June 5, 1951 C. W. WILKIE 2,555,722

PORTABLE WHEELED CARRIER FOR DOMESTIC IRONERS

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Fig. 1.

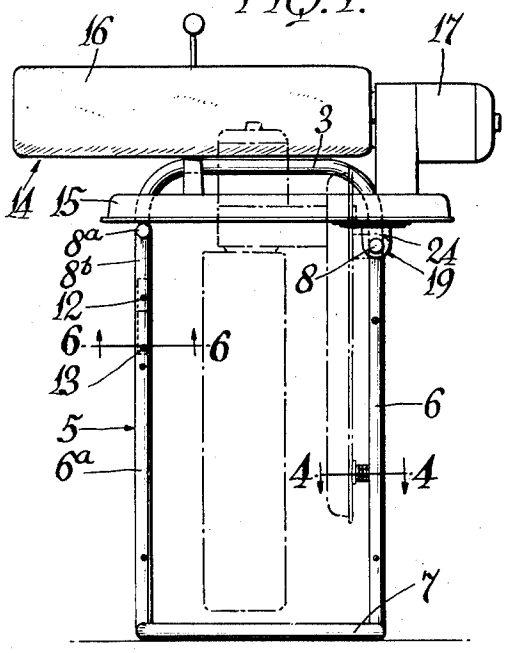


Fig. 2.

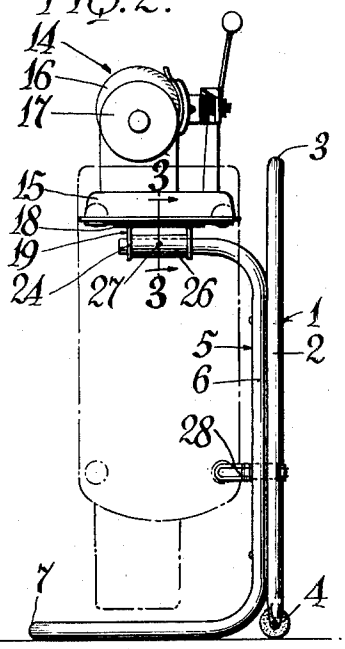


Fig. 3.

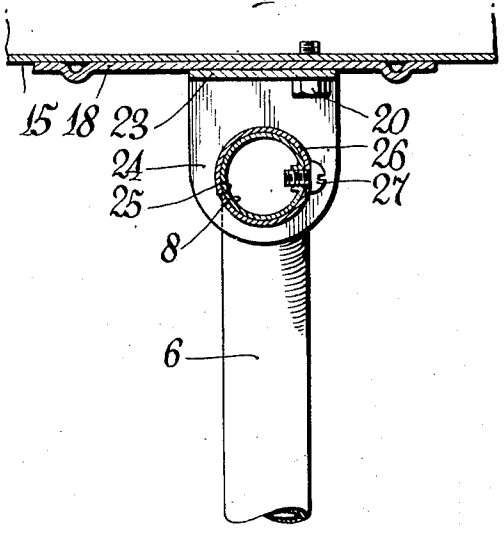
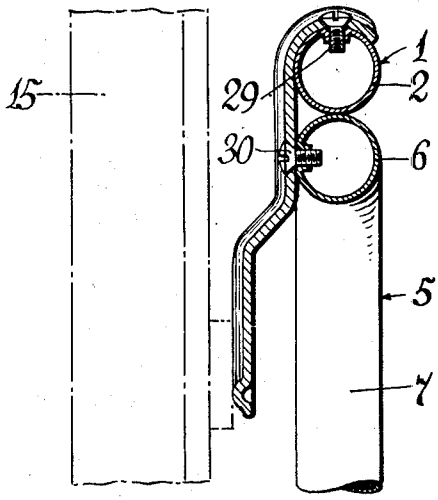


Fig. 4.



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Fig. 5.

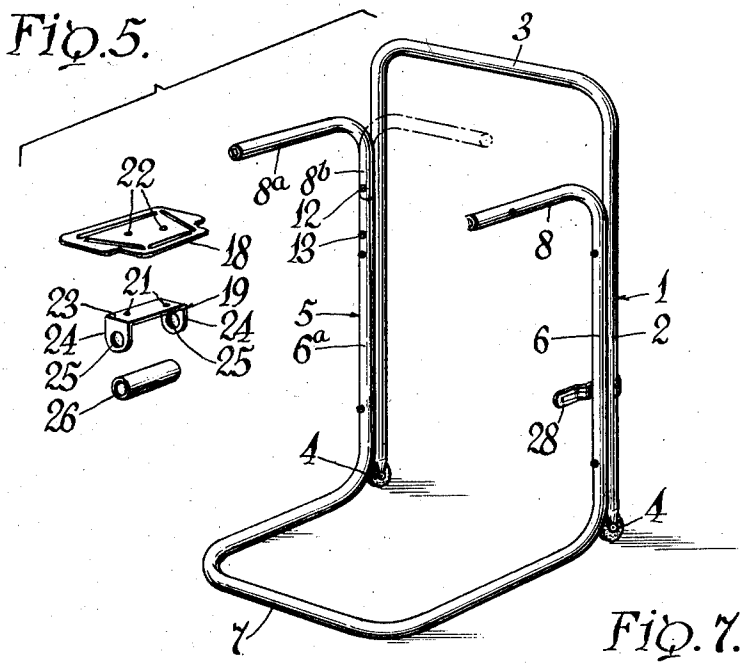


Fig. 7.

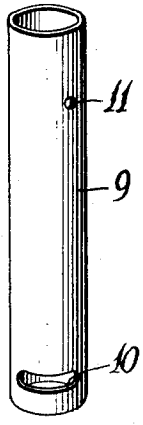


Fig. 6.

Fig. 8.

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Patented June 5, 1951

2,555,722

UNITED STATES PATENT OFFICE

2,555,722

PORTABLE WHEELED CARRIER FOR DOMESTIC IRONERS

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Application February 21, 1950, Serial No. 145,518

2 Claims. (Cl. 248—129)

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This invention relates to portable domestic ironer carriers of the wheeled supporting frame type which provides the ironer with a horizontal operative position and a pendant storage position.

The novel features of the invention, in an ironer carrier of the above type, are a wheeled supporting frame having a forwardly projecting stabilizing extension at its lower end and near its upper end a pair of arms, one of which is fixed and projects forwardly and the other of which is pivotally mounted about a vertical axis and has two positions, viz., an operative position in which it projects forwardly parallel to the fixed arm and a retracted position to which it is movable through an angle of approximately 90°. The movable arm in its projected position supports the ironer at its free end, the ironer being otherwise supported by the fixed arm upon which it is mounted for the pivotal movement about the axis of the arm as a center. The movable arm, when retracted, releases the ironer for movement about its pivotal axis to a pendant storage position.

Thus the invention provides a light and economically constructed carriage which will reduce the effort required to move the ironer from place to place, is ideally stable and is optimumly compact, thereby to facilitate storage and portability and to adapt the ironer for use in any advantageous location, even though the space available for its use be quite small.

In the accompanying drawings:

Figure 1 is a front elevation of the carrier, the ironer being shown in full lines in its operative position and in dot and dash lines in its storage position.

Figure 2 is a side elevation, the ironer being similarly shown.

Figure 3 is a detail section on the line 3—3 of Figure 2.

Figure 4 is a detail section on the line 4—4 of Figure 1.

Figure 5 is an exploded perspective view of the carrier and certain associated parts.

Figure 6 is a detail section on the line 6—6 of Figure 1.

Figure 7 is a perspective view of the journal for the movable arm.

Figure 8 is a perspective view of a stop piece for the ironer in its pendant storage position.

The drawings show a general supporting frame 1, preferably of steel tubing, of inverted U-shape. The frame 1 consists of legs 2 and a bow 3, the legs 2 carrying casters 4 at their lower ends and

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the bow 3 serving the dual purpose of a handle and a brace.

When the general supporting frame 1, as preferred, is made of steel tubing it carries an ironer supporting frame 5 which is preferably also of steel tubing. The frame 5 includes vertical parallel bars 6 and 6a which are respectively rigidly connected to the legs 2 of the frame 1. The frame 5 otherwise includes a horizontal stabilizing base of U-shaped outline, the parallel bars of which are formed as integral forward extensions of the bars 6 and 6a. The base 7 projects forwardly from the lower end of the frame 1 and at a substantial right angle thereto. The upper ends of the bars 6 and 6a have forwardly projecting arms 8 and 8a, one arm 8 being integrally connected to the bar 6 and the other arm 8a being suitably attached to the bar 6a for movement in a horizontal plane through a 90° angle as shown by dot and dash lines in Figure 5. The stabilizing base 7 and the arms 8 and 8a are, of course, from a functional standpoint, projections of the general supporting frame 1.

The movable arm 8a is attached to the bar 5a in a journalled manner and for this purpose is of general L-shape, having a depending vertical extension 8b adjoining, and in axial alinement with, the bar 6a. The journal part 9, shown in Figure 7 in perspective, and which is preferably tubular, has a horizontal slot 10 near its lower end and a threaded opening 11 near its upper end. The journal 9 has a snug fit in the extension 8b and the bar 6a. It is secured to the extension 8b by a screw 12, the shank of which projects through an opening in the extension 8b and is tapped into the opening 11. The slot 10 is a limiting feature of the movable arm 8a and subtends an arc of substantially 90°. The function of limiting the movement of the arm 8a in either direction is completed by a screw 13, the shank of which is in tapped engagement in an opening in the arm 6a and projects through the slot 10. The journal 9 has a snug fit in the bar 6a whereby it will be held by frictional contact in either of its projected or retracted positions.

The ironer, which may be of any standard construction, is shown generally at 14, its features being the usual table 15, roller 16 and motor 17. It is pivotally mounted upon the fixed arm 8 as an axis about which it is movable to a horizontal operative position or a pendant vertical storage position. The pivotal connection of the ironer 14 to the arm 8 is accomplished by mounting it on a plate 18, the plate being pivotally mounted upon the arm 8. The plate 18 has suitable re-

inforcing ribs and thereby provides additional rigidity for the support of the table 15 when the ironer is in use; it is rigidly secured to the underface of the table near an end thereof and also rigidly secured to a saddle 19 which includes a horizontal part 23. The plate is appropriately connected to the table and the saddle by screws 20, (Figure 3), the shanks of which project through openings 21 in the horizontal part 23 of the saddle and openings 22 in the plate 18 and are tapped into openings (not shown) in the bottom plate of the table 15. The horizontal part 23 of the saddle is provided with terminal lugs 24 in right angular relation, the lugs 24 having openings 25 of suitable diameter to take over the arm 8, the length of the lugs 24 and the position of the openings 25 providing a clearance between the arm 8 and the part 23 of the saddle to accommodate the heads of the screws 20. A sleeve 26 is fastened to the arm 8 between and abutting the legs 24 of the saddle 19 thereby restricting the saddle from axial movement and providing for the saddle to freely pivot thereon. Figure 5 shows, in perspective, the plate 18, saddle 19 and sleeve 26 in an extended position ready to be cooperatively mounted on the arm 8. The sleeve 26 as shown in Figures 2 and 3, requires a single screw 27 to secure it to the arm 8.

The storage position of the ironer 14, is shown by the dot and dash lines in Figure 1. To limit the downward movement of the ironer to this position a stop piece 28 is connected to the vertical sections of the frames 1 and 5 near their lower ends. The shank of the stop piece 28 projects forward and inward into the path of the ironer in its downward movement, thereby to engage the ironer and arrest its pivotal movement when the ironer has reached the ideal pendant storage position, i. e. a position in which the axis of the roller 16 is substantially vertical. Figure 4 shows that the end of the stop piece which is fastened to the frame 1 has a semi-circular shape so as to conform, in part, to the contour of the leg 2 to which it is attached by a screw 29. A screw 30, as shown in Figure 4, secures the stop piece to the frame 5.

When the ironer is required for use the carrier is wheeled to a desired location and the ironer is then lifted from its pendant storage position to a position in which its free end portion is located suitably above the movable arm. With the iron held manually in this elevated position the movable arm is then swung to its operative position wherein it is parallel to the fixed arm. The ironer is then lowered and rested on the movable arm. After use the ironer is lifted above the movable arm, which is then swung to its retracted position whereupon the ironer is lowered by gravity to the storage position wherein it engages the stop piece. The carrier is then wheeled to its place of storage.

I claim:

1. A portable carrier for a domestic ironer comprising an upright support provided with casters at its lower end, a stabilizing base projecting forwardly from the lower end of the support at a substantial right angle thereto and a pair of horizontal ironer supporting arms mounted near the upper end of the support, one of the arms being fixed and projecting forwardly from the support and the other arm being mounted for manual movement and having an operative position in which it projects forwardly from the support and is parallel to the fixed arm and a retracted position for the purpose of storage, in combination with means connected to the ironer carrier near one end thereof for mounting the carrier upon the fixed arm for pivotal movement about the axis of the fixed arm as a center, the carrier thereby being movable to a horizontal operative position and to a pendant substantially vertical storage position, the movable arm in its projected position providing support for the carrier near its free end and in its retracted position permitting the carrier to swing downwardly to its storage position or to be swung upwardly to its operative position.

2. A portable carrier for a domestic ironer comprising an upright support provided with casters at its lower end, a stabilizing base projecting forwardly from the lower end of the support at a substantial right angle thereto and a pair of horizontal ironer supporting arms mounted near the upper end of the support, one of the arms being fixed, projecting forwardly from the support and being available for the mounting of the ironer pivotally about its axis and the other arm being mounted for manual movement and having an operative position in which it projects forwardly from the support and is parallel to the fixed arm and a retracted position for the purpose of storage, the movable arm in its projected position providing support for the carrier near its free end and in its retracted position permitting the carrier to swing downward to its storage position and upright in its operative position.

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