Nov. 9, 1937. J. W. YOUNG 2,098,478

BATTERY CONTAINER

Filed Jan. 7, 1935

Fig. 1

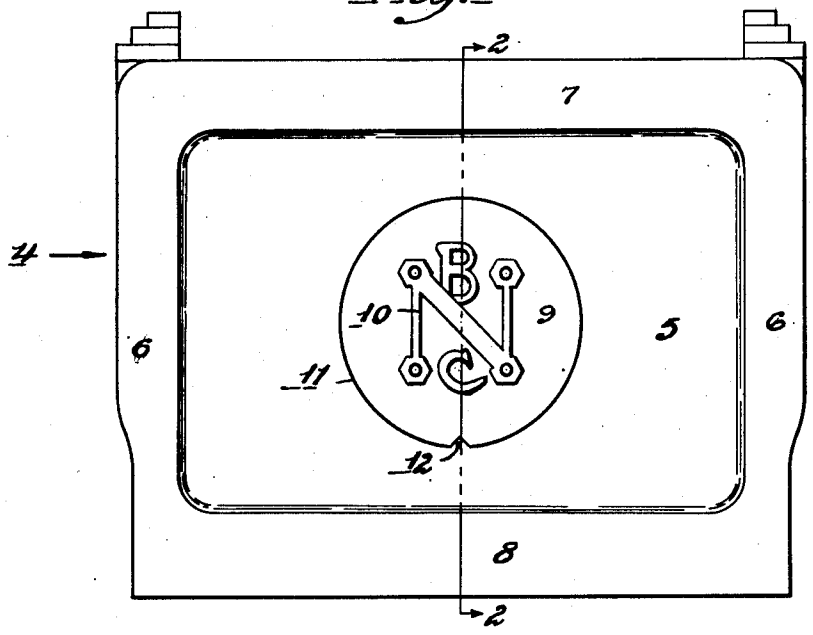


Fig. 2

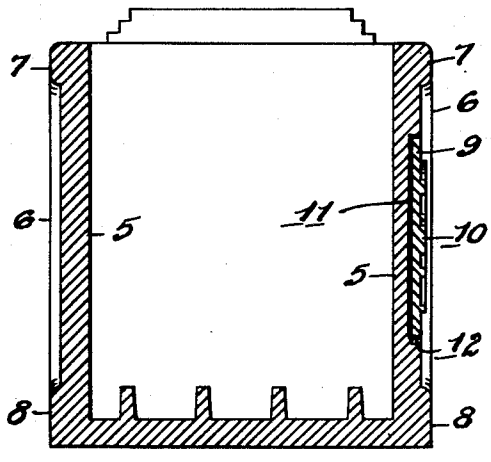
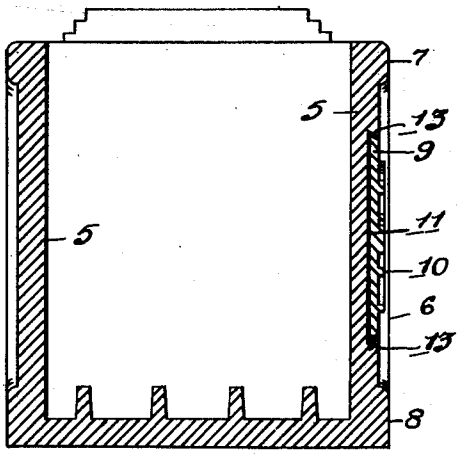


Fig. 3



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BATTERY CONTAINER

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Application January 7, 1935, Serial No. 625

2 Claims. (Cl. 40—2.2)

It is common practice for the larger storage battery manufacturers to market their product through a number of dealers, each of whom may have his own specifications for the batteries to be sold under his own brand, trade-mark or name. The batteries must also be furnished in a large number of different sizes and shapes with the result that the battery manufacturer, according to present practice, to supply the market must keep on hand very large and expensive inventories. This is particularly troublesome and expensive where, as is frequently the case, the dealers demand batteries with their various brands, trade-marks or names molded into the battery containers.

It is an object of this invention to meet the demand for a large number of dealers' names, trade-marks or brands molded into the battery containers and at the same time to reduce inventories and save expense to the battery manufacturer by providing novel identification means for the battery containers.

More particularly, it is an object to provide novel and durable identification plates having the appearance of integral parts of the containers and to so form the battery containers as to coact with such plates in securing substantially all of the advantages of identification means molded into the containers while effecting important economies in the battery manufacturer's costs.

Other objects will appear and be more fully pointed out in the following specification and claims.

Referring to the drawing:

Figure 1 is a side elevation of one of my improved battery containers;

Fig. 2 is a section taken on the line 2—2 of Fig. 1; and

Fig. 3 is a similar section showing a somewhat modified form of the device.

In the drawing the numeral 4 indicates a storage battery container of the one-piece molded type constructed from suitable hard rubber composition or from other suitable material, such as the bituminous compositions in common use. The container 4 has the usual or suitable ends, bottom, cell partitions, side walls and handles molded as a unitary structure. The main side panels 5 are preferably formed with outer surfaces which are offset inward from the corner, top and bottom members 6, 7 and 8 respectively, the outer surfaces of the latter being in a common plane, as shown in Figs. 2 and 3.

Formed to fit into a recess in either or both of the side panels 5 is a name plate 9 having the name, brand or trade-mark 10 projecting in bas-relief. This plate and the identification characters are formed from material which has a coefficient of expansion approximately equal to that of the material from which the container is formed and are acid-resistant and durable and preferably have the appearance of an integral part of the main container. The plate 9 fits snugly in a recess 11 formed in one of the panels 5 and at one point in its edge or periphery a notch is formed in the plate to receive a projecting tooth or lug 12 formed in the panel 5. Thus interlocking projections are formed on the plate and container to insure against the improper positioning of the plate in the recess in the container. Suitable adhesive is preferably employed to securely fasten the plate in the recess.

An alternate form of securing device is shown in Fig. 3, wherein the name plate has a dovetail interlock with the recess in the panel 5, the side edges or periphery 13 of the recess being undercut. The plate 9 is constructed of sufficiently resilient material to permit bending and to cause it to spring into interlocking engagement with the undercut sides of the recess when inserted. With this type of fastening means it is unnecessary to employ adhesive to secure the plate in position.

Where the battery containers are constructed from black, hard rubber composition, a relatively resilient, tough and non-fragile rubber composition of like color is employed in the construction of the name plates so that the plates, when in place on the containers, have the appearance of an integral part thereof. It will be understood that the plates may be secured in recesses in one or both sides or ends of the containers and that the projecting faces of the characters or other surfaces of the plates may be decorated or colored to give the desired appearance.

My device meets the requirement for durable surfaces on the containers which must withstand considerable wear and shock in the handling and must also resist the acid which is often spilled on the exterior surfaces. Very substantial economies result to the battery manufacturer from the use of my improved container construction because containers for several dealers can be made in the same molds with the recesses 11 of uniform size and shape. The expense of providing the specially formed plates 9 for each dealer desiring his own identification

means is relatively small as compared with the cost of maintaining the large inventories heretofore required and the plates are quickly and easily attached.

Having described my invention, what I claim as new and desire to protect by Letters Patent is:

1. The combination with a molded storage battery container formed with a recess in its outer surface, of a name plate formed from molded, acid-resistant composition having the appearance of an integral part of said container and a coefficient of expansion approximately equal to that of said container, said plate fitting snugly in said recess and being securely bonded to the container wall in said recess.

2. The combination with a storage battery container of molded composition formed with a recess in its outer surface, of a plate of molded composition formed with a legend thereon in bas-relief fitting in said recess and having the appearance of an integral part of said container, the depth of said recess being such that marginal portions of said container afford a guard for said plate and an adhesive securing said plate in said recess.

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