F. HOPAIDASZKA.

TABLE.

APPLICATION FILED MAY 5, 1920.

1,381,837. Patented June 14, 1921.

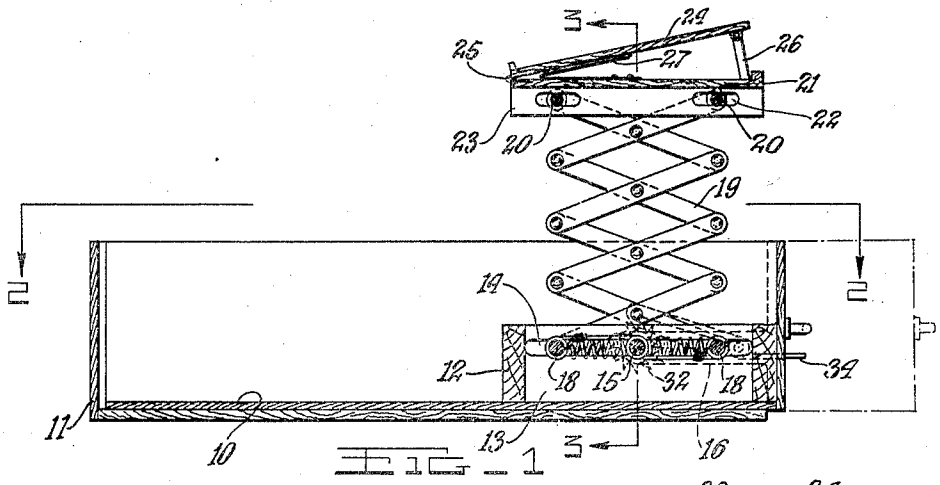


FIG. 1

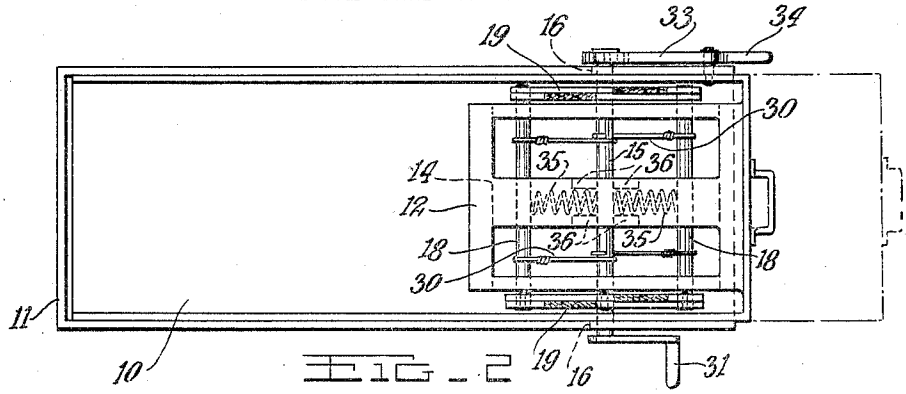


FIG. 2

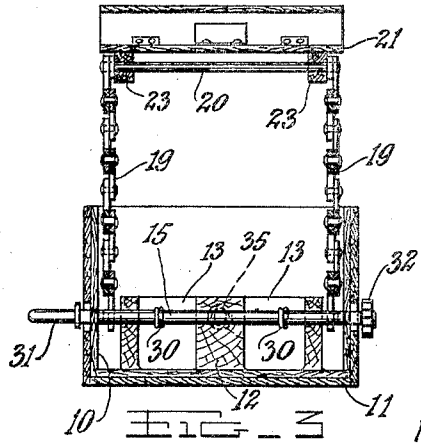


FIG. 3

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TABLE.

1,381,837. Specification of Letters Patent. Patented June 14, 1921.

Application filed May 5, 1920. Serial No. 379,018.

To all whom it may concern:

Be it known that I, FREDERICK HOPAIDASZKA, a citizen of Ruthania, residing at Cobalt, Province of Ontario and Dominion of Canada, have invented certain new and useful Improvements in Tables, of which the following is a specification.

This invention relates generally to tables, having more particular reference to a collapsible table which may be folded compactly when not in use.

The invention has for an object to provide a novel and simple arrangement of supporting means for the table capable of vertical extension to permit of ready raising or lowering of the table top upon its base or support.

For further comprehension of the invention, and of the objects and advantages thereof, reference will be had to the following description and accompanying drawings, and to the appended claims in which the various novel features of the invention are more particularly set forth.

Figure 1 of the drawings is a longitudinal vertical sectional view of a collapsible table constructed according to my invention.

Fig. 2 is a horizontal section on the line 2—2 of Fig. 1.

Fig. 3 is a transverse vertical section on the line 3—3 of Fig. 1.

As here shown my improved table is supported near one end of a telescopic box element 10 which fits slidably in an outer box element 11 which may rest upon the floor. Within this box element 10, at the outer end thereof, is fixed a flat block 12 having a pair of elongated rectangular apertures 13 spaced on opposite sides of the center line thereof, the sides of the block being spaced inwardly a short distance from the sides of the box. This block is formed with a horizontally disposed slot 14 which extends completely therethrough from side to side, being intersected by the vertical apertures 13. Extending through this slot transversely of the box is a shaft 15 whose ends project through and are journaled in the side walls of the box element 10, these projecting ends being accommodated in slots 16 in the side walls of the outer box element 11. Extending through and supported in the slot 14 on opposite sides of the shaft 15 are a pair of rods 18 whose opposite ends project into the spaces between the sides of the block 12 and the side walls of the box element 10.

Mounted upon the ends of these rods 18 are extensible legs 19 of the construction commonly known as lazy-tongs and comprising opposed diagonal bars pivoted together at their ends and centers, the bottom ends of the lowermost pair of bars being connected to the rods 18. Secured to and extending between the upper ends of corresponding top bars of the respective legs are other rods 20, these rods serving to support a table 21, being here shown as passing through slots 22 in cleats 23 upon which the table is fixed. The table may be provided with an adjustable top 24 here shown as hinged as at 25 to the side facing toward the opposite end of the supporting box. A leg 26 is hinged to the top 24 whereby the latter may be supported in an inclined position when desired, a spring 27 assisting in raising this top.

The table 21 is preferably raised by means of a series of ropes 30 which are secured at one end to the rods 18 and at opposite ends to the central shaft 15, around which they are adapted to wind when the shaft is rotated in the proper direction. To rotate the shaft 15 one of the projecting ends thereof is provided with a crank handle 31 while to prevent reverse rotation of the shaft, and thereby hold the table in raised position, a ratchet wheel 32 is fixed on the end of the shaft 15 and is engaged by a pawl 33 pivoted on the side wall of the box element 10, this pawl having a tail 34 by depression of which the pawl may be lifted from the ratchet wheel to allow the table to lower, the lowering movement of the table being accelerated by expansion springs 35 bearing between the bars and shaft, in the slot 14, these springs being held against displacement by means of retaining strips 36 extending across the slot.

The device may be conveniently used as an invalids' table, being conveniently kept under the bed when not in use. When it is to be used the box element 10 is drawn outwardly in the box element 11 sufficiently to allow the table 21 to clear the side of the bed. The crank handle 31 is then rotated causing the ropes 30 to wind on the shaft 15 and drawing the rods 18 toward one another, thereby extending the lazy-tong legs 19 and raising the table.

When the table is not needed the tail 34 on pawl 33 is depressed and the table is lowered, being completely in the confines of

its supporting box when in lowered position.

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

1. A table of the class specified, comprising a pair of horizontally telescoping box elements, a base block in one of said box elements, said base block having a horizontal slot extending therethrough from side to side and having vertical apertures intersecting said slots, a pair of rods movable transversely of themselves in the said apertures and having their ends projecting beyond the said block, lazy-tong legs secured to the ends of said rods, a pair of rods connecting the upper ends of said legs, a table proper having slotted cleats through which said rods extend, a shaft extending through the said block and the walls of the said box element, flexible members secured at one end to said first mentioned rods and adapted to wind on said shaft, and expansion springs interposed between said rods and said shaft.

2. A table of the class specified, comprising a pair of horizontally telescoping box elements, a base block in one of said box elements, said base block having a horizontal slot extending therethrough from side to side and having vertical apertures intersecting said slots, a pair of rods movable transversely of themselves in the said apertures and having their ends projecting beyond the said block, lazy-tong legs secured to the ends of said legs, a table proper having slotted cleats through which said rods extend, a shaft extending through the said block and the walls of the said box element, flexible members secured at one end to said first mentioned rods and adapted to wind on said shaft, and expansion springs interposed between said rods and said shaft, and a rotation handle and locking device on respective ends of the said shaft.

In testimony whereof I have affixed my signature.

F. HOPAIDASZKA.

Witnesses:
PEARL PRICE,
R. P. GRAHAM.