July 12, 1960 R. N. SELLON, JR 2,944,354

SUPPORTS FOR IRONING TABLES

Original Filed Nov. 2, 1953

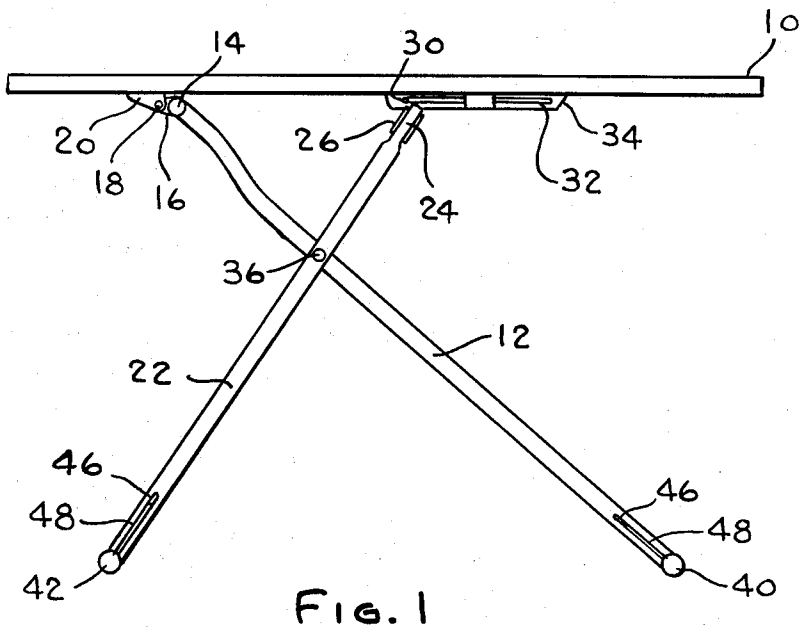


FIG. 1

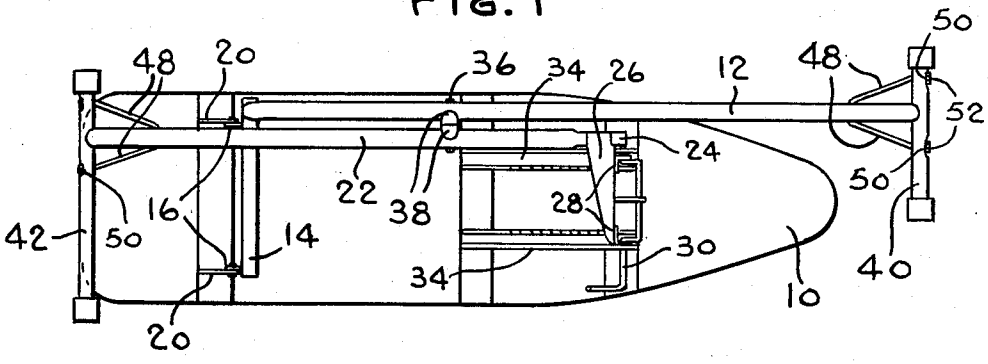


FIG. 2

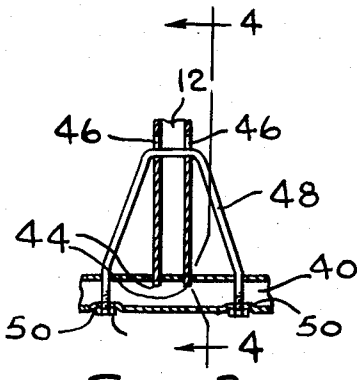


FIG. 3

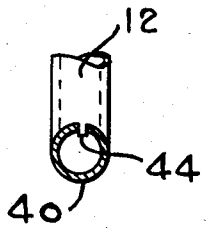


FIG. 4

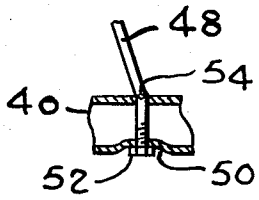


FIG. 5

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SUPPORTS FOR IRONING TABLES

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Original application Nov. 2, 1953, Ser. No. 389,802, now Patent No. 2,892,273, dated June 30, 1959. Divided and this application Mar. 6, 1957, Ser. No. 644,252

1 Claim. (Cl. 38—121)

This invention relates to improvements in supports for ironing tables and particularly for supports which are partially demountable to facilitate packaging.

This application is a division of application Serial No. 389,802, filed November 2, 1953, now Patent No. 2,892,273, granted June 30, 1959.

Such supports have front and rear legs crossed and interpivoted with the upper end of one leg hinged to the top of the ironing table and the upper end of the other leg slidably attached to such top. Room for the knees of the operator is provided by offsetting the supporting legs from the longitudinal center line of the board. However, such offsetting creates a problem in that one or both of the elongated feet members extend beyond the edges of the top making the table bulky for shipping and storing.

It is an object of this invention, therefore, to provide supports for an ironing table which are partially demountable to form a small compact unit which may be readily packaged.

Another object of this invention is to provide a detachable foot which is easily assembled and which supports the table in a rigid and firm manner when attached.

The supports consist of two tubular legs crossed and pivotally interconnected at the crossing so that they may collapse to a nested side-by-side position. The legs are pivotally connected to the top by a pair of lateral braces, one of which is slidably guided by spaced guides secured to the table top (this structure is claimed in said application Serial No. 389,802). To make a more compact package of the collapsed ironing table the feet which extend beyond the sides of the top are readily removable. The leg and detachable foot having interlocking parts to properly locate and hold the foot against sliding and rotating and are held by a generally U-shaped tie rod with removable nuts. Markings on the tie rods aid in assembling the foot so that it will be at right angles with the legs. The ironing table is packaged in a carton with the feet removed. Thus, such carton is smaller resulting in considerable savings.

For more detailed description of this invention reference should be made to the following description of this specific embodiment read in connection with the accompanying drawings, in which:

Fig. 1 is a view in side elevation of an ironing table having supports embodying the present invention;

Fig. 2 is a bottom plan view of the ironing table of Fig. 1 with the supports collapsed and nested side-by-side;

Fig. 3 is a fragmentary enlarged sectional view of the means for removably securing the feet to the supports;

Fig. 4 is a sectional view taken on line 4—4 of Fig. 3; and

Fig. 5 is an enlarged fragmentary sectional view of the means for properly aligning the foot and the support.

Referring to the drawings by reference numbers, the ironing table has a top 10 of usual construction supported on crossed legs interpivoted intermediate their ends. A

single tubular front leg 12 has welded to its upper end a tubular brace 14 which extends to one side of the leg 12 as shown in Fig. 2. The brace 14 has a pair of spaced lugs 16 positioned adjacent each end thereof. Each of the lugs 16 is connected by a pivot 18 to brackets 20 fastened to the underside of the top 10. These brackets are spaced equidistant from the longitudinal center line of the top 10 and are both on the same side of the leg 12. The result of this construction is that the front leg 12 rigidly supports the top 10 against tipping even though the leg 12 is spaced from such center line of the top and positioned close to the side of the top. The axis of the pivots 18 are spaced from the underside of the top 10 a distance greater than the upper side of the rear leg in the nested position but do not interfere therewith because of their lateral positioning. This brings the brace 14 immediately adjacent the underside of the top in the nested position.

A single tubular rear leg 22 has its upper end provided with flats 24 and a U-shaped brace 26 is rigidly connected to such flats 24 and extends laterally therefrom as shown in Fig. 2. This brace has a pair of spaced lugs 28 secured thereto adjacent opposite ends. These lugs project upwardly toward the top 10 when the legs are nested. The lugs 28 have holes in which a rod 30 is pivotally mounted. Extensions of rod 30 are slidably guided in elongated slots 32 formed in guides 34, thus slidably and pivotally mounting the leg 22 to the top. The guides 34 are substantially spaced equidistant from the longitudinal center line of the top 10. Both are on the same side of the leg 22. Thus, the top 10 is supported at its front end against tipping even though the rear leg 22 is offset from such center line. The lugs 228 are offset upwardly as described in order to bring the axis of the rod 30 in alignment with the slots 32 when the legs 12 and 22 are nested.

The rear and front legs 12 and 22 are pivotally interconnected by a pivot 36 which extends therethrough. Such legs are spaced as shown in Fig. 2 by a pair of metal spacers 38 which the pin 36 passes. These spacers have concave cylindrical portions which engage the tubular legs to prevent the spacers from turning and flat confronting bearing surfaces which keep the legs in proper alignment while under the stresses of supporting the top.

Since the legs 12 and 22 are offset from the longitudinal center of the top it is necessary that they be provided with elongated feet which will extend transversely of the top 10 a sufficient distance to provide stability and rigidity for the ironing table when in use. The front leg 12 has a foot 40 and the rear leg 22 has a foot 42 both of which are made from tubular stock. The foot 40 has an outer end extending beyond that side of the top 10 adjacent the legs 12 and 22 and an inner end extending beyond the longitudinal center line of such top. The foot 42 has both ends extending beyond the sides of the top 10. The manner of securing each foot to its respective leg is identical and only one of such constructions will be described as applied to the front leg 12. The bottom of the leg 12 is cut in semi-circular shape (see Fig. 4) so that it fits snugly against the outer wall of the foot 40. In making the cut, teeth 44 are left which project from diametric sides of the leg 12 at the bottom of such cut. These teeth fit into openings in the foot 40 to properly locate such foot and resist turning and sliding. A pair of slots 46 in the leg 12 (see Fig. 3) receive a substantially U-shaped tie rod 48. This rod has its legs extending from the bottom of slots 46 through holes in the foot 40 projecting therethrough and terminating in threaded ends contained in depressed areas 50 on the bottom of the foot 40. Nuts 52 are threaded on such ends and seat in such areas to tightly secure the foot 40 against the leg 12 and prevent such foot from tilting with respect to such

leg. In order to assure that the foot **40** will be parallel with the foot **42** and perpendicular to the leg, the tie rod **48** may be provided with visible recessed lines **54** (see Fig. 5) which are aligned with the outer surface of the foot **40** to establish proper position. With the feet **40** and **42** removed and the legs **12** and **22** nested as shown in Fig. 3, the ironing table and its supports may be packed in a carton which need not be wider in interior dimension than the width of the top **10**. As a result of this, considerable saving in carton expenses is obtained. It is easy for the purchaser of the ironing table to follow the simple instructions for securing the feet **40** and **42** in place.

Although but one embodiment of the invention is shown and described herein, it will be understood that this application is intended to cover such changes for modification as come within the spirit of the invention and the scope of the appended claim.

I claim:

Supports for an ironing table, comprising crossed interpivoted legs, a removable foot secured to each of

said legs, the lower end of each of said legs abutting its respective foot and having a plurality of lugs receivable in openings provided in said foot to locate and hold said foot against sliding and rotating relatively to said leg, a U-shaped tie rod extending from each of said legs and interconnecting said leg to its foot, each of said feet being formed of a length of metal-tubing and provided with spaced openings through which the ends of the tie rods extend, and means for securing said tie rods to the feet whereby to readily hold the feet on the legs, said feet having a circular cross section and the feet-engaging ends of the legs having a semicircular shape to abut said feet in a mating relationship.

References Cited in the file of this patent

UNITED STATES PATENTS

2,311,612	Pleiss	Feb. 16, 1943
2,663,101	Olander	Dec. 22, 1953
2,663,102	Olander	Dec. 22, 1953