J. W. MILLER.

IRONING TABLE.

APPLICATION FILED FEB. 6, 1909.

955,526. **Patented Apr. 19, 1910.**

2 SHEETS—SHEET 1.

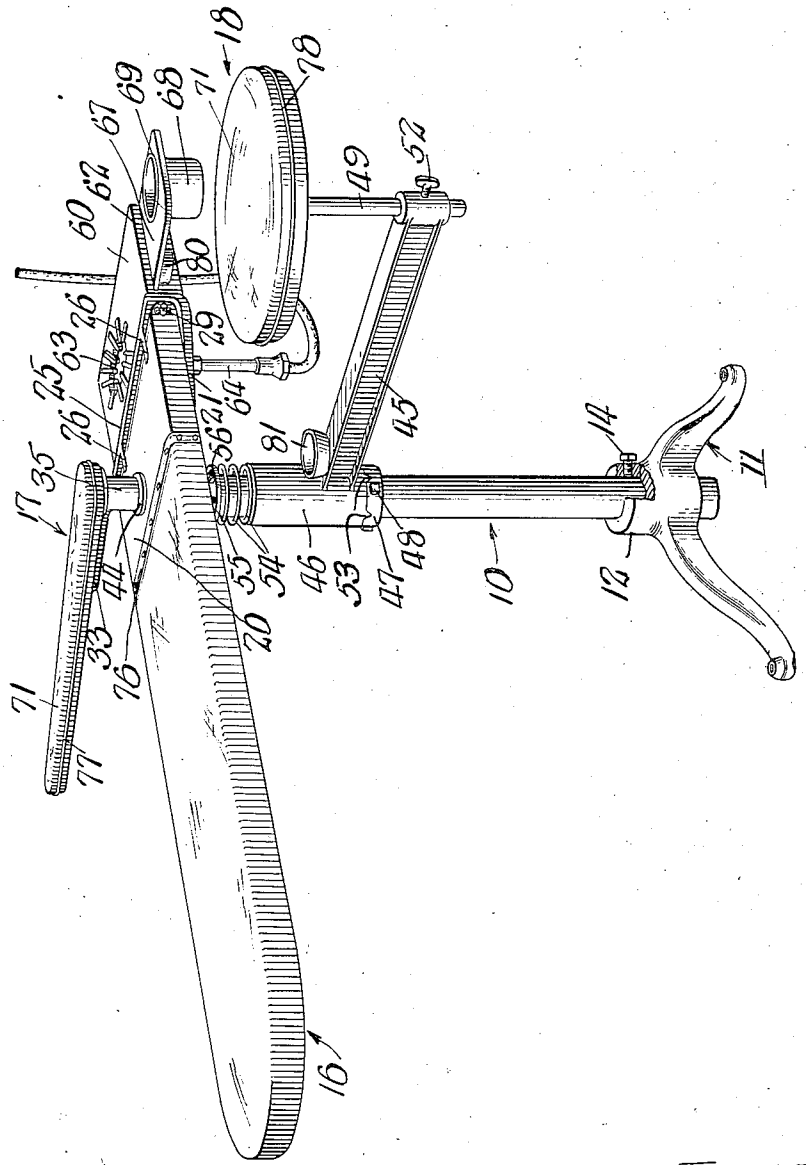

Fig. 1.

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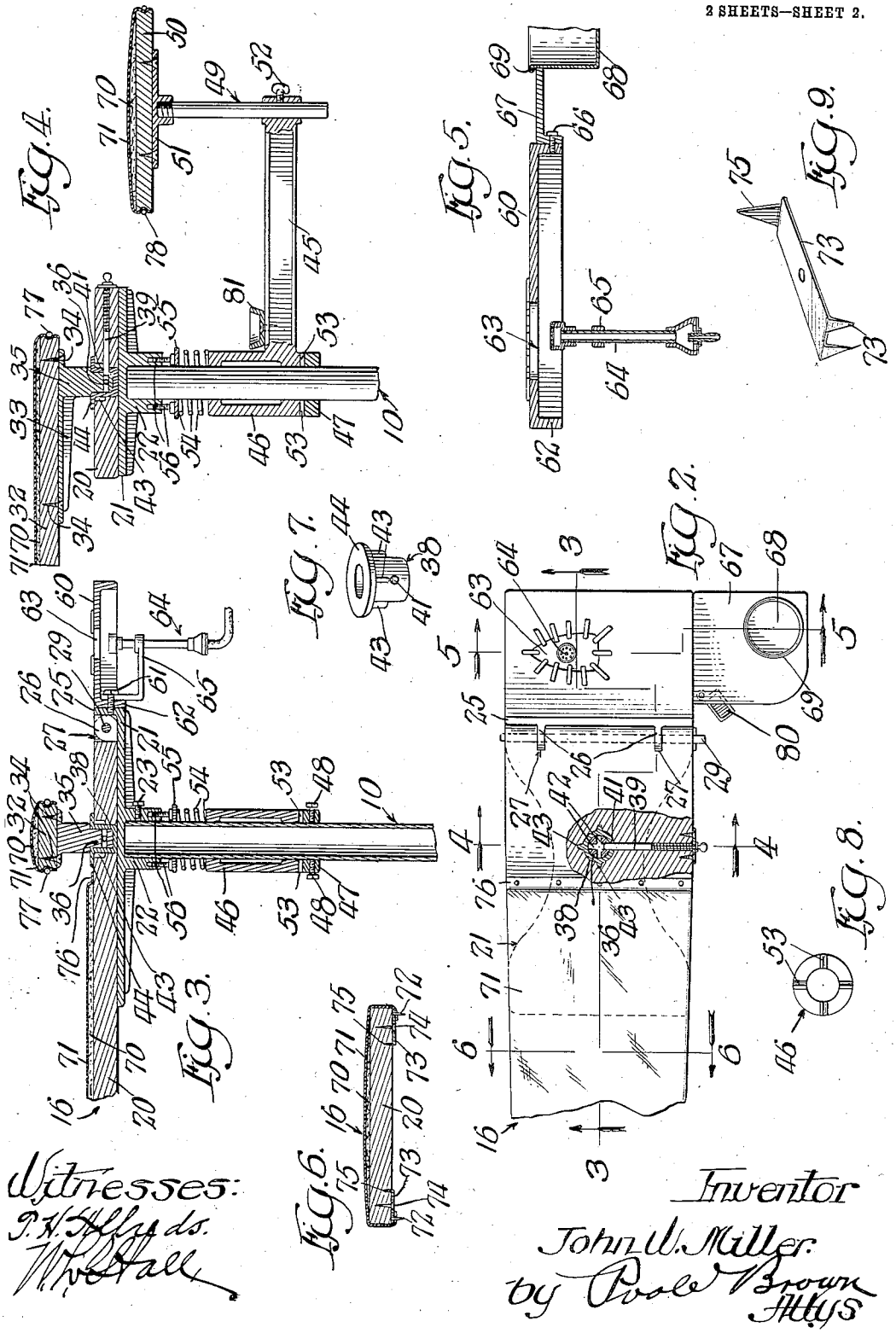

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UNITED STATES PATENT OFFICE.

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IRONING-TABLE.

955,526. Specification of Letters Patent. **Patented Apr. 19, 1910.**

Application filed February 6, 1909. Serial No. 476,342.

To all whom it may concern:

Be it known that I, JOHN W. MILLER, a citizen of the United States, and a resident of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Ironing-Tables; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the numerals of reference marked thereon, which form a part of this specification.

This invention relates to improvements in ironing tables or stands adapted more especially for use in ironing ladies' shirt waists and other garments, and the invention consists in the matters hereinafter set forth and more particularly pointed out in the appended claims.

In the drawings:—Figure 1 is a perspective view of an ironing table embodying my invention. Fig. 2 is a view partially in plan and partially in section thereof. Figs. 3, 4, 5 and 6 are sectional views, taken on lines 3—3, 4—4, 5—5 and 6—6, respectively, of Fig. 2. Fig. 7 is a perspective view of a socket piece constituting a bearing for the arm ironing board. Fig. 8 is a bottom plan view of the hub of the arm for supporting the yoke ironing board. Fig. 9 is a perspective view of a clip for attaching the margins of the ironing surface cloth of the main ironing board.

As shown in the drawings, 10 designates a vertical standard or post, and 11 designates the base thereof. The standard is vertically adjustable on the base to adjust the height of the table, the base being herein shown as provided with a central, vertical sleeve 12 through which the standard extends. The standard may be locked to the sleeve of the base by a set screw 14.

16 designates, as a whole, the main ironing board and 17 and 18 designate two auxiliary ironing boards. The main ironing board is designed for use in ironing the body of a shirt waist or like garment, the ironing board 17 for use in ironing the sleeves or like tubular portions of a garment, and the ironing board 18 for use in ironing the yoke of the garment.

The ironing board 16 comprises an elongated, wooden body member 20 that is supported on a metal frame plate 21, which latter is directly supported on the upper end of the standard, said frame plate projecting a distance in front and rear of said standard. As herein shown, the frame plate is provided with a downwardly opening socket member 22 which is fitted over the upper end of the standard and is arranged to be locked to the standard by a set screw 23. The wood body 20 of the ironing board is hinged at its rear end to the frame plate 21 in rear of the standard so that it may be swung upwardly away from the standard when not in use.

The hinged connection between the frame plate and the board is made as follows: The said frame plate is provided at its rear end with an upwardly directed flange 25, and said flange is provided with forwardly directed, vertically arranged hinge lugs 26, 26 which enter notches 27 formed in the rear end of the wood body of the board. The hinge lugs are horizontally apertured and are connected with the board by a horizontal hinge pin or rod 29 which extends transversely through the rear end of the board and through the apertured lugs 26.

The auxiliary or sleeve board 17 comprises a horizontally elongated wooden body 32 arranged over the main ironing board and is attached, as by screws 34, at its rear end to a horizontal metal frame plate 33. The said metal frame plate is provided with a downwardly extending bearing arm 35 which has a reduced lower end 36 that enters an upwardly opening socket piece 38 that is fitted into an opening in the wood body 20 of the main ironing board. The said bearing arm and socket constitute a pivot about which the sleeve ironing board may be swung horizontally to adjust the board to different positions relatively to the main board. That is to say, the sleeve ironing board may be adjusted to extend laterally from either side of the main ironing board or horizontally thereover. The said sleeve ironing board is locked in adjusted positions by means of a spring pressed locking bolt 39 which extends through a horizontal opening in the board 20 from one side margin of the board and through an opening 41 in the socket piece 38 and is adapted to engage at its inner end one of a plurality of openings 42 in the reduced lower end of the bearing arm 35. The said socket piece is provided with a plurality of exterior, vertical ribs 43 by which it is fixed non-rota-

tively to the board 20, and is provided at its outer end with an annular radial flange 44 which extends over the upper face of the board and constitutes an upwardly facing bearing surface arranged to engage the downwardly facing bearing shoulder at the reduced lower end of the arm 35.

The yoke ironing board 18 is supported on the outer end of a horizontal arm 45 which is mounted on and extends radially from the standard 10 below the main ironing board. The said arm 45, as herein shown, is provided at its inner end with an elongated bearing sleeve or hub 46 which surrounds the standard and is vertically supported on said standard by means of a collar 47 surrounding the standard and attached thereto, as by the set screws 48. The said yoke ironing board comprises a circular wood body 50, and is supported on the outer end of the arm 45 by means of a short upright post or stem 49 which is attached at its upper end 51 to the lower side of said board. The said post or stem extends through a vertical opening in the outer end of said arm 45 and is adjustably fixed thereto by a set screw 52. Thus the board may be vertically adjusted with respect to its supporting arm.

The contacting or adjacent faces of said collar 47 and the hub 46 are formed to lock the arm 45 in different radial adjustments with respect to the standard. For this purpose, the said hub is shown as formed on its lower surface with a plurality of radial ribs 53, Fig. 8, which are arranged to engage a plurality of complemental grooves in the upper face of the collar. The hub is pressed against the collar 47 by means of a spiral, expansively acting spring 54 which surrounds the standard 10 and is interposed between the upper end of the hub and a washer plate 55 surrounding the standard. The tension compressive force of said spring is adjusted or varied by means of adjusting screws 56, 56 which have screw-threaded engagement with vertical apertures in the lower end face of the socket member 22 and bear at their lower ends against said washer 55.

The vertical adjustment provided by the set screw 52 enables the yoke ironing board to be raised or lowered, as desired, and the swinging adjustment of the supporting arm 45 permits said board to be swung under the main ironing board when not in use, or to be adjusted at varying distances toward and from the main ironing board when in position for use.

An iron heating table 60 is attached to the rear flanged end of the frame plate 21 of the main ironing board, as by screws 61 extending through a depending flange 62 at the front end of the table and into the flange 25 that carries the hinged lugs 26 of the main ironing board. The said iron heating table is provided with an opening 63 over which an iron is adapted to be supported, in the usual manner, and beneath said opening is arranged a gas burner 64 that is supported by a bracket 65 attached to said table by one of the screws 61 before referred to. Extending laterally from said iron heating table and attached to it by screws 66 is a horizontal plate 67 which supports an upwardly opening sponge cup 68. Said plate is, for this purpose, provided near its outer end with an opening into which loosely fits the cup 68 and the cup is supported from the plate by an annular rim or bead 69 at its upper margin which rests on the plate around the opening therein.

All the ironing boards are provided with the usual ironing surface, consisting of a pad 70 of felt or like material, and a cloth covering 71 which extends over the pad and extends at its margins over the margins of the board and is attached thereto.

The side and front margins of the surface cloth of the main ironing board are engaged with holding pins 72 which are herein shown as formed integral with the plates 73 that are attached to the under side of the board 20, as by means of screws 74. The said plates 73 are provided at their ends remote from the cloth holding pins 72 with sharpened prongs 75 which are arranged to be forged into the under side of the board by the screws 74 to aid in holding the plates in place. The end margins of the surface cloth adjacent to the rear end of the main ironing board are fixed to the board by a transverse binding strip 76, as clearly shown in Figs. 1 and 2.

The ironing surfaces of the sleeve and yoke ironing boards are attached at their margins to the margins of the board by closed wire hoops 77, 78, respectively. Said hoops closely embrace the sleeve and yoke boards and pinch the margins of the surface cloth into grooves formed in the vertical faces of the marginal parts of the boards, as clearly shown in Figs. 3 and 4. The hoops 77, 78 are made of such dimensions as to closely fit upon the grooved margins of the boards and are forced into place over the margins of the cloth surface 71 after the latter has been applied to the board. By reason of the yielding nature of the cloth at these points the hoops may be thus forced into place and frictionally held in place, while permitting them to be removed for the purpose of renewing the surface cloth.

A pin tray 80 and a collar-button tray 81 may be provided in convenient access to the operator, the former being herein shown as swingingly supported beneath the sponge cup plate 67 and the latter as supported on the yoke ironing board supporting arm 45.

The adjustments provided for the sleeve ironing board enable the said board to be

used by an operator standing on either side of the ironing table, as most convenient, and also enable said board to be swung horizontally over the main ironing board. The sleeve board may be used in this latter position. It will usually be swung to this position before the main ironing board is swung upwardly about its hinge, thus permitting compact arrangement of the device when out of use. The swinging adjustment of the yoke ironing board permits said board to be swung beneath the main ironing board when not in use and to be adjusted at different distances from the main ironing board when in use.

The arrangement whereby the auxiliary ironing boards are supported upon the standard, one above and one below the main ironing board and are adjustable about the axis of said standard, contributes greatly to the simplicity of the device and to its stability as a whole.

These and other features of the invention are capable of embodiment in constructions differing in details from the device herein shown, and I do not limit myself to such details except as hereinafter made the subject of specific claims.

I claim as my invention:—

1. A multiple board ironing table comprising a standard, a main ironing board supported at the upper end thereof, an auxiliary ironing board rotatively supported on said main ironing board above the same and arranged to be swung over the main ironing board and to be extended laterally from either side thereof, a second auxiliary ironing board, an arm rotatively mounted on the standard below the main ironing board and supporting said second auxiliary ironing board and arranged to permit the said second auxiliary board to be swung toward and away from the main ironing board and also beneath the same.

2. A multiple-board ironing table comprising a standard, a main ironing board supported at the upper end thereof, an elongated auxiliary ironing board rotatively supported on said main ironing board above the same and arranged to be swung over the main ironing board and to be extended laterally from either side thereof, a second auxiliary ironing board, an arm rotatively mounted on the standard beneath the main ironing board and supporting the second auxiliary board and arranged to permit the said second auxiliary board to be swung toward and away from the main ironing board and also beneath the same, and means for adjusting the second auxiliary ironing board vertically with respect to its rotatively mounted supporting arm.

3. A multiple-board ironing table comprising a standard, an elongated main ironing board supported on the upper end thereof, an auxiliary ironing board, an arm having a hub which surrounds and is rotatively mounted on the standard, a collar on the standard engaging the hub for vertically supporting the arm, whereby the auxiliary board may be swung toward and from and beneath the main ironing board, said collar and the lower end of the hub being provided with interlocking ribs and grooves, and a spring applied to the upper end of the hub for pressing the interlocking parts of the hub and collar together.

4. A multiple-board ironing table comprising a standard, a main ironing board supported at the upper end of the standard, an auxiliary ironing board, an arm extending radially from the standard and provided with a hub surrounding the standard and rotatively mounted thereon, said auxiliary board being provided with a stem extending downwardly therefrom, and said arm being provided with an opening to receive the stem and means for locking said stem to the arm permitting vertical adjustment of the ironing board relatively to the arm.

5. A multiple-board ironing table comprising a standard, a frame plate supported on the upper end of the standard and extending in opposite directions therefrom, an ironing board supported horizontally on the said frame plate and hinged at one end to said plate to swing upwardly away from the standard, an upwardly opening socket piece supported on the board, an auxiliary ironing board above the main ironing board provided with a bearing arm rotatively engaging the socket piece, a second auxiliary board and a bearing arm for said second auxiliary board rotatively mounted on the standard beneath the main ironing board.

In testimony, that I claim the foregoing as my invention I affix my signature in the presence of two witnesses, this 4th day of February A. D. 1909.

JOHN W. MILLER.

Witnesses:
W. L. HALL,
GEORGE R. WILKINS.