W. E. KLEINE.

BAG OR CAN CARRIER.

APPLICATION FILED NOV. 17, 1908.

919,729. Patented Apr. 27, 1909.

Fig. 1.

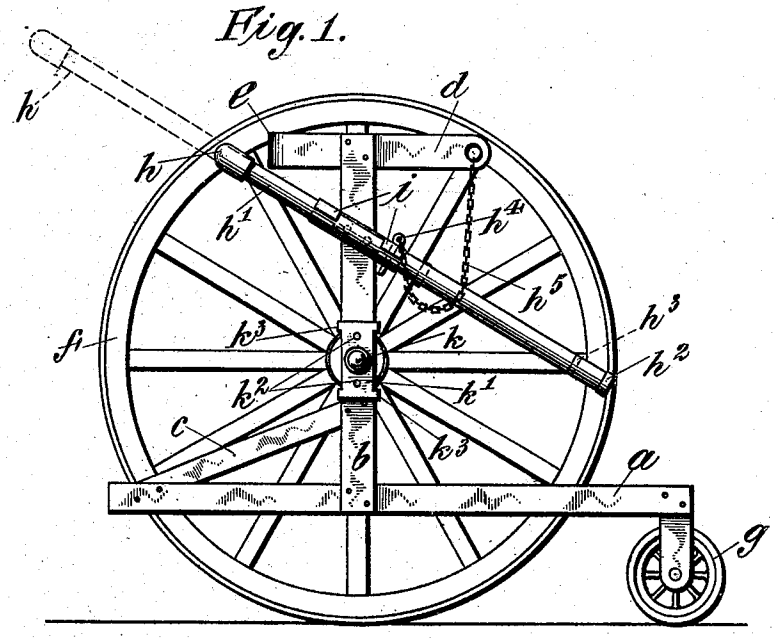


Fig. 2.

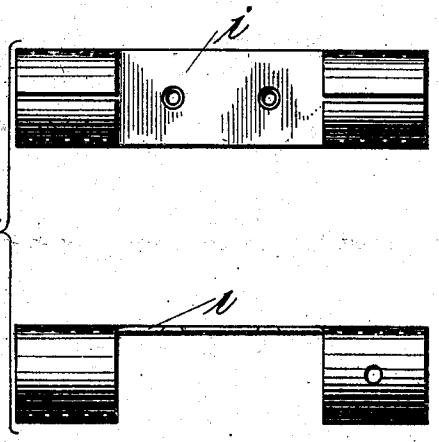
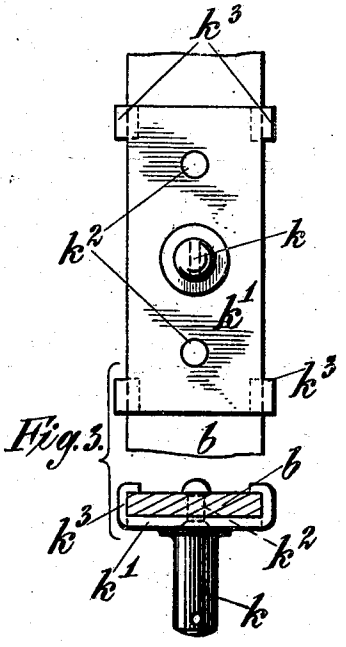


Fig. 3.



Witnesses

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WILLIAM E. KLEINE, OF NEW YORK, N. Y.

BAG OR CAN CARRIER.

No. 919,729. Specification of Letters Patent. Patented April 27, 1909.

Application filed November 17, 1908. Serial No. 463,050.

To all whom it may concern:

Be it known that I, WILLIAM E. KLEINE, a citizen of the United States, residing in the borough of Manhattan of the city of New York, in the State of New York, have invented certain new and useful Improvements in Bag or Can Carriers, of which the following is a specification, reference being had to the accompanying drawing, forming a part hereof.

This invention relates to the construction of bag or can carriers such as are used by street sweepers for supporting and moving from place to place the bags or cans into which the street dirt is deposited.

The object of the invention is to overcome certain difficulties which are experienced in the use of such carriers. Thus, by reason of the rearward projection of the fixed bail or handle which is grasped by the sweeper when the carrier is to be moved from one place to another, the carriers occupy a great amount of floor space when packed in ranks in the storehouse or barn. This is a somewhat serious matter in large cities where storage space is limited and expensive.

The object of the invention is, therefore, to so mount the bail or handle upon the carrier as to permit it to be pushed in upon the frame of the carrier, when it is not required for use, and therefore to reduce largely the storage space required, while at the same time it may be firmly supported in operative position.

The invention will be more fully explained hereinafter with reference to the accompanying drawing in which—

Figure 1 is a view in side elevation of a bag and can carrier which embodies the invention with the near wheel removed. Fig. 2 shows detail views of one of the sockets for the support of the bail or handle. Fig. 3 shows detail views of one of the stud axles and the means for securing the same to the carrier frame.

The bag or can carrier shown in the drawing comprises a bottom frame a, vertical frame members b, which are stiffened by braces c, a bag hoop d, carried by the vertical frame members b, a chain or strap e which coöperates with the hoop d in holding a can in place, large wheels f and, usually, small steadying wheels g. The bail or handle h, which is grasped by the sweeper when the carrier is to be moved from place to place, is usually mounted fixedly upon the carrier frame. In the present case, however, there is secured upon each of the vertical frame members b, a socket i, formed in any convenient manner, and secured to the frame member at a suitable angle. The side members h' of the bail or handle h are inserted through the sockets i and may be prevented from being wholly withdrawn by caps or thimbles h^2 upon the ends of the frame members.

In each side member h', near its end is formed a hole h^3 which is adapted to receive a pin h^4 which may be hung upon the carrier by a light chain h^5. When the handle h is drawn out to its operative position the pin h^4 is inserted in the hole h^3, the pin standing between the two parts of the socket or passing through a hole formed in the socket and through the hole h^3 in the side member. By this means the handle is held rigidly in operative position and can be grasped by the sweeper for the purpose of moving the carrier from place to place. When, however, the carrier is in the storehouse or barn, the pin h^4 is withdrawn and the handle is shoved down into the position indicated by full lines in Fig. 1, so that one carrier may be nested with the next and, therefore, occupy, for storage, hardly one-half of the floor space which it would necessarily occupy if the handle h were, as usual, fixedly secured to the frame.

Each wheel f is mounted upon a stud axle k and the latter is, as usual, cast upon or welded to a plate k'. The plate k', in turn, is riveted to the corresponding vertical member b of the carrier frame which is made of flat iron, being usually secured by rivets k^2. These rivets are frequently sheared off or broken off, as these carriers are ordinarily constructed, but in the construction of the improved carrier, this defect is remedied by providing each plate k', at each end thereof, with lips or ears k^3 which are cramped over the edges of the flat iron vertical frame member b. The plate k' is therefore secured with great rigidity to the frame member, so that the liability of the rivets to work loose and to be sheared off is greatly reduced, and

much of the strain is thereby also taken from the rivets, while the vertical frame members are at the same time stiffened.

The life of the carrier as thus constructed is much greater in the ordinary use of the carrier than when the stud axle is secured to the frame by riveting only as heretofore.

I claim as my invention:

1. A bag or can carrier comprising a bottom frame, vertical side members, a bag hoop, stud axles secured to the side members, wheels mounted thereon, a bail or handle mounted movably upon the side members, and means to secure the bail or handle rigidly in operative position with respect to the side members.

2. A bag or can carrier comprising a bottom frame, vertical side members, a bag hoop, stud axles secured to the side members, wheels mounted thereon, sockets secured to the side members, and a bail or handle having its side members arranged to slide through said sockets.

3. A bag or can carrier comprising a bottom frame, vertical side members, a bag hoop, stud axles secured to the side members, wheels mounted thereon, inclined sockets mounted on the side members, a bail or handle having side members arranged to slide through said sockets, and pins to engage the side members of the bail or handle and the sockets and retain the bail or handle rigidly in position.

This specification signed and witnessed this 16th day of November, A. D., 1908.

WILLIAM E. KLEINE.

Signed in the presence of—
W. B. GREELEY,
ELLA J. KRUGER.