A. CLEVELAND.

PAIL.

APPLICATION FILED APR. 29, 1908.

925,457. **Patented June 22, 1909.**

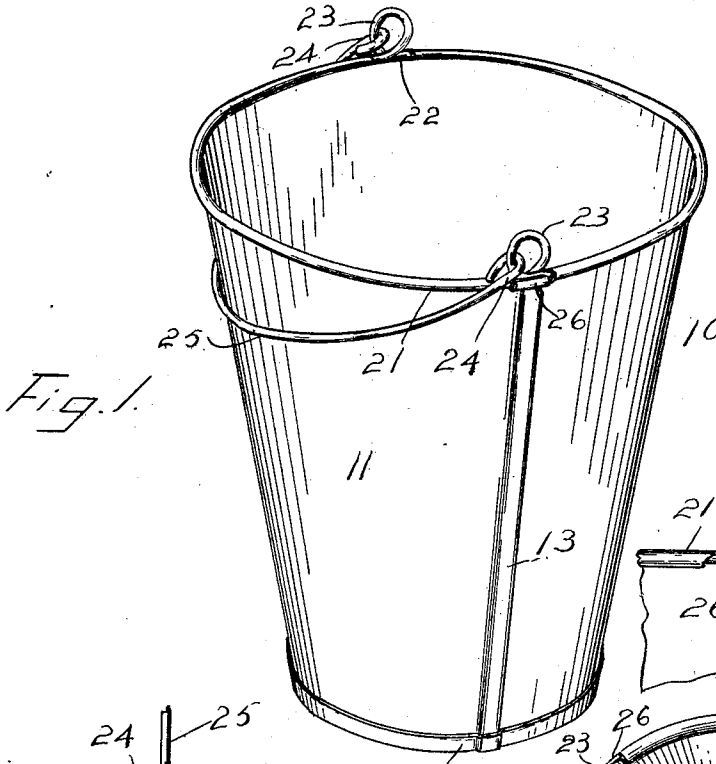


Fig. 1.

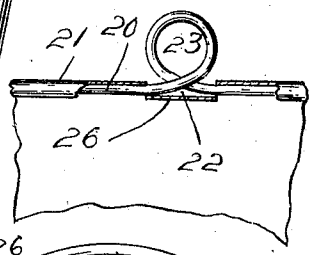


Fig. 4.

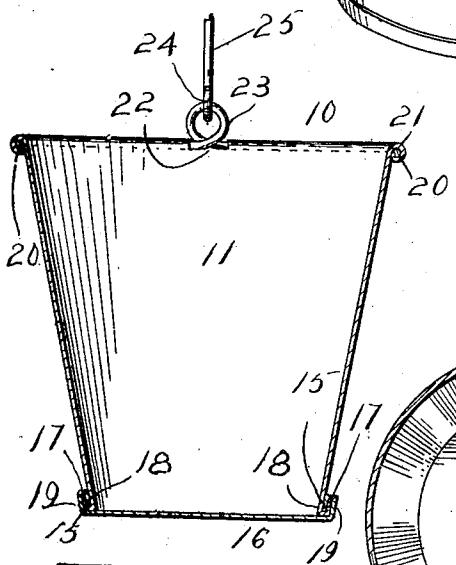


Fig. 2.

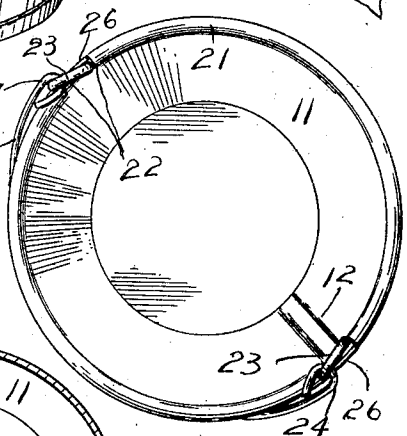


Fig. 3.

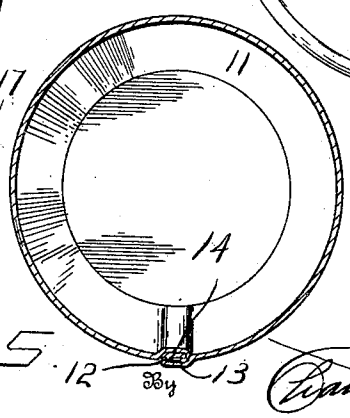


Fig. 5.

Witnesses

J. C. Simpson.

Jno. F. Miller

Inventor

Andrew Cleveland.

By Chandlee & Chandlee

Attorneys.

THE NORRIS PETERS CO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

ANDREW CLEVELAND, OF CANBY, MINNESOTA, ASSIGNOR OF ONE-HALF TO THOMAS O. ROCK, OF CANBY, MINNESOTA.

PAIL.

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Application filed April 29, 1908. Serial No. 429,967.

To all whom it may concern:

Be it known that I, ANDREW CLEVELAND, a citizen of the United States, residing at Canby, in the county of Yellow Medicine, State of Minnesota, have invented certain new and useful Improvements in Pails; 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.

The invention relates to a receptacle and more particularly to buckets, pails or the like having resilient bail or handle engaging loops.

The primary object of the invention is the provision of a receptacle such as a pail, bucket or the like formed preferably of metal and having a body of a single piece of material, the ends thereof being connected by a lap interlocking seam, a bottom secured to the body by interlocking flanges pressed or rolled together to form a lapped annular seam exterior of the body, said body at its open mouth portion having a curled annular flange receiving a strengthening or reinforcing wire so bent on itself at diametrically opposite points to produce coiled resilient loops to which is connected a handle or bail and immediately below the resilient loops and cut from the body are upwardly curved bearing ears for the said loops.

Another object of the invention is the provision of a receptacle such as a bucket, pail or the like which is simple of construction, durable, efficient and inexpensive in the manufacture.

With these and other objects in view the invention, for example, consists in the construction, combination and arrangement of parts which will be more fully hereinafter described in detail, and as illustrated in the accompanying drawings wherein is disclosed a preferred embodiment of the invention, although changes, variations and modifications may be made such as will come properly within the scope of the claim hereunto appended.

In the drawings:—Figure 1 is a perspective view of the invention. Fig. 2 is a longitudinal sectional view. Fig. 3 is a top plan view. Fig. 4 is a fragmentary sectional view of a portion of the body showing in side elevation and in detail the coiled resilient bail or handle engaging loop. Fig. 5 is a horizontal sectional view.

Similar reference characters indicate corresponding parts throughout the several views in the drawings.

In the drawings, the numeral 10 designates generally the receptacle, such as a pail, preferably formed of metal and includes a body 11 formed of a single piece of material which is rolled on itself to produce the cylindrical downwardly tapering side wall of the pail and one meeting edge of said body 11 is bent outwardly and inwardly to form a locking flange 12, while the other meeting edge of said body 11 is bent outwardly and extended as at 13 over the outer face of said locking flange 12 and then folded inwardly as at 14 between said locking flange 12 and the body 11, whereby an overlapped interlocking seam is effected. The lower reduced portion of the body 11 at its peripheral edge is turned outwardly and upwardly as at 15 to form a locking flange to which is secured a bottom 16 formed of a single piece of material, the peripheral edge thereof being bent upwardly as at 17 and then bent inwardly on itself as at 18 between the flange portion 17 and the body 11 whereby an ovelapped interlocking securing flange 19 is provided exteriorly of said body to securely affix the bottom thereto. Circumferentially on the outer face of the body 11 near its flared open mouth portion is a reinforcing or strengthening wire 20 formed of a single strand and which fits within or is housed by an integral roll or curl 21 at the upper edge of said body and this curl or annular roll 21 is cut into at diametrically opposite points to form spaces 22. The strengthening wire 20 is bent on itself at diametrically opposite points to form upwardly projecting coiled resilient bail-engaging loops 23 which latter occupy the spaces 22 or in other words permit the said loops to project upwardly from the body portion of the pail. It is obvious that due to the wire being bent on itself to form the coiled resilient loops 23 the latter produce closed resilient eyes to which are connected the loop extremities 24 of a bail or handle 25.

Directly below the resilient loop 23 are outwardly projected curved ears 26 forming bearings for the latter and which ears 26 are

produced by the cutting into of the annular curl 21 to form the spaces 22 to permit the projection of the resilient loops. These bearing ears 26 prevent said loops 23 from being forced inwardly should the pail become upset by having its mouth edge strike the ground or other solid structure.

It is obvious that by bending the wire on itself at diametrically opposite points for producing the coiled loops 23 having connection with the bail or handle 25 effects or permits yieldability or resilient qualities at the said diametrically opposite points of the pail whereby when the pail is raised and being transported or carried by the bail or handle and if any jolts or jars occur during the transportation or carrying of the pail the said jolts or jars will be taken up or minimized by the resilient qualities of the bail loops.

What is claimed is—

A receptacle of the class described comprising a body having at its open mouth portion an annular outwardly curled edge provided with diametrically opposite spaces, a strengthening wire housed within the curled edge and twisted at diametrically opposite points to form upwardly projecting coiled resilient bail engaging loops protruding vertically through said spaces, bearing ears arranged immediately below the resilient loops, and a bail flexibly connected to the resilient loops.

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

ANDREW CLEVELAND.

Witnesses:

THOMAS O. ROCK,

J. E. VANSTROM.