Oct. 21, 1941. R. P. SMITH 2,259,667

BOTTLE CARRIER

Filed March 14, 1940 2 Sheets-Sheet 1

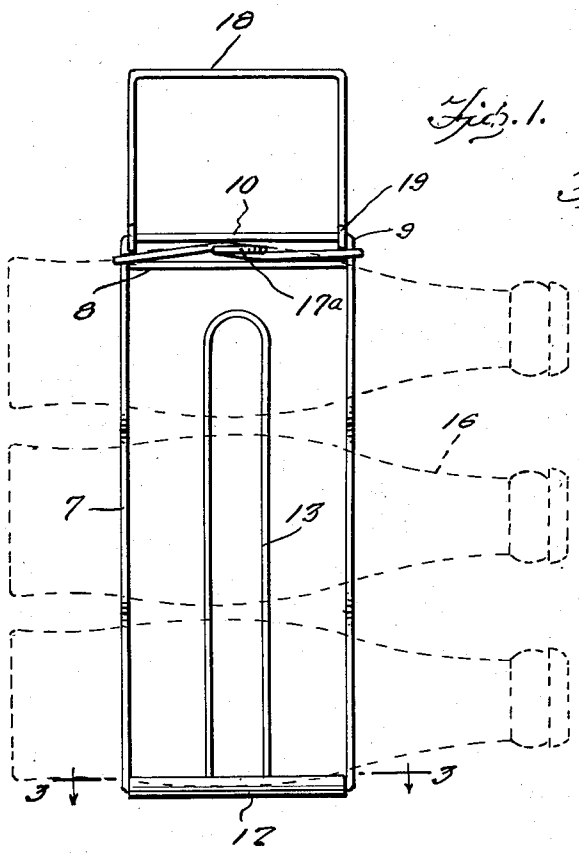


Fig. 1.

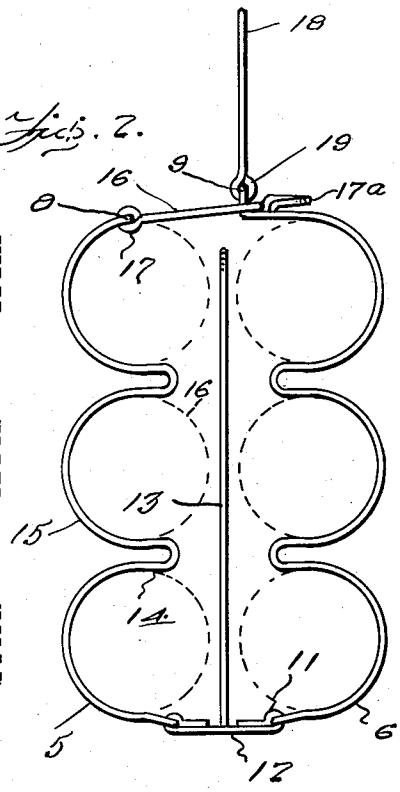


Fig. 2.

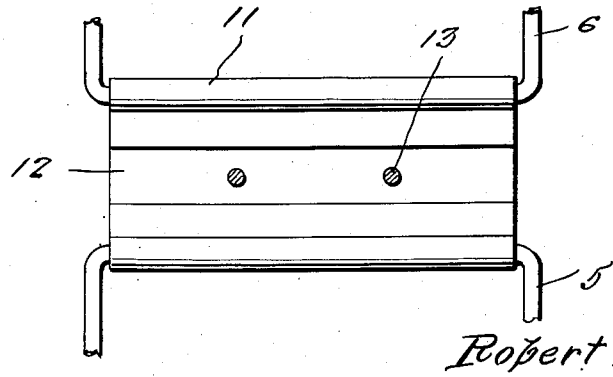


Fig. 3.

Inventor

Robert P. Smith

By Clarence A. O'Brien

Attorney

Oct. 21, 1941. R. P. SMITH 2,259,667

BOTTLE CARRIER

Filed March 14, 1940 2 Sheets-Sheet 2

Fig. 4.

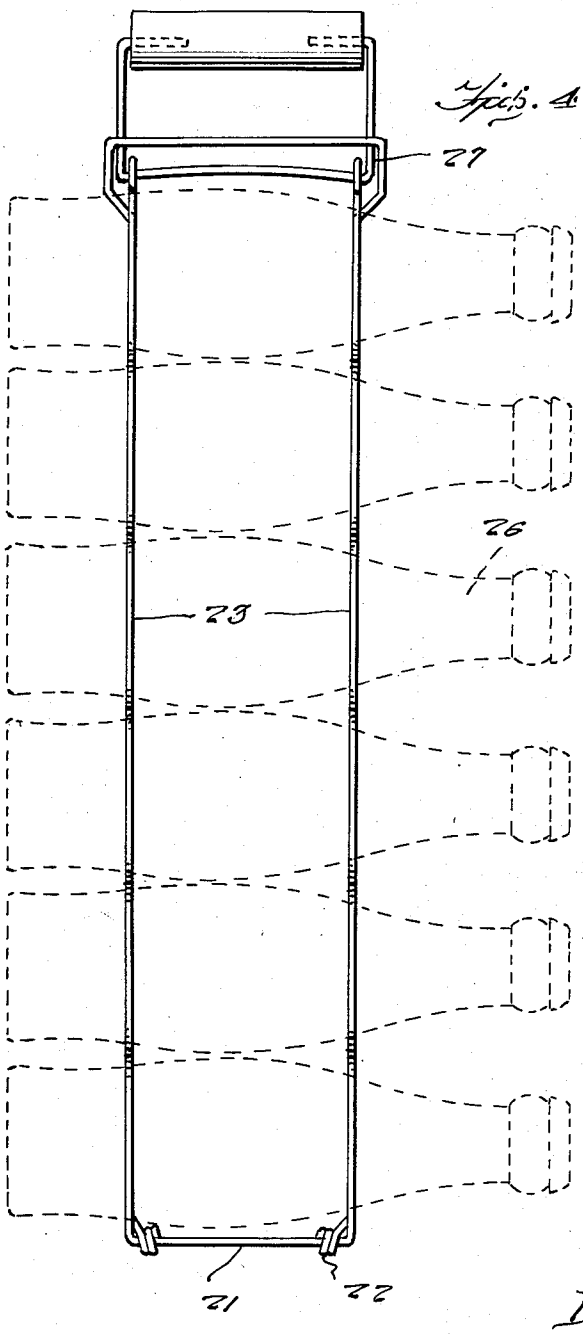
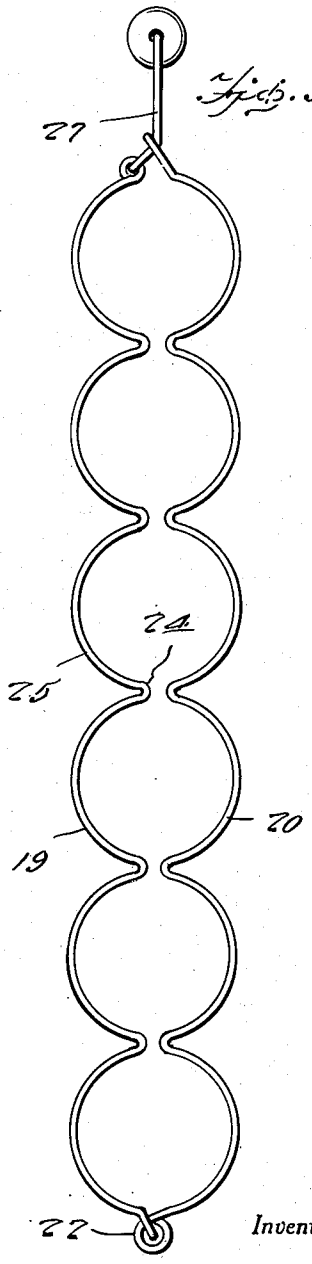


Fig. 5.



Inventor

Robert P. Smith

By Clarence O'Brien

Attorney

Patented Oct. 21, 1941 2,259,667

UNITED STATES PATENT OFFICE

2,259,667

BOTTLE CARRIER

Robert P. Smith, Crawfordsville, Ind., assignor to The Hoosier Crown Corporation, Crawfordsville, Ind.

Application March 14, 1940, Serial No. 323,967

1 Claim. (Cl. 224—45)

The present invention relates to bottle carriers, of a type designed particularly for use in carrying bottles containing soft drinks and other beverages and has for its primary object to provide a wire bottle supporting member embodying a pair of pivoted upstanding wire members, shaped to conformably receive and support the bottles in a horizontal position and providing an interlocking handle connection at the free ends of said pivoted members.

An important object of the present invention is to provide a wire bottle carrier of this character which is bent to provide spacing means between a plurality of horizontally positioned vertical rows of bottles whereby to enable the bottles to be conveniently carried without danger of breakage through direct contact of the bottles with each other.

A still further object is to provide a device of this character of simple and practical construction which is strong and durable, relatively inexpensive to manufacture and otherwise well adapted for the purposes for which the same is intended.

Other objects and advantages reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawings forming part hereof wherein like numerals refer to like parts throughout, and in which—

Figure 1 is a side elevational view of one form of the invention,

Figure 2 is an end elevational view thereof,

Figure 3 is a sectional view taken substantially on the line 3—3 of Figure 1,

Figure 4 is a side elevational view of a modified form of the invention, and

Figure 5 is an end elevational view thereof.

Referring now to the drawings in detail, and with particular reference to Figures 1 to 3 inclusive of the drawings, the numerals 5 and 6 designate a pair of bottle supporting and clamping members, each of the members including spaced upstanding portions 7, the upper ends of the portions 7 of the member 5 being connected by a cross member 8 and the upper ends of the upstanding portion 7 of the member 6 terminating in vertical extensions 9 connected by a cross member 10.

The bottom ends of the portions 7 of the members 5 and 6 extend inwardly and are pivotally clamped in the bearings 11 formed by rolling the opposite edges of a plate 12 inwardly upon itself and securing the inturned edges to the upper surface of the plate as by welding or the like. The members 5 and 6 are thus pivotally connected to the plate 12 at their bottom portions.

A U-shaped wire spacing member 13 has its end portions welded or otherwise secured to the upper surface of the plate 12, the spacing member extending perpendicularly between the members 5 and 6. Each of the upstanding portions 7 of the members 5 and 6 are bent inwardly at vertically spaced intervals to provide spacing members 14, the portions of the wire between said spacing members being curved outwardly to form recesses 15 adapted to conformably receive the bottles indicated by the dotted lines at 16, when the bottles are positioned horizontally as shown in Figures 1 and 2 of the drawings.

A U-shaped link member 16 has its end portions formed with eyes 17 which are pivotally connected to the cross member 8, the bight portion of the link being coiled to provide an outwardly projecting finger grip 17*a*. A U-shaped handle 18 is formed at its end portions with eyes 19 adapted for pivotal engagement with the cross member 10 of the member 6.

The link 16 is of a width slightly in excess of the vertical extremities 9 and the handle 18 in order that the link may receive said extremity and handle portion in the manner as shown in Figures 1 and 2 of the drawings. Accordingly, the link may be moved into locking engagement with the upstanding extremities 9 to clamp the members 5 and 6 against opposite sides of the rows of bottles 16, and when in such position the bottles may be conveniently carried by the handle 18.

When it is desired to release the bottles the finger grip 17*a* is moved upwardly, the handle 18 is swung downwardly toward the left in Figure 2 and the link 16 may then be separated therefrom and the bottles removed.

In the form of the invention illustrated in Figures 4 and 5 the pair of upstanding bottle engaging and clamping members are designated at 19 and 20, respectively, the members, in this form of the invention, being directly pivotally connected to each other at their lower ends by providing a cross member 21 at the bottom portion of the member 19 and coiling the lower ends of the member 20 to provide eyes 22 for pivotally receiving the cross member 21.

Each of the members 19 and 20 include the upstanding spaced parallel portions 23 which are bent inwardly at spaced intervals to provide the spacing members 24, the portions between said spacing members being curved outwardly as

shown at 25 to provide the bottle accommodating recesses.

In this form of the invention a single row of bottles 26 is adapted to be supported and clamped in position when arranged horizontally between the clamping members 19 and 20 and the upper ends of the members 19 and 20 are releasably secured in closed position by a conventional form of handle and locking construction indicated generally at 27.

It is believed the details of construction, and manner of operation and advantages of the device will be readily understood from the foregoing without further detailed explanation.

Having thus described the invention, what I claim is:

In a bottle carrier, a pair of metallic members each including parallel portions and a connecting portion, each parallel portion bent to provide spaced semi-circular shaped bottle receiving portions, a plate having the ends of said members hinged thereto whereby said members may be swung towards and from each other to permit bottles to be placed in and removed from the semi-circular shaped portions, said metallic members when positioned in bottle carrying position bringing the semi-circular shaped portions of one member opposite to the semi-circular shaped portions of the other member for the support of the bottles horizontally and in vertically arranged rows, a handle hinged on one of said connecting members, and a U-shaped member hinged on the other connecting member to pass over the handle for detachably connecting the metallic members against pivotal movement relative to each other, and a substantially U-shaped member fixed on said plate to lie between the rows of bottles.

ROBERT P. SMITH.