GUARD FOR SERVICE PITCHERS AND PROCESS OF MAKING SAME

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This invention relates to a guard for a service pitcher and the process of forming the same for use in hotels, restaurants and the like, said guard being formed of a pair of inwardly-extending ears adjacent the mouth of the pitcher.

The principal object of the invention resides in forming a blank of glass with a finished neck and mouth, and a pair of oppositely-disposed upwardly-extending ears on each side of the mouth. The blank with the upright ears is placed in a suitable mold. The ears are struck inwardly toward each other by laterally wooden plunger, whereupon the head of the mold is lowered to engage and force the ears downwardly and toward each other. Simultaneously therewith compressed air is injected through the head for blowing the blank into its final shape within the mold.

The guard thus formed consists of a pair of separate ears extending over the top of the pitcher adjacent the mouth, but spaced therefrom.

The full nature of the invention will be understood from the accompanying drawing and the following description and claims:

In the drawing, Fig. 1 is a sectional view through the mold showing the blank with the ears extending directly upwardly from the neck thereof. Fig. 2 is the same as Fig. 1, showing the next step in the process wherein a pair of plungers engage the ears and force them toward each other. Fig. 3 is the next step in the process wherein the head of the mold is forced down over the ears, bending them toward each other in final formation. Fig. 4 is the same as Fig. 3, showing the blank blown into final form.

In the drawing there is illustrated a mold 10 for forming a service pitcher. Said mold is shown herein as surrounding a blank of molten glass, indicated by 11. The neck 12 of the pitcher with a mouth 13 has previously been formed with the upstanding ears 14.

Immediately upon the mold 10 being caused to surround the blank, a pair of plungers 15 are actuated to strike the respective ears 14 from opposite sides thereof and bend them inwardly toward each other, as shown in Fig. 2. Said plungers are thereupon withdrawn and the mold head 16 is forced downwardly over the mold 10.

Said head is provided with a concave surface 17 which strikes the inwardly bent ears and forces them further toward each other to the final desired position. Thereupon the compressed air entering the line 18 in the usual manner actuates the piston 19 for opening the air passage 20 through the head so that compressed air may be forced into the mold for blowing the blank into the final form of the desired pitcher, as illustrated in Fig. 4.

The invention claimed is:

1. The process of forming a service pitcher having an ice guard over the mouth thereof comprising a pair of inwardly-turned ears extending toward each other, said process consisting of first forming a blank of glass having a neck and mouth molded thereon in its final form with a pair of oppositely-disposed upwardly-extending ears, forcing said ears laterally toward each other, and thereafter pressing them downwardly and blowing the blank into final form.

2. The process of forming a service pitcher having a guard over the mouth thereof consisting in simultaneously molding the neck, mouth and a pair of ears extending upwardly therefrom, applying a pair of plungers to the sides of said ears for forcing them laterally toward each other, and thereafter pressing downwardly on said ears to force them into final form to provide the desired guard.

3. The process of forming a service pitcher having a guard thereon, consisting in forming a blank, molding a neck thereon provided with a mouth and having upwardly extending ears on each side of the mouth, enclosing the same in a mold, applying a pair of
plungers laterally against said ears for forcing them toward each other, and thereafter forcing the mold head provided with a concave surface downwardly over the blank for engaging the inwardly bent ears and forcing them downwardly toward each other in position to provide the desired guard, and thereupon blowing the blank against the walls of the mold to give it final shaping.

In witness whereof, I have hereunto affixed my signature.

EDWARD J. NEWMAN.