J. O. JOHNSON.

EXTENSION TABLE.

APPLICATION FILED MAR. 29, 1909.

945,955. Patented Jan. 11, 1910.

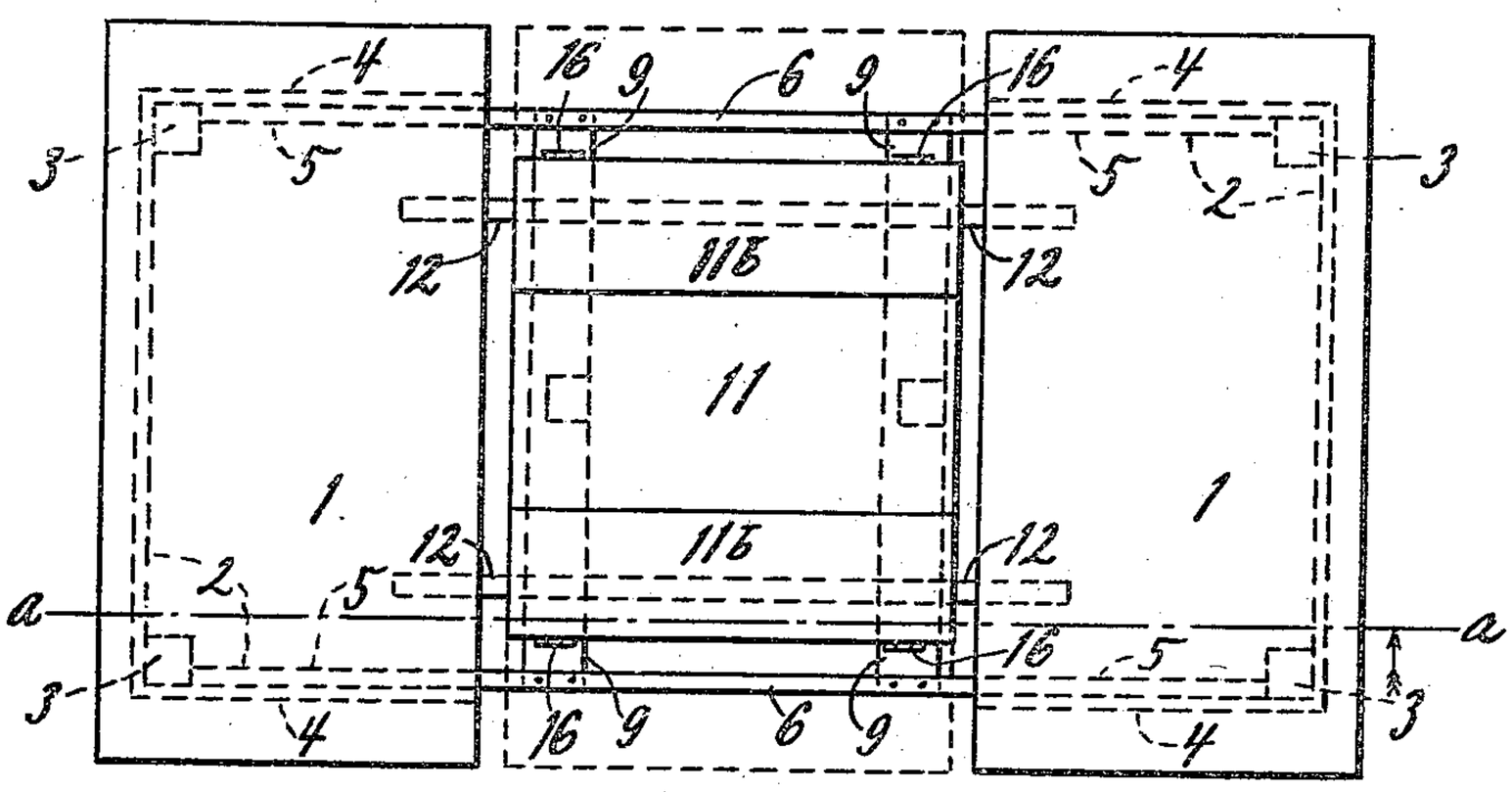

FIG. 1.

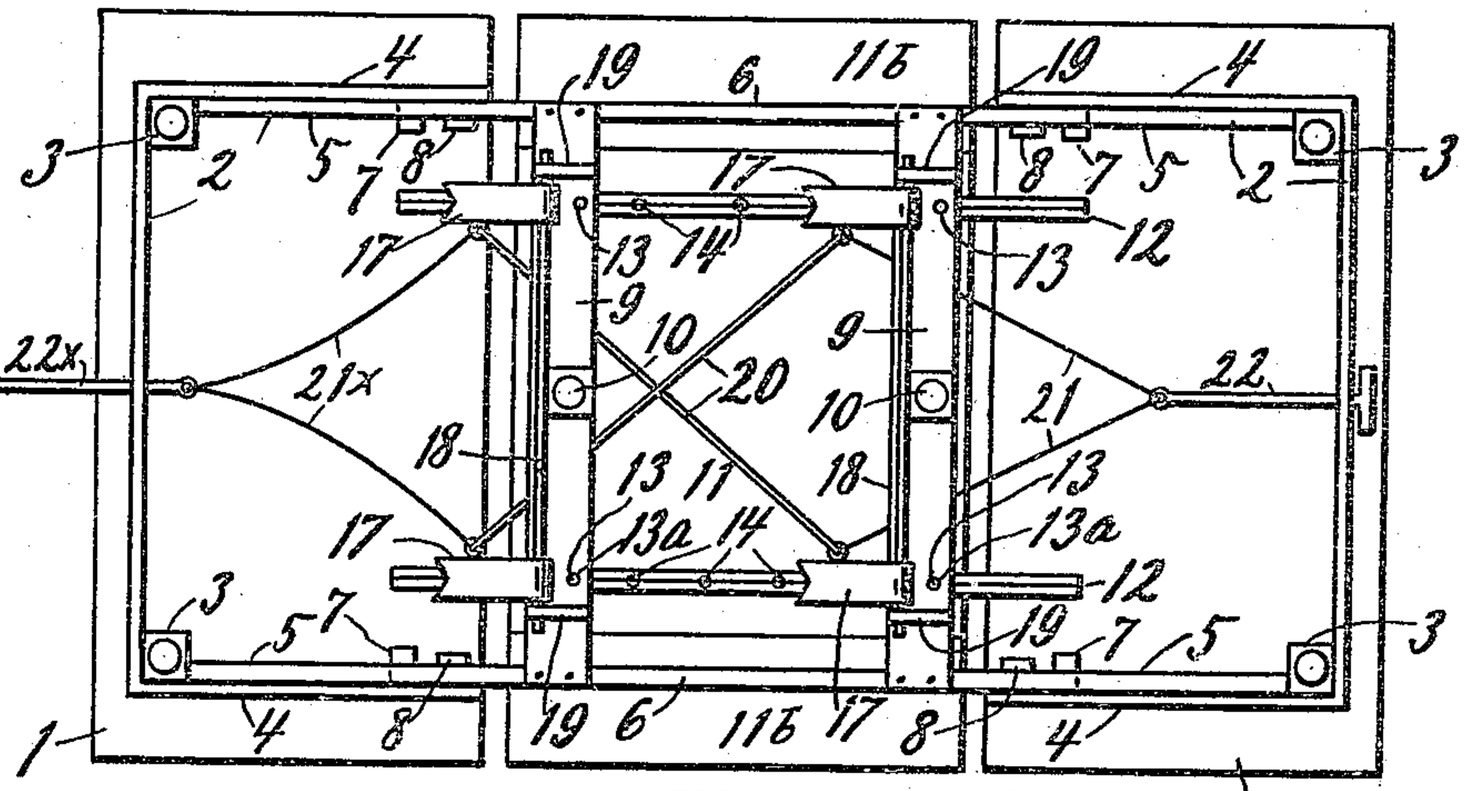

FIG. 2.

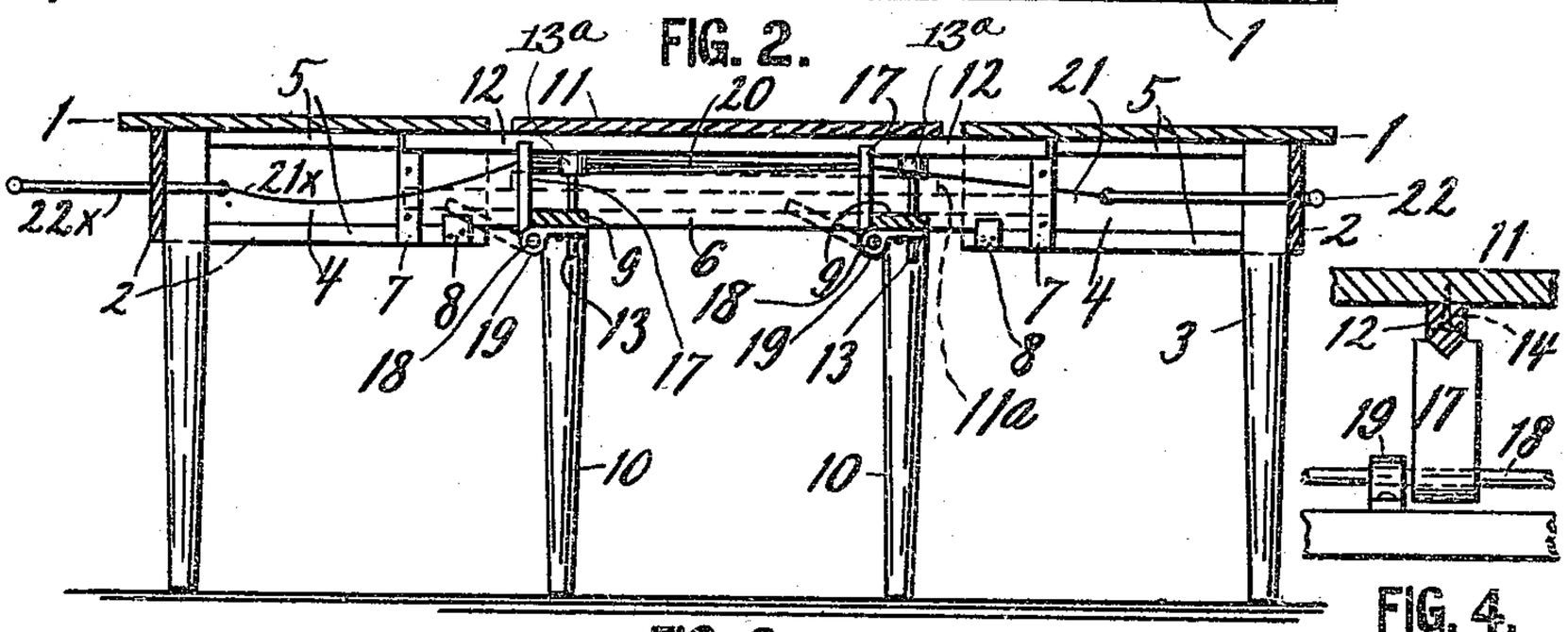

FIG. 3.

FIG. 4.

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EXTENSION-TABLE.

945,955. Specification of Letters Patent. Patented Jan. 11, 1910.

Application filed March 29, 1909. Serial No. 486,306.

To all whom it may concern:

Be it known that I, JOHN OSCAR JOHNSON, a citizen of the United States, residing at Burtrum, in the county of Todd and State of Minnesota, have invented a new and useful Extension-Table, of which the following is a specification.

My invention relates to improvements in extension tables of the class in which the middle section telescopes into each of the end sections; and the object is to provide an easily adjustable, simple and efficient table of said kind.

In the drawing: Figure 1 is a top view of my improved table fully extended for raising the leaf of the middle section, the wings of which are shown as folded upon the leaf, and shown in dotted lines in the unfolded position. Fig. 2 is a bottom view of Fig. 1 with the wings spread. Fig. 3 is a sectional view on line *a*—*a* in Fig. 1. Fig. 4 is an enlarged detail view of the leaf-raising means.

Referring to the drawing by reference numerals, 1 designates the leaf of each end section and is fixed to a frame 2 supported on two legs 3, and at the inner sides of the side rails 4 of said frame 2 are two parallel strips 5 between which the side rails 6 of the middle section of the table are adapted to slide. Upon the ends of each of said rails 6 is fixed a block 7 which stops against the block 8 on the main frame 2 to prevent separation of the frame sections (as best shown in Fig. 3).

The two side rails 6 of the middle section are secured together by two transverse frame bars 9, to the middle of which the legs 10 are fixed. The central leaf 11 is fixed by screws 14 upon two longitudinal rails 12 the shape of which in cross section appears in Fig. 4. In said rails 12 are fixed vertical pins 13 which being guided by holes 13^a in the bars 9 insure vertical movement of the center leaf 11 and its rails 12. The latter parts are lowered by their gravity until the leaf is as low down as at 11^a in Fig. 3 when shoulders 13^a on the pins 13 stop upon the cross rails 9, and support the center leaf so low down that its wings 11^b, which are hinged to the leaf at 16, may be folded upon the main portion of the leaf and pass into the end sections of the table when they are pushed together.

When the end sections are pulled apart, as shown, the wings 11^b are first unfolded outward and then the entire leaf is raised to a level with the leaves of the end sections and the three sections are pushed close together to form the extended table.

The center leaf and its rails 12 are raised to said position with the rails 12 bearing under the end leaves. This elevating is accomplished by using four props 17 secured two on each of the pintles 18 journaled in blocks 19 pivoted to the transverse rails 9. Said props are pivotally connected together by crossed link braces 20 so as to work in unison when they are raised to vertical position by cords 21 and a pulling piece 22. Similar cords 21^x and handle 22^x are located in the other end of the table for the purpose of pulling the props 17 to the inclined position, (see Fig. 3) thus lowering the center leaf and allowing the end sections to be pushed together over it.

Having thus described my invention and its operation, what I claim is:

1. In an extension table, a frame supported on legs and comprising a central section and two end sections slidable thereon, a fixed leaf on each end section, a vertically movable leaf supported on the middle section and having near each of the longer sides of the table a hinged portion adapted to be folded upon the leaf, said center leaf having affixed to its under side two supporting bars each with projecting ends beyond the leaf so as to engage the under sides of the fixed leaves when the table is extended, said bars also having vertical guide bars guided to slide vertically in the central section of the frame, and means for raising and supporting said center leaf when the table is extended, the latter means consisting of four props pivotally mounted on the middle section of the frame and adapted to support the bars of the central leaf, links connecting said props to make them all move simultaneously, a handle at the outer end of each end section and operative connection between said handles and the props so as to raise the props to vertical position by pulling on one handle, and throw them to an inclined position by pulling on the other handle.

2. In an extension table, a frame supported on legs and comprising a central section and two end sections slidable thereon, a fixed leaf on each end section, a vertically movable leaf supported on the middle section and having near each end of the

longer sides of the table a hinged portion adapted to be folded upon the leaf, said center leaf having affixed to its under side two supporting bars each with projecting ends beyond the leaf so as to engage the under sides of the fixed leaves when the table is extended, said bars also having vertical guide bars guided to slide vertically in the central section of the frame, and means for raising and supporting said center leaf when the table is extended, the latter means consisting of four props pivotally mounted on the middle section of the frame and adapted to support the bars of the central leaf, links connecting said props to make them all move simultaneously, a handle at the outer end of each end section and operative connection between said handles and the props so as to raise the props to vertical position by pulling on one handle, and throw them to an inclined position by pulling on the other handle, said supporting bars on the middle leaf having their lower sides V-shaped in cross section and said props having in their swinging ends V-shaped notches to fit said bars.

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

J. OSCAR JOHNSON.

Witnesses:

JOHN H. MERTZ,

E. N. SCOTT.