

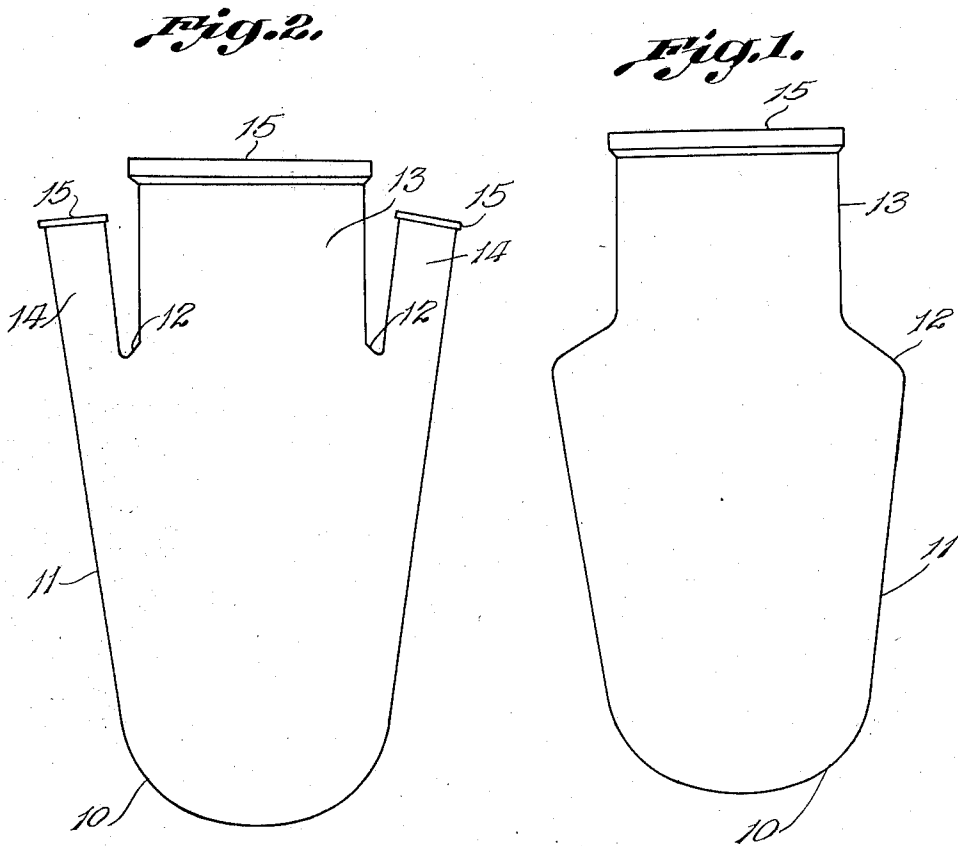
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1,983,233

STIRRING VESSEL

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## UNITED STATES PATENT OFFICE

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## STIRRING VESSEL

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2 Claims. (Cl. 23—292)

This invention relates to a new shape for stirring vessels made of glass, such as are employed in laboratories or chemical works.

Two embodiments of the invention are illustrated by way of example in the accompanying drawing in which:

Fig. 1 shows a form of construction without lateral necks.

Fig. 2 shows a construction with lateral necks.

The characteristic feature of the new shape consists in that from the flat or slightly bulged bottom 10 with rounded corners the side wall 11 extends which widens conically towards the top. The side wall 11 at its upper end extends inwardly to form a shoulder portion as at 12 and then upwardly a sufficient distance to provide a wide neck 13 that is approximately the diameter of the bottom of the vessel. The bulged bottom, side wall, shoulder and neck are free of abrupt angles and said parts are connected by rounded corners.

As shown in Figure 2, the shoulder 12 is formed with smaller necks 14 rising therefrom laterally of the main neck 13 with the axes of the lateral necks parallel to the side walls 11 at these points. The free edges of the necks 13 and 14 are reinforced as at 15.

The advantages derived from the shape according to the invention are manifold. As the bottom is of smaller diameter than the top and relatively flat, a good stirring effect will be obtained, even in the case of a small charge. The lateral necks 14 are so arranged that feed tubes and thermometers can be placed therein. As the necks are arranged as extensions of the vessel wall 11, the thermometer or gas feed tube can be inserted to any desired depth into the vessel. Consequently, the shape according to the invention is far superior to the known shapes, especially to the round vessels.

I claim:—

1. A stirring vessel having a round bulged bottom with a conical side wall widening in an upward direction and then merging into a shoulder portion extending inwardly substantially at right angles to the side wall and terminating in a wide neck of approximately the same diameter as the bottom, the neck, shoulder portion, side wall and bottom being connected with rounded corners.

2. A stirring vessel as specified in claim 1, in which lateral necks are arranged on the shoulder portion with their axes lying parallel to the side wall of the vessel at the points in question.

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