

A. F. KNORP.
Soda Bottle Carrier.

No. 165,005.

Patented June 29, 1875.

Fig. 1.

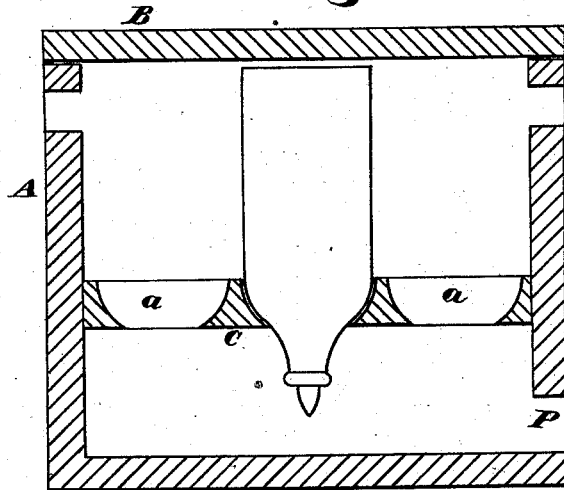


Fig. 2.

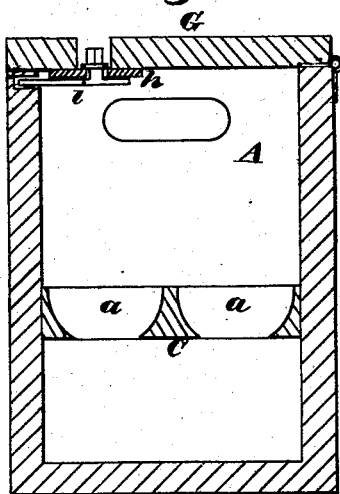


Fig. 3.

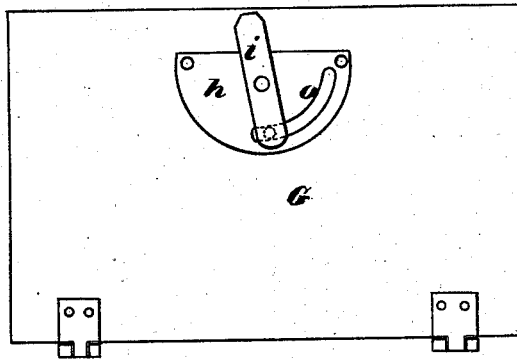
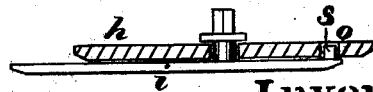


Fig. 4.



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ALBERT F. KNORP, OF SAN FRANCISCO, CALIFORNIA.

IMPROVEMENT IN SODA-BOTTLE CARRIERS.

Specification forming part of Letters Patent No. **165,005**, dated June 29, 1875; application filed May 25, 1875.

To all whom it may concern :

Be it known that I, ALBERT F. KNORP, of San Francisco city and county, State of California, have invented an Improved Soda-Bottle Carrier; and I do hereby declare the following description and accompanying drawings are sufficient to enable any person skilled in the art or science to which it most nearly appertains to make and use my said invention or improvement without further invention or experiment.

The object of my invention is to provide an improved case or carrier for bottled liquids, and which is especially intended for carrying liquids which are contained in bottles under pressure, such as soda-water, ginger-beer, and the like.

In order to describe my invention, so that others will understand its construction and operation, reference is had to the accompanying drawings, forming a part of this specification, in which—

Figures 1 and 2 are sectional views of my carrier. Fig. 3 is a view of the lower side of the cover. Fig. 4 is a view of the lock.

Let A represent a box or case of any desired size or shape, and which is provided with a cover, B. Inside of this box or case, at the proper distance from its bottom, I construct a horizontal partition, C, which should be at least an inch and a half in thickness, although a board of less thickness could be used, if desired. Through this partition I make the holes *a*, in which the bottles are to be held. These holes are wider at the top than at the bottom, and their sides are concave, so that the shoulders of the inverted bottles will fit snugly in them, and so that they will provide a perfect seat to support the bottles in their inverted position. These holes I make quite close together, so that when a bottle is placed in each hole but a small space will be left between the bodies of the bottles, thus preventing them from knocking against each other with sufficient force to break them when the case is moved or shaken. The shape of the holes corresponds so closely with the shape of the shoulders of the bottles that the bottles will be quite firmly seated and it will require more than an ordinary shock to displace them.

The ordinary method of holding these bottles in place is to employ two partitions, one above another. In this case the holes in the upper partition were made large enough to admit the body of the bottle, while the holes in the lower one were only large enough to admit the neck of the bottle.

This arrangement is not so simple and compact as that above described, and when soda-bottles which were provided with automatic stoppers were used the stoppers were frequently displaced by striking them against the lower partition when placing them in the racks, because the lower board or partition was concealed from view by the upper partition, thus often wasting the contents of a bottle.

By my arrangement this trouble is avoided, and a much neater and cheaper device is provided.

In one end of the case A I make an opening, P, near the bottom and below the partition C, through which any broken pieces of glass or other substance which may get below the partition can be easily removed, and which will permit any liquid to pass out which may get into the case, either by the breakage of a bottle or otherwise.

I thus provide a cheap and simple soda-bottle carrier or case. The partition C, with its tapering holes with concave sides, can also be used in an open soda-bottle carrier.

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

1. The partition C of a soda-bottle carrier, having the tapering hole *a*, with its concave side, which is made to fit the shoulder of the bottle, substantially as and for the purpose described.

2. A case or carrier for soda-bottles, having the single partition C, with its tapering concave holes *a*, and provided with the opening P below the partition, substantially as and for the purpose described.

In witness whereof I hereunto set my hand and seal.

ALBERT F. KNORP. [L.S.]

Witnesses:

GEO. H. STRONG,
JNO. L. BOONE.