

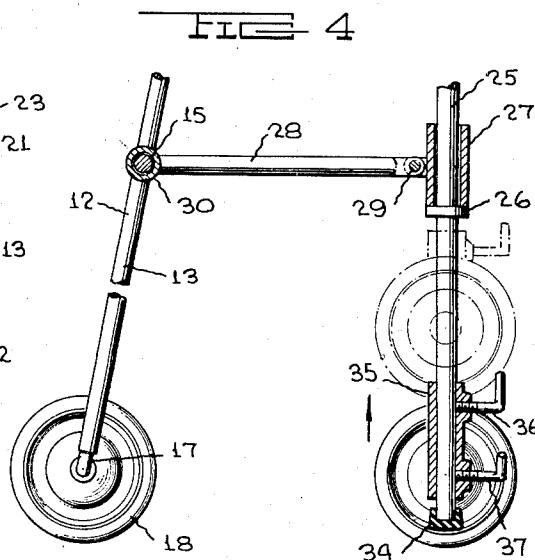
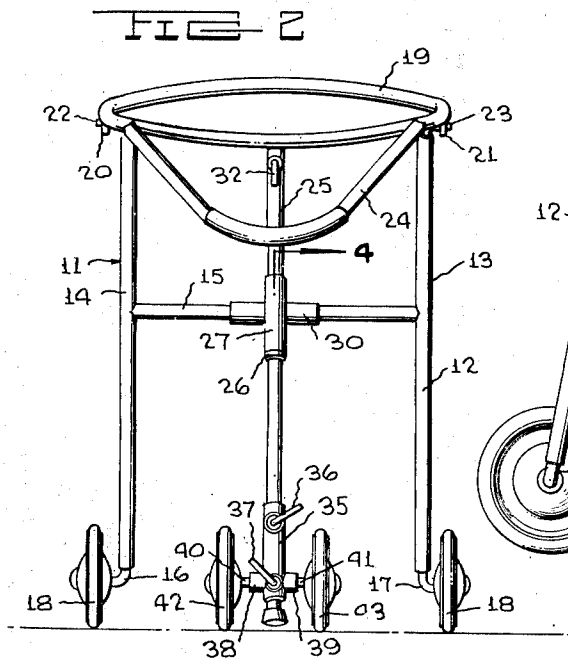
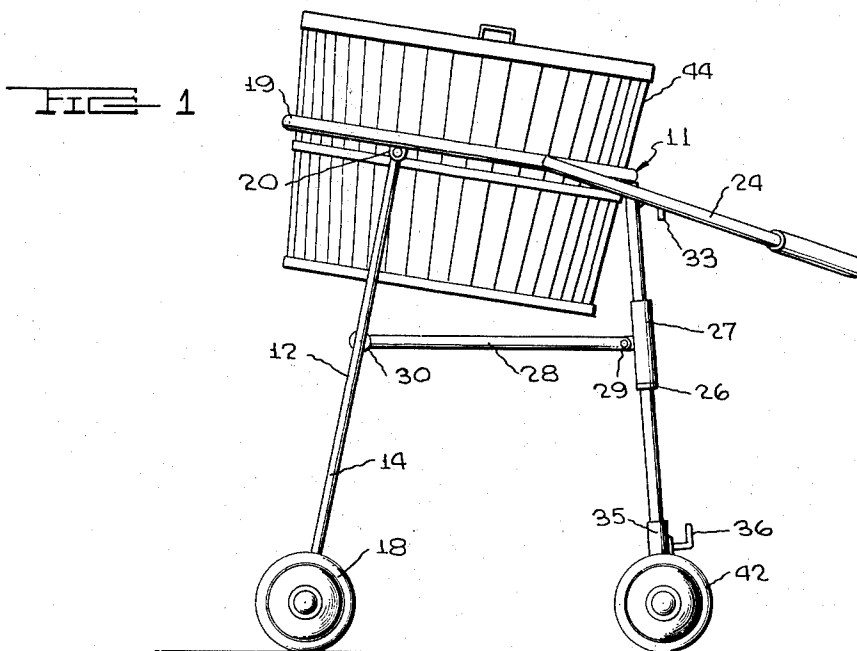
Jan. 29, 1952

I. A. GRIMES
FOLDABLE BASKET CARRIER

2,583,644

Filed March 20, 1951

2 SHEETS—SHEET 1



INVENTOR.
IVAN A. GRIMES

BY

McMorrow, Burman + Davidson
ATTORNEYS

Jan. 29, 1952

I. A. GRIMES

2,583,644

FOLDABLE BASKET CARRIER

Filed March 20, 1951

2 SHEETS—SHEET 2

FIG. 3

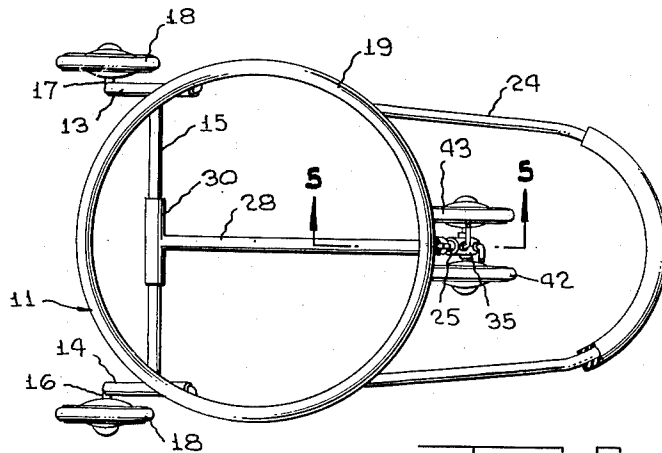


FIG. 5

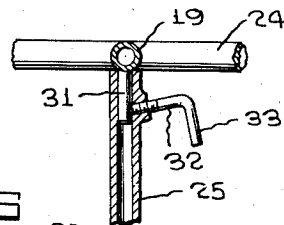


FIG. 7

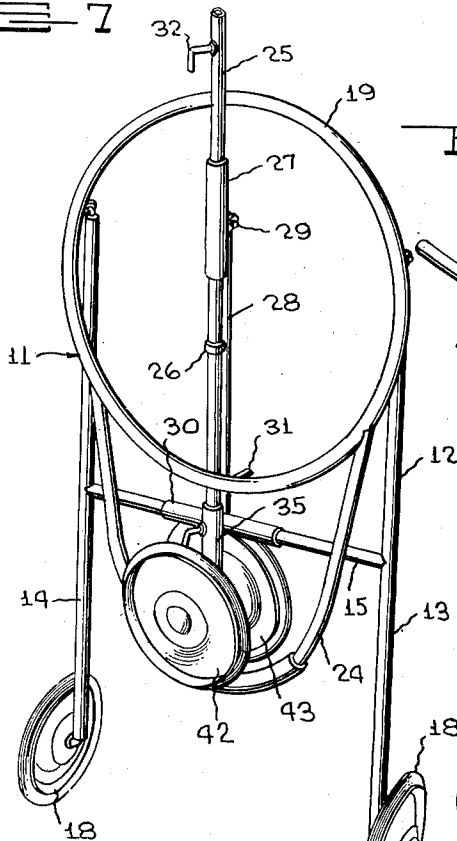
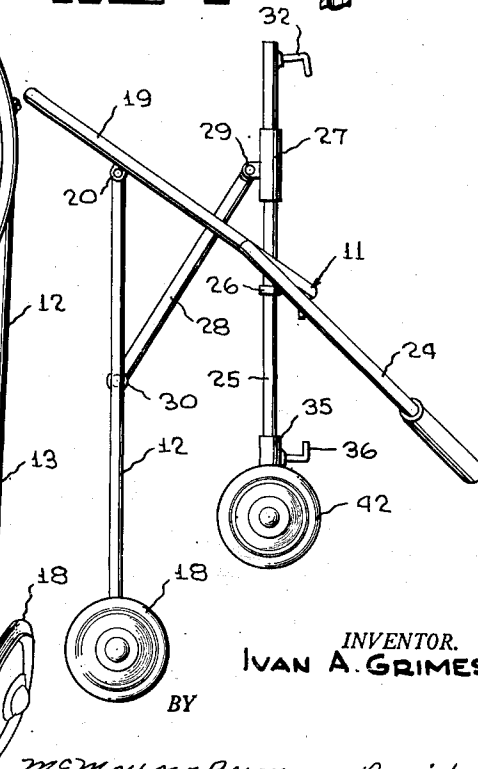


FIG. 8



INVENTOR.
IVAN A. GRIMES

BY

McMorrow, Berman & Davidson
ATTORNEYS

UNITED STATES PATENT OFFICE

2,583,644

FOLDABLE BASKET CARRIER

Ivan A. Grimes, Woodston, Kans.

Application March 20, 1951, Serial No. 216,565

2 Claims. (Cl. 280—36)

1

This invention relates to carrying carts, and more particularly to a foldable basket carrier.

A main object of the invention is to provide a novel and improved device for supporting and transporting small loads, such as laundry baskets, hampers and the like, said device being simple in construction, involving relatively few parts, and being readily foldable to a compact size when not in use.

A further object of the invention is to provide an improved foldable carrier for handling laundry baskets, hampers, and similar containers, and for supporting such containers at convenient heights, the carrier device being inexpensive to manufacture, being rugged in construction, being easy to manipulate, eliminating the carrying of heavy hampers of laundry or other material and eliminating lifting and stooping in handling laundry or the like.

Further objects and advantages of the invention will become apparent from the following description and claims, and from the accompanying drawings, wherein:

Figure 1 is a side elevational view of an improved carrier device according to the present invention shown supporting a basket in position for transportation thereof;

Figure 2 is a rear elevational view of the carrying device shown in Figure 1;

Figure 3 is a top plan view of the carrying device shown in Figure 1;

Figure 4 is a cross-sectional detail view taken on line 4—4 of Figure 2;

Figure 5 is an enlarged cross-sectional detail view taken on line 5—5 of Figure 3;

Figure 6 is a side elevational view of the carrying device in a partly folded condition;

Figure 7 is a perspective view of the carrying device of Figures 1 to 6, shown in fully folded position.

Referring to the drawings, the device is designated generally at 11 and comprises a generally H-shaped, front frame 12 having the side legs 13 and 14 and the intermediate horizontal cross-bar 15. The side legs 13 and 14 have secured to their lower ends the outwardly directed axle members 16 and 17, and journaled on said axle members are the respective ground-engaging wheels 18, 18. Designated at 19 is a generally circular ring member which is pivotally connected at 20 and 21 to the top ends of the respective legs 14 and 13, the legs 14 and 13 having secured to their top ends the respective outwardly extending pin elements 22 and 23 which are received in the apertured depending lugs, design-

2

nated at 20 and 21 provided on the ring member 19. Rigidly secured to the ring member 19 is the generally U-shaped, rearwardly extending handle 24 whose plane is inclined downwardly and rearwardly with respect to the plane of the ring member 19, as shown in Figure 1. Designated at 25 is a strut member formed at its intermediate portion with a peripheral flange 26. Slidably mounted on the upper portion of the strut member 25 and limited against downward sliding movement by the flange 26 is a sleeve member 27. Designated at 28 is a link bar which is connected at the back end to the sleeve member 27 for pivotal movement about an axis 29 transverse of the sleeve member 27, as shown in Figure 4. Rigidly secured to the forward end of the link bar 28 is a transversely extending sleeve member 30 which is rotatably mounted on the crossbar 15 of the H-shaped front frame 12.

The ring member 19 has rigidly secured to its rear portion a depending stud element 31 which is receivable in the top end of the strut member 25, as shown in Figure 5, and which may be secured therein by a clamping set screw 32 provided in the top end of strut member 25, said screw 32 being formed with the right-angled handle 33 to facilitate rotation of the screw. When the screw 32 is tightened, the strut member 25 is rigidly secured to the ring member 19 and the forward portion of the ring member 19 is supported on the wheeled, H-shaped frame 12, said frame being restrained against rotation by the link bar 28 which is connected to sleeve 27 on strut bar 25. From Figure 1 it will be seen that the H-shaped frame 12 is inclined downwardly and forwardly when the carrier is in its assembled position, whereby the load placed in the ring-shaped member 19 will provide a stabilizing effect tending to maintain the carrier framework in the assembled position thereof shown in Figure 1.

Secured to the lower end of the strut bar 25 is the rubber supporting foot 34 which may be employed to support the strut member when the carrier device is in a stationary position. Designated at 35 is a bracket or sleeve member which is slidably mounted on the lower portion of the strut bar 25 and which is provided with the respective manually operated set screws 36 and 37 for adjusting the sleeve member 35 in a desired position on the lower portion of the strut bar 25. Rigidly secured to the sleeve member 35 are the opposed, transversely extending sleeve elements 38 and 39 in which are secured the respective shaft elements 40 and 41. Journaled on

3

the shaft elements 40 and 41 are the respective wheels 42 and 43. As shown in Figures 1, 2 and 4, the sleeve member 35 may be locked to strut member 25 in a position wherein the wheels 42 and 43 engage the ground and wherein the foot member 34 is elevated out of contact therewith. In this position the carrier device may be easily moved from one position to another, as where a basket, such as shown at 44 in Figure 1, is supported in the ring member 19. When the carrier device is to be maintained in a stationary position, the hand-operated set screws 36 and 37 are released and the sleeve member 35 is elevated, allowing the strut bar 25 to be supported on its rubber foot 34, the sleeve member 35 being secured in an elevated position for such time as the carrier is to remain stationary.

When the carrier is not in use, it may be folded to the position shown in Figure 7 by first releasing the set screw 32 to disengage strut element 31 from the top end of the strut bar 25, whereby said strut bar may be detached from the ring member 19 and folded toward the H-shaped frame 12, the strut bar being received inside the ring member 19, as shown in Figure 6. When the frame elements have been folded to the position thereof shown in Figure 7, the bight portion of the handle 24 may be substantially received between the wheels 42 and 43, as shown in Figure 7, the sleeve 35 being rotated 90° from the position thereof when the carrier is in its unfolded condition. It will be readily apparent from Figure 7 that the carrier, when in folded condition, occupies a very small amount of space and may be readily transported or stored.

The various frame elements of the carrier are preferably formed of tubular metal, such as iron pipe, whereby the carrier device is light in weight and has substantial strength.

While a specific embodiment of an improved carrier device has been disclosed in the foregoing description, it will be understood that various modifications within the spirit of the invention may occur to those skilled in the art. Therefore, it is intended that no limitation be placed on the invention except as defined by the scope of the appended claims.

What is claimed is:

1. A carrier device of the character described comprising an H-shaped frame member, respec-

4

tive ground-engaging wheels journaled to the lower ends of the side legs of said frame member, a strut member, a sleeve slidably mounted on said strut member, a stop flange on said strut member limiting downward sliding movement of said sleeve, a link bar pivotally connected at one end to said sleeve and at its other end to the intermediate portion of the crossbar of said H-shaped frame member, a ring member pivotally secured to the top ends of the side legs of said frame member and detachably rigidly secured to said top end of said strut member, a U-shaped handle rigidly secured to said ring member, a bracket member adjustably secured to the lower portion of said strut member for sliding adjustment thereon, and a pair of ground-engaging wheels journaled to said bracket member.

2. A carrier device comprising an upstanding H-shaped frame member, ground engaging wheels journaled to the lower ends of the side legs of said frame member, a link bar arranged transversely of said H-shaped member and having one end rotatably supported on the crossbar of said H-shaped member, an upstanding strut member arranged adjacent the other end of said link bar and connected intermediate its ends to the other end of said link bar for pivotal movement about an axis transverse of said strut member, a ring member arranged transversely of said H-shaped frame member and said strut member and having a portion pivotally attached to the top ends of the side legs of said H-shaped member and having another portion rigidly secured to the top end of said strut member, a U-shaped handle encircling said another portion of said ring member and having the free ends of its legs rigidly secured to said another portion of said ring member, another ground engaging wheel journaled to the lower end of said strut member.

IVAN A. GRIMES.

REFERENCES CITED

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

UNITED STATES PATENTS

Number	Name	Date
963,404	Stewart	July 5, 1910
1,038,267	Bayler	Sept. 10, 1912