June 14, 1938. M. HELLER 2,120,862

GOBLET

Filed Jan. 13, 1937

Fig. 1.

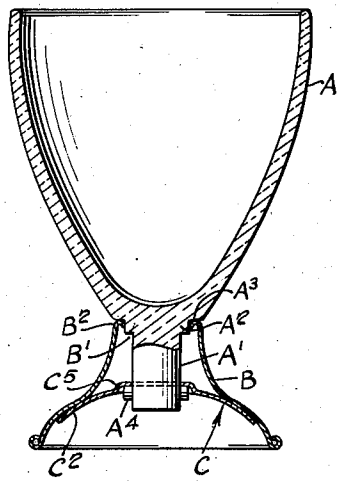


Fig. 2.

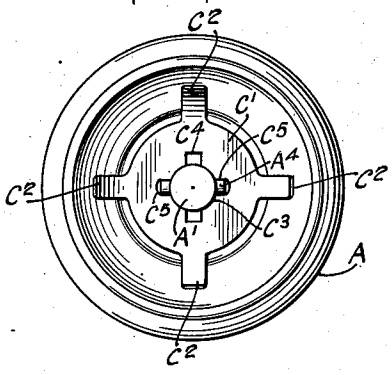


Fig. 3.

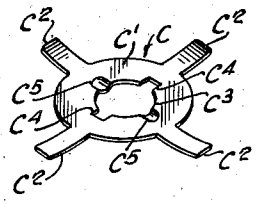


Fig. 4.

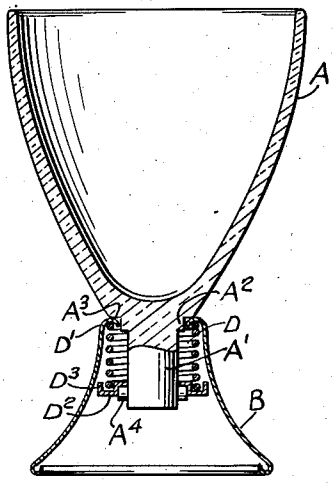
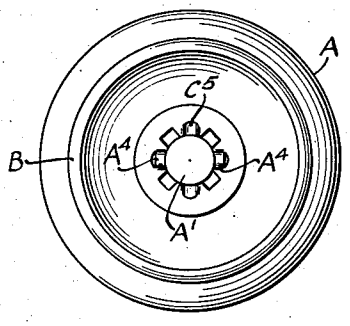


Fig. 5.



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GOBLET

Michael Heller, Brooklyn, N. Y.

Application January 13, 1937, Serial No. 120,336

12 Claims. (Cl. 65—13)

This invention relates to a goblet, and more particularly to one wherein the upper portion, adapted to contain a liquid, is made separately from the lower or base portion.

The present improvements deal with the means for connecting the upper and lower portions together, and include a stud or cylindrical member associated with the upper portion, preferably integral therewith, and projecting downwardly into the lower portion, the latter portion consisting of a hollow shell formed in a shape suitable to support the upper portion. At the lower end of the stud member, there is provided a plurality of shoulders which serve as an abutment for a spring device arranged to react against the inner wall of the base portion and thus securely hold the upper and the lower portions of the goblet together. The improved construction is particularly adaptable for a goblet made of different materials, as for instance, one wherein the upper portion is of glass and the lower portion metal. It is pleasing to the eye and economical to manufacture and assemble in that it obviates the necessity of molding or otherwise providing screw threads on the upper portion of the goblet.

Referring to the drawing:

Fig. 1 is a vertical sectional view through a goblet embodying the present improvements;

Fig. 2 is a bottom view of the goblet shown in Fig. 1;

Fig. 3 is a perspective view of the spring device for holding the upper and lower portions together, said device being inverted to show the details of its construction;

Fig. 4 is a vertical sectional view of a goblet, showing a different embodiment of the present improvements; and

Fig. 5 is a bottom view of the goblet shown in Fig. 4.

As shown in Fig. 1, the goblet includes an upper portion A adapted to contain liquid and provided at the bottom with a stud member A^1 projecting into a base portion B consisting of a hollow shell with a circular aperture B^1 at the top through which the stud member projects.

The stud member A^1 at its upper end, i. e., just below the body or liquid containing portion, is slightly enlarged as at A^2 and, overlying such enlarged portion, the upper member presents a flat surface A^3, against which the base portion seats. The base portion at the top is peened over, as at B^2, so as to present a suitable finish at this point and, when the parts are assembled, the peened portion of the base encircles the enlarged portion A^2 of the stud, the clearance here being sufficient so as to permit the parts readily to be assembled together without, however, permitting undue movement between the parts in a lateral direction.

At the lower end of the stud member A^1, there is provided a plurality of shouders A^4 projecting radially from the stud member and which can be formed either integrally with the stud member or presented by a pin extending transversely therethrough in a hole provided for the purpose. In any event, regardless of how the shoulder portions are presented, they do not extend beyond the outer edges of the enlarged portion A^2 at the top of the stud member, so that there will be no difficulty in inserting the stud member in the base portion during assembly.

The upper and lower portions A and B of the goblet are held together (see Figs. 1, 2 and 3) by a member C having a circular body portion C^1 and a plurality of finger portions C^2 extending radially from the body portions. Centrally of the body portion, there is provided a hole C^3 slightly larger in diameter than the diameter of the stud member and, in diametrically opposed portions of the hole and adjacent its edge, the body portion is notched or slotted, as at C^4, in a manner to provide clearance for the shoulders on the stud member during assembly of the parts. In assembling the parts, the stud member A^1 is passed through the aperture B^1 in the base member, and the holding member C placed with the fingers C^2 thereof in contact with the inner face of the base member and with the hole C^3 and notches C^4 in register, respectively, with the stud A^1 and shoulders A^4. The body portion C^1 of the holding member is then pressed inwardly until it has cleared the shoulders, whereupon it is given a partial turn, to move the notches clear of the shoulders. The body portion of the holding member will thus bear against the shoulders, whereas the fingers will bear against the base portion. Since the holding member is of a resilient material and is stressed upon insertion, the parts of the goblet will be held firmly together.

In order to prevent inadvertent turning of the holding member into a position wherein the shoulders A^4 again register with the notches C^4, in which circumstances the holding member would spring out of position, the body portion of the latter, adjacent the edges of the circular hole and offset from the notches, is formed with pockets or recesses C^5 into which the shoulders are adapted to seat. Since this relation of the parts will be maintained, due to the resiliency

of the holding member, the inadvertent turning of the holding member, previously referred to, will be prevented. Of course, it will be understood that the number of shoulders, notches and recesses shown are merely by way of example, and additional ones can be provided if necessary or desirable.

In the embodiment of the invention shown in Figs. 4 and 5, the resilient fingers which bear against the inner face of the base portion are dispensed with and instead there is provided a coil spring D reacting between the body portion of the holding member and the base portion. As shown in this figure, the base portion at the top is peened over in a manner to provide a seat D^1 for the spiral spring and the holding member (here indicated as D^2) is itself formed with a flange D^3 to prevent displacement of the spring. In other respects, however, this embodiment of the invention is the same as that previously described, i. e., the upper portion of the goblet is provided with a stud member A^1 projecting into the base portion and presenting shoulders A^4 against which the holding element abuts, the holding element itself being notched to clear the shoulders and rotatable to position the notches out of registry with the shoulders as before. The holding member is also provided with recesses C^5, similar to those previously described, to receive the shoulder portions and thus resist the inadvertent turning of the holding member out of position.

In the accompanying drawing, the invention has been shown merely by way of example and in preferred form, and obviously many variations and modifications may be made therein which will still be comprised within its spirit. It is to be understood, therefore, that the invention is not limited to any specific form or embodiment, except insofar as such limitations are specified in the appended claims.

Having thus described my invention, what I claim is:

1. A goblet including, in combination, an upper portion adapted to contain liquid, a base portion, and devices for connecting both portions together, said connecting devices including a member formed integral with the upper portion and fitting within the base portion, said member at its upper end acting to locate the base portion coaxially with respect to the upper portion, abutment means near the lower end of said member, abutment means near the upper end of said member, and resilient means reacting downwardly against the abutment means located near the lower end of said member and upwardly against the base portion to force the upper end of said base portion against the abutment means located near the upper end of said member to hold the upper portion and the base portion of the goblet together.

2. A goblet including, in combination, an upper portion adapted to contain liquid, a base portion, and devices for connecting both portions together, said connecting devices including a cylindrical member formed integral with the upper portion and fitting within the base portion, said member at its upper end acting to locate the base portion coaxially with respect to the upper portion, abutment means near the lower end of said member, abutment means located at the bottom of the upper portion, and resilient means reacting downwardly against the abutment means located near the lower end of said member and upwardly against the base portion to force the upper end of said base portion against the abutment means located at the bottom of the upper portion to hold the upper portion and base portion of the goblet together.

3. A goblet including, in combination, an upper portion adapted to contain liquid, a lower base portion, and devices for connecting both portions together, said connecting devices including a member associated with the upper portion and fitting within the lower base portion, abutment means near the lower end of said member, a plate located above and in contact with said abutment means, and resilient means reacting upwardly against said lower base portion and forcing the plate downwardly against said abutment means to hold the upper portion and the lower base portion of the goblet together.

4. A goblet including, in combination, an upper portion adapted to contain liquid, a lower base portion, and devices for connecting both portions together, said connecting devices including a member associated with the upper portion and fitting within the lower base portion, spaced abutment means provided at the lower end of said member, a plate arranged to fit on said member above the abutment means and formed with notches to clear said abutment means, said plate being movable into a position to bear against the abutment means, and resilient means reacting upwardly against the lower base portion and forcing the plate downwardly against said abutment means.

5. A goblet including, in combination, an upper portion adapted to contain liquid, a lower base portion, and devices for connecting both portions together, said connecting devices including a member associated with the upper portion and fitting within the lower base portion, spaced abutment means provided at the lower end of said member, a plate arranged to fit on said member above the abutment means and formed with notches to clear said abutment means, said plate being movable into a position to bear against the abutment means, resilient means associated with the plate reacting upwardly against the lower base portion and forcing the plate downwardly against the abutment means, and means in the plate for holding it against inadvertent turning.

6. A goblet including, in combination, an upper portion adapted to contain liquid, a lower base portion, and devices for connecting both portions together, said connecting devices including a member associated with the upper portion and fitting within the lower base portion, spaced abutment means provided at the lower end of said member, a plate arranged to fit on said member above the abutment means and formed with notches to clear said abutment means, said plate being movable into a position to bear against the abutment means, resilient means associated with the plate and arranged to react upwardly against the lower base portion and to force the plate downwardly against said abutment means, and recesses in the plate adapted to cooperate with the abutment means to prevent the plate from inadvertent turning.

7. A goblet including, in combination, an upper portion adapted to contain liquid, a lower base portion, and devices for connecting both portions together, said connecting devices including a member associated with the upper portion and fitting within the lower base portion, abutment means provided at the lower end of said member, a plate adapted to fit on said member above the

abutment means and bearing against said abutment means, and resilient means formed on said plate and arranged to react upwardly against said base portion and to force the plate downwardly against said abutment means.

8. A goblet according to claim 7, wherein the resilient means include fingers spaced around the edge of said plate.

9. A goblet including, in combination, an upper portion adapted to contain liquid, a lower base portion, and devices for connecting both portions together, said connecting devices including a member associated with the upper portion and fitting within the lower base portion, abutment means provided at the lower end of said member, a plate arranged on said member above the abutment means, and a coil spring reacting upwardly against the lower base portion and forcing the plate downwardly against said abutment means.

10. A goblet according to claim 9, wherein the plate is provided with a flange and the base at the top with a seat, said flange and seat preventing lateral displacement of the coil spring.

11. A goblet including, in combination, an upper portion adapted to contain liquid, a lower base portion, and devices for connecting both portions together, said connecting devices including a cylindrical member formed integral with the upper portion and fitting within the lower portion, an enlarged shoulder at the top of said cylindrical member around which the lower base portion is adapted to fit, abutment means at the lower end of said cylindrical member, a plate arranged to fit on said cylindrical member and bear against the abutment means, and resilient fingers on the plate for reacting against the lower base member.

12. A goblet according to claim 11, wherein the plate is notched to allow it to clear the abutment means when inserted in place, and movable into a position to bear against said abutment means.

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