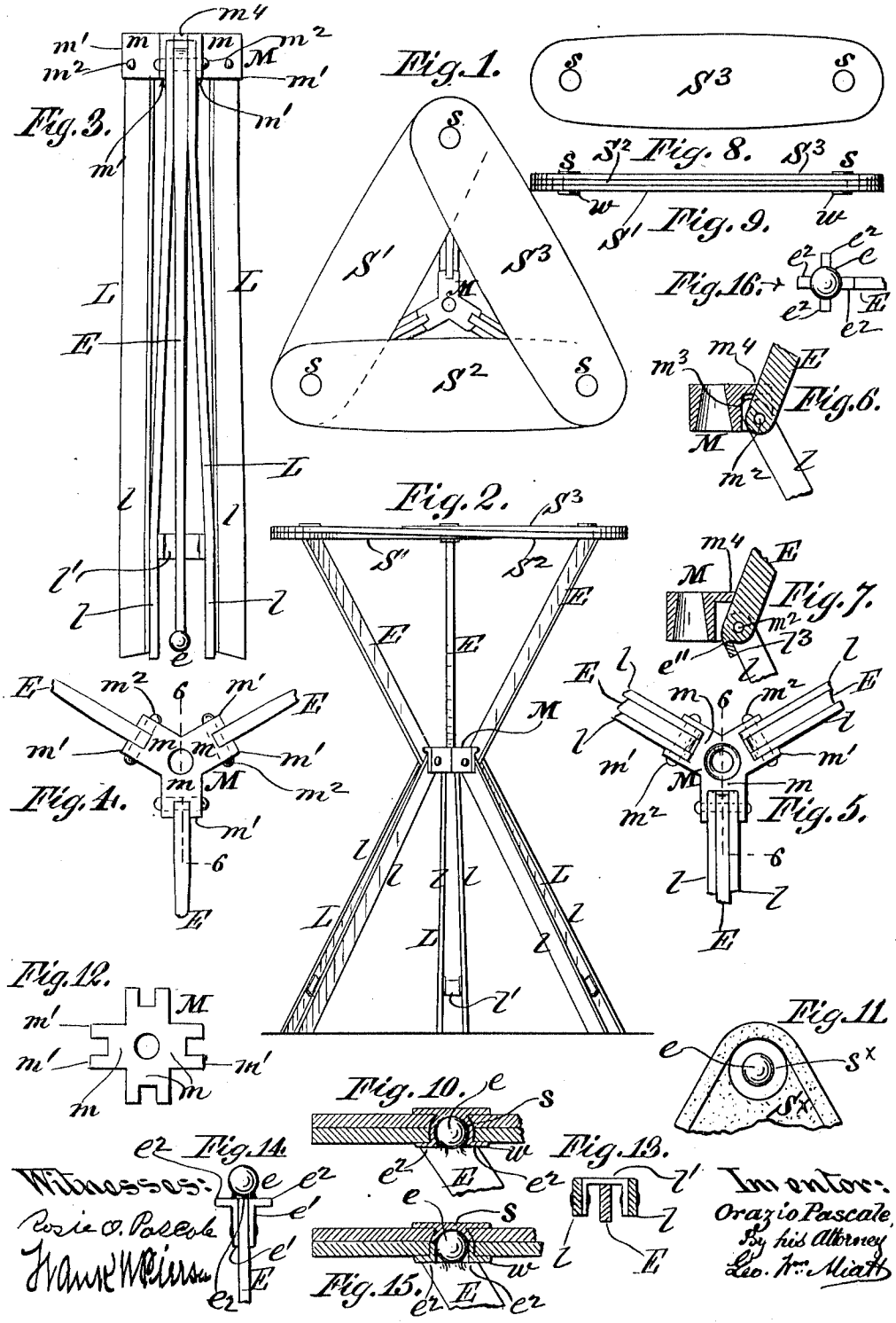
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KNOCKDOWN TABLE, CHAIR, AND THE LIKE.

APPLICATION FILED APR. 16, 1914.

1,118,677. Patented Nov. 24, 1914.



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UNITED STATES PATENT OFFICE.

ORAZIO PASCALE, OF NEW YORK, N. Y.

KNOCKDOWN TABLE, CHAIR, AND THE LIKE.

1,118,677. Specification of Letters Patent. Patented Nov. 24, 1914.

Application filed April 16, 1914. Serial No. 832,180.

To all whom it may concern:

Be it known that I, ORAZIO PASCALE, a citizen of the United States, and a resident of the borough of Bronx, county of Bronx, city and State of New York, have invented certain new and useful Improvements in Knockdown Tables, Chairs, and the like, of which the following is a specification.

My invention while applicable to tables, chairs and similar supports for various articles and purposes, is designed to afford a simple knock-down structure that may be quickly and conveniently erected and assembled for use, and as expeditiously dismounted and folded up in compact form for transportation and storage, as hereinafter set forth, the invention consisting in the specific construction and arrangement of parts described and claimed,—a distinctive feature being the use of a medial fulcrum member to which the leg members and upper extensions thereof are pivotally connected in such manner that the extension members may be folded within the leg members when not required for use as hereinafter set forth.

In the accompanying drawings, Figure 1, is a top view of my improved device adapted for use as a seat or similar support; Fig. 2, an elevation of the parts shown in Fig. 1; Fig. 3, a view upon a larger scale of the fulcrum member and legs and extensions folded; Fig. 4, is a top view of the fulcrum member showing the extension members spread open and broken away in part; Fig. 5, is a view of the under side of the extension member and adjoining portions of the legs and extensions broken away in part; Fig. 6, is a section taken upon plane of line 6—6 Figs. 4, and 5; Fig. 7, is a similar view showing a modification; Figs. 8, and 9, are respectively top and edge views of the seat members folded together; Fig. 10, a sectional view, full size approximately, showing the connection between seat members and extension members; Fig. 11, a detail illustrating the attachment of a canvas seat or the like; Fig. 12, a view of the medial fulcrum member adapted to the use of four sets of legs and extension members; Fig. 13, is a cross section of one of the legs; Fig. 14, a detail view of a modification; Fig. 15, a sectional view like unto Fig. 10, showing the overlap of the free ends of the top sections. Fig. 16, an end view of one of the extension arms.

In carrying out my invention practically it is obvious that three or more legs L, and three or more extensions E, may be used as may be found most expedient. Thus in all but Fig. 12, of the drawings which show a folding seat structure for convenience of illustration, three legs L, and three extension arms E, are provided for and used, whereas in said Fig. 12, is shown a medial fulcrum member adapted for the use of four legs, extensions &c.,—as for instance in the case of a table where the surface to be supported is comparatively large &c.

The medial fulcrum member M, is provided with the desired number of radial bearing arms m, each formed with the flanges m', m', between which the adjoining ends of the legs L, and the extension arms E, are fulcrumed or pivotally supported upon bolts or rivets m^2.

The legs L, are formed each of two flat rods l, l, of suitable material, preferably metallic. The upper ends of these flat rods l, l, are connected through the medium of the fulcrum rivets m^2, and their lower ends are connected and spaced apart by a brace l', made U-shaped to accommodate the extension arm E, when the latter is turned and folded between the leg rods l, l, as shown particularly in Fig. 13. Each extension arm E, consists of a strip or flat rod of metal (preferably) like unto one of the leg members l, one end of such extension arm being pivotally attached to the medial fulcrum member M, by one of the rivets m^2, and being positioned thereon between the upper ends of the leg members l, l, as shown particularly in Figs. 3, and 5. The other or outer extremity of each extension arm E, is formed with a button e, or equivalent device for engagement with any one of several sockets s, in the seat members S′, S^2, S^3, or with eyelets s^x, in a canvas seat or top S^x, as indicated in Fig. 11.

The stud or button e, may be formed directly upon the extension arm E, or it may be formed separately with flanges e', e', which straddle, and are riveted to, the end of the extension E, as shown in Fig. 14; or any other well known mechanical expedient may be utilized in effecting connection with the top or seat, as may be found most expedient. The ball and socket coupling however (like unto the so-called "glove button" fastening) affords a neat and compact device for the purpose. When the seat sec-

tions S′, S², S³, are made of wood or comparatively soft material washers *w*, may be interposed between the under sides of said sections and the shoulders e^2, e^2, adjacent to the buttons *e*, on the ends of the extension arms E; and four of these bearing shoulders may be provided as shown in Fig. 16, extending radially, so as to steady the arms E, laterally as well as longitudinally.

When the seat or top consists of three or more sections S′, S², S³, foldable one over the other, as will be understood by reference particularly to Figs. 1, 8, and 9, the metallic sockets *s*, are utilized to pivotally connect one, say S², to the other members S′, S³, the free ends of the two latter being coupled together when the button *e*, of one of the extension arms E, is inserted through a hole in one (the lower) part and into a socket *s*, in the other (the upper) part as the ends overlap with said hole and socket in coincidence, as shown in Fig. 15. Thus constructed the sections S′, S², S³, of the top can be readily detached from the extension arms E, and folded in alinement with each other as in Figs. 8, and 9, thus occupying the least possible space for storage or transportation. Or instead of the folding top sections S′, S², S³, a top S×, of canvas or other flexible material may be substituted if preferred, formed with button or eyelet holes, $s^\times$, for engagement with the buttons *e*, on the extension arm E, as indicated in Fig. 11, before referred to in this connection.

The legs L, are sustained in their extended position by reason of the contact of the upper ends of the bars *l*, *l*, with an inner surface or wall m^3, of the medial fulcrum member M, as shown in Fig. 6, and in similar manner the extension arms E, are limited and positioned when swung upward by contact with shoulders m^4, on said medial fulcrum member M,—the coupling of the upper ends of the extension rods with the top sections S′, S², S³, as hereinbefore provided for, locking the rods E, E, in such extended position. Or if preferred each extension arm E, may be formed with a shoulder *e″*, to contact with a cross bar l^3, attached to and extending between the rods *l*, *l*, at the rear thereof, as shown in Fig. 7, thereby locking the legs in extended position.

My device when set up for use affords a substantial rigid support for the purpose intended; and when disconnected and folded together comprises only two parts,—the top, and the medial fulcrum member, with its legs and extension arms. These two parts may be packed together so as to occupy but little space; and being made of light weight, may be conveniently carried or transported, or stowed away until desired for actual use.

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

In a device of the character designated, a medial fulcrum member, legs and extension arms pivotally mounted on said member for extension in opposite directions, a seat member composed of foldable sections, metallic socket members pivotally connecting said sections at their ends and button members on the free ends of said arms engageable in said socket members.

ORAZIO PASCALE.

Witnesses:
ROSIE O. PASCALE,
GEO. WM. MIATT.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."