

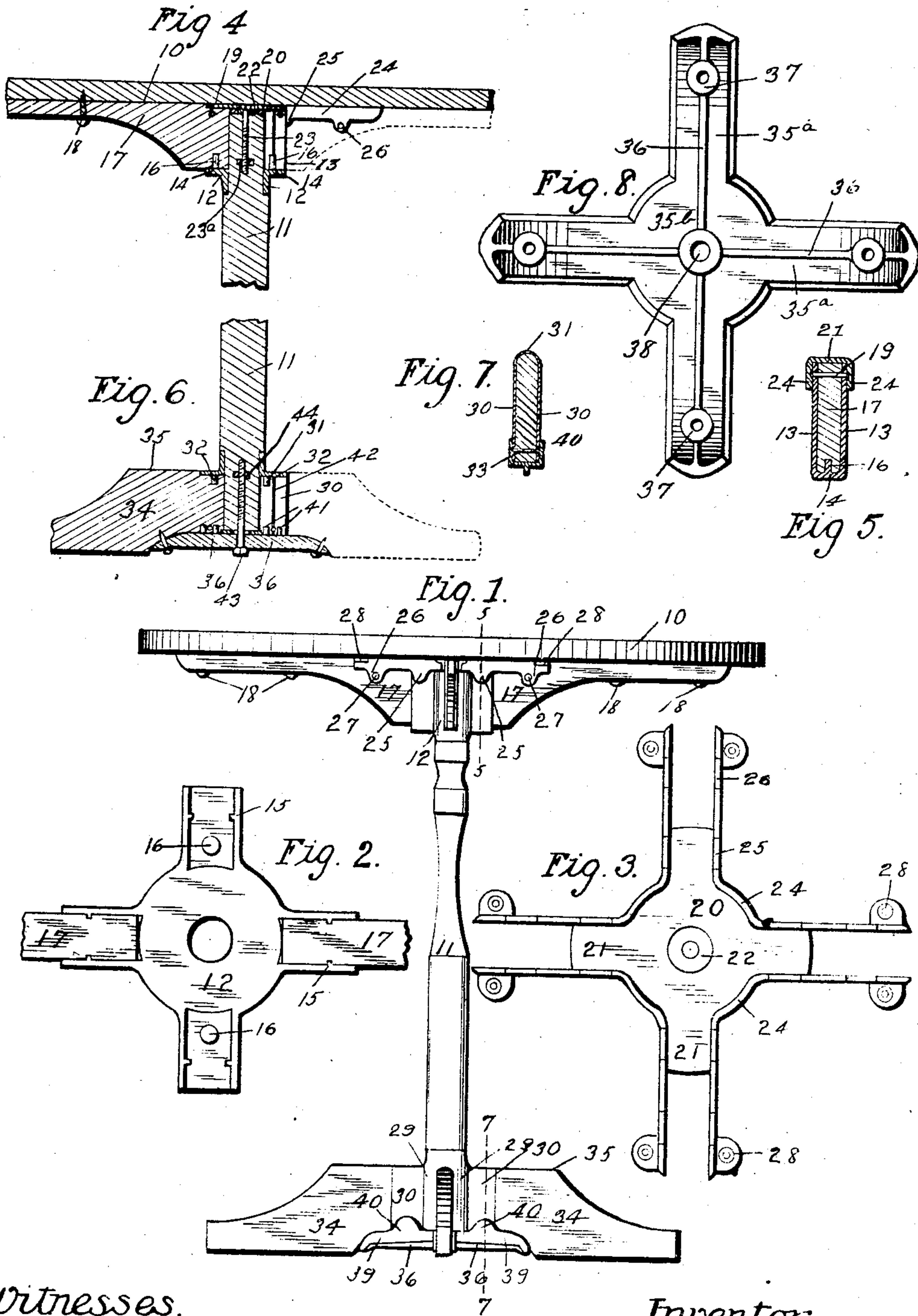
No. 868,153.

PATENTED OCT. 15, 1907.

A. AUCHLY.

TABLE.

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TABLE.

No. 868,153.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, ALBERT AUCHLY, a citizen of the United States, residing at Montgomery City, in the county of Montgomery and State of Missouri, have invented a certain new and useful Table, of which the following is a specification.

My object is to provide a table of the light-weight, portable, type and that is simple and inexpensive in construction and especially designed with a view to great strength and rigidity and to the convenience of the user.

My invention consists in the construction, arrangement and combination with a table top and a single central upright, of the means for connecting the table top to the upright and the means for connecting the upright to a base, as hereinafter more fully set forth, pointed out in my claims and illustrated in the accompanying drawings, in which—

Figure 1 shows a side elevation of a complete table embodying my invention. Fig. 2 shows an enlarged detail plan view of the socket for connecting the central upright with the top. Fig. 3 shows an inverted detail plan view of the bracket for connecting the upright with the table top and socket. Fig. 4 shows an enlarged detail sectional view through the table top, the upper end of the central support, the socket for connecting said parts and one of the braces. Fig. 5 shows a sectional view on the line 5—5 of Fig. 1. Fig. 6 shows an enlarged detail sectional view of the bottom portion of the upright, a part of the base, the socket for connecting said parts, and one of the braces. Fig. 7 shows a sectional view on the line 7—7 of Fig. 1, and Fig. 8 shows a bottom view of the lower bracket.

Referring to the accompanying drawings, I have used the reference numeral 10 to indicate the table top which is of circular form and is preferably made of light thin wood.

The numeral 11 indicates a central table support the upper end of which is projected into a socket which socket serves to connect it with the braces of the table top. This socket comprises a cylindrical body portion 12 designed to receive the upper end of the table support 11. The top of the socket is closed but is provided with a central opening. Radiating from four sides of the socket are the table top brace receptacles, each of which comprises two side walls 13 and a bottom 14. Formed on the inner face of each of the walls 13 is a vertical rib 15 and extending upwardly from the bottom 14 is a pin 16. A table top brace is provided for each of said receptacles and is indicated by the numeral 17. Its end is fitted between the sides 13 of the receptacle and is provided with grooves to receive the ribs 15 and with an opening to receive the pin 16. Each brace is connected to the table top by means of a screw 18 and each brace is also connected with the

brace receptacle by means of a screw 19 passed through the walls 13 and through the brace.

I have provided additional means for firmly and immovably connecting the upper socket and table top braces with the table top as follows: In Fig. 3 is illustrated a bracket comprising a disk-shaped plate 20 having a flat top and designed to rest against the under surface of the table top. Radiating from the disk are four arms 21 to overlap the tops of the brace receptacles. At the center of the disk 20 is a downwardly projecting cylinder 22 to enter the opening in the top of the socket. A bolt 23 is passed through this cylinder 22 and seated in a nut 23^a in the top of the support 11. Extending downwardly from the margins of the disk 20 and arms 21 are the flanges 24 to overlap the top of the socket and the top of the brace receptacles. These margins are extended outwardly to points beyond the arms 21 and are provided with lugs 25 to cover the screws 19 and with perforated lugs 26 to receive screws 27 passed through the braces. They are also provided with perforated lugs 28 to receive screws that extend upwardly into the table top. In this way the joints and some of the screws are concealed and the parts are firmly and immovably held together.

At the base of the support 11 is a second socket, which comprises a cylindrical body portion 29 with four radial foot brace receptacles, each of which comprises two side walls 30 and a closed top 31. Projecting downwardly from the top 31 is a pin 32. An opening is formed in the bottom of the socket to receive a screw. In each foot brace receptacle is a screw 33 extending through the side walls thereof near the bottom of the receptacle. The foot braces are indicated by the numeral 34 and each has a flat top 35 and its lower edge is arched or curved upwardly at its inner end.

I have also provided a supplemental bracket for the base. This bracket comprises a disk-shaped central portion 35^b having four radial arms 35^a with their outer ends curved downwardly. On the bottom of each arm is a rib 36 and extended through each rib is a screw opening 37 near the outer end of the arm and a central screw opening 38 at the center of the plate 34. Around the plate 34 and along the sides of the arms 35^a are the upturned flanges 39 to receive and overlap the edges of the socket and foot brace receptacles. These flanges are each provided with lugs 40 to overlap and hide the screws 33. On the upper face of each of the arms 35^a are two upwardly projecting pins 41 and on the inner face of each of the walls 30 is a vertical rib 42. In assembling the base and socket, the foot braces are first properly shaped and then fitted into the brace receptacles. Then the bracket is placed in position with its pins 41 entering the foot braces and its flanges 39 overlapping the sides of the socket and the brace receptacles. Then screws are passed through the openings 37

in the bracket into the foot braces and a bolt 43 is passed through the opening 38 into a nut 44 in the upright 11. In this way the parts are firmly and immovably held together.

- 5 Heretofore tables of the light, portable, type have usually been provided with legs at the corners and no way was provided for the user to place his feet upon the table legs in such a way as to hold the table against tilting movements. One of the advantages of my improved table is that the foot braces are so arranged that the user may place his feet astride of the central upright and upon the foot braces and thus firmly hold the table to position. The structural advantage of the particular form of sockets and brackets will be readily seen as they are so arranged as to provide a maximum of strength and rigidity with a minimum of weight.

Having thus described my invention, what I claim and desire to secure by Letters Patent of the United States, therefor is—

- 20 1. In a table, the combination of a table top, a central standard, a socket-piece secured to the standard and provided with radial table top brace receptacles, table top braces fixed in said receptacles, and a bracket fixed to the table top and to each of the braces.
- 25 2. In a table, the combination of a table top, a central standard, a socket-piece secured to the standard and provided with radial table top brace receptacles, table top braces fixed in said receptacles, and a bracket fixed to the table top and to each of the braces, said bracket formed with a flange to overlap the upper portion of the socket-piece and said brace receptacles.
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3. In a table, the combination of a table top, a central standard, a metallic socket-piece fitted to the standard, and formed with radial brace receptacles, each having two side walls and a bottom, said side walls having vertical ribs on their inner faces and said bottom having an upwardly projecting pin, braces fitted in said receptacles and screwed to the table top and a bracket shaped to cover the socket-piece and brace receptacles, provided with screw openings to admit screws into both the table top and the braces and also provided with flanges for overlapping the sides of the socket-piece and receptacles.

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4. In a table, a central standard, a socket-piece fitted to its lower end and formed with radial foot brace receptacles, foot braces fitted therein, each having its inner end portion arched and a bracket fitted to the bottom of the socket piece and brace receptacles, and curved to conform to the arched braces, and a screw passed through the bracket into the standard.

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5. In a table, a standard, a metallic socket-piece fitted to the standard, and formed with four radial foot brace receptacles, each having two sides and a top, the sides having vertical ribs on their inner faces and the tops each having a downwardly projecting pin, foot braces fitted in said receptacles, screws passed through the walls of the receptacles and through the braces, and a bracket comprising a central disk, four radial arms, said disk and arms provided with screw openings and flanges on the disk to receive the bottom of the socket-piece and flanges on the arms to receive the lower edges of the braces, said arms each having a pin on its upper face to enter the brace.

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Des Moines, Iowa, January 2, 1906.

ALBERT AUCHLY.

Witnesses:

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