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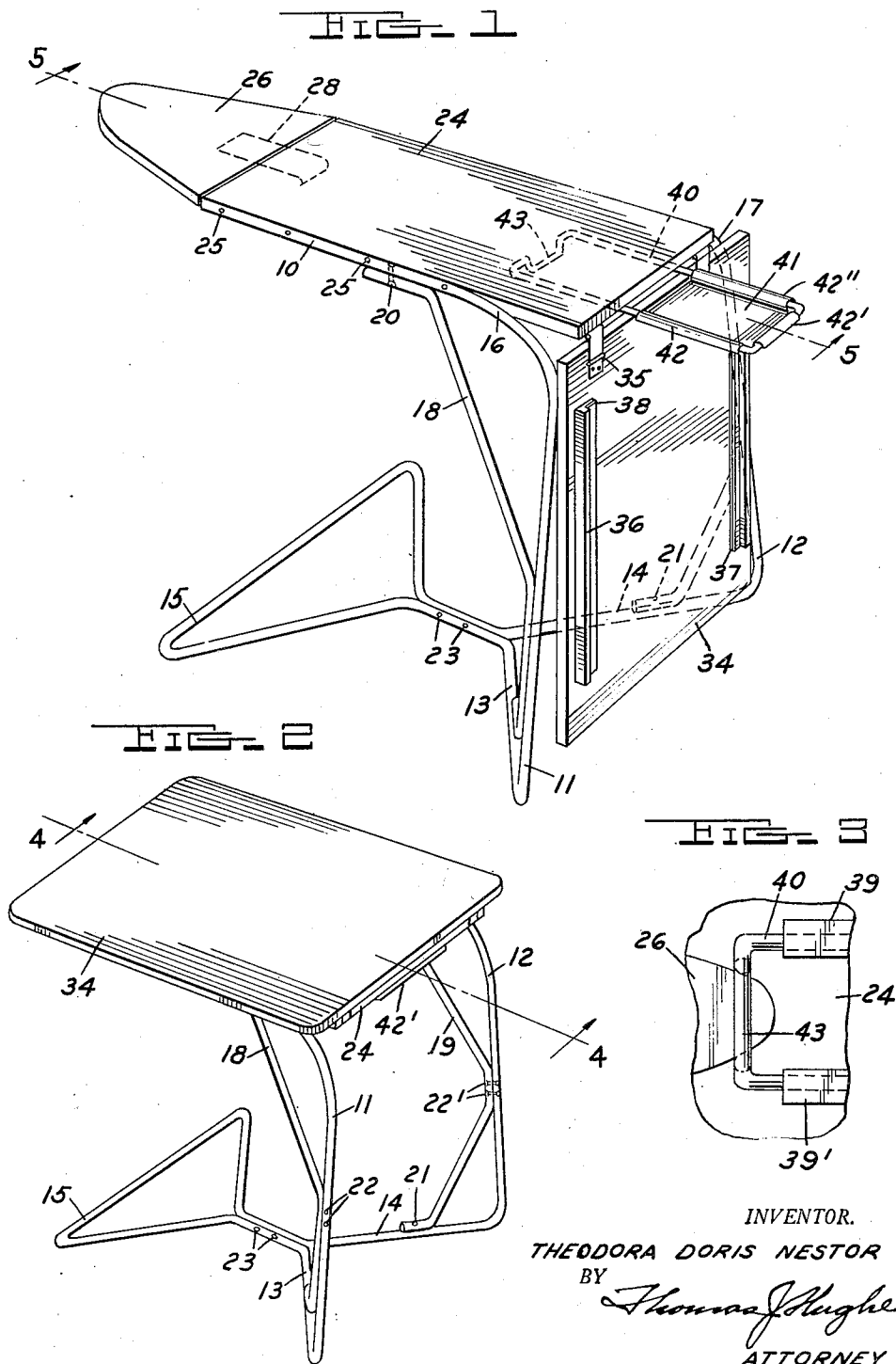
T. D. NESTOR

2,554,446

CONVERTIBLE TABLE AND IRONING BOARD

Filed Aug. 27, 1949

2 Sheets-Sheet 1



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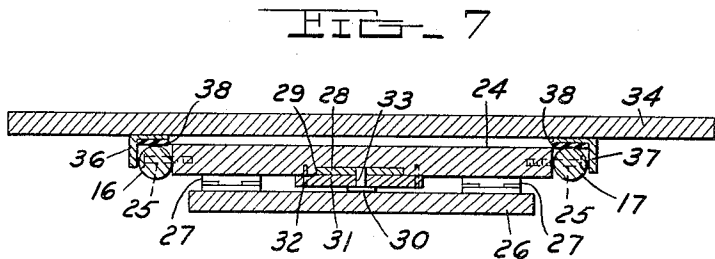
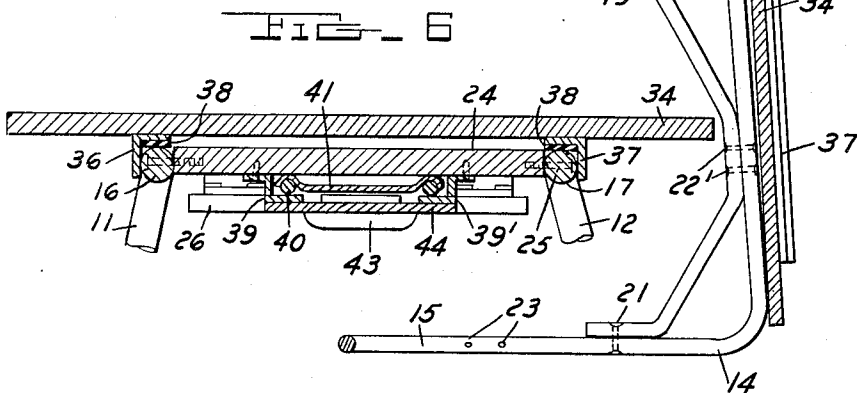
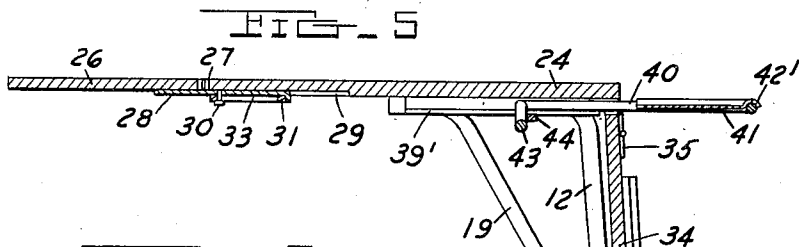
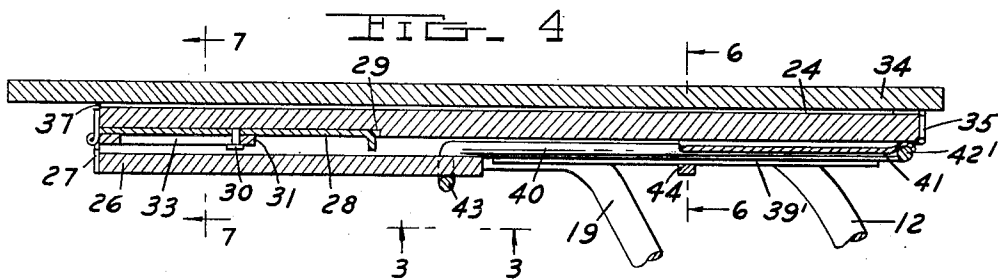
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2 Sheets-Sheet 2



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## UNITED STATES PATENT OFFICE

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## CONVERTIBLE TABLE AND IRONING BOARD

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3 Claims. (Cl. 38—113)

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This invention relates to a combined table and ironing board and has for one of its objects to provide a simply constructed device of this character which, while it may be manufactured at comparatively low cost, will be highly efficient and most desirable for use by tenants of apartments or small homes where space for household equipment is definitely minimized.

Another object of this invention is to provide a board of sectionalized units hingedly end connected, one to the other, so as to enable the respective sections thereof to be swung one to overlie the intermediate section and the other to be swung to a position to underlie that section. Thus, when the end sections are so positioned the overlying section readily adapts itself for table purposes, and when that section is pivoted on its hinges (through an arc of approximately 270 degrees) to vertically hang thereby, the intermediate or ironing board section is exposed to view at which time the underlying or ironing board extension section can be swung to the same horizontal plane as the intermediate section to therewith provide an ironing board surface of suitable length.

Another object of my invention is to provide a simple sliding device which is adapted to assure rigidity to the aforesaid extension when the latter is horizontally disposed relative to the intermediate section.

Another object of my invention is to provide the aforesaid intermediate section with a dual purpose slide which is adapted when projected beyond one hinged edge of said section to serve as a rest for the ironing device of the operator, and when retracted toward the opposite end of said section to clampingly engage and hold the aforesaid underlying section in its underlying or inoperative position.

Still another object of my invention is to provide a two-legged metal support, the upper and lower portions of which are bent or turned to form two spacedly superimposed horizontal supports, the upper to be attached to and to support my sectionalized board aforesaid and the lower thereof to serve as a floor rest.

Further objects and advantages of my invention will become apparent as the description proceeds, taken in connection with the accompanying drawings, in which:

Fig. 1 is a perspective view of my device set up for use as an ironing board.

Fig. 2 is a perspective view of my device set up for use as a table.

Fig. 3 is an enlarged sectional bottom plan view taken between the line 3—3 of Fig. 4.

Fig. 4 is a longitudinal vertical section taken on the line 4—4 of Fig. 2.

Fig. 5 is a longitudinal vertical section taken on the line 5—5 of Fig. 1.

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Fig. 6 is a transverse vertical section taken on the line 6—6 of Fig. 4, and

Fig. 7 is a transverse vertical section taken on the line 7—7 of Fig. 4.

Referring to the drawings for illustrating the invention, the reference character 10 indicates a rod or tube which is bent to form a supporting frame consisting of the two vertically spaced apart uprights or legs 11 and 12 with the lower portions 13 and 14 thereof turned at right angles thereto to form a substantially H-shaped floor rest indicated generally by the numeral 15, and the upper ends thereof similarly turned to form the supports 16 and 17 to spacedly overlie the rest 15. The aforesaid supports, through legs 11 and 12, cooperate one with the other to provide a support for my sectionalized board hereinafter to be more fully described.

To add rigidity to the frame 10, I provide a pair of struts 18 and 19, respectively engaged at their upper ends by the screws or bolts 20, to the supports 16 and 17, and at their lower ends by bolts 21 to the portions 13 and 14. I similarly respectively engage the aforesaid struts, intermediate their ends, to the legs 11 and 12 by means of bolts 22 and 22': and, also where the portions 13 and 14 converge and meet to form the cross bar of the aforesaid H rest, I secure such portions together by the bolts 23.

The main section 24 of my ironing board is positioned between the upper supporting arms 16 and 17, to which members the said section is secured by suitably spaced screws 25. Being thus maintained, with the supporting legs 11—12 therefor located at one end of the board an operator in using the board is not hampered by any leg interference at the opposite end of the board, particularly when ironing women's dresses, which obviously can be more efficiently ironed when they are slipped over the board so as to present but one thickness of the dress for ironing.

An ironing board extension section 26 is secured to one end of the main section by means of hinges 27 which permit said extension to be swung from the underlying position shown in Fig. 4 to the horizontally extended position displayed in Fig. 1. To retain section 26 in that extended position I employ the wide metal slide 28 which is adapted to be reciprocated in the recess 29 provided in the under side of section 24. A depending knob 30, suitably secured to the slide, enables one to project the latter member a sufficient distance beyond the hinged edge of said section to partially underlie each of the sections 24 and 26. The aforesaid member 28 is slidably retained in the recess 29 by the upper surface of plate 31 which is secured by screws 32 to the under side of section 24. A longitudinal slot 33 is provided in the plate 31 to enable the stem of knob 30 to be reciprocated therethrough.

To the opposite end of the aforesaid main section 24 a table section 34 is attached by means of the double action hinges 35, which hinges permit the table section to be swung through an arc of approximately 270 degrees to assume the vertical or hanging position shown in Fig. 1, or conversely, to be swung to the horizontal position indicated in Fig. 2 to overlie the said main and underlying extension sections.

Secured, by means of screws not shown, to the under side of the aforementioned table section are a pair of oppositely disposed supports 36 and 37 which are of angular cross section, the vertical and horizontal walls of each of which are respectively adapted, whenever the table section is placed in the reclining position shown in Fig. 2, to abut the outer and top sides of the frame supporting arms 16 and 17. Strips of rubber 38 may be suitably attached to the horizontal outer surfaces of supports 36 and 37 for contact with the aforesaid arms to thereby give a cushioning effect to the table top when it is lowered thereon.

A pair of longitudinally disposed spaced-apart rails 39 and 39' (Figs. 3 and 6) are suitably secured to the under side of main section 24, adjacent the table top section, which rails form a trackway for sliding engagement thereon of the substantially rectangularly shaped wire frame 40. On the forward portion of the latter I secure the metal plate 41 by looping its edges 42, 42' and 42'' to clampingly respectively embrace the leading end and each of the forward portions of the laterally disposed arms of the frame 40, thereby nesting the plate in the forward end of said frame to serve, when in projected position, as a rest for an ironing device, not shown. The rear or trailing end of frame 40 is bent downwardly to form the substantially U-shaped ledge or rest 43. This latter adjunct is adapted, whenever the frame 40 is retracted on the aforesaid rails, to be slid underneath a portion of the floor-facing surface of the ironing board extension 26 (see Figs. 3 and 4), whenever the latter member is swung to its position of non-use beneath main section 24, to thereby support and hold said extension in such position.

The stop block 44 is suitably secured to the under side of rails 39 and 39', intermediate their ends, and is adapted to safeguard the longitudinal displacement of the slide 40 from said rails whenever the slide is projected to enable the plate 41 carried thereby to serve as an iron rest. When this forward movement of the slide is effected the leading side of the depending rest 43 thereof strikes the inner face of the stop 44, thereby arresting any further forward travel of the slide.

It will be obvious from the above that I have provided a simple, efficient and compact structure that will at all times occupy a minimum of space and which can be adjustably assembled and disassembled into an ironing board or table with a minimum of effort. In Fig. 1, I have shown the structure set up for ironing board purposes. Here the operator has lifted and clockwise swung the table top 34, on its hinges 35, from a horizontal position overlying section 24 to the vertical hanging position displayed. Frame 40, bearing iron rest 41, has been manually slid to the forward position shown, at which time ledge 43 released its hold on extension 26, thereby initiating partial clockwise movement of the latter member and enabling the operator to manually continue that movement to its fully extended horizontal position. At this time the operator,

grasping knob 30 slides plate 28 forward a sufficient distance to enable the latter member to bear against the undersurface of the aforesaid extension and thereby effectively rigidly support it in its extended position.

Upon termination of the use of the device as an ironing board and table use thereof is desired, slide 28 is retracted to release its support for extension 26, enabling the latter to be swung to the underlying position shown in Fig. 4. Likewise frame 40, carrying the iron rest 41, is pushed back to retracted position, at which time ledge 43 reengages the extension 26, as aforesaid, and finally the table top 34 is swung anti-clockwise to resume the overlying horizontal position, previously explained, and as indicated by Figs. 2 and 4.

Although I have shown and particularly described the preferred embodiment of this invention, I do not wish to be limited to the exact construction shown, as various changes in the form and relation of the parts thereof may readily be made without departing from the spirit of this invention, as set forth in the appended claims.

I claim:

1. A combination table and ironing board comprising: a two-legged support having integrally formed therewith a base and a pair of spaced apart arms spacedly superimposed above said base, an ironing board secured to and intermediate the arms of said support, an extension hingedly secured to one end of the board adapted to be swung to underlying and projected positions relative to the board, a table top hingedly secured to the opposite end of the board adapted to be swung to overlying and suspended positions relative to the board, guides secured to the undersurface of said board adjacent each of said ends, and slides mounted in said guides to move outwardly and inwardly from said ends, one of said slides when projected being adapted to engage and support said extension in its projected position, and the other thereof when projected being adapted to support an iron and when retracted to engage and hold said extension in its underlying position.

2. A combination table and ironing board comprising a two-legged support having integrally formed therewith a base and a pair of spaced apart arms spacedly superimposed above said base, an ironing board secured to and intermediate the arms of said support, a table top hingedly secured to one end of the board adapted to be swung to overlying contacting position with said arms, an extension hingedly secured to the opposite end of the board adapted to be swung to underlying and projected positions relative to said board, guideways longitudinally disposed on the under side of said board adjacent each end thereof, a slide movably mounted in one of said guideways adapted to be projected beneath said extension to brace the latter, and means slidably mounted in the other guideway adapted when projected to support an iron and when retracted to engage and sustain the extension in its underlying position.

3. In a combined table and ironing board the combination with a one piece tubular support, having an H shaped base and two upwardly extending legs turned inwardly to spacedly overlie the base, of an elongated ironing board seated intermediate said inwardly turned portions of the legs, means securing the latter flush with the upper surface of the board, an extension hingedly secured to one end of the board adapted to be

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swung underneath the latter, a table top hingedly secured to the opposite end of the board adapted to be swung to repose upon said intumed legs, a trackway secured to the under side of the board adjacent one end thereof; and a frame, having a pair of oppositely disposed rests, slidably mounted in the trackway adapted when projected beyond the end of the board to support an iron and when retracted to engage and hold the extension in its underlying position.

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