B. BOESWINKLE.

FOLDING TABLE.

APPLICATION FILED AUG. 8, 1908.

920,253.

Patented May 4, 1909.

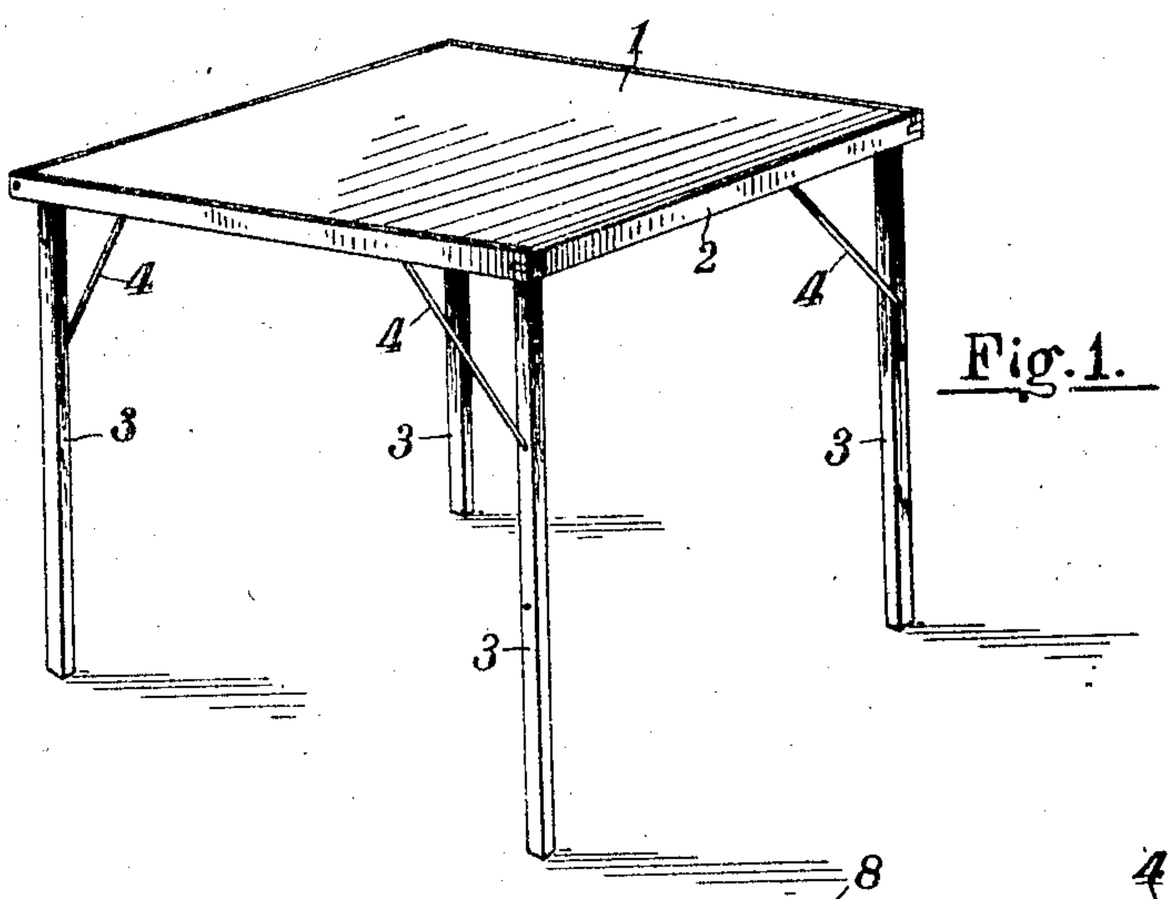

Fig. 1.

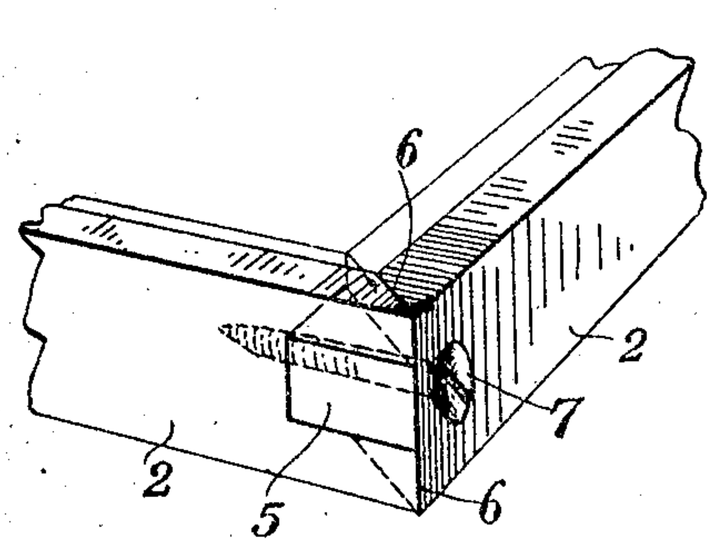

Fig. 5.

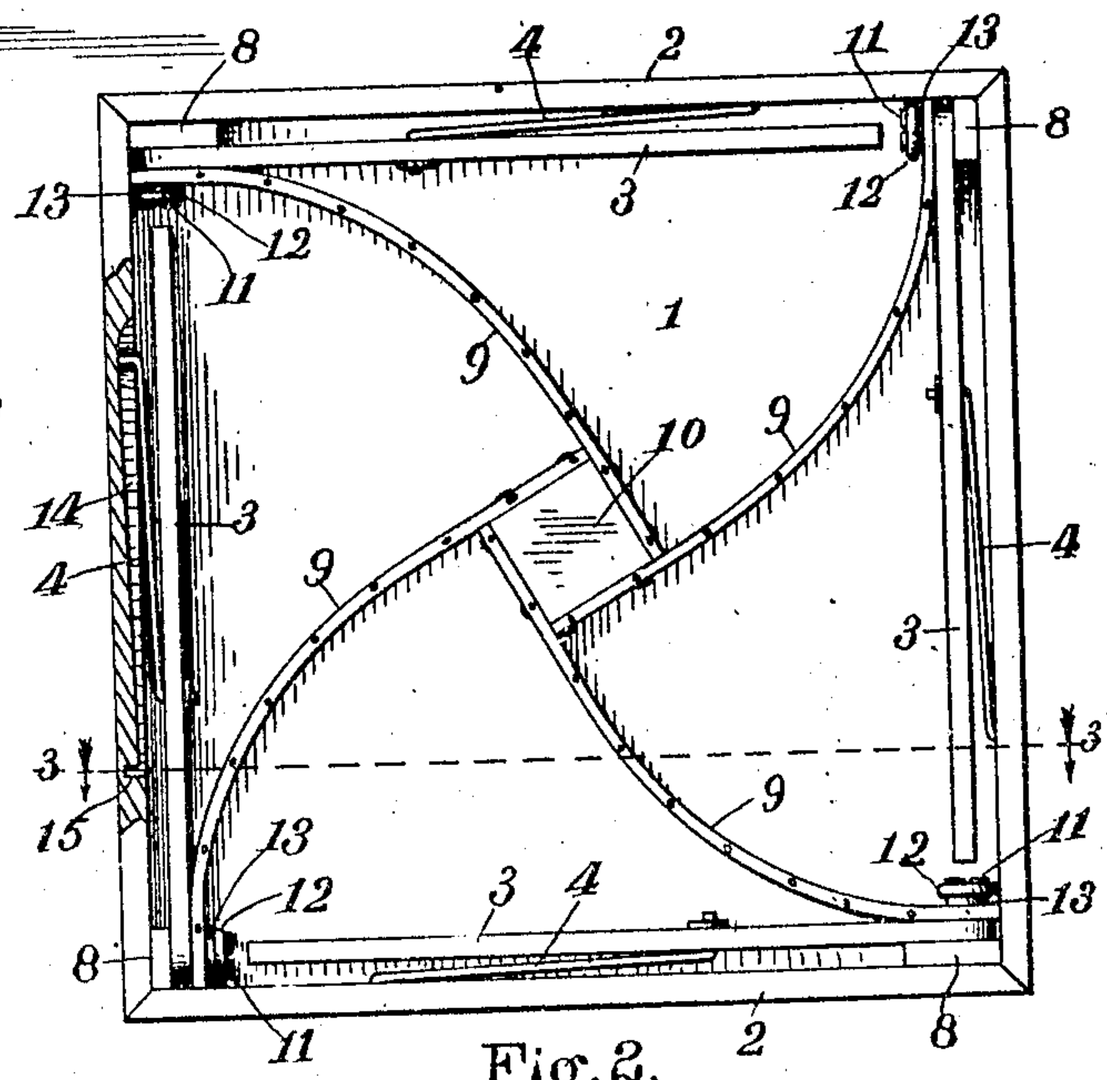

Fig. 2.

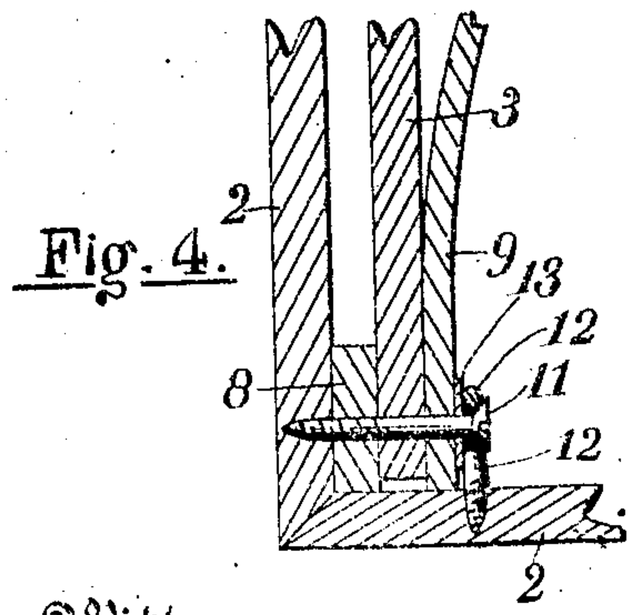

Fig. 4.

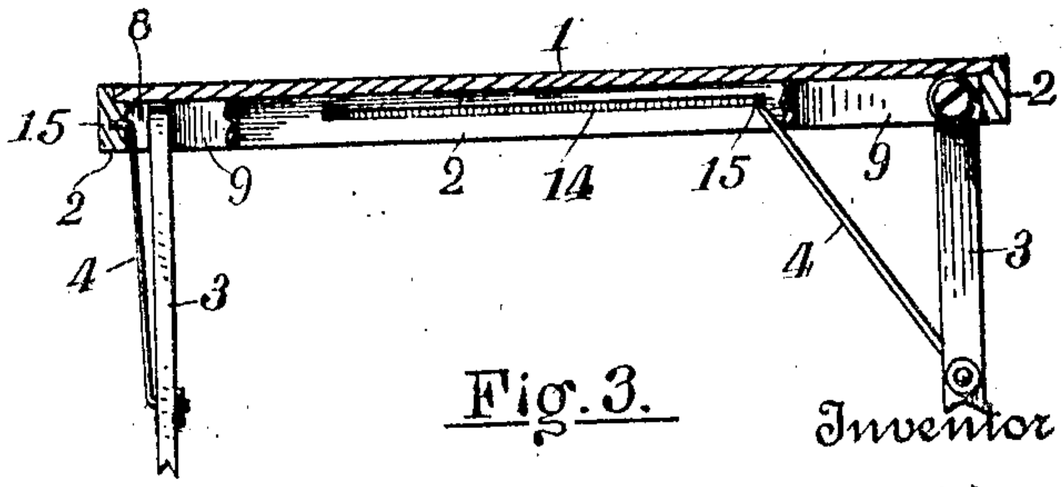

Fig. 3.

Witnesses
V. C. Van Antwerp.
Georgana Chace

Inventor
Bernard Boeswinkle
By Luther V. Moulton
Attorney

UNITED STATES PATENT OFFICE.

BENARD BOESWINKLE, OF GRAND RAPIDS, MICHIGAN

FOLDING TABLE.

No. 920,253. Specification of Letters Patent. Patented May 4, 1909.

Application filed August 8, 1908. Serial No. 447,585.

To all whom it may concern:

Be it known that I, BENARD BOESWINKLE, a citizen of the United States of America, residing at Grand Rapids, in the county of Kent and State of Michigan, have invented certain new and useful Improvements in Folding Tables; and I do hereby 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.

My invention relates to improvements in folding tables and its object is to provide improved means for pivoting the legs; to provide improved bracing mechanism for the same; to provide improved framing for the top, and to provide the device with various new and useful features hereinafter more fully described and particularly pointed out in the claims, reference being had to the accompanying drawings, in which:

Figure 1 is a perspective of a device embodying my invention; Fig. 2 an inverted plan view of the same with the legs folded; Fig. 3 a vertical section of the device taken on the line 3—3 of Fig. 2 with the legs opened out for use; Fig. 4 an enlarged detail in horizontal section of the pivot mechanism of one of the legs; and, Fig. 5 an enlarged detail of one corner of the frame.

Like numbers refer to like parts in all of the figures.

1 represents a flat thin top to the table, preferably of laminated veneer or narrow matched boards. 2 a frame surrounding the top and projecting downward therefrom, and also securely attached thereto.

3 are legs pivoted under the respective corners of the table.

4 are brace rods each pivoted at one end to the respective leg and having an outwardly projecting opposite end traversing a groove 14 in the inner surface of the frame. At one end of this groove is a recess 15 to receive and hold the outwardly turned end of the brace rod, when the leg is turned to vertical position, and the brace is preferably inclined outwardly from the leg, whereby it springs inward and is retained by its resiliency within the recess 15, when the legs are turned vertical and is partially relieved from tension when the legs are folded. At each corner, the frame 2 is joined by a miter joint 6 having in its middle portion a tenon 5 through which extends a screw or other fastening 7, thus forming a very substantial corner joint.

To space each leg apart from the inner surface of the frame to afford room for the brace 4, therebetween, corner blocks 8 are inserted within the frame and attached thereto.

The top is strengthened and supported by curved strips 9 which extend at their outer ends parallel with the blocks 8, and between which blocks and strips the respective legs are inserted and pivotally secured by screws 11, extending through the strips, legs, and block and into the frame. The screws are further supported by screw eyes 12, surrounding the heads thereof, and washers 13 are inserted between the screw eyes and strips 9. The strips 9 are each curved toward the center of the table and secured to the respective sides of a small square block 10 attached to the under side of the table at the center thereof. These strips 9 are also secured to the table top, and thus serve to support and strengthen the same, and at the same time at their outer ends form embracing members for the legs and supports for the pivot screws 11. I am thus able to provide a very strong and reliable fastening for the pivoted legs which as usually pivoted are liable to become detached or out of order on account of the weakness of the pivot mechanism. It will also be noted that the downwardly projecting frame surrounds the legs, strips 9, and block 10, which are all within the plane of the frame when folded, thus providing a very compact and symmetrical structure; also that the brace rods are simple, strong, and automatic in operation.

What I claim is:—

1. A table comprising a top, a frame attached to the margins of the top and projecting downward therefrom, curved strips attached to the top and within the frame each strip having its outer end parallel with the frame and spaced apart therefrom and having its inner end extended toward the center of the top, legs pivoted between the outer ends of the strips and the frame, and braces adjustably connecting the respective legs with the frame.

2. A table comprising a top, a frame attached to the top and extending downward therefrom, curved strips having their outer ends near the corners of the frame and spaced apart therefrom, corner blocks in the respective corners of the frame and opposite the ends of the strips, a rectangular block attached to the center of the top said strips being curved inward at their inner ends and at-

tached to the respective sides of the block, legs pivoted between the outer ends of the strips and the corner blocks, and braces adjustably connecting the respective legs with the frame.

3. A table comprising a top, a square block attached to the center of the top, a frame attached to the margin of the top, curved strips attached at their inner ends to the block and having their outer ends abutting against the frame and laterally spaced apart therefrom, legs pivoted between the outer ends of the strips and the frame, and braces adjustably connecting the respective legs and the frame.

4. A table, comprising a top, a frame attached to the top and projecting downward therefrom, a block inserted within the corner of the frame, a curved strip having one end parallel with the block and spaced apart therefrom and the other end extending inward toward the center of the table top and attached thereto, a leg pivoted between the block and strip, a pivot screw extending through the strip, the leg, and the block, and into the frame, a screw eye supporting the head of the screw and inserted in the frame, and a brace adjustably connecting the leg and frame.

5. A folding table, comprising a top, a frame attached to the top and extending downward therefrom, a block in each corner of the frame, curved strips each extending from a position opposite one of the blocks and spaced apart therefrom to near the center of the table top and on the under side of the same, a center block attached to the table top to which block the strips are attached said strips also being attached to the top, legs pivoted between the respective blocks and the outer ends of the strips, pivot screws extending through the strips, and the legs, and the blocks, and into the frame, screw-eyes engaging the heads of the screws and inserted in the frame, and braces adjustably connecting the legs with the frame.

In testimony whereof I affix my signature in presence of two witnesses.

BENARD BOESWINKLE.

Witnesses:
PALMER A. JONES,
MINNIE JOHNSON.