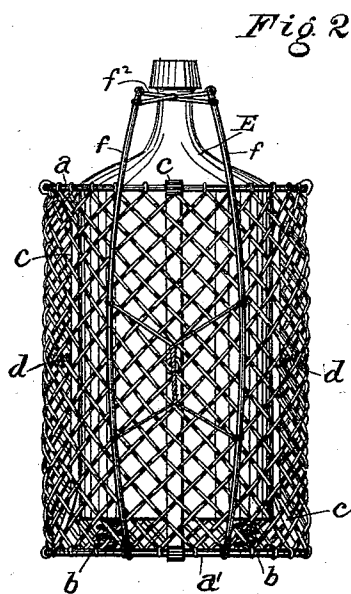
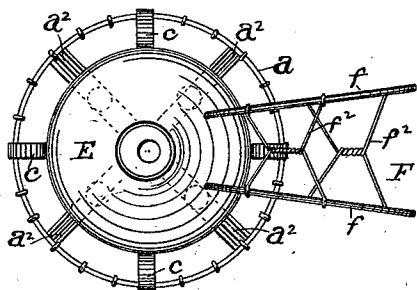
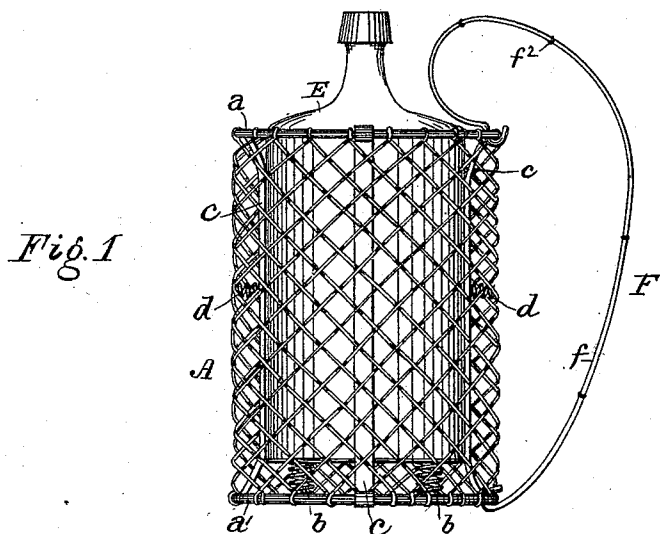


(No Model.)

E. C. BROWN.
BOTTLE CASE.

No. 538,866.

Patented May 7, 1895.



Witnesses
Roland Riders
Sam Brant

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UNITED STATES PATENT OFFICE.

EDWIN C. BROWN, OF CLEVELAND, OHIO.

BOTTLE-CASE.

SPECIFICATION forming part of Letters Patent No. 538,866, dated May 7, 1895.

Application filed January 22, 1895. Serial No. 635,757. (No model.)

To all whom it may concern:

Be it known that I, EDWIN C. BROWN, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Bottle-Cases; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in protective cases for bottles; its objects being at the same time to improve the efficiency and utility of the same, and to afford means for safely handling bottles; and it consists in the novel features of construction and combination hereinafter described and pointed out in the claims.

In the drawings, Figure 1 represents in side elevation a bottle-case embodying my invention, with a combined rocker and handle attached thereto. Fig. 2 is a side view at right angles to Fig. 1, and Fig. 3 is a top plan view of the same.

In handling large bottles, to which my invention has especial but not exclusive reference, great difficulty is often experienced in securely holding and manipulating the same, either for pouring out or inspecting their contents. Cases in which such bottles may be stored and shipped have been employed, but they have heretofore had the objectionable features of being heavy, not much more easily manipulated than the bottles themselves, and of preventing the inspection of the contents of the bottle without removing it from its case. I avoid all these objections by the construction of case shown in the drawings, in which—

A represents the case, made of stout wire woven with open meshes, in the form of a cylindrical tube open at both ends and having at each end a strengthening ring of stout wire or rod $a a'$ around which the ends of the woven wire of the sides are secured. The cylinder thus formed is not only light and strong but is also somewhat springy and serves not only as a protecting case for the bottle, in which the latter may be shipped or stored, but also as a means for handling

and manipulating the bottle, as it affords an admirably secure hold for the hands.

Across the lower end of the case A are passed one or more strands or bands of wire a^2 securely attached at their ends to the bottom ring a' of the case. These prevent the bottle from slipping through the case, and are in addition preferably provided with springs $b b$ upon which the bottle rests and which act as a cushion when it is set down, or when the case is used as a shipping case. In addition I prefer to provide the case A with internal springs on the sides to hold the bottle steady and prevent its rattling in the case or shaking up its contents, and to further cushion the bottle against jar or accidental blows. To effect this I arrange springs $c c$ in the form of flat strips secured at their ends to the rings $a a'$ and presenting a convex contour to the bottle.

If the case is for unusually large bottles the springs $c c$ instead of being made proportionately stronger may be reinforced by springs $d d$ interposed at one or more places between the springs c and the woven wire side of the case, so as to hold springs c firmly against the side of the bottle E. When the case is thus constructed the bottle, however large, is fully protected by the combined resiliency of the woven wire case and the several springs. The same case will hold several different sizes of bottles equally well. The contents of the bottles are fully visible at every point, including the bottom of the bottle, which it is often desirable to examine for sediment, &c. The case being open at the bottom, nothing which may be accidentally dropped therein can lodge there to endanger the breaking of the bottle. It is impossible to drop the bottle in handling it. The case affords the most perfect means for lifting and carrying about the bottle. The bottle can safely be shipped with no other protection than its case; and finally, the bottles with their cases stow in a larger packing case so securely that no other packing or filling is required to insure their safety when several are packed in a single box.

As a further means of facilitating the handling of the bottles and cases, I combine

with the case A a detachable handle and rocker F, composed of stout curved rods *ff*, hooked at each end to engage the rings *a a'* and having their upper ends curved over the bottle and recurved to engage the ring *a*, so that when in place the recurved upper ends of the handle or rocker hold the bottle in the case, even when turned completely over. To prevent the spreading apart of the rods *ff* when in use, cross stays of stout wire *f²* are secured between them, as seen in Figs. 2 and 3.

By means of the rocker F the case can be lifted and carried; the bottle is prevented from jolting or slipping out; and the contents of the bottle to the last drop can be steadily and safely poured out, without any agitation of the contents or any liability of their spurting or swashing. The handle F is made longer between its hooked ends than the length of the case A, so that it has to be sprung together to hook it on, and when in place its own spring holds it securely, while it is readily transferred from one case to another.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The bottle-case hereinabove described composed of a woven wire cylinder having a strengthening ring at each end, cross strands at one end having springs to support the bottle, springs extending lengthwise of the cylinder and secured at their ends to the strength-

ening rings with their central portions projecting into the cylinder substantially parallel therewith, substantially as described.

2. In a bottle case the combination of a woven-wire cylinder having a strengthening ring at each end, cross strands at one end having springs to support the bottle, springs extending lengthwise of the cylinder and secured at their ends to the strengthening rings with their central portions projecting into the cylinder, and springs interposed between the lengthwise springs and the side of the case, substantially as described.

3. The combination of the woven-wire cylinder having a strengthening ring at each end, cross strands at one end having springs to support the bottle, springs within the cylinder extending lengthwise thereof and having their ends secured to the strengthening rings and their central portions projecting into the cavity of the cylinder, and a rocker having its ends attached to the strengthening rings and its top portion curved over the bottle to retain the same in the case, substantially as described.

In testimony whereof I hereto affix my signature in presence of two witnesses.

EDWIN C. BROWN.

Witnesses:

ROLAND RIDER,
WM. G. TAYLOR.