July 15, 1952 J. L. ADAMS 2,603,438

IRON HOLDER

Filed Nov. 9, 1948 2 SHEETS—SHEET 1

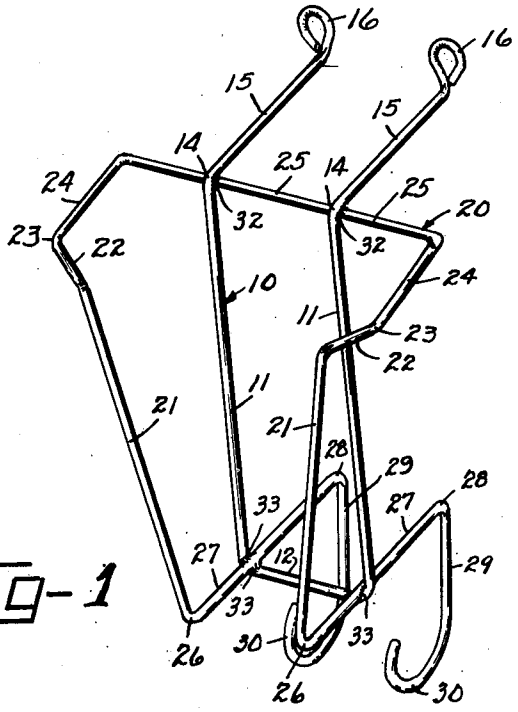


FIG-1

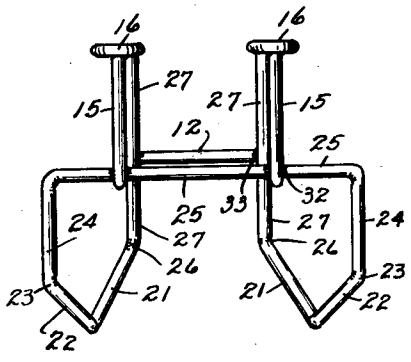


FIG-2

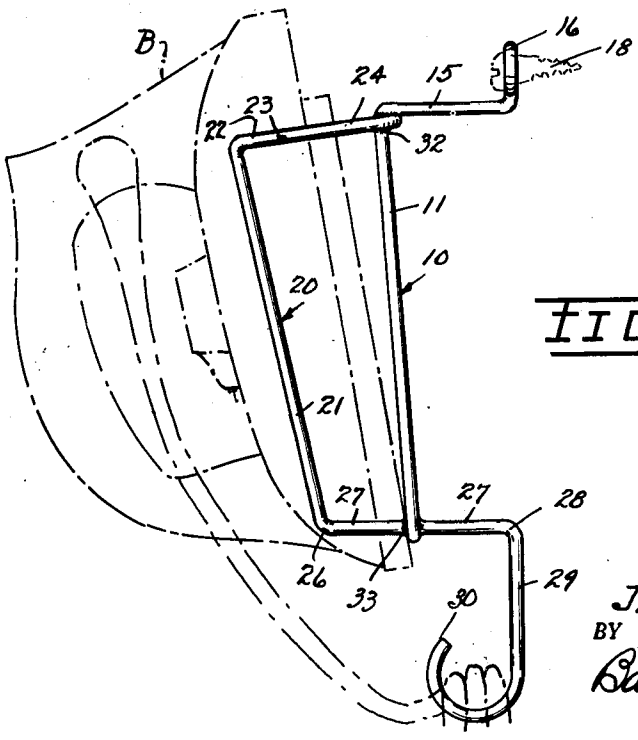


FIG-3

INVENTOR.
JAMES L. ADAMS
BY
Bates Teare, & McLean
ATTORNEYS

July 15, 1952 J. L. ADAMS 2,603,438

IRON HOLDER

Filed Nov. 9, 1948 2 SHEETS—SHEET 2

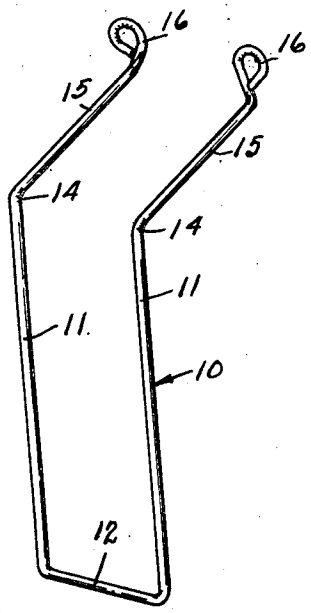


FIG-5

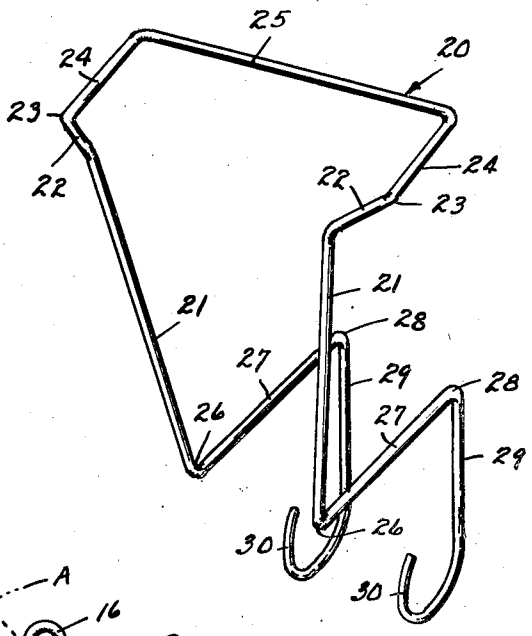


FIG-6

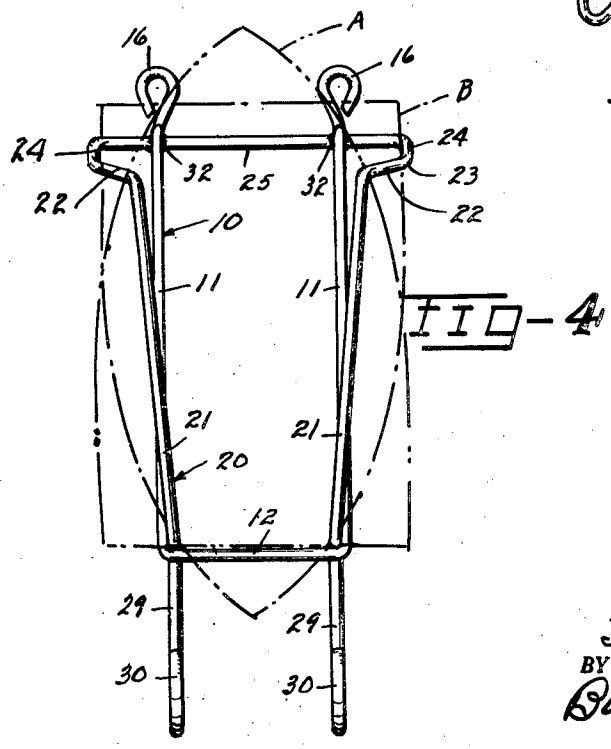


FIG-4

INVENTOR.
JAMES L. ADAMS
BY
Dates, Tease & McBean
ATTORNEYS

Patented July 15, 1952 2,603,438

UNITED STATES PATENT OFFICE

2,603,438

IRON HOLDER

James L. Adams, Euclid, Ohio

Application November 9, 1948, Serial No. 59,041

4 Claims. (Cl. 248—117.1)

1

This invention relates to an improved holder for supporting and storing flat irons, and particularly laundry irons such as are commonly called "electric irons." More specifically the present invention is concerned with the provision of an improved holder for a laundry iron, which holder will support and store the iron in a vertical position, and which may be readily attached to a wall or similar supporting surface. These, therefore, are the general objects of the present invention.

A more specific object of the present invention is to provide a holder for supporting and storing a laundry iron, which holder may be readily and economically manufactured, and which will be constructed so as to enable its use with various types of irons.

A further object of the present invention is to provide a light weight laundry iron holder for storing laundry irons, which holder will be constructed so that when hot irons are placed therein the heat from the iron will be quickly dissipated without danger, and which will be comparatively rigid to facilitate its use with comparatively heavy irons such as steam generating laundry irons.

Other objects and advantages of this invention will become more apparent from the following description, reference being had to one form of the invention which is illustrated in the accompanying drawing. The essential features of the invention will be summarized in the claims.

Referring now to the drawings, Fig. 1 is a perspective view of my improved iron holder; Fig. 2 is a view looking at the top of the improved iron holder; Fig. 3 is a side elevation of the improved iron holder; Fig. 4 is a front elevation of the improved holder; and Figs. 5 and 6 are perspective views illustrating the component parts of the iron holder before assembly.

My improved iron holder comprises two formed wire members 10 and 20. Each member comprises a generally U-shaped bent single strand of comparatively rigid wire. As shown in Figs. 1 and 5, the wire strand of the U-shaped member 10 is formed or bent to provide a pair of vertically extending portions or arms 11 joined at their bases by a transverse horizontal portion or cross bar 12. The upper ends of the arms 11 are bent rearwardly as at 14 to provide horizontal rearwardly extending portions 15, outer extremities of which are bent upwardly and formed to provide eyes 16 to receive attaching screws, indicated by dotted lines 18 in Fig. 3, which secure the holder to a wall or other vertically extending supporting surface.

2

The U-shaped member 20 also comprises a single strand of wire and is inverted. As shown, the wire strand member 20 is formed or bent to provide a pair of substantially vertically extending upwardly diverging arms 21 the upper ends of which are bent outwardly and rearwardly as at 22 and thence rearwardly as at 23 providing a pair of upper iron retaining side portions 24. The rearmost ends of the side portions 24 are joined by a horizontally extending cross bar 25. This cross bar, together with the portions 11 and 12 of the member 10, forming the rear wall of an iron receiving pocket. The lowermost ends of each of the arms 21 are spaced apart and are bent rearwardly as at 26, and thence downwardly as at 28 providing rearwardly extending stretches 27 and a vertically extending wall engaging surface 29. The lowermost ends of each of the wall engaging portions 29 of the member 20 are bent forwardly and upwardly to form a pair of horizontally spaced upwardly opening, forwardly extending hooks 30.

The two members 10 and 20 are secured together as by welding or brazing to form a unitary rigid structure. As shown in Fig. 1, the horizontal portions or cross bars 12 and 25 of the respective members 10 and 20 are each welded or brazed to the rearwardly extending portions 15 or 27 of the other member. It will be noted from Fig. 1 that the rearwardly extending portions 14 of the member 10 pass over and are secured to the horizontal cross bar 25 of the member 20 as at 32. It will also be noted that the horizontal cross bar 12 of the member 10 extends below and is secured to, as at 33, the rearwardly extending portions 27 of the member 20 and intermediate the ends thereof. Accordingly when an iron is positioned in the holder with its point up, as indicated by the dotted lines A in Fig. 4, the portions of the arms 27 forward of the member 10 provide a seat on which the heel of the iron rests whereas when the iron is reversed as indicated by the dotted lines B of Figs. 3 and 4 such portions of the member 20 engage the tapered sides of the iron. Such a construction above described provides a rigid device wherein the joints 32 and 33 are under practically no strain.

When the iron is placed in position in the holder as indicated by the dotted lines B it slopes slightly forward and rests on the lower side arms 27, forward movement being prevented by the portions 22 of the upper side arms and the vertical portion 21 of the member 20. Rearward movement of the iron is prevented by the lower cross bar 12 of the member 10. It will also be seen that the weight of the iron is transmitted

from the rearwardly extending portions or lower side arms 27 of the member 20 directly to the cross bar 12 of the member 10 independent of the welds 33. Inasmuch as the iron is tilted, the forward movement of the upper end of the iron is prevented by the portions 22 of the member 10 and such thrust is transmitted directly to the member 10 through the upper horizontal cross bar 25 independent of the welds 32. Spreading of the lower side arms 27 is prevented by the vertically extending arms 11 of the member 10 which embrace such side arms. Likewise the upper and lower side arms 24 and 27 are retained vertically spaced by the member 10 which, as shown, engages the under surface of the arms 27 and the upper surface of the arm 25.

From the foregoing description it will be seen that the device may be readily manufactured with a minimum expense, and when constructed will be substantially rigid and accordingly may be used to support comparatively heavy irons.

I claim:

1. An iron holder of the character described comprising a pair of substantially U-shaped members, each of said members comprising a single strand of bent wire and having a pair of substantially vertically extending horizontally spaced bar portions, one pair being joined at its lower end by a transverse bar portion and the other pair having their upper ends bent rearwardly and joined by a transverse bar portion, the first named pair having their upper ends secured to the transverse bar portion of the other member and bent rearwardly therefrom and terminating in wall engaging eyes, the second member being inverted and having its vertically extending bar portions inclined inwardly and downwardly toward each other and downwardly and inwardly toward the substantially vertical bar portions of the other member and having their lower ends bent rearwardly and then downwardly providing rearwardly extending portions and downwardly extending wall engaging portions, said last named portions terminating in upwardly opening forwardly extending hook-like portions, and wherein the junction of the vertical bars and rearwardly extending portions of the first named member are secured to the last named rearwardly extending portions of the second named member and intermediate the ends thereof.

2. An iron holder of the character described comprising a pair of substantial U-shaped members each comprising a single strand of bent wire, one of said members having a pair of elongated downwardly extending spaced bar portions joined at their lower ends by a transverse bar portion, each of said bar portions having its upper end bent rearwardly and terminating in a wall engaging portion provided with an attaching eye, the second member being inverted and comprising a pair of elongated front bar portions extending inwardly and downwardly toward each other and inclining downwardly and rearwardly toward the first named member, said last named bar portions having their upper ends bent rearwardly and joined by a horizontally extending transverse bar portion, the lower ends of said last named front bar portions being bent rearwardly and then downwardly to form wall engaging portions terminating in upwardly opening forwardly extending hooks, and wherein the rearwardly extending portions of each of said members are secured to the transverse bar portion of the other member, and with the plane passing through the wall engaging portion and planes passing through the elongated portions of the respective members all converging toward each other at their lower ends.

3. An iron holder of the character described comprising a pair of members each member comprising a single strand of wire, one of said members having a substantially horizontal transverse portion connected to the bottom of a pair of substantially vertically extending arm portions, the other ends of each of said arms being bent rearwardly and then upwardly, the upward portions thereof being formed into eyes to receive wall retaining means, the other of said members comprising a horizontal bar portion of greater length than the horizontal bar portion of the first member, a pair of forwardly extending portions at the ends of each of said last named transverse bar portions, said forwardly extending portions being bent forwardly and inwardly and then downwardly and inwardly to provide converging portions which incline downwardly and inwardly toward the arm portions of the first named members, the bottom ends of said last-named portions being bent rearwardly and then downwardly to form wall contacting portions.

4. An iron holder of the character described comprising a pair of substantially U-shaped members each comprising a single strand of bent wire, one member having a substantially horizontal bottom portion, the opposite ends of which are bent upwardly to provide a pair of spaced upwardly extending parallel bar portions the the upper ends of which are bent rearwardly to form rearwardly extending portions each of which terminates in a wall-engaging eye, the second of said members having a horizontal portion secured to and underlying the rearwardly extending portions of the first named member at their junction with the upper ends of the bar portions thereof, the horizontal portion of said second named member having its ends bent outwardly and then generally inwardly and then downwardly inwardly and rearwardly to provide a pair of front bar portions which incline rearwardly and downwardly, the lower ends of said front bar portions being bent inwardly to pass over the horizontal portion of the first named member and being secured to such horizontal portion at its junction with an adjacent upwardly extending bar portion thereof, each of the inwardly bent portions of said second named member extending inwardly from the first named member to a vertical plane passing through the eyes of such member and terminating in wall engaging portions.

JAMES L. ADAMS.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
741,007	Askin	Oct. 13, 1903
1,759,214	Winters	May 20, 1930
2,021,496	Anger	Nov. 19, 1935