

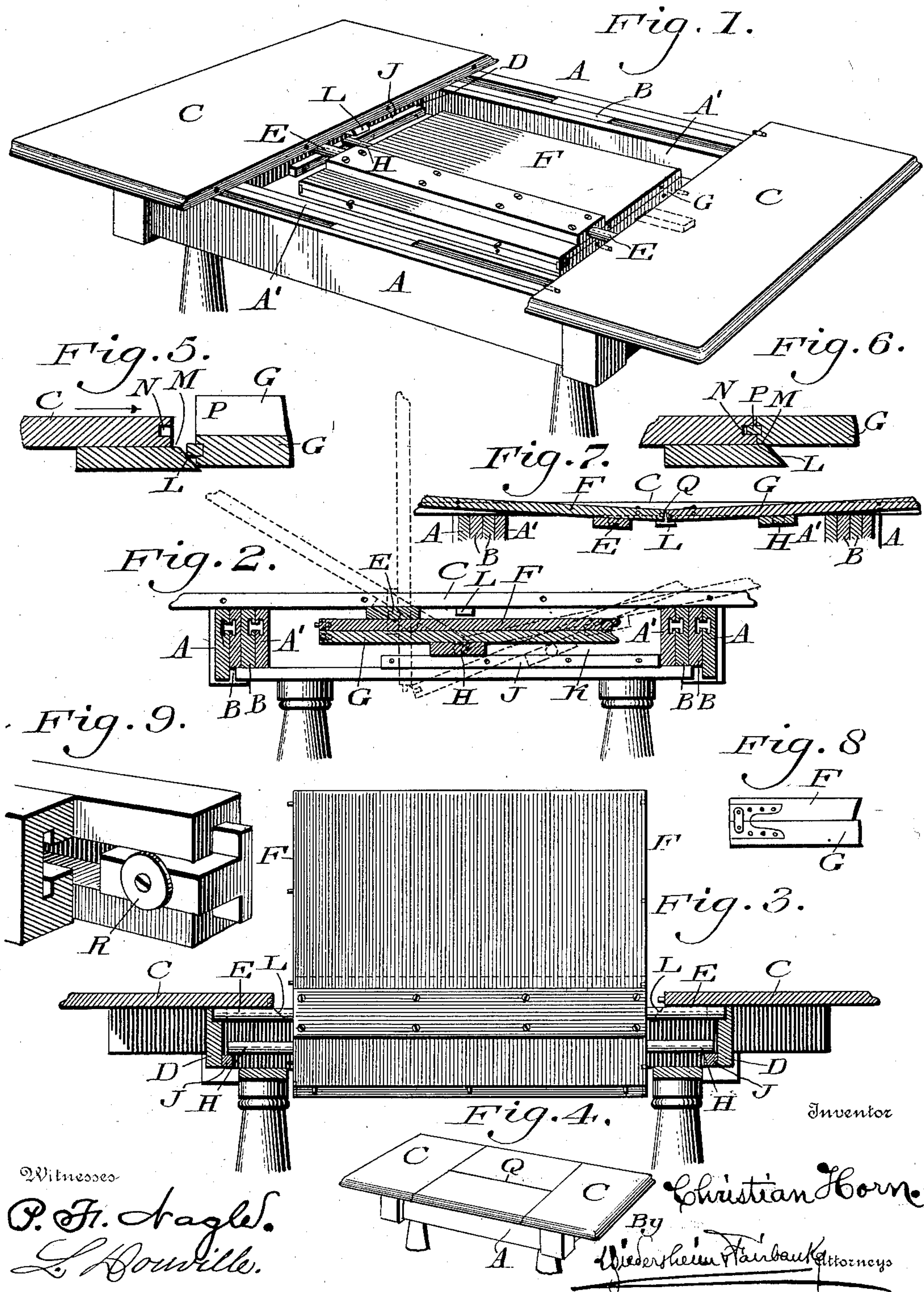
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C. HORN.
EXTENSION TABLE.

(Application filed Apr. 9, 1900.)

(No Model.)



Witnesses

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EXTENSION-TABLE.

SPECIFICATION forming part of Letters Patent No. 656,293, dated August 21, 1900.

Application filed April 9, 1900. Serial No. 12,051. (No model.)

To all whom it may concern:

Be it known that I, CHRISTIAN HORN, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Extension-Tables, which improvement is fully set forth in the following specification and accompanying drawings.

My invention consists of an extension-table having supplemental top sections or leaves which are hinged together in the longitudinal direction of the table and may be folded within the frame of the table when not in use, and when required they may be unfolded so as to form continuities of the end sections of the top and engaged and sustained by the latter, and thus prevented from bowing or sagging, especially at the center, the construction being hereinafter described, and the novel features pointed out in the claims that follow the specification.

Figure 1 represents a perspective view of an extension-table embodying my invention. Fig. 2 represents a transverse vertical section thereof. Fig. 3 represents a longitudinal vertical section thereof, the supplemental tops being shown in different positions from that in Fig. 1. Fig. 4 represents a perspective view of the table in complete extended condition, but on a reduced scale. Figs. 5 and 6 represent longitudinal sections of detached portions thereof, certain members of the same being in different positions. Fig. 7 represents a side elevation showing the supplemental top sections in unfolded position preparatory to being engaged by the end sections of the table-top. Fig. 8 represents a side elevation of portions of the supplemental top sections in folded condition. Fig. 9 represents a perspective view showing the construction of the slides of the table.

Similar letters of reference indicate corresponding parts in the figures.

Referring to the drawings, A A' designate the side rails of the frame of a table, and B the slides, to which the end sections C C of the table-top are secured. D designates the end rails of said frame, on which are mounted the journals E, which project from the supplemental top sections or leaves F, the latter having hinged to it in the direction of the length of the table another top section G, the

latter being provided with the journals H, which are below the journals E and primarily rest on the cleats J, the latter extending transversely on the end rails D, it being noticed that these sections F and G are primarily stowed away in or occupy the chamber K within the rails of the frame, it being also noticed that these sections F and G may be folded out and so occupy the width of the table and extend at a right angle to the end sections C, as will be apparent in Fig. 4. On the inner ends of the sections C of the table-top are the tongues L, whose upper faces are beveled and have at the upper terminal thereof the shoulders M, said sections having also at the end thereof the openings N, which are adapted to receive the dowels P on the adjacent sides of the sections F and G.

The operation is as follows: When it is desired to extend the table, the sections C C are drawn apart, thus uncovering the sections F and G, as in Fig. 1. The section F is now raised and turned on its journals or axes E as fixed pivots, whereby it lowers the connected end of the section G, thus raising the opposite end of the latter, as shown in dotted lines, Fig. 2. Further motion is imparted to said section F, whereby in the present case it turns over to the left, and the section G consequently slides to the right and overhangs the adjacent portions of the rails A A' and slides B, the outer end of the section F also overhanging the left portions of the rails A A' and the slides B, said sections F and G then resting on said rails; but the portions between the two sections at the joint Q sag, as they have no support, as seen in Fig. 7. In the advancing motions of the section G the journals H turn and slide for a short distance on the cleats J and rise with said section, as illustrated by the dotted lines in Fig. 2. The top sections C, which are in the position shown in Fig. 3, are then moved toward each other, when the tongues L ride under the sag or lowered portions of the sections F and G aside of the joint and owing to the beveled faces of said tongues automatically raise said sections F and G to full extent and place the edges of the side portions thereof on the shoulder M and the dowels P enter the openings N, thus supporting said sections F and G and preventing sag-

ging or breaking down of the same, especially at the center of the table, the parts then assuming the appearance as in Fig. 4.

When it is desired to shorten or fold the table, the sections C are opened to sufficient extent, whereby the tongues L are removed from the sections F and G, when the section F is thrown up and turned over the section G, when the sections are folded one on the other and moved so that the journals H resume their position on the cleats J, said sections F and G then reoccupying the chamber K as primarily. The sections C are then closed to full extent, when they cover the chamber K, and consequently the sections F and G thereon.

In order to ease the motions of the slides, they are provided with the rollers R, which move in the respective grooves of the sections, as shown in Figs. 5, 6, 7, 8, and 9.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. An extension-table having leaves hinged together in the longitudinal direction thereof, beveled tongues on the end sections of the table adapted to pass under the sagged sides of said leaves aside of the central joint thereof and automatically raise said sides

when the end sections are moved toward said leaves.

2. An extension-table having leaves hinged together in the longitudinal direction thereof, beveled tongues on the end sections of the table, said tongues having shoulders at the tops thereof, said tongues being adapted to pass under the sagged sides of said leaves aside of the central joint thereof and thereby raise said sides and place them upon said shoulders flush with said end sections when the latter are moved toward said leaves.

3. In an extension-table, leaves hinged together, a fixed journal for one of said leaves, a sliding bearing for the other leaf, a cleat on which said bearing is movably sustained, end sections and tongues on the latter provided with beveled faces and shoulders, whereby when the leaves are unfolded, and the end sections moved toward said leaves, said tongues automatically raise the sides of the leaves at the central joint thereof and place them upon said shoulders sustaining the leaves flush with the end sections.

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