, have invented a new and useful Extension-Table, of which the following is a specification.

My invention relates to improvements in extension-tables; and the object that I have in view is to provide means for safely storing the detachable leaves of the table-top when they are not in use and the table is collapsed or folded to its compact position.

In extension-tables it is desirable to store the detachable leaves on the table-frame, so that they may be always at hand for adjustment in the table and to obviate the necessity for making a separate package or bundle of the leaves in shipment or transportation. Prior to my invention it has been proposed to attain this end by making the table-frame serve as a support for the leaves, which are stacked one upon the other or are fitted separately in grooves between the slides, which form in part the table-frame. Such devices render it necessary to withdraw the leaves from the ends of the table-frame through openings therein, which openings are closed by slides; but such construction is objectionable for many reasons. I aim to overcome the objections to such prior devices and provide a support of large capacity on which the several leaves are independently placed for removal of either leaf without hindrance from the other leaves. The interior dimensions of the ordinary size of table-frame are not sufficient for a single support to accommodate all of the leaves, usually four in number, by a single device, and hence I resort to the use of two supports or shelves arranged in different horizontal planes for the ease of placement or removal of the leaves thereon. The shelves or crates for the leaves extend across from one side of the frame to the other, and they are arranged to permit access to be obtained thereto through the top of the table when in its extended position, thus overcoming the necessity for perforating the ends of the table-frame.

My invention therefore consists in the novel

construction and arrangement of parts, which will be hereinafter fully described and claimed.

To enable others to understand the invention, I have illustrated the preferred embodiment thereof in the accompanying drawings, forming a part of this specification, and in which—

Figure 1 is a plan view of one construction of the table, showing the top extended or opened to expose the upper shelf. Fig. 2 is a vertical sectional view with the table in its extended position and the upper shelf removed to expose the lower shelf and the table-leaves resting thereon. Fig. 3 is a vertical section with the table-frame and its top closed, illustrating the leaves on the two shelves. Fig. 4 is a plan view of another embodiment of the invention, showing the top in its closed position. Fig. 5 is a plan view with the frame and top extended, illustrating the operation of removing leaves from the lower shelf. Fig. 6 is a vertical section through the table in the position shown by Fig. 5, the dotted lines representing the operation of inserting or removing a leaf on the lower shelf or support.

Like numerals of reference denote like and corresponding parts in each of the several figures of the drawings.

In the embodiment of the invention represented by Figs. 1 to 3, inclusive, the table-top 1 is divided centrally into two sections 2 and 3 of equal area. As is usual in the art, the table is constructed with a central frame 4, which is equipped with a leg or legs 5, and to this central frame is fitted the slides 6 and 7, which support the respective sections 2 and 3 of the table-top. Each slide 6 or 7 is of the doubled or two-part construction familiar to those skilled in the art, the two members of each slide being slidably fitted together to slide one upon the other, and one member is slidably fitted to the table-frame, and with the extensible slides 6 and 7 for the sections of the table-top are associated the legs 2<sup>a</sup> and 3<sup>a</sup>, respectively. The detachable leaves 7<sup>a</sup> of the table are adapted to be placed on the slides 6 and 7 and arranged in the horizontal plane of the sections forming the table-top; but when the table-top is contracted or folded



to its most compact position these leaves 7<sup>a</sup> are removed. As heretofore explained, it is desirable in the art to have the leaves 7<sup>a</sup> arranged compactly within the table-frame for promoting the convenience of the operator in extending or contracting the table and for compact storage of the several parts preparatory to transporting or shipping the table.

My invention provides a structure which meets the requirements in a simple, cheap, and desirable way, and to attain the object of the invention I employ two shelves 8 and 9, which are arranged in different horizontal planes within the table-frame 4 and extend from side to side thereof. These shelves are of sufficient area to accommodate the entire series of detachable leaves which is supplied with the table, and the leaves may be placed on said shelves in a manner to secure the independent removal of the leaves, each leaf being readily accessible through the top of the table when the latter is extended for removal from its shelf without disturbing the position of the other leaves. The lower shelf 8 is designed to be secured permanently to the opposing sides of the table-frame 4, and this attachment of the lower shelf may be effected by screws, cleats, or other suitable fasteners. The upper shelf 9, however, in a table which has its top divided centrally, is supported removably in place above the lower shelf 8, and in the preferred embodiment of the invention I employ cleats 10, which are fixed to the opposite sides of the table-frame 4 in a horizontal plane above the lower shelf 8. These shelves 8 and 9 in the two-part table-top frame are arranged in the same vertical plane, and to permit access to be obtained to the lower shelf 8 without involving perforation of the ends of the table-frame I support the upper shelf 9 removably in place on the cleats 10. It is evident that the opening of the table-top by drawing the slides 6 7 and the top sections 2 3 outwardly will expose the upper shelf 9 to view through the table-top, thus permitting the leaves thereon to be removed, and, if desired, the upper shelf 9 may itself be lifted out of the table-frame and away from the cleats 10 thereon. The removal of the upper shelf 9 exposes to view the lower shelf 8 and its leaves, and the latter may in like manner be lifted out of the table-frame, the shelf 8 remaining attached to the frame, so as to form a permanent fixture of the table. The leaves when removed may be placed in the table so as to rest upon the frame and slides thereof and lie in the horizontal plane of the top sections 2 and 3; but to reduce the area of the table the leaves are removed therefrom. The upper shelf 9 having been removed from its supporting-cleats 10 in the frame, a certain number of the leaves may be placed on the lower shelf 8, after which the shelf 9 is replaced in the frame to rest upon the cleats. The remaining leaves are placed on the said upper shelf 9 and the table is closed to bring

the sections 2 3 of the top together, thereby entirely concealing the leaves and the shelves from view.

In the embodiment of the invention represented by Figs. 4 to 6, inclusive, the table-top is in three sections, which are indicated by the numerals 11, 12, and 13. Of these sections the one designated as 11 is fixed permanently to the table-frame 4, while the sections 12 and 13 are attached to the double slides 6 and 7, to be carried therewith in their endwise adjustments for enlarging or contracting the area of the table-top. My improvement is susceptible of use advantageously in connection with tables having the tops thereof made in three sections, and in the embodiment represented by Figs. 4 to 6, inclusive, the shelves 14 and 15 are arranged within the table-frame 4 in different horizontal planes. The shelves 14 and 15 in this embodiment of the invention are attached in fixed positions to the table-frame, so as to form permanent fixtures thereon; but to enable access to be obtained to the lower shelf as well as the upper shelf they are arranged to have one end of the upper shelf projected beyond the corresponding end of the lower shelf, thus arranging each shelf in position for the opposite ends thereof to terminate in different vertical planes from the corresponding ends of the other shelf. The upper shelf 14 is attached to the table-frame 4, to have its left-hand edge projected beyond the corresponding edge of the permanent section 11 of the table-top, while its right-hand edge lies a considerable distance within the corresponding edge of said permanent table-top section 11. The lower shelf 15 is attached to the table-frame in a position for its right-hand edge to extend beyond the corresponding edge of the permanent table-top section 11; but this left-hand edge is within the corresponding edges of the top section 11 and the upper shelf 14. Each shelf is thus made of a length less than that of the permanent top section 11, and the opposite ends of the shelves are exposed to view when the slides and top sections 12 13 are drawn outwardly.

The slides and the top sections having been extended their full limits the leaves on the upper shelf 14 are exposed at one edge of the table-section 11, so that they may be lifted slightly and drawn out endwise from the left-hand part of the table, as shown by Figs. 5 and 6, and in like manner the leaves on the lower shelf 15 are exposed at the right-hand end of the table, thus permitting said leaves on the shelf 15 to be raised slightly to inclined positions and in like manner drawn out from the table, also as shown by dotted lines in Figs. 5 and 6.

The shelves may be of any suitable construction—that is to say, they may consist of thin pieces of wood reinforced by suitable strips or of the slatted or grate-like construction shown by the drawings.

I am aware that changes in the form and



proportion of parts and in the details of construction may be made by a skilled mechanic without departing from the spirit or sacrificing the advantages of my invention, and I therefore reserve the right to make such modifications as clearly fall within the scope of the invention.

Having thus described the invention, what I claim is—

10 1. In an extension-table, the central frame-section, the permanent horizontal shelf extending across said central frame-section, the shelf-supports secured to the sides of the central frame-section on a horizontal plane  
15 above the permanent shelf, and a horizontal removable shelf fitted within the central frame-section to rest upon the shelf-supports and sustained in an elevated position thereby parallel to the permanent shelf, combined  
20 with extension frame members slidably fitted to the central frame-section for adjustment without hindrance from the shelves, and a series of leaves adapted to be individually stored on the permanent and removable  
25 shelves, substantially as described.

2. In an extension-table, the central frame-section carrying a permanent top section, a

horizontal permanent shelf secured within said frame-section to extend across from side to side thereof and having one edge exposed 30 beyond the plane of the permanent top section, the shelf-supports secured to the sides of the central frame-section and on a horizontal plane above the permanent shelf, and another horizontal shelf resting on the shelf- 35 supports within the frame-section in parallel relation to the permanent shelf and having one edge of said shelf extended beyond the other edge of the permanent top section, combined with extension frame-sections slid- 40 ably fitted to the central frame member for adjustment in relation thereto without hindrance from the shelves, and removable leaves adapted to be stored individually on the upper and lower shelves, substantially as de- 45 scribed.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

CHARLES A. CURL.

Witnesses:

JOS. C. ROUZER,  
S. W. ROUZER.