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T. STUTZMAN & A. A. DONEY.

EXTENSION TABLE.

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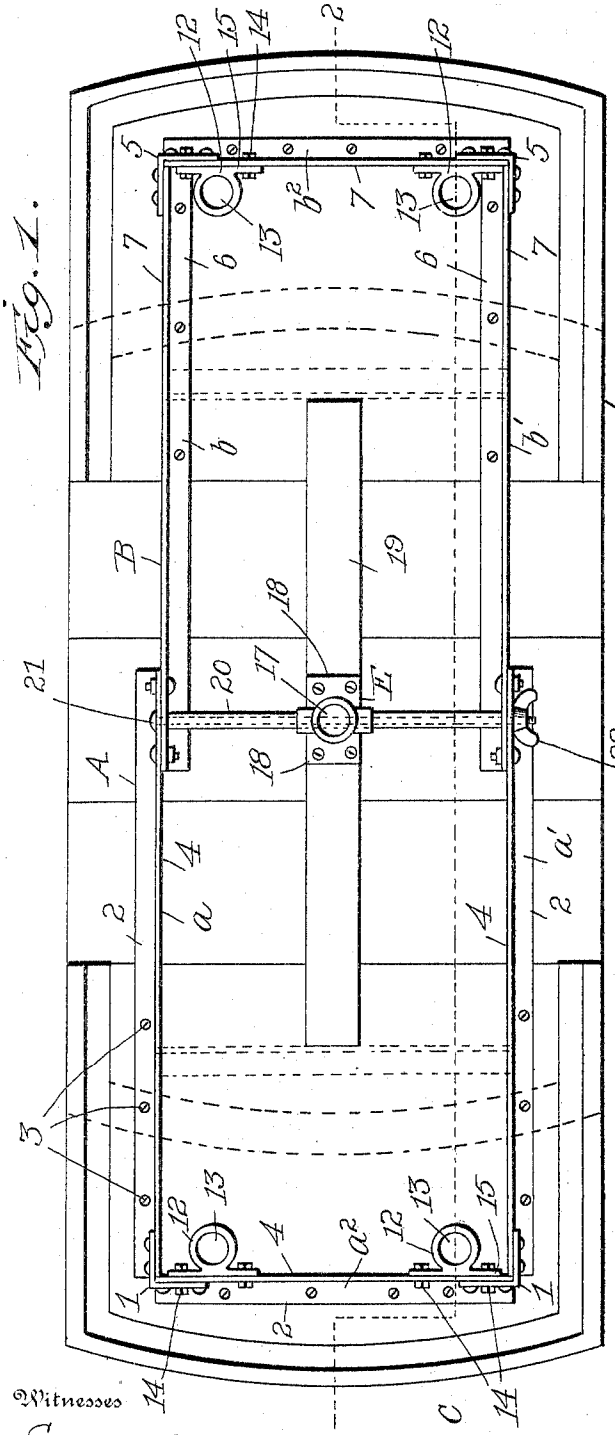


Fig. 1.

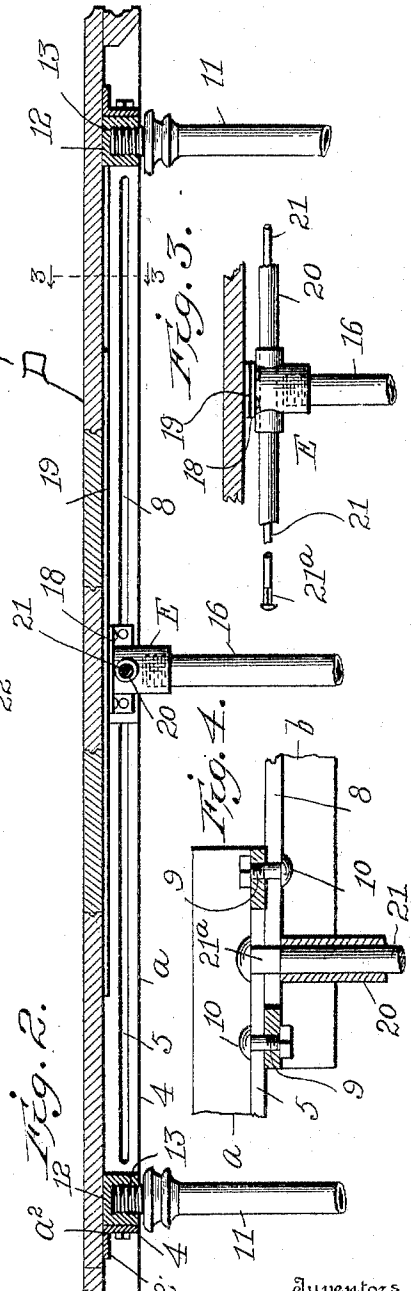


Fig. 2.

Fig. 3.

Fig. 4.

Witnesses

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UNITED STATES PATENT OFFICE.

THOMAS STUTZMAN AND ANDREW A. DONEY, OF SCRANTON, PENNSYLVANIA.

EXTENSION-TABLE.

SPECIFICATION forming part of Letters Patent No. 783,553, dated February 28, 1905.

Application filed February 27, 1904. Serial No. 195,641.

To all whom it may concern:

Be it known that we, THOMAS STUTZMAN and ANDREW A. DONEY, citizens of the United States, residing at Scranton, in the county of Lackawanna and State of Pennsylvania, have invented certain new and useful Improvements in Extension-Tables, of which the following is a specification.

The purpose of our invention is to provide an extension-table which is simple, strong, and comparatively light in construction and in which provision is made for supporting the table at the center by means of a leg which is connected to the table in such manner as to remain in a central position when the table is closed or extended.

The details of our invention will be pointed out in the following specification, taken in connection with the accompanying drawings, in which—

Figure 1 is a bottom plan view of the table-top and extension-frame, showing the table extended in full lines, its closed position being indicated in dotted lines. Fig. 2 is a section on the line 2 2 of Fig. 1. Fig. 3 is a sectional view on the line 3 3 of Fig. 2, showing the central leg of the table and connected parts; and Fig. 4 is a horizontal section taken on the line of the slots in adjacent side bars of the frame-sections.

The extensible frame of the table comprises two main parts A and B, upon which the top pieces C and D, respectively, of the table are secured. The part A of the frame consists, as shown, of two parallel metal angle-bars a and a', L shape in cross-section, said bars extending longitudinally of the table, and a similarly-formed cross-bar a^2, secured to the outer ends of said parallel bars by angle-pieces 1. When in position, the wings or flanges 2 of the angle-bars extend in the same horizontal plane, and the part C of the table-top is secured to these flanges by screws 3 or other suitable fastening devices passing through the flanges. The wings or flanges 4 extend downwardly in vertical planes. The depending flanges 4 of the side bars a and a' are each provided with longitudinal slots 5, extending throughout the greater portion of their lengths, and the horizontal flanges 2 of said side bars, as shown, project laterally outward toward the sides of the table.

The section B of the extension-frame consists of parallel L-shaped bars b and b' and a similarly-formed cross-bar b^2, which is connected to the side bars by angle-pieces 5. The horizontal flanges 6 of the parallel bars b and b' extend inwardly toward one another, and these bars are so arranged that their vertical flanges 7 may move between and in sliding contact with the corresponding flanges 4 of the bars a and a'. The flanges 7 are provided with longitudinal slots 8, which register with the slots 5 in the bars a and a'. The inner end of each side bar is provided with a bolt-hole 9, in which is secured a bolt or stud 10, which projects through the slot in the opposing side bar. The two sections of the extension-frame are thus connected together by the bolts or studs, so that they cannot be pulled apart and yet may be moved longitudinally to open or close the table. The legs 11 at the ends of the table are formed of metal tubing, and their upper ends are threaded and fit within fittings 12, having threaded sockets 13, which fittings are secured to the end bars a^2 and b^2 of the extension-frame by bolts 14 extending through flanges 15 upon the fittings and through the vertical flanges of the bars a^2 and b^2. A center leg 16, also made of metal tubing, has a screw-threaded upper end, which fits within a socket 17 in a fitting E. This fitting is provided with flanges 18, extending horizontally in opposite directions and by which it is secured to the center of a flat metal or wooden bar 19, extending longitudinally beneath the table-top in sliding engagement therewith and forming a distance-piece which abuts against the vertical flanges of the end bars a^2 and b^2 when the table is closed to keep the leg 16 in a central position, as shown in dotted lines, Fig. 1.

The fitting E is provided with a transverse opening, and a metal tube 20 is secured within said opening and projects to equal distances beyond the sides of the fitting. The ends of the tube abut against the vertical flanges 7 of the bars b and b', and a bolt 21 extends through

said tube and through the slots in all of the side bars of the extension-frame. This bolt, as shown, is provided with a square portion 21^a near one end, which prevents the bolt from turning in the guide-slots, and with a wing-nut 22 at its opposite end for the purpose of clamping the side bars against the ends of the tube 20. The tube is thus securely held in position and forms a distance-piece, by means of which the leg 16 is held midway between the sides of the table. The leg 16, being secured to the distance-pieces at their intersecting or crossing point, is held rigidly in an upright position, the piece 20 preventing lateral inclination of the leg and the piece 19 preventing inclination of the leg longitudinally of the table.

To length or shorten the table, it is merely necessary to loosen the wing-nut 22, and the extension-frame may then be opened or closed. The distance-piece 19 has a bearing against the parts C and D of the table-top in the most extended position of the table, as shown in full lines in Fig. 1. When the table is closed, the leg 16 is centered in a longitudinal direction by the abutment of the bars a^2 and b^2 against the ends of the distance-piece 19, said bars forming stops for the distance-piece, and when the table is extended to its full length the leg is centered in a longitudinal direction by the engagement of the ends of the bolt 21 with the end walls of the slots in the side bars of the extension-frame. When desired, the center leg and distance-pieces may be removed by removing the bolt 21, or any of the legs may be removed by unscrewing them from the sockets in which they are held.

Having described our invention, what we claim, and desire to secure by Letters Patent, is—

1. In a table, the combination with an extensible frame having parallel side bars, top pieces secured to the opposite end portions of said frame, and legs arranged to support the table at its ends, of a distance-piece arranged transversely of the table between said side bars, and connected thereto, a distance-piece arranged longitudinally of the table in sliding engagement with the table-top, and connected at its central portion to said transverse distance-piece, a leg secured to said distance-pieces at their intersecting point, and stops secured to the top pieces in line with said longitudinally-arranged distance-piece.

2. In a table, the combination with an extensible frame having parallel side bars provided with longitudinal slots, top pieces secured to the opposite end portions of said frame, and legs arranged to support the table at its ends, of a tubular distance-piece arranged transversely of the table and having its ends abutting against said side bars, a bolt extending longitudinally through said tube and through said slots, and adapted to clamp the side bars against the ends of the tube, a distance-piece arranged longitudinally of the table in sliding engagement with the table-top, and connected at its central portion to said tubular distance-piece, a leg secured to said distance-pieces at their intersecting point, and stops secured to the top pieces in line with said longitudinally-arranged distance-piece.

3. In a table, the combination with an extensible frame having parallel side bars, top pieces secured to the opposite end portions of said frame, and legs arranged to support the table at its ends, of a distance-piece arranged longitudinally of the table in sliding engagement with the table-top, stops secured to the top pieces in line with said distance-piece, a fitting secured to the center of said distance-piece, said fitting having a transverse opening therethrough and a socket adapted to receive a table-leg, and a distance-piece extending through said opening and connected to the side bars of the frame.

4. In a table, the combination with an extensible frame having parallel side bars provided with longitudinal slots, top pieces secured to the opposite end portions of said frame, and legs arranged to support the table at its ends, of a distance-piece arranged longitudinally of the table in sliding engagement with the table-top, stops secured to the top pieces in line with said distance-piece, a fitting secured to the center of said distance-piece, said fitting having a transverse opening therethrough and a socket adapted to receive a table-leg, a tubular distance-piece secured within said opening, and having its ends abutting against said side bars, and a bolt extending through the slots in said side bars, and longitudinally through said tubular distance-piece.

5. In a table, an extensible frame consisting of two sections, each having parallel longitudinally-slotted side bars connected in sliding engagement with the corresponding bars of the opposing section, top pieces secured to said sections, and legs arranged to support the table at its ends, in combination with a distance-piece arranged transversely of the table between said side bars, a bolt projecting from the ends of said distance-piece through the slots in the side bars of both sections, a distance-piece arranged longitudinally of the table and connected at its central portion to said transverse distance-piece, a leg supporting said distance-pieces, and stops secured to the top pieces in line with said longitudinally-arranged distance-piece.

6. In a table, the combination with two top or end pieces, of an extensible frame consisting of two sections, each section comprising parallel metal side bars L-shaped in cross-section, and an end bar, the side bars of each section having vertical flanges arranged parallel with the corresponding flanges of the opposing section, and horizontal flanges connected to a top piece and extending laterally

in an opposite direction from the corresponding flanges of the opposing section, said vertical flanges having longitudinal slots therein, and a stud secured to an end of each side bar and extending into the slot in the opposing bar.

7. In a table, the combination with two top or end pieces, of an extensible frame consisting of two sections, each section comprising parallel metal side bars L-shaped in cross-section, and a similarly-formed end bar, the side bars of each section having vertical flanges arranged parallel with the corresponding flanges of the opposing section, and horizontal flanges connected to a top piece and extending laterally in an opposite direction from the corresponding flanges of the opposing section, said vertical flanges having longitudinal slots therein, a stud secured to an end of each side bar and extending into the slot in the opposing bar, fittings having vertical threaded sockets secured to the vertical flanges of said frame, tubular table-legs having threaded ends fitting within said sockets, and top pieces secured to the horizontal flanges of the frame.

In testimony whereof we affix our signatures in presence of two witnesses.

THOMAS STUTZMAN.
ANDREW A. DONEY.

Witnesses:
F. E. BURS,
R. LOUIS GRAMBS.