

Sept. 1, 1925.

1,552,104

H. F. ZAHNER

TABLE

Filed June 30, 1924

Fig. 1.

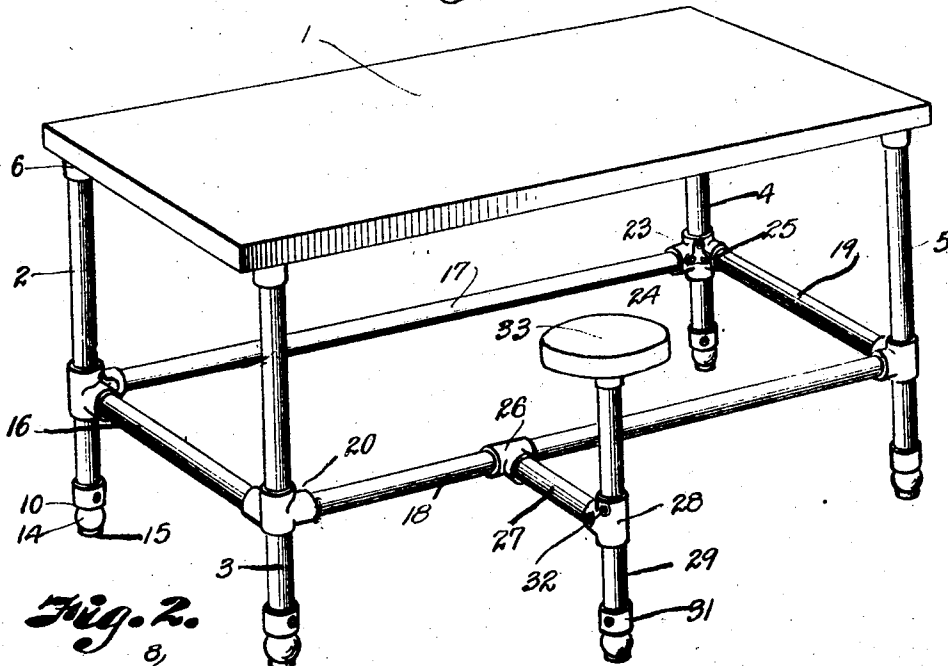
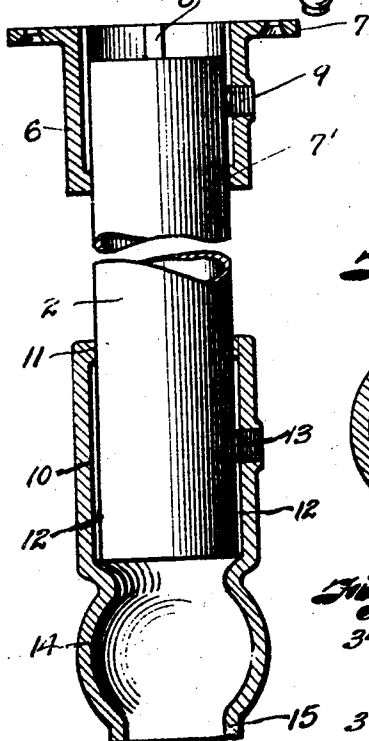


Fig. 2.



Aug. 3.

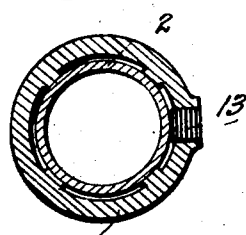


Fig. 4.

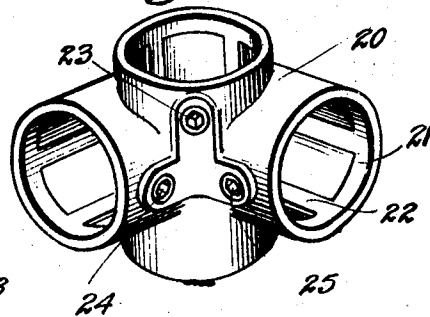
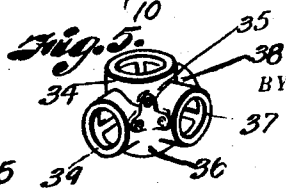


Fig. 5.



INVENTOR
Henry F. Zahner.
M. W. Brown.
ATTORNEY

UNITED STATES PATENT OFFICE.

HENRY F. ZAHNER, OF KANSAS CITY, MISSOURI.

TABLE

Application filed June 30, 1924. Serial No. 723,209.

To all whom it may concern:

Be it known that I, HENRY F. ZAHNER, a citizen of the United States, residing at Kansas City, in the county of Jackson and State of Missouri, have invented certain new and useful Improvements in Tables; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

This invention relates to tables and particularly to kitchen tables, the primary object being to provide a vertically adjustable table preferably with a vertically adjustable seat and vertically adjustable seat rails and braces and by no means an unimportant feature is the provision of means whereby the table may be shipped in a knock down or disassembled condition, the parts being so arranged that the table structure may be readily and conveniently set up for use.

The construction of the invention will be apparent by reference to the following description in connection with the accompanying drawings, in which—

Fig. 1 is a perspective view of a table constructed in accordance with my invention.

Fig. 2 is an elevational view of one of the table legs showing the end socket members in section.

Fig. 3 is a sectional view through one of the socket members.

Fig. 4 is a detailed perspective view of one of the 4-way fittings for securing the brace and foot rests to the table legs, and

Fig. 5 is a detailed perspective view of a 5-way fitting.

The table is shown as provided with a top 1 and four legs, designated 2, 3, 4 and 5. The table legs are secured to the top by inserting their ends into complementary sockets 6. Each socket is in the form of a tube having a peripheral flange 7 which may be fastened to the bottom face of the table top. The lower ends of the socket 6 have inturned flanges 7' to form beads or collars surrounding openings, the diameters of which are substantially equal to the diameters of the table legs which they receive.

The interior of the tubular members are

provided with longitudinally disposed ribs 8 extending from the walls of the tubes inwardly to lie snugly against the peripheries of the table legs. The table legs are held in the sockets by socket jam screws 9. The screws 9 are preferably provided in their outer ends with sockets with polygonal contours so that they can be turned only from the application of a key. By loosening the screws 9 however, the tubular legs 2, 3, 4 or 5 as the case may be, may be adjusted in sockets and it should be here noted that the legs may conveniently consist of pieces of pipe.

The lower ends of the legs are provided with socket extensions, comprising tubular members 10 which like the tubular member 6 are provided with inturned collars or beads 11 and like the tubular member 6, the members 10 are provided with longitudinal ribs 12 to lie against the legs to effect a rigid connection when the set screws 13 are in place binding against the legs.

The tubular members 10 have substantially spherical ends 14 terminating in ring shaped extremities 15 as will be clearly seen by reference to Fig. 2.

It will be apparent that the legs may be adjusted in the sockets 6 and the socket extensions 10 may be adjusted upon the legs, therefore an adjustment over relatively wide range may be accomplished.

The legs are held together by brace rods 16, 17, 18 and 19 which engage the 4-way T fittings 20. The 4-way T fittings are provided with collar portions 21 corresponding to the portions 7' and 11 on the members 6 and 10 and the 4-way T connections are also provided with parallel longitudinal ribs 22 like the ribs 8 and 12, so that they may receive the members 16, 17, 18 and 19. The legs and brace rails are held in position by the socket jam screws 23, 24 and 25. One of the rails, for example 18, not only serves as a brace rail but it also constitutes a foot rest and it carries a fitting 26 to which a brace member 27 is secured, the brace member 27 carrying a fitting 28 in which the seat leg 29 is received, one end of the seat leg 29 being received in the socket 30 like socket 6, the other end being received in the socket 31 like socket 10. The leg 29 may be adjusted in any position and held in the fitting 28 by the jam screw 32.

It will be apparent that the proper ad-

justment as to height of the table may be made, the proper adjustment as to the foot rail may be made, whether with respect to the floor or to the seat 33. It will also be
 5 apparent for the purpose of shipping from the factory, the entire device can be knocked down and packed in a relatively small space, ready to be set up when it reaches the point of destination without fear of having the
 10 parts disarranged and without requiring any special skill in the assembling. Such a table is especially adapted for use in restaurants, cafés and the like for kitchen purposes, but the invention is not necessarily
 15 limited to any particular use.

Attention is called to the fact that the fitting 28 is loose on the foot and brace rail 18 so that the fitting can be slid longitudinally along the rail or tube 18 if desired the
 20 fitting can be rotated about the axis of the member 18 so that the seat 33 can be tilted in under the table top. Therefore the fitting 18 not only serves as a support for the pipe 27 but it also constitutes a hinge for
 25 the seat standard.

In Fig. 5 I have shown a 5-way fitting designated by the reference numeral 34. The 5-way fitting consists of a tubular portion having ends 35 and 36 for the legs and
 30 elbow members 37 and 38 for the side rails with an extension 39 so that an end rail like 17 or 18 may be connected to it to add another section of furniture. Therefore the table may be made longer than one unit.
 35 If the table is to be made wider, the fitting will be put on so that additional rails 16 and 19 may be joined.

Attention is further directed to the fact that with the construction contemplated by
 40 my invention the furniture may be inex-

pensively made since ordinary pipe may be used, the sockets being so constructed that the necessity for screw threading the pipe will be eliminated. The socket member or fitting may be cast so practically no ma-
 45 chine work will be required.

What I claim and desire to secure by Letters Patent is:

1. A furniture leg structure comprising a tubular socket having an upper peripheral flange, the lower end of the socket having
 50 an inturned flange, a leg extension member consisting of a tubular member with an inturned flange at its upper end and a spherical lower end forming a shoulder, a tube
 55 adjustably mounted within the tubular members to connect them, the diameter of the tube being equal to the diameter of the openings surrounded by the flanges, and set screws for fastening the socket members
 60 together.

2. A furniture leg structure comprising a tubular socket member having an upper peripheral flange, the lower end of the socket having an inturned flange, a leg ex-
 65 tension member consisting of a tubular member with an inturned flange at its upper end and a spherical lower end forming a shoulder, a tube adjustably mounted within the tubular members to connect them, the
 70 diameter of the tube being equal to the diameter of the openings surrounded by the flanges, set screws for fastening the socket members together, and longitudinal ribs on the inner walls of the socket members and
 75 on the inner walls of the leg extension against which the tube bears.

In testimony whereof I affix my signature.

HENRY F. ZAHNER.