Aug. 12, 1924. 1,504,371

T. J. ORMEROD

COLLAPSIBLE TABLE

Filed Feb. 8, 1924

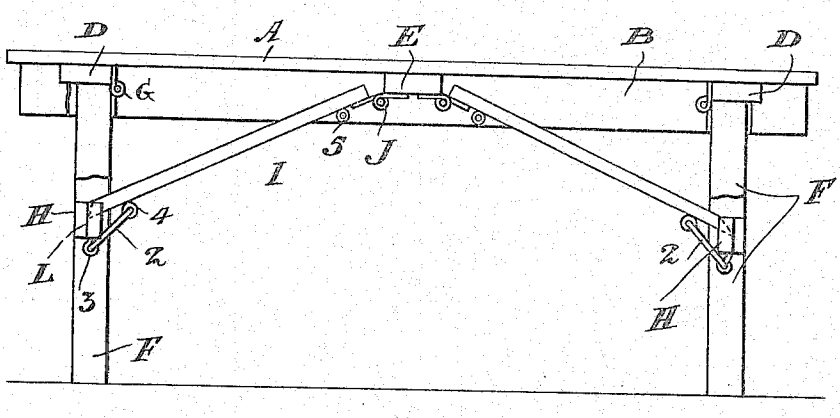


Fig. 1.

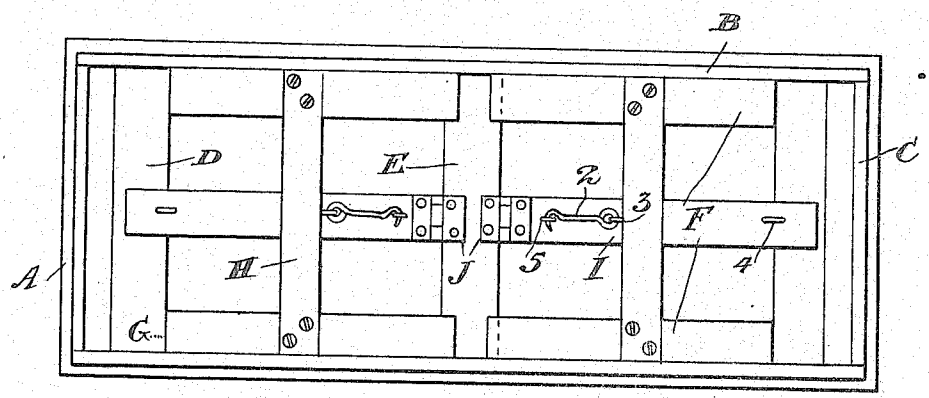


Fig. 2.

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UNITED STATES PATENT OFFICE.

THOMAS JOSEPH ORMEROD, OF TORONTO, ONTARIO, CANADA, ASSIGNOR OF ONE-HALF TO WALTER CLARK, OF TORONTO, ONTARIO, CANADA.

COLLAPSIBLE TABLE.

Application filed February 8, 1924. Serial No. 691,469.

To all whom it may concern:

Be it known that I, THOMAS JOSEPH ORMEROD, a subject of the King of Great Britain, residing in the city of Toronto, county of York, Province of Ontario, Canada, have invented certain new and useful Improvements in Collapsible Tables, of which the following is a specification.

My invention relates to improvements in collapsible tables, and the object of my invention is to design a table of the character set forth so that the parts supporting the table top can be readily folded thereunder when the table is not in use, and which supporting parts, when opened out, will firmly support the table top, and in the following specification I shall describe my invention, and what I claim as new will be set forth in the claim forming part of this specification.

Fig. 1 is a side elevation of the table with the supporting parts opened out; one of the side rails of the table being broken away as well as certain of the legs, to illustrate construction, and Fig. 2 is a plan of the underside of the table showing the supporting parts closed.

In the drawings, like characters of reference, refer to the same parts.

The table top proper may be constructed in various ways, and it will be understood that my invention does not concern itself specifically with the construction of the table top, except in so far as the construction thereof permits of the housing more or less therein of the supporting parts, so that these supporting parts will be more or less protected by the side and end rails of the table top when a number of collapsed tables are piled one on top of the other.

A convenient form of table top consists of the top covering A to which is suitably secured the side and end rails B and C, which are preferably of sufficient depth as to more or less house the supporting parts when the table is collapsed. Secured to the underside of the covering A are horizontal bars D and E, and to each of the end bars D is hinged a pair of legs F by any suitable hinging means G. These legs may be of any desired construction, and they are coupled together by tie bars H. Struts I are hinged at their inner ends as shown at J to the horizontal bar E, and the outer ends of these struts are adapted to rest in contact each with its tie bar H as shown at L, when the table is set up. It will be observed that the upper ends of the legs F, when opened out, rest in contact with the underside of the bars D, in which position they are held by the struts I. In order to positively hold the parts shown in position in Fig. 1, I couple the struts I each to its associated tie bar H by any suitable coupling means, such as hooks 2 flexibly coupled to each tie bar by an eye 3. The end of each of these hooks is disengageably coupled to its associated strut I as by means of eyes 4. The coupling means I use can readily unfasten so as to permit the struts I to be disengaged from the tie bars H to permit of the collapsing of the table. These struts fold into contact with the underside of the horizontal bars D, and the legs F and tie bars H then fold into the position shown in Fig. 2. The parts in this position are locked by means of the hooks 2 which are engaged with the eyes 5 carried by the struts I.

From what I have stated it is evident that while I provide a readily collapsed table, the construction I have disclosed permits the table top to be securely supported when the table is opened out for use, and without any likelihood of the supporting parts being unintentionally disengaged when the table is in use.

It will be observed that each pair of legs F is so pivotally associated with the table top that it swings inwardly towards the horizontal bar E when the table is collapsed, consequently these legs do not overhang the table top. Neither do the struts I project beyond nor overhang said table top when collapsed, and consequently the collapsed table may be handled freely without danger of breaking off any of the supporting parts.

The tie bars H are located in respect of their associated legs F substantially midway the height thereof, and therefore the struts I will not be long enough to project beyond the ends of the table top as stated.

The bars H are also preferably, though not essentially, offset in respect of the inner sides of the legs F, as this location of the bars permits the legs F and struts I to be more compactly folded in respect of the top of the table.

What I claim is:

In a table of the character set forth having a top covering provided on its underside near each end with a transverse horizontal

bar; a pair of tied legs hinged to each of the said horizontal bars so as to be moved inwardly towards the middle of the table when collapsed; a tie bar for each pair of legs substantially midway the length thereof; a middle horizontal transverse bar carried by the underside of said table covering; a strut hinged to each side of said middle horizontal bar and adapted to rest in contact each with its associated tie bar when the table is set up; coupling means carried by each of the said tie bars; coupling elements permanently coupled to each of the said struts near the lower and upper ends thereof; when the table is to be collapsed said coupling means being uncoupled from the coupling elements carried by the lower ends of said struts so as to permit of the disengaging of these lower ends with their associated tie bars, and the location of these struts between the top of the table and said tie bars when said legs are closed, the said coupling means being then coupled to the coupling elements carried by the upper ends of said struts to hold the various parts of the table rigidly in collapsed position, as set forth.

THOMAS JOSEPH ORMEROD.