No. 759,056. PATENTED MAY 3, 1904.

# W. H. WOODMAN.

## BUNDLE CARRIER.

APPLICATION FILED FEB. 23, 1904.

NO MODEL.

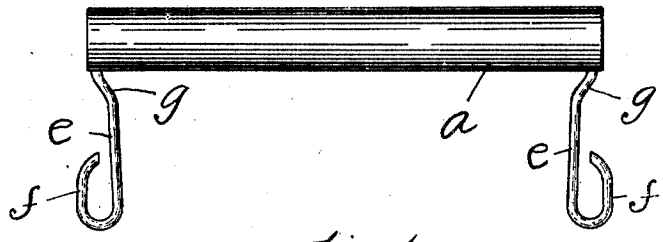



Fig. 1.

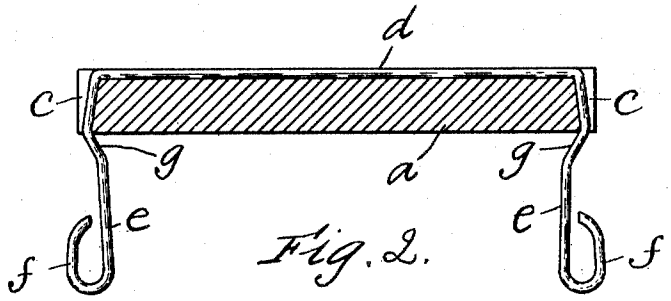



Fig. 2.

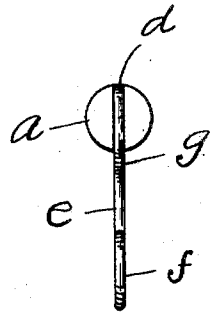



Fig. 3.

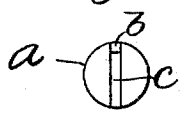



Fig. 4.

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Attys

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

No. 759,056. Patented May 3, 1904.

# UNITED STATES PATENT OFFICE.

WILLIAM H. WOODMAN, OF MELROSE, MASSACHUSETTS.

## BUNDLE-CARRIER.

SPECIFICATION forming part of Letters Patent No. 759,056, dated May 3, 1904.

Application filed February 23, 1904. Serial No. 194,712. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM H. WOODMAN, of Melrose, county of Middlesex, State of Massachusetts, have invented an Improvement in Bundle-Carriers, of which the following description, in connection with the accompanying drawings, is a specification, like characters on the drawings representing like parts.

This invention relates to that class of package and article carriers in which a handle of approximately circular section is provided with a wire bail having depending hooks at its ends which engage the cord or fastening of the package.

The object of my invention is to produce a construction which will enable the cost of manufacture of articles of the above-described character to be reduced and which will enable the handle and bail to be readily assembled, so that they need not be assembled where they are manufactured.

In the accompanying drawings, Figure 1 is a side elevation of a package-carrier made according to my invention. Fig. 2 is a central longitudinal section through the handle. Fig. 3 is an end elevation of the carrier, and Fig. 4 is an end view of the handle with the bail removed.

The handle *a* is preferably of cylindrical form and is provided with a longitudinally-extended groove *b* in the upper side thereof and an end slot *c* in each end thereof, said slots being in the same diametrical plane and said groove *b* leading into corresponding ends of said slots. The bail consists of a single wire shaped to provide a straight main or intermediate portion *d* and a depending arm *e* at each end, each arm having the usual hook *f* at its lower end. Said arms extend approximately at right angles to the main portion in approximately parallel directions. The main portion *d* of the bail is of the same length as that of the longitudinal groove *b* from one slot *c* to the other, so that said main portion may lie in the groove and the arms may lie in the slots *c*, as shown, said groove *b* being of the same depth and width as the diameter of the bail and said slots being of the same width as but of somewhat greater depth than said groove. Each arm *e* is bent toward the other to provide an inwardly-extending intermediate offset *g*, each offset in each arm *e* being at such point that it bears against the opposite side of the handle from the slot *b*. As the bail is formed of spring-wire, it will be apparent that to connect the bail to the handle after it has been bent as described it is simply necessary to spring the arms apart and slip them through the end slots of the handle until the middle portion of the bail lies in the groove of the handle. Then the arms swing together, causing the offset portion *g* to engage the under or opposite side of the handle from the groove *b*, securely holding the bail in place. By this construction I not only avoid the labor and difficulty of driving a staple into the handle over the bail, so as to hold the latter in place, but I am also enabled to eliminate the cost of assembling from the cost of manufacture of the article and to supply the handles and bails separately to storekeepers and others who have extensive use for such articles. The time taken to assemble a single handle and bail is of no consequence, although it would become an item of importance in manufacturing a large number. Moreover, by shipping the handles and bails separately I am enabled to pack them much more compactly than would be possible in shipping them after they have been assembled.

The particular shape of the offset which I form in the bail to hold the bail in place is not material, although it is material that the arms be bent in under the handle so that the handle will be firmly gripped by the bail at diametrically opposite points.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A package-carrier comprising a handle having slots extending across each end in the same diametrical plane, and a bail having an intermediate portion resting on the upper side of the handle and extending between corresponding ends of said slots, said bail having two depending, package-engaging arms arranged in said slots, and said arms each having an inwardly-offset portion arranged to engage the under side of the handle, substantially as described.

2. A package-carrier comprising a handle having a longitudinal groove in the upper side thereof, and having slots extending across each end thereof in the same diametrical plane, said slots leading into the ends of said groove, and a bail having an intermediate portion arranged in said groove and depending, package-engaging arms arranged in said slots, said arms each having an inwardly-offset portion arranged to engage the under side of the handle, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WILLIAM H. WOODMAN.

Witnesses:

L. H. HARRIMAN,

H. B. DAVIS.