June 21, 1932. E. H. BRIDGE 1,864,168

STORAGE BATTERY HANDLE

Filed Jan. 20, 1931

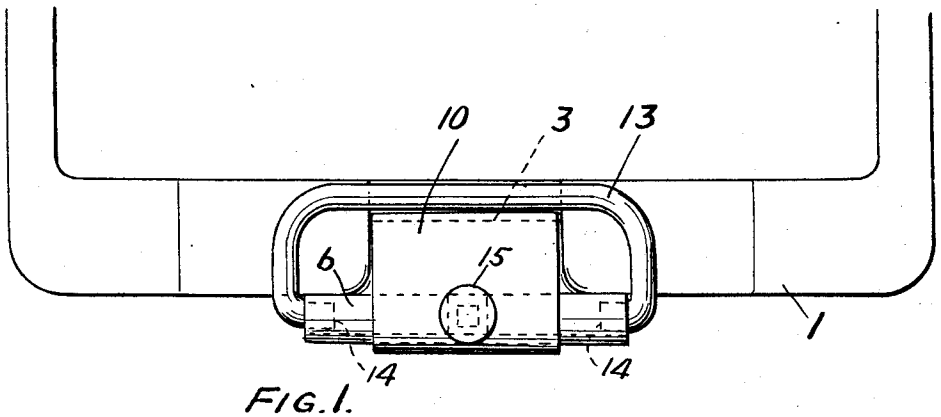


FIG. 1.

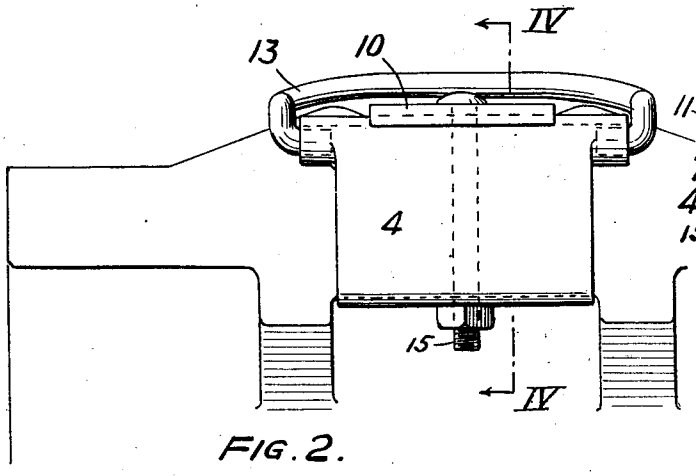


FIG. 2.

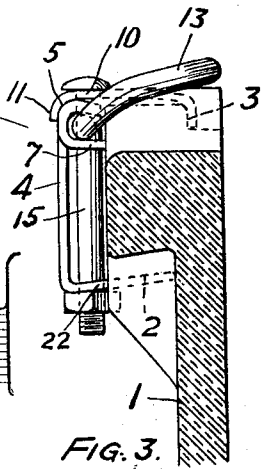


FIG. 3.

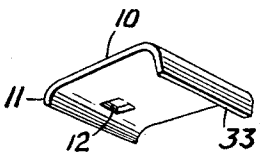


FIG. 6.

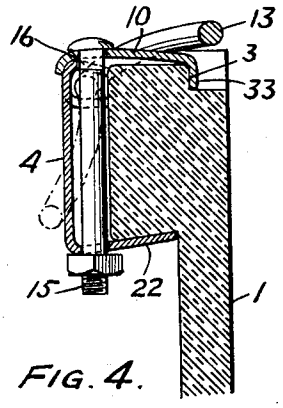


FIG. 4.

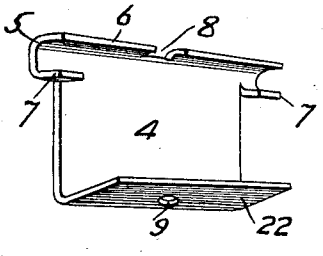


FIG. 5.

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1,864,168

UNITED STATES PATENT OFFICE

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STORAGE BATTERY HANDLE

Application filed January 20, 1931. Serial No. 509,913.

My invention comprises a handle primarily designed for use with storage batteries but which may be applied to any desired article.

My improved device consists of a casing, a side plate having a face adapted to contact against a shoulder on said casing, a top plate adapted to contact with another shoulder on said casing and to rock about the top of said side plate as a hinge, a grip portion received between said side plate and said casing, and a bolt clamping said side plate and said top plate on said casing and fastening said grip portion therein.

For a further exposition of my invention reference may be had to the annexed drawing and specification at the end whereof my invention will be specifically pointed out and claimed.

In the drawing,

Figure 1 is a plan view of my improved handle.

Figure 2 is a side elevation of my device.

Figure 3 is an end view with parts broken away.

Figure 4 is a vertical cross section on the line IV—IV of Figure 2 in the direction of the arrows.

Figure 5 is a perspective view of the side plate, and

Figure 6 is a perspective view of the top plate.

In the embodiment of my invention chosen for illustration in the drawing, my improved handle is shown as applied to a storage battery having a casing generally indicated at 1. Said casing has thereon a shoulder 2 most clearly seen in Figures 3 and 4. This shoulder is inclined slightly to the horizontal being higher at its inner end. Casing 1 also has on its top edge another shoulder 3. My improved handle consists of a side plate 4 having at its lower end a lip 22 which is bent to interfit with shoulder 2 of casing 1. At its upper end side plate 4 has a bearing surface 5 and an inwardly projecting lip 6 which is adapted to engage against the side wall of casing 1. Beneath lip 6 on either side of side plate 4 there are struck up tongues 7 opposite lip 6. Lip 6 has a notch or other orifice 8 therein which is aligned with a hole or other orifice 9 in lip 22. To cooperate with side plate 4 there is provided a top plate 10 having at its inner end a lip 33 adapted to engage with shoulder 3 and at its outer end a tongue 11 of a curvature slightly greater than that of the bearing surface 5 of side plate 4. Top plate 10 has an orifice 12 therein. This is preferably square as shown in the drawing.

Means for manually grasping my handle are provided by grip portion 13 which has curved ends 14 adapted to be received between lip 6 and tongue 7 of side plate 4 so as to be pivotally mounted therein and held in position by side plate 4 against casing 1.

Side plate 4 and top plate 10 are secured together as by bolt 15 which has at its upper end a square portion 16 adapted to interfit with the square orifice 12 in top plate 10.

It will be noted that there is a hinge motion of top plate 10 about the bearing surface 5 of side plate 4 so that my handle may be clamped by means of bolt 15 on casings having a varying vertical dimension. By means of the slight inclination of shoulder 2 and lip 22 to the horizontal a better grip of the side plate on the casing 1 is secured.

I do not intend to be limited in the practice of my invention save as the scope of the prior art and of the attached claims may require.

I claim:

1. A handle for a container comprising a casing, a side plate having at its upper end a bearing surface and at its lower end a lip adapted to engage a wall of said casing, a top plate mounted for hinge movement upon the bearing surface of said side plate, a grip portion having bent ends received between said side plate and said casing, and means for clamping said side plate and said top plate on said casing and securing said grip portion thereto.

2. A handle for a container including a casing having a shoulder thereon inclined slightly upwardly and inwardly to the horizontal, a side plate having at its upper end a bearing surface and at its lower end a lip fitted to engage with said shoulder, a grip portion having bent ends located between said

side plate and said casing, a top plate mounted for hinge movement on the bearing surface of said side plate and having a lip engaging a wall of said casing, and a bolt clamping said top plate and said side plate on said casing and securing said grip portion thereto.

3. A handle for a container including a casing having on its side wall a shoulder slightly inclined upwardly and inwardly to the horizontal and having on its top surface a notch recessed from the inner edge of the wall and providing a vertical wall, a side plate having a lip adapted to fit with said horizontally inclined shoulder and having at its upper end a bearing surface and horizontally projecting lips and tongues opposite said horizontally projecting lips, a top plate mounted for hinge movement on said bearing surface and having at its inner end a lip engaging the vertical wall in said notch, a grip portion having bent ends secured between the horizontally projecting lips and the tongues on said side plate, and a bolt clamping said side plate and said top plate on said casing and securing said grip portion between said side plate and said casing.

ELLIS H. BRIDGE.