

Oct. 14, 1952

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2,614,013

EXTENSION TABLE WITH DETACHABLE END LEAVES

Filed Dec. 11, 1948

4 Sheets-Sheet 1

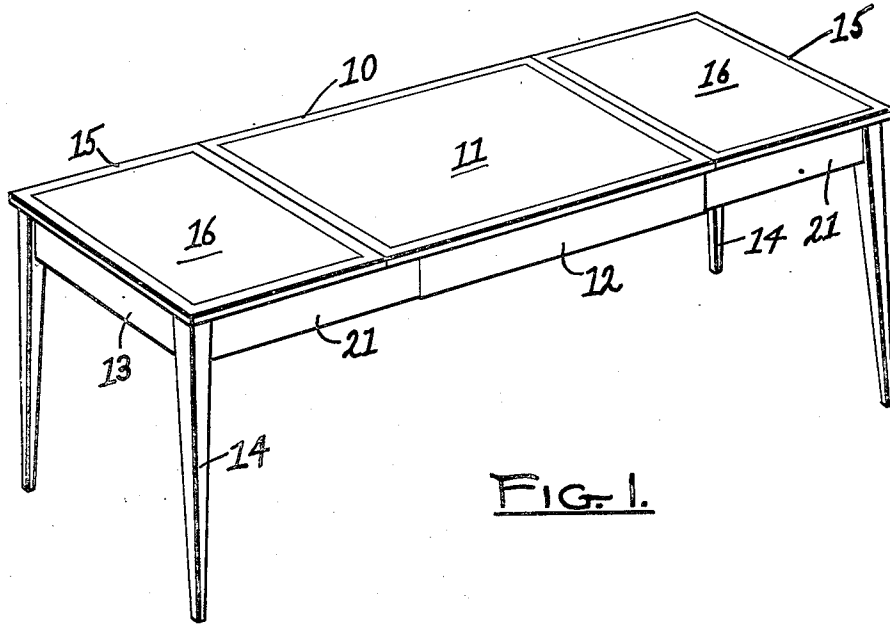


FIG. 1.

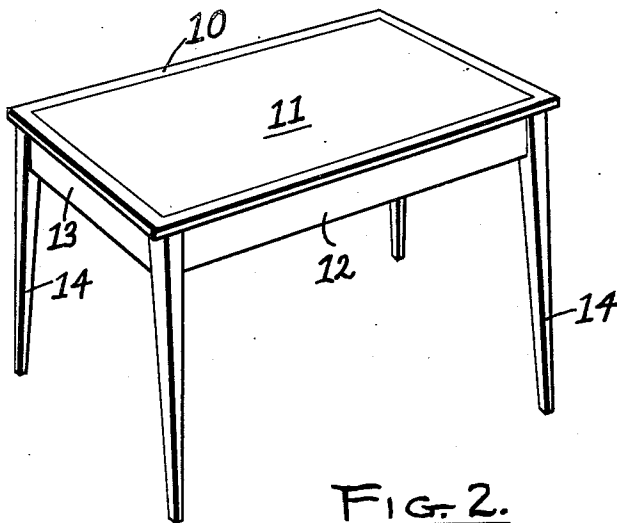


FIG. 2.

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4 Sheets-Sheet 2

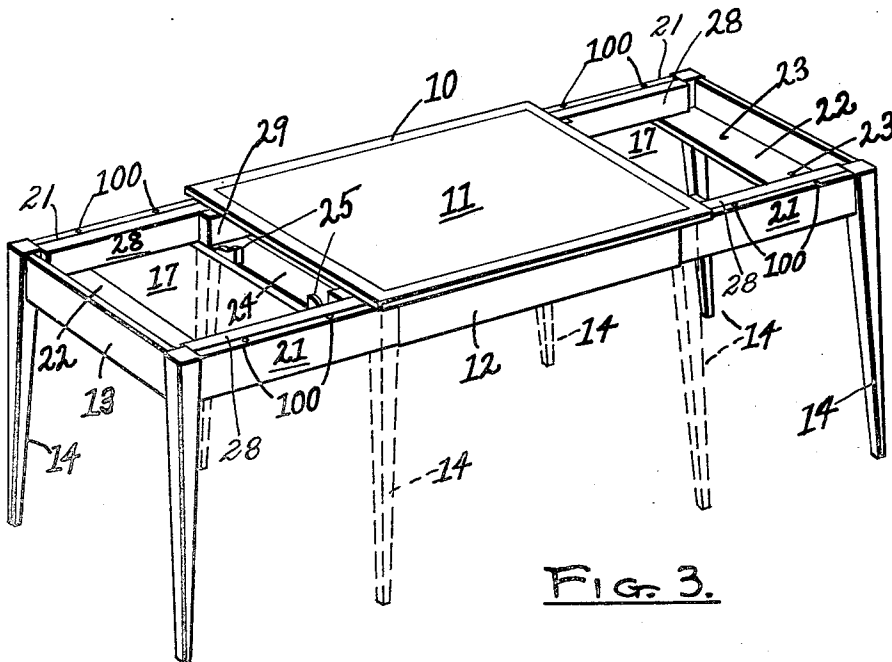


FIG. 3.

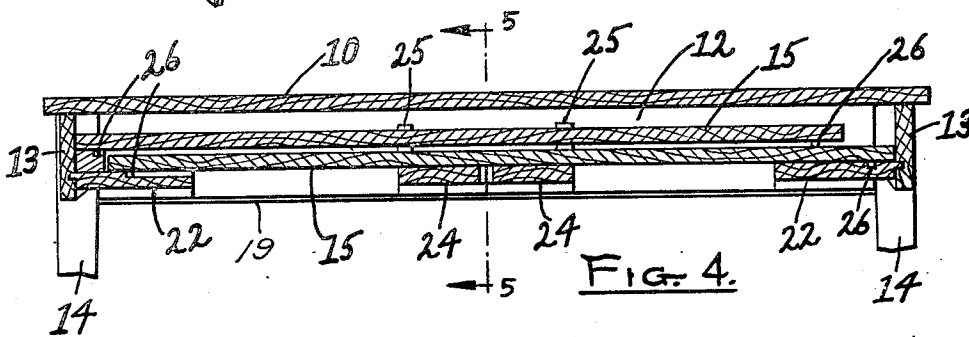


FIG. 4.

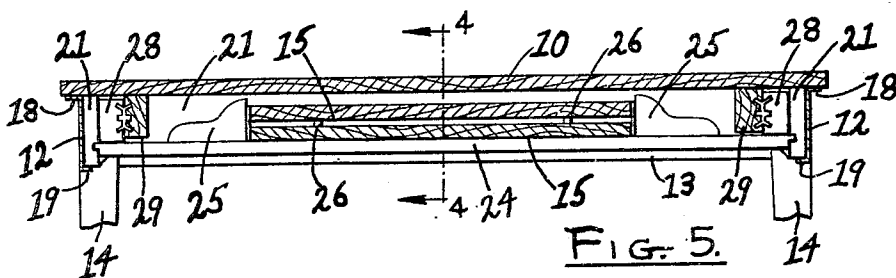


FIG. 5.

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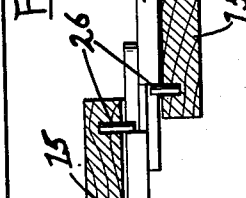
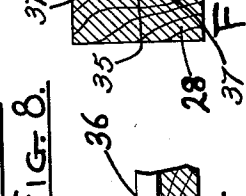
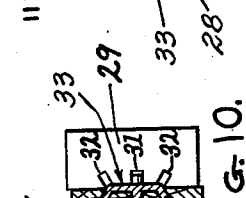
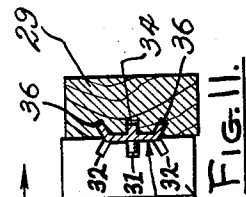
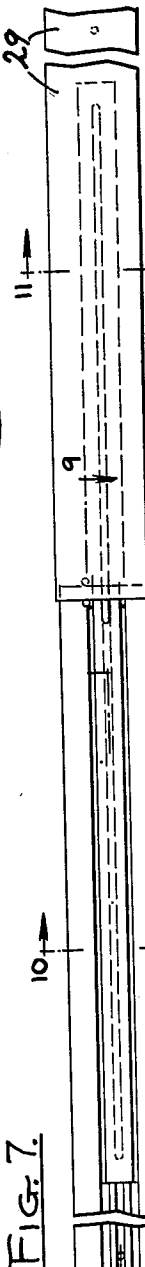
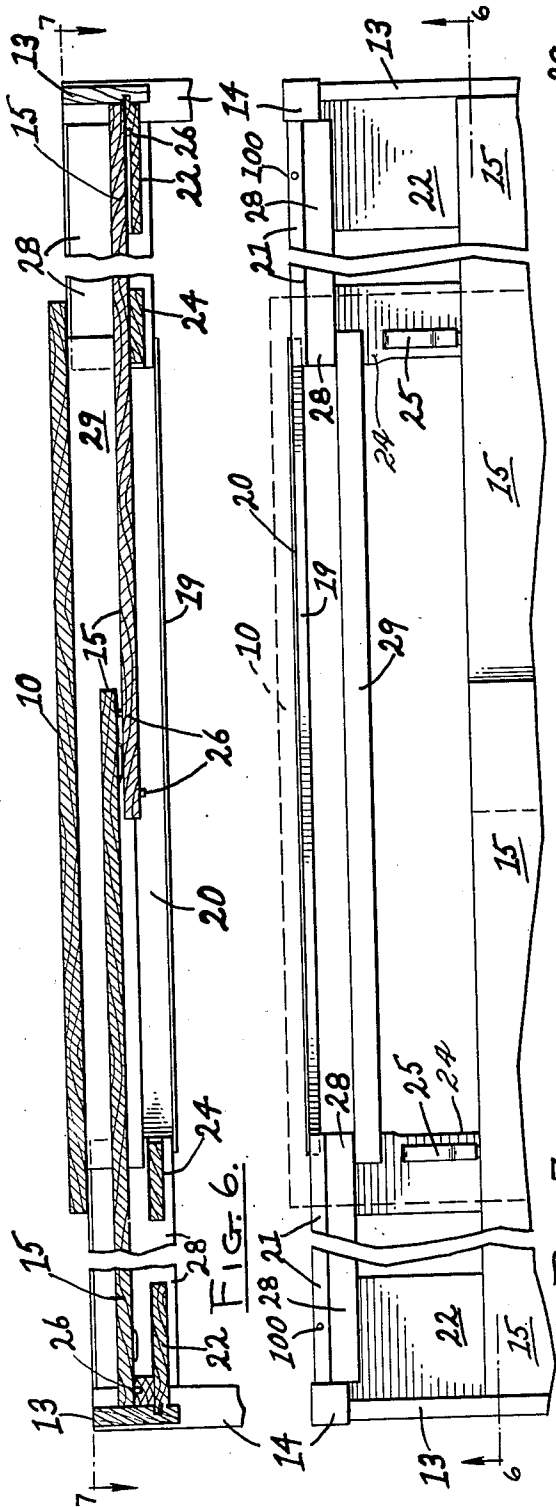
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FIG. 13.

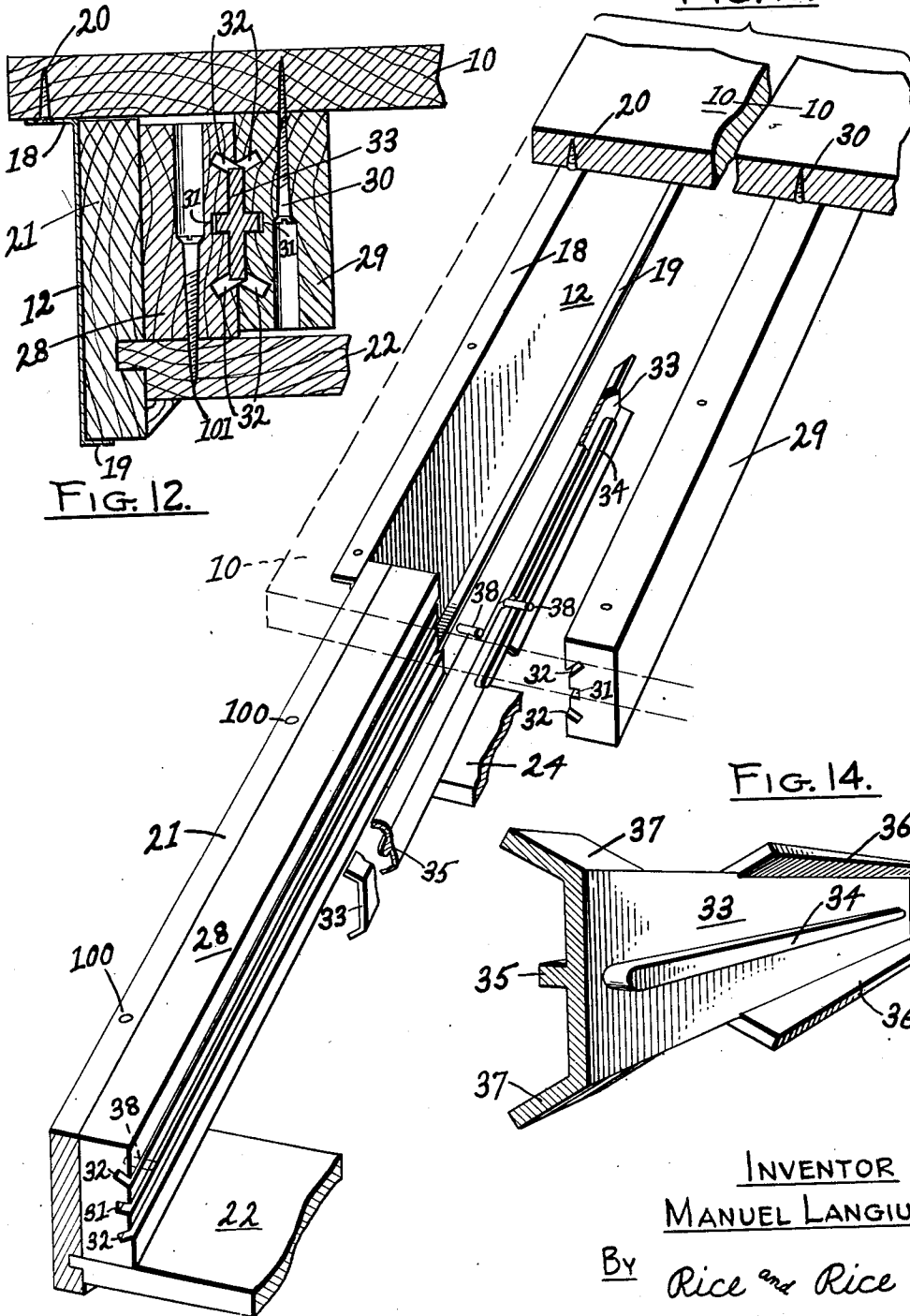


FIG. 14.

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EXTENSION TABLE WITH DETACHABLE END LEAVES

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Application December 11, 1948, Serial No. 64,846

1 Claim. (Cl. 311-52)

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The present invention relates to extension tables with detachable end leaves and more particularly to such tables as are especially well adapted for use in the home.

The primary objects of the instant invention are to provide a table of the general character above indicated which table may be extended when desired and in its extended position of use, the rails thereof are invisible when table mats are used in lieu of a table cloth; to provide such a table whose leaves may be conveniently stored within the table itself and out of sight; to provide such a table having novel type rails; to provide such a table which may be readily and conveniently extended for use and closed when not desired for use; and, to provide such a table which is attractive in appearance, highly efficient in use and reasonably economical in manufacture.

An illustrative embodiment of the invention is shown in the accompanying drawings, wherein:

Figure 1 is a perspective view of the table in its extended position;

Figure 2 is a perspective view of the table in its normal or non-extended position;

Figure 3 is a view similar to that of Figure 1 but without the inserted end leaves;

Figure 4 is a transverse sectional view of the length of the table in its non-extended position and on line 4-4 of Figure 5;

Figure 5 is a sectional view thereof on line 5-5 of Figure 4;

Figure 6 is an enlarged longitudinal sectional view of the table in its non-extended position—broken at each end—and on line 6-6 of Figure 7;

Figure 7 is a sectional view thereof on line 7-7 of Figure 6;

Figure 8 is an enlarged side elevational view of one of the rails of the table in its partly extended position, the opposite ends thereof being broken away;

Figure 9 is an enlarged sectional view on line 9-9 of Figure 8, partly broken in length;

Figure 10 is an enlarged sectional view on line 10-10 of Figure 8;

Figure 11 is an enlarged sectional view on line 11-11 of Figure 8;

Figure 12 is an enlarged vertical sectional view adjacent a corner of the table, particularly to show the table slide construction;

Figure 13 is an enlarged fragmentary perspective view of bracketed parts of the table slide construction in its partly extended position, portions of adjacent parts being broken away; and

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Figure 14 is an enlarged perspective view of the spider member of the table slide, the same being cut transversely of its length substantially medially of the length thereof.

Referring then to the drawings wherein like parts of the structure there shown are designated by the same numerals in the several views, the table illustrated in Figure 2 is provided with a conventional top generally designated 10. The top has an inlaid portion 11 of any suitable material, depending plates or side aprons 12 and end aprons 13. The top is supported on legs 14 which may be detachably secured for shipping purposes and/or in order that a retail dealer may stock a plurality of table tops without legs and furnish the customer with legs of a different character than that shown in the drawings, i. e. the dealer may furnish the customer with legs of Queen Anne, Sheraton, Hepplewhite, etc. character to match a given type of furniture in his house.

The table may, if desired, be extended from its normal position shown in Figure 2 to its extended position shown in Figure 1 for use with table mats rather than a table cloth, the rails thereof thus being invisible, all as indicated in Figure 3.

Referring now particularly to Figures 1 and 3, the end leaves 15, each supported by a pair of the legs 14, are here shown as having inlaid portions 16. Each end leaf may be stored in a well 17 (Fig. 3), when not in use in the manner herein-after more particularly described.

The depending side aprons 12 of the table top are of a metal suitable to receive and retain a simulated wood finish. As best shown in Figures 5 and 12, each of these depending side aprons 12 has an upper outwardly flanged length 18 and a lower inwardly flanged length 19. Along the upper lengths 18 of both depending side aprons 12 the table top 10 is secured as by screws 20 (Fig. 12).

Referring now to Figures 1, 3, 5, 12 and 13, the extensible ends of the table each has the depending end apron 13 supported by and secured between its spaced proximate legs 14. Each of the extensible ends has a pair of spaced horizontally disposed transverse depending facing strips or side aprons 21, each of which side aprons 21 seats upon the upper surface of the flanged portion 19 of a depending side apron 12, when each extensible end is in its closed position, as shown in Figure 2. Each of the depending side aprons 21 slides upon the upper surface of its proximate flanged portion 19 when

extended to its position shown in Figures 1 and 3 and in the manner indicated in Figure 13.

Now referring to Figures 3-6, 12 and 13, a leaf supporting strut 22 is secured to the under outer lengths of each companion pair of depending side aprons 21. Each of these struts is provided with a pair of spaced, parallel, vertically disposed dowel receiving wells 23 (Fig. 3). A parallel leaf supporting strut 24, spaced inwardly from each strut 22, is provided with a pair of upstanding spaced leaf guides 25. Each leaf 15, on its under surface, is provided with spaced depending aligned dowels 26 adapted to register with a pair of proximate dowel receiving wells 23 in the strut 22. A leaf 15 may be stored in a well 17 by inserting its non-dowelled end between the spaced guides 25, when the table is in its extended position shown in Figure 3, and dropping the depending dowels into their proximate dowel receiving wells 23. The table may then be closed to its position shown in Figure 2. When the end leaves 15 are inserted in the extended position of the table, the dowels 26 of the leaves are adapted for insertion in the dowel receiving wells 100 of the side aprons 21. (Figs. 3, 7 and 13).

As best shown in Figures 7, 8 and 12-14, a pair of spaced parallel horizontally disposed table slides comprise an end runner or end length 28 adjacent to each inner side of a depending side apron 21 of the table. Each of the end lengths 28 is supported at its outer end and secured on the upper surface of a leaf supporting strut 22, as by screws 101, and, at its inner end, is supported on the upper surface of a leaf supporting strut 24 (Fig. 13). An intermediate runner or intermediate length 29 for each companion pair of end lengths 28 of each table slide is secured to the under side of the table top as by screws 30 (Fig. 13). Each of the intermediate lengths 29 is inwardly of, parallel to and adjacent the inner length of each of its companion slidable inner lengths 28 when the table is in its closed position (Fig. 12).

The contiguous surfaces of each end length 28 and each intermediate length 29 are here shown as provided with a medial longitudinal groove 31 and oppositely disposed parallel angular grooves 32 (Figs. 12, 13). An elongated metal spider, generally designated 33 and best shown in Figure 14, has a longitudinal medial rib 34 along one side extending from one end for more than one half the length of the spider and a longitudinal medial rib 35 on its other side extending from the spider's other end more than one half of the length of the spider. The length of the medial ribs 34 and 35 is such that their inner ends overlap.

One half of the length of the spider 33 is provided with marginal angularly flanged portions 36 and the other half of the length of the spider is provided with oppositely disposed marginal angularly flanged portions 37. The rib 34 and the angularly flanged portions 36 are adapted

for sliding engagement with the medial longitudinal groove 31 and its pair of proximate angular grooves 32 respectively of the intermediate length 29 (Figure 11). The rib 35 and the angularly flanged portions 37 are adapted for sliding engagement with the medial longitudinal groove 31 and its proximate pair of angular grooves 32 respectively of the rail length 28 (Figure 10). Suitable stops 38 (Figure 13) are provided to prevent separation of the several parts of the several pairs of rails once they have been assembled and for limiting the displacement between the end lengths 28 and their respective medial length 29.

It will thus be seen that the rails of the extensible table are invisible when the table is in its extended position, and that the end leaves may be conveniently stored in the table itself and thereby hidden when the table is in its closed position. It will also be seen that the table is provided with novel type rails and is attractive in appearance, highly efficient in use and reasonably economical in manufacture.

While but one specific embodiment of the invention has been herein shown and described, it will be understood that certain details of the construction shown may be altered or omitted without departing from the spirit of the invention as the same is defined in the following claim.

I claim:

In a top for an extension table, the improvement comprising: a main top member; a pair of spaced, parallel first runners secured to said main top member; a pair of spaced, parallel second runners parallel to and slidably engaging said first runners; each of said second runners being outwardly of its adjacent first runner with respect to the center of said table; a thin, elongated plate mounted on its upper end to said main top member and on its lower end having an inwardly directed flange; each of said plates being parallel to said first and second runners, outwardly of and closely adjacent to one of said second runners and extending substantially the length of said main top member.

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