

H. G. W. OTT.
FOLDING EXTENSION TABLE.
APPLICATION FILED APR. 11, 1907.

950,340.

Patented Feb. 22, 1910.

2 SHEETS—SHEET 1.

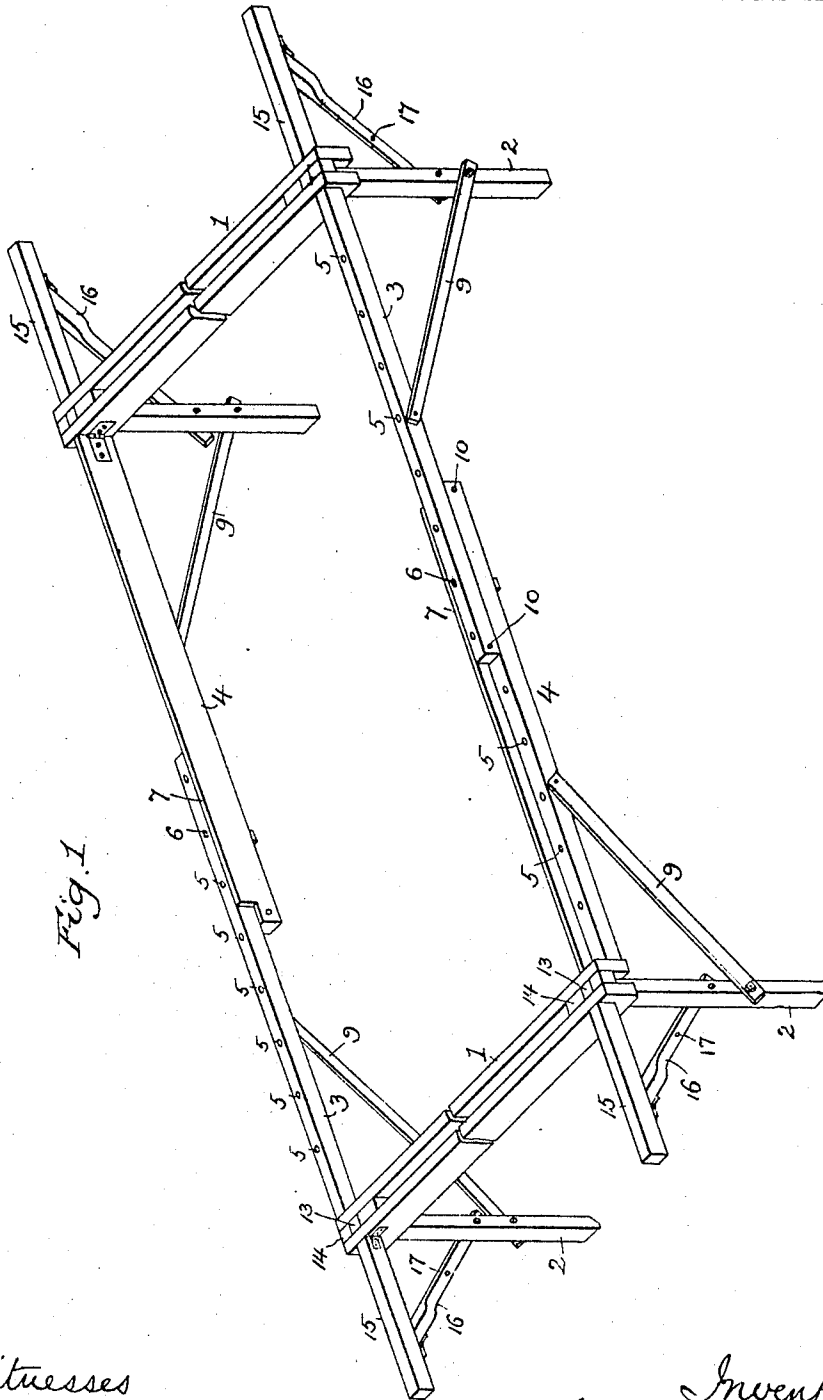


Fig. 1.

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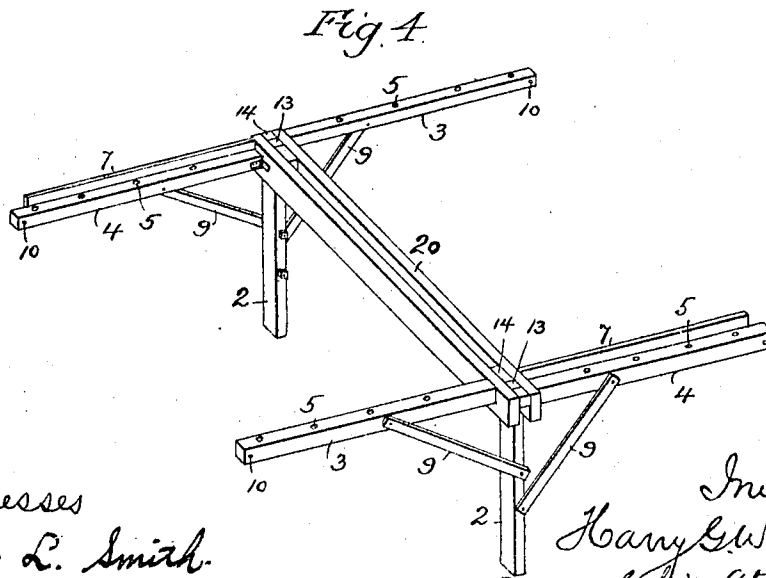
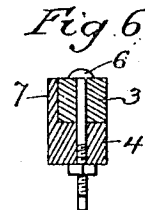
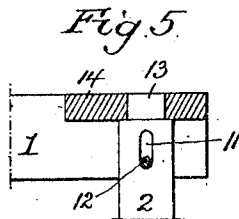
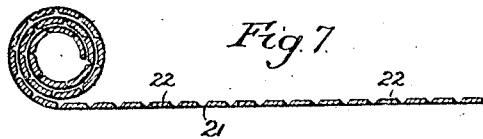
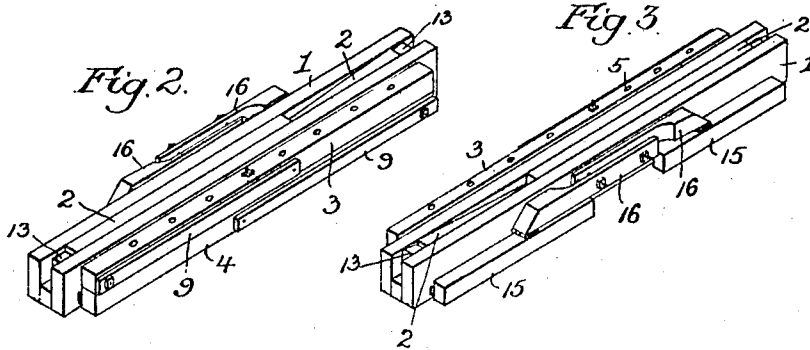
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2 SHEETS—SHEET 2.



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UNITED STATES PATENT OFFICE.

HARRY G. W. OTT, OF PHILADELPHIA, PENNSYLVANIA.

FOLDING EXTENSION-TABLE.

950,340.

Specification of Letters Patent.

Patented Feb. 22, 1910.

Application filed April 11, 1907. Serial No. 367,654.

To all whom it may concern:

Be it known that I, HARRY G. W. OTT, a citizen of the United States, residing in Philadelphia, Pennsylvania, have invented certain improvements in Folding Extension-Tables, of which the following is a specification.

The object of my invention is to provide an extension table which can be folded into very small compass for transportation or storage, the frame of the table being such that it can be readily set up or taken down, and, when set up for use, presenting a strong and rigid structure well calculated to withstand all of the strains to which it is likely to be subjected.

In the accompanying drawings—Figure 1 is a perspective view of the frame of the table set up for use and ready to receive the table top; Figs. 2 and 3 are perspective views of the two parts of the frame as they appear when folded; Fig. 4 is a perspective view of a supplementary or intermediate frame which may be employed when a table of extra length is desired; Figs. 5 and 6 are sectional views, on a larger scale, of parts of the frame of the table, and Fig. 7 is a sectional view of the table top partly extended and partly rolled up.

The main elements of the table frame are the end bars 1, each having legs 2 pivoted to it and each having hinged to its inner side a pair of side bars 3 and 4, one of said side bars being hinged at one end of the bar 1 and the other at the opposite end of the same. Each of the side bars 4 is grooved or recessed to receive the side bar of the opposite end bar, when said side bars 3 are extended and the two end frames are connected together thereby, as shown in Fig. 1, each of the side bars having formed in it suitably spaced vertical openings 5 for the reception of a locking bolt 6 which is passed through registering openings in the two bars when the frame has been sufficiently extended, longitudinal stiffness of the connected frames being insured because of the fact that the portion of each bar 3 which overlaps the bar 4 has a side bearing against the flange 7 which is produced by the grooving or recessing of said bar 4, as shown in Fig. 1. Each side bar 3 also fits into the groove or recess of the corresponding side bar 4, when said bars are folded against the inner face of the end bar, as shown in Figs. 2 and 3. The side bars of

each frame, when extended, are rigidly braced to the legs 2 by means of diagonal brace bars 9 pivoted to the side bars and connected to the legs by detachable bolts and nuts, which may also be used for securing the braces to the side bars when they are folded against the latter, said side bars being provided with openings 10 for this purpose. The end bars of the table frame are so constructed as to provide a space into which the legs 2 can be folded, each of said legs being slotted, as shown at 11, in Fig. 5, for the reception of the pivot pin 12, and being provided at the top with a tenon 13 which, after the leg has been swung around into vertical position, can be pushed up into a mortise in a strip 14 with which the end bar is provided. Each of the end bars 1 of the table frame also has hinged to it outer side bars 15, as shown in Fig. 1, and these bars when extended can be connected to the legs 2 by means of diagonal brace bars 16 hinged to the bars 15 and connected to the legs by suitable bolts and nuts, which also serve to secure the braces together when the bars 15 are folded in against the end bars as shown in Fig. 3, the braces then overlapping as there shown, and each brace having an extra opening 17 for receiving the bolt normally carried by the other brace.

When a table of extra length is desired, I prefer to use, in connection with the end bars 1 and their side bars 3 and 4, an intermediate bar 20, having hinged side bars 3 and 4 projecting from each side of the same, said intermediate bar also having pivoted legs 2 and the side bars having diagonal braces 9 whereby they are connected to said legs when extended, as shown in Fig. 4. This provides a central support for the extension frame and prevents any sagging of the same, which might otherwise take place.

In connection with the folding extension table frame I use a table top consisting of a backing 21 of canvas or other flexible material, to the face of which are secured narrow transverse strips 22 of wood, or other suitable material, this construction providing a substantial top which can be readily rolled up into small space when not in use.

An extension frame such as that which I have shown and described provides a table almost four times as long as its width, or as much shorter as may be desired, while, when the frames are folded, it occupies a

space no longer than the end frame or width of the table and only about twice as wide as said end frame, as shown in Figs. 2 and 3, hence the frame can be stored in very small space and the table is therefore specially adapted for picnic parties, since the folded frames are not too bulky to be carried by hand and they can be easily stowed away in a boat, carriage, or other vehicle.

I claim:—

1. A folding extension table frame comprising a pair of end bars each having a pair of legs hinged thereto so as to fold up against the end bar or project downwardly therefrom, and a pair of side bars each hinged to the end bar so as to be extended at a right angle thereto or folded against the side of the end bar, means for securing together the overlapping portions of the side bars of opposite end bars when the said side bars are extended, and folding braces for connecting the extended side bars with the downwardly extended legs.

2. A folding extension table frame comprising a pair of end bars, two pairs of side bars hinged thereto, one pair adapted to fold against the outer face of said end bar and the other pair against the inner face of the same, the inner side bars, when extended, overlapping the side bars of the opposite end bar, and means for securing together

said overlapping portions of the inner side bars in different positions of adjustment in respect to each other.

3. A folding extension table frame comprising a pair of end bars, each equipped with side bars adapted to fold against its inner face, and to be swung outward so as to overlap the corresponding side bars of the other end bar, one of said side bars being recessed for the reception of the side bar to which it is connected, when extended, and for the reception of the other side bar of the same end bar when said side bars are folded against the latter.

4. A folding extension table frame comprising a pair of end bars, each equipped with side bars adapted to fold against its inner face and other side bars adapted to fold against its outer face, means for connecting the inner side bars of one end bar to those of the other end bar when said side bars are extended, folding legs on each end bar, and pivoted braces for connecting said legs to the side bars when all of them are extended.

In testimony whereof, I have signed my name to this specification, in the presence of two subscribing witnesses.

HARRY G. W. OTT.

Witnesses:

HAMILTON D. TURNER,
KATE A. BEADLE.