Dec. 29, 1936. F. F. PLACK 2,066,301

HANDLE CONSTRUCTION

Filed March 16, 1936 2 Sheets-Sheet 1

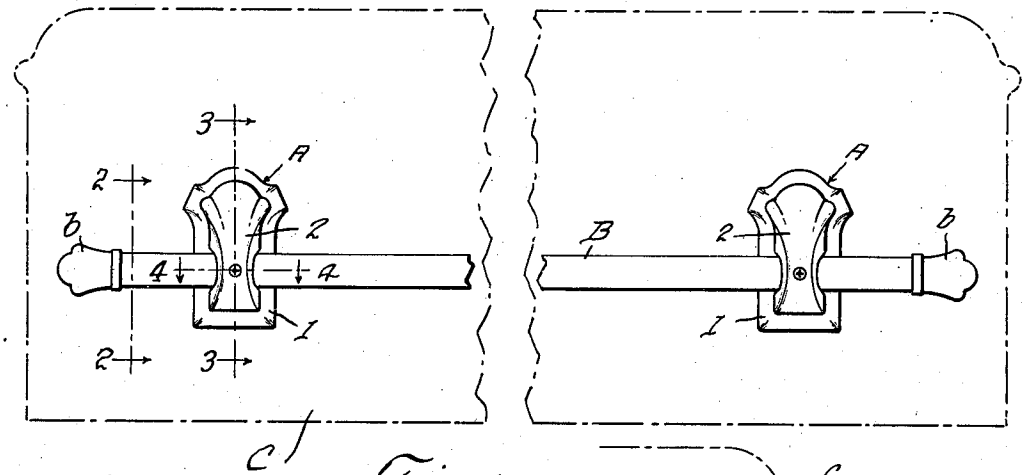


Fig. 1

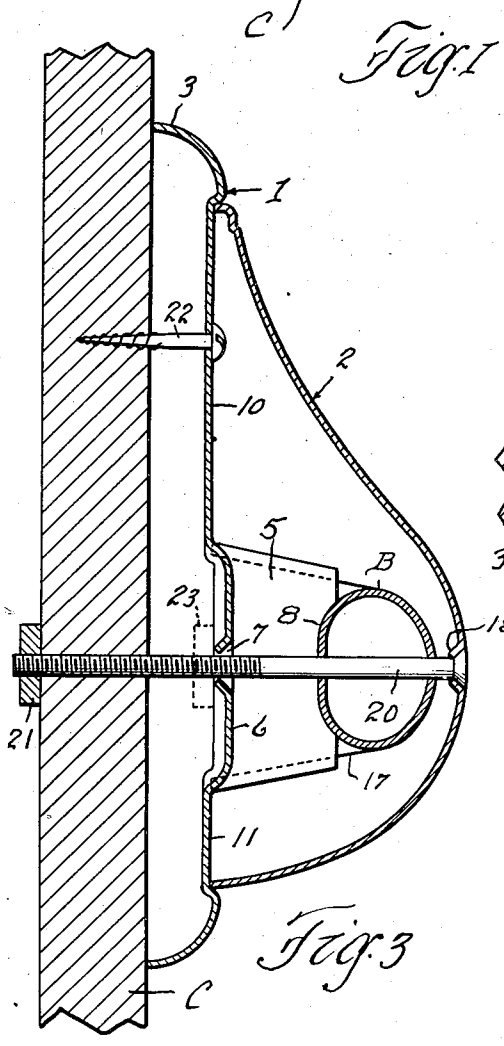


Fig. 3

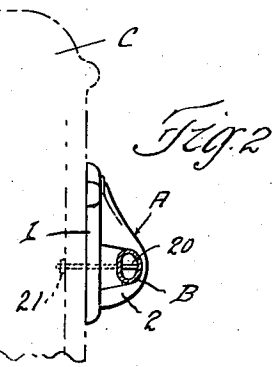


Fig. 2

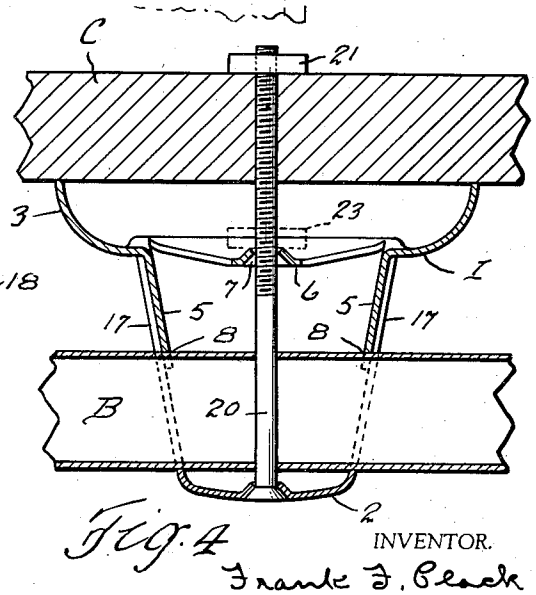


Fig. 4

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HANDLE CONSTRUCTION

Filed March 16, 1936 2 Sheets-Sheet 2

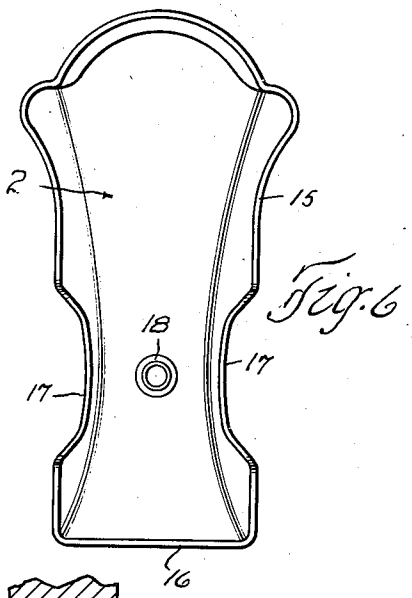


Fig. 6

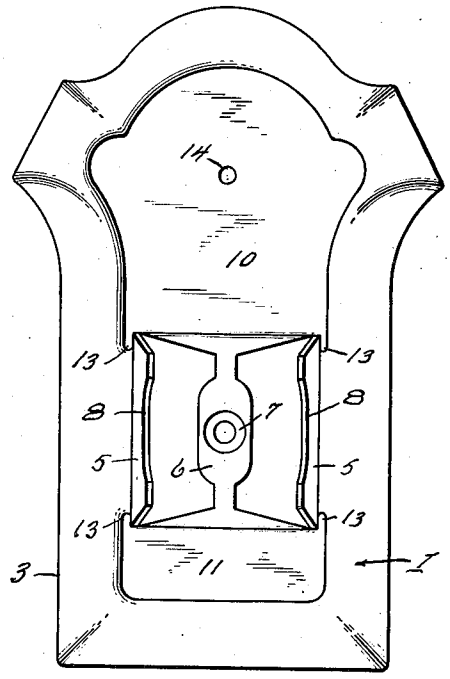


Fig. 5

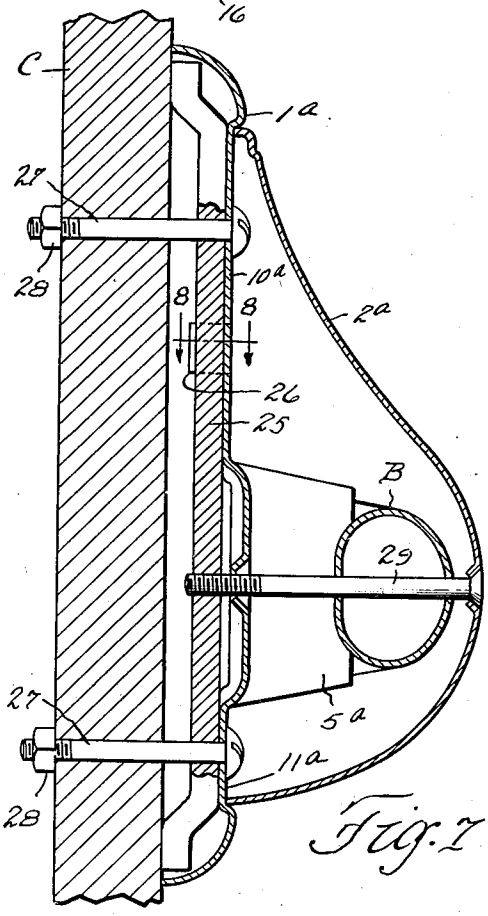


Fig. 7

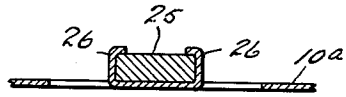


Fig. 8

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UNITED STATES PATENT OFFICE

2,066,301

HANDLE CONSTRUCTION

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Application March 16, 1936, Serial No. 69,013

10 Claims. (Cl. 16—111)

This invention relates to an improved handle construction of the class intended for use especially on burial cases or coffins.

Objects of the invention are the production of a handle of the aforesaid class that is neat and attractive of appearance; that is light of weight and very strong; that is economical of manufacture; that, although composed of hollow elements, gives the impression of solidity and sturdiness; and that is especially convenient of assembly and attachment, involving the minimum of fastening means for holding the parts together and for attaching the handle to a coffin or other object. In the preferred form of the invention, a single means serves the two-fold purpose of holding the handle bar and elements of each of the mounting units together and to the object to which the handle is applied.

A more limited object is to provide a handle mounting consisting of a base and cap, either or both of which is or are die stamped and formed from sheet metal and which interfit in such manner and are so shaped as to insure rigidity and strength.

The foregoing objects and advantages, with others hereinafter appearing, are attained in the embodiments of the invention illustrated in the drawings accompanying and forming a part of this specification and wherein Fig. 1 is a view showing the handle in side elevation attached to a coffin that is illustrated by broken lines; Fig. 2 is an end elevation of a similar character, with the handle bar sectioned on the line 2—2 of Fig. 1; Figs. 3 and 4 are sections on the respective lines 3—3 and 4—4 of Fig. 1, and drawn to a scale considerably enlarged over that of the previous views; Fig. 5 is a face view of the base of one of the mounting units; Fig. 6 is an inside view of the cap of one of such units; Fig. 7 is a vertical section through a modified form of the mounting unit; and Fig. 8 is a sectional detail on the correspondingly numbered line of Fig. 7.

By means of a plurality of mounting units A, the handle bar B is attached to the side of a burial case or coffin C. The handle bar B preferably consists of a piece of tubing of appropriate length, having ornamental knobs *b* applied to its ends. The tubing may be of any approved cross section, preferably one that will impart an ornamental appearance to the bar and effect harmony with the design of the mounting units.

Each mounting unit consists of a base 1 and a cap 2. These parts are preferably constructed of sheet metal of suitable gauge, and the margin of the base is formed to produce a flange 3 whose edge portion is at substantially right angles to the general plane of the base. Struck from the body portion of the base, desirably a little below its vertical center, are lugs 5, and the material between the openings from which the lugs are struck constitutes a strip 6, the same being provided with a perforation 7 that may be countersunk, as shown. The lugs 5 are bent forwardly from the base 1 at a little less than right angles to the general plane of the base so that they converge slightly, and their forward edges have relatively shallow notches that constitute seats 8 for the handle bar B. Above and below the openings from which the lugs 5 are struck are depressed portions 10 and 11, respectively, each having parts 13 that extend slightly beyond the adjacent ends of the lugs 5. A hole 14 is desirably formed in the depressed portion 10 near the top of the base.

Upper and lower marginal portions 15 and 16 of the previously mentioned cap 2 fit within the edges of the respective depressed portions 10 and 11, the sides of the cap having deep notches 17 to accommodate the handle bar B when the cap is applied to the base. The edge portions of the notches 17 are shaped to fit the contour of the outer side of the handle bar B and to slightly overlap the upper and lower ends of the lugs 5, the ends of the marginal portions 15 and 16 of the cap fitting within the parts 13 of the depressed portions 10 and 11.

Holes are formed in the handle bar and in the cap of each mounting unit in alignment with the perforation 7 of the base, the material surrounding the hole in the cap being depressed inwardly, as indicated at 18. A bolt 20, whose head has a cruciform slot or other means enabling it to be held against turning while giving it an ornamental appearance, extends through the aligned holes of the cap, bar and base, and through a hole in the side of the burial case or coffin C, beyond which a nut 21 is applied to the bolt for holding the parts tightly together and to the case or coffin. If desired, the bases 1 of the mounting units may be held in place on the side of the case or coffin, by screws 22 engaged through the holes 14, previously to applying the bar and caps to the bases and attaching them together and to the case by means of the bolts 20. Also, the assembly including the handle bar B and the caps or bases of the mounting units A, may be held together previously to applying the assembly to the case or coffin by applying nuts to the bolts 20 and turning them up against the rear sides of the strips 6 (one of

such nuts being shown in dotted lines at **23** in Figs. 3 and 4).

The bases and caps of the mounting units may be formed to produce various kinds of ornamental effects, as will be readily understood.

In the modified form of the invention illustrated in Figs. 7 and 8, a reinforcing member **25** is disposed vertically within the base **1a** and is desirably held in place by tongues **26** that are struck from the depressed portion **10a** of the base. Bolts **27** are adapted to be extended through registering holes in the base and member **25** and in the side of the case or coffin C and have nuts **28** applied to their inner ends. The member **25** has a threaded aperture in register with the holes in the handle bar and cap **2a** so that a bolt **29** may be inserted through said holes and screwed into the aperture of the member **25** for securing the parts together.

As will be seen from the foregoing, my invention provides a very simple and inexpensive handle that may be easily and quickly attached to an object and that is very strong, yet light of weight, and while I have particularly described the present embodiments, I wish it to be understood that I do not limit myself to the structural details thereof further than is required by the terms of the appended claims and the state of the prior art.

Having thus described my invention what I claim is:

1. A device of the class described comprising a base, a cap, a handle bar, and fastening means extending from the cap through said bar and base and projecting beyond the latter thereby to connect the cap, bar and base together and provide means for attaching the same to an object.

2. A device of the class described comprising a base having lugs extending therefrom, a handle bar engaged with said lugs, the lugs being spaced apart longitudinally of the bar, a cap recessed to snugly fit about said bar and engage the base, and means extending through the base, bar and cap and serving to fasten them together.

3. A device of the class described comprising a sheet metal base having a peripheral flange extending in one direction from the plane of its body portion and a pair of laterally spaced lugs projecting from said body portion in the opposite direction, said lugs being shaped to provide a seat for a handle bar, a handle bar engaged with said seat, a sheet metal cap embracing said bar and engaging the base, and means securing the base, bar and cap together.

4. A device of the class described comprising a handle bar, a sheet metal base having a peripheral flange extending in one direction from the plane of its body portion and laterally spaced lugs struck from said body portion and extending in the other direction from the plane thereof and shaped at their outer ends to provide a seat wherewith said handle bar is engaged, there being a strip of metal between the openings in the body portion from which said lugs are struck, and a sheet metal cap embracing the handle bar and engaging the base, the cap, handle bar and aforesaid strip having aligned openings, and fastening means extending through said openings for securing the cap, handle bar and base together.

5. A device of the class described comprising a handle bar, a sheet metal base having a peripheral flange extending in one direction from the plane of its body portion. and laterally spaced lugs struck from the body portion and extending in the opposite direction with respect to said plane, the outer ends of said lugs being shaped to provide a seat wherewith said handle bar is engaged, the area of the body portion a distance inwardly of its margin above and below said lugs being depressed, a cap formed of sheet metal to provide front and side walls, the latter being notched to embrace the handle bar when the inner edges of the side walls are engaged within the depressed portions of the base, and fastening means connecting the cap and base together.

6. A device of the class described comprising a handle bar, a sheet metal base having its edge portion flanged rearwardly, lugs struck from the body portion of the base and turned forwardly from the plane thereof and formed at their outer ends to provide a seat wherewith the handle bar is engaged, there being a strip of metal left between the openings from which said lugs are struck, the area of the body portion of the base, inwardly a distance from its margin and above and below said openings, being depressed, and a sheet metal cap in the nature of an open sided shell having side walls that are notched to embrace the handle bar, the inner edges of said side walls fitting within the depressed portions of the base, the aforesaid lugs being disposed immediately inside the side walls of the cap and serving to close the notches of said side walls rearwardly of the handle bar, the cap including a front wall that connects the outer edges of the side walls from their upper to their lower extremities, the cap, handle bar and aforesaid strip having aligned holes, and fastening means extending through said holes for connecting the cap, handle bar and base together.

7. In a device of the class described, the combination of a hollow base, a handle bar engaged therewith, a cap embracing the bar and engaging the base, a member disposed within the base, and fastening means extending between the cap and said member and serving to secure the aforesaid elements together.

8. In a device of the class described, the combination of a sheet metal base, a handle bar engaged therewith, a cap embracing the bar and engaging the base, a member disposed within the base and attached thereto, and fastening means extending between the cap and said member and serving to secure the foregoing elements together.

9. In a device of the class described, the combination of a sheet metal base having a rearwardly extending peripheral flange, a member engaged with the rear side of the body portion of the base and positioned between opposed parts of said flange, parts on the base cooperating with the member to attach the latter to the base, a handle bar disposed forwardly of the base, a cap embracing said bar and engaging the base, and fastening means extending between the cap and said member and serving to secure the foregoing elements together.

10. A device of the class described comprising a cap, a bar, a base having a seat for said bar extended outwardly beyond the plane of the base, the cap and base having parts that interengage to hold said cap and base against relative movement in any direction in the plane of the base, and fastening means securing the base, bar and cap together.

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