US00D383208S

# United States Patent [19]

**Reif**

[11] **Patent Number: Des. 383,208**

[45] **Date of Patent: **Sep. 2, 1997**

[54] **HEART VALVE**

[75] Inventor: **Thomas H. Reif**, Vero Beach, Fla.

[73] Assignee: **TRI Technologies Inc.**, Belo Horizonte, Brazil

[**] Term: **14 Years**

[21] Appl. No.: **36,687**

[22] Filed: **Mar. 24, 1995**

[51] **LOC (6) Cl.** ..... **24-03**

[52] **U.S. Cl.** ..... **D24/155**

[58] **Field of Search** ..... D24/155; 623/2

[56] **References Cited**

U.S. PATENT DOCUMENTS

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*Attorney, Agent, or Firm*—Albert H. Reuther

[57] **CLAIM**

The ornamental design for heart valve, as shown and described.

**DESCRIPTION**

FIG. **1** is a perspective view of the heart valve in closed position of the flaps;

FIG. **2** is a top plan view of the heart valve of FIG. **1**;

FIG. **3** is a bottom plan view of the heart valve of FIG. **1**;

FIG. **4** is a side elevational view of the heart valve of FIG. **1**;

FIG. **5** is a cross sectional view taken along line V—V in FIG. **3** of the heart valve of FIG. **1**;

FIG. **6** is a perspective view of the heart valve in open position;

FIG. **7** is a top plan view of the heart valve in open position;

FIG. **8** is a bottom plan view of the heart valve in open position;

FIG. **9** is a side elevational view of the heart valve with the opposite side being a mirror image thereof;

FIG. **10** is a front elevational view of the heart valve, the opposite side being a mirror image thereof;

FIG. **11** is a cross sectional view taken along line XI—XI in FIG. **8** of the heart valve showing the flaps in open position;

FIG. **12** is a perspective view of the valve body per se for the heart valve disclosed herewith;

FIG. **13** is a side elevational view of the heart valve body of FIG. **12**;

FIG. **14** is a top plan view of the heart valve body, the bottom plan view being a mirror image thereof;

FIG. **15** is a perspective view of the heart valve flap for the heart valve of the present disclosure;

FIG. **16** is an elevational view of one side of the heart valve flap;

FIG. **17** is an elevational view of an opposite side of the heart valve flap;

FIG. **18** is a top plan view of the heart valve flap;

FIG. **19** is a bottom plan view of the heart valve flap;

FIG. **20** is an end view of the heart valve flap; and,

FIG. **21** is an opposite end view of the heart valve flap.

**1 Claim, 3 Drawing Sheets**

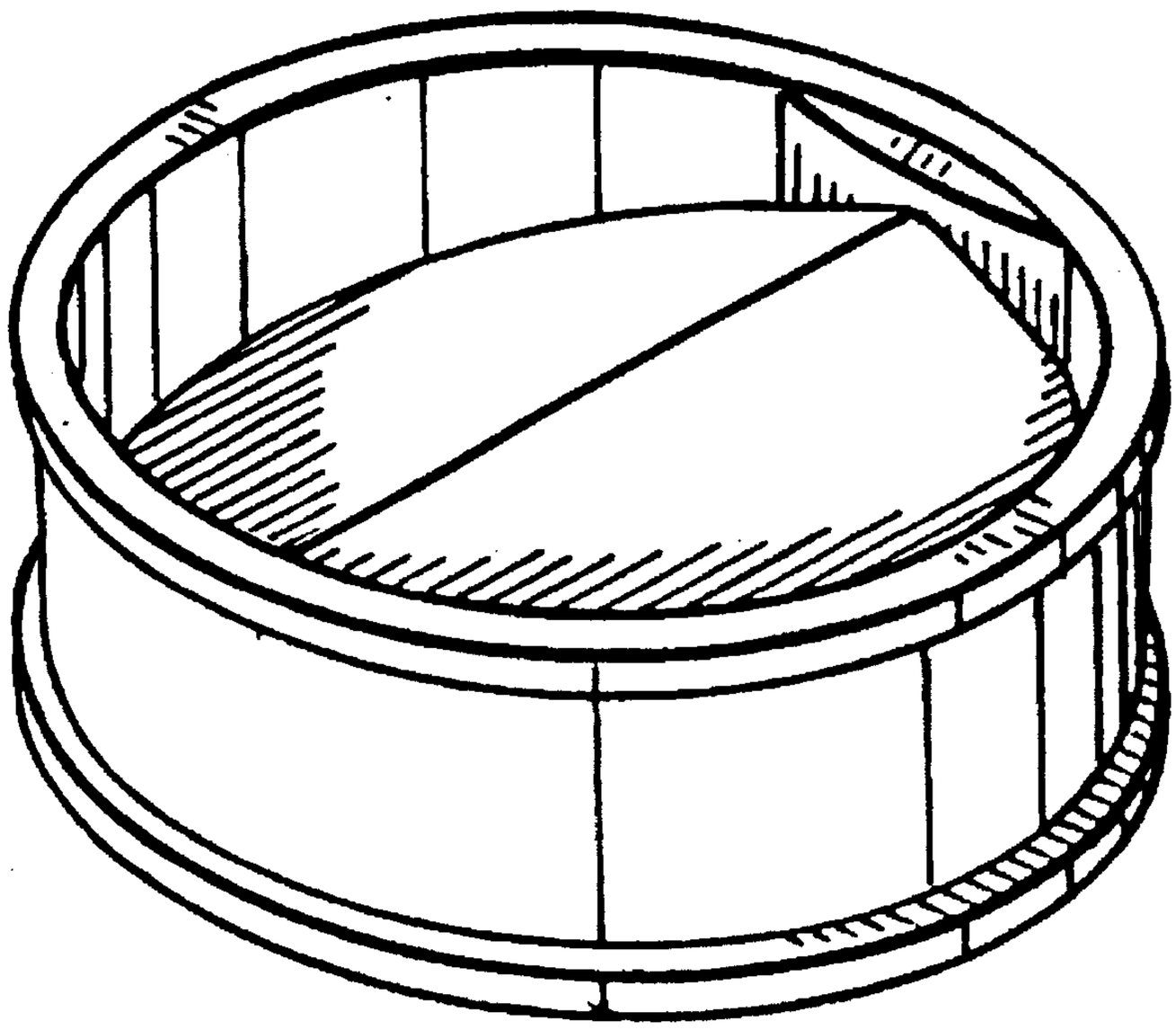

FIG-1

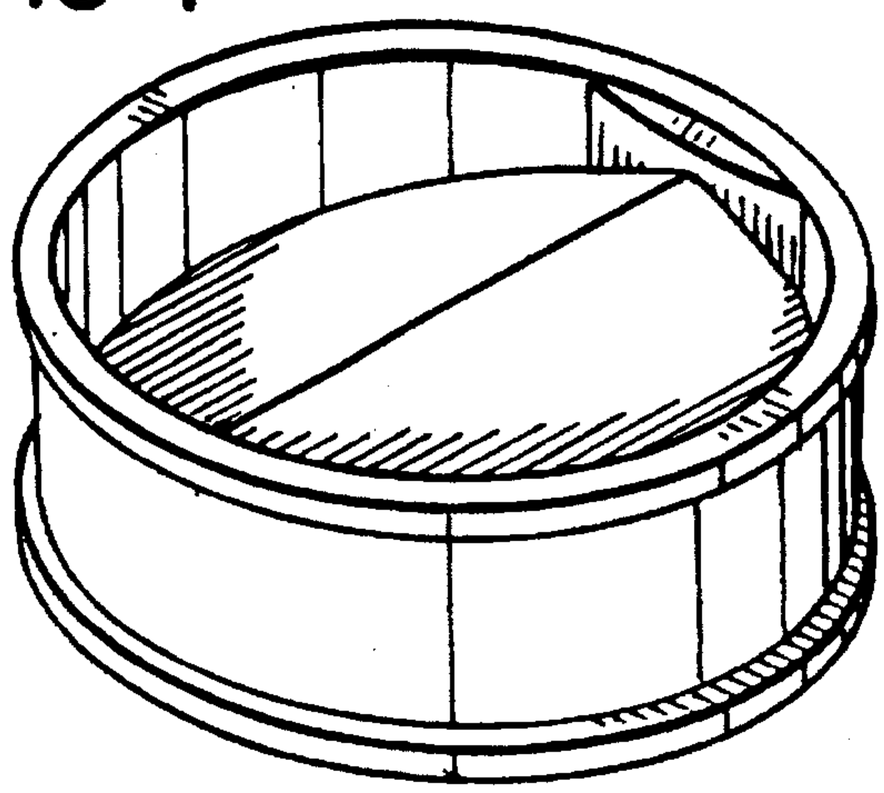

FIG-2

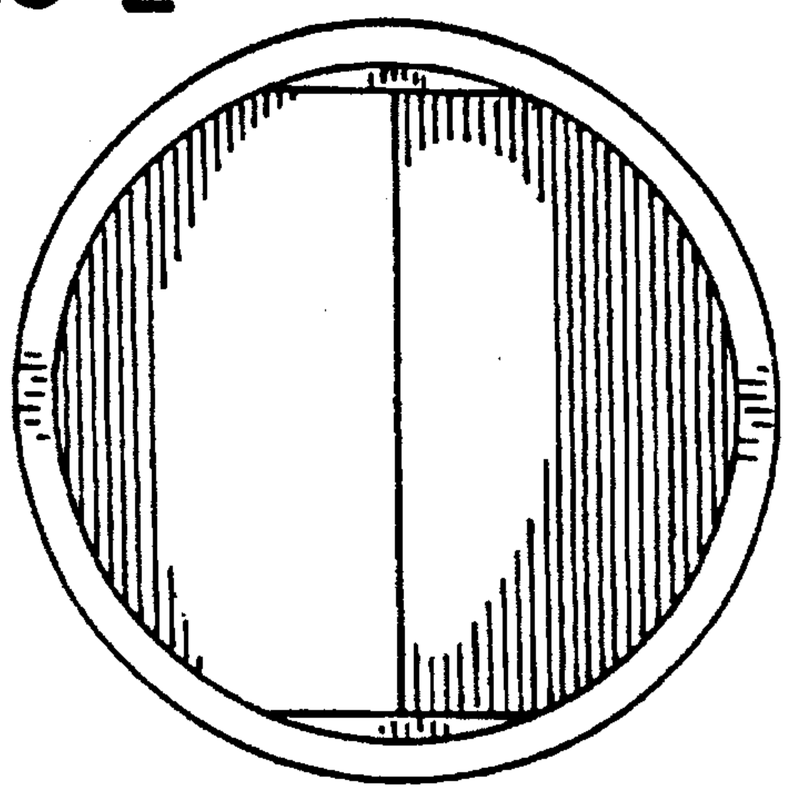

FIG-3

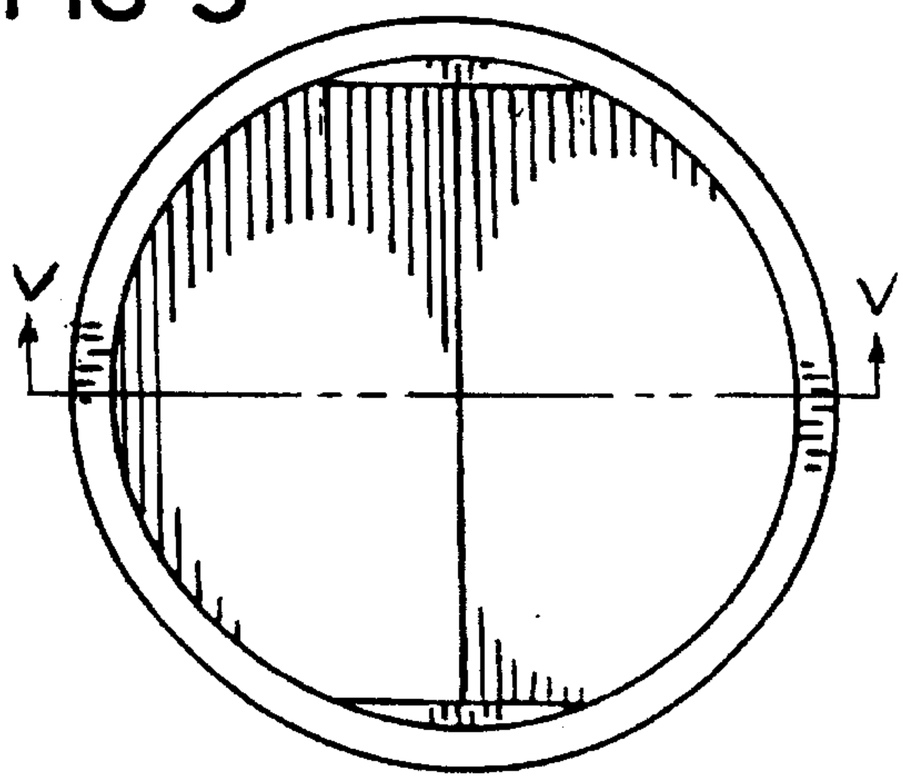


FIG-4

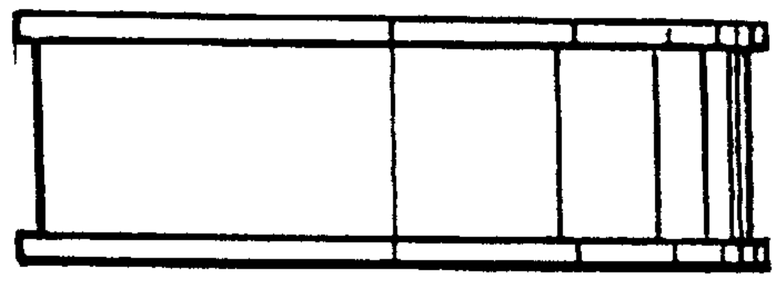

FIG-5

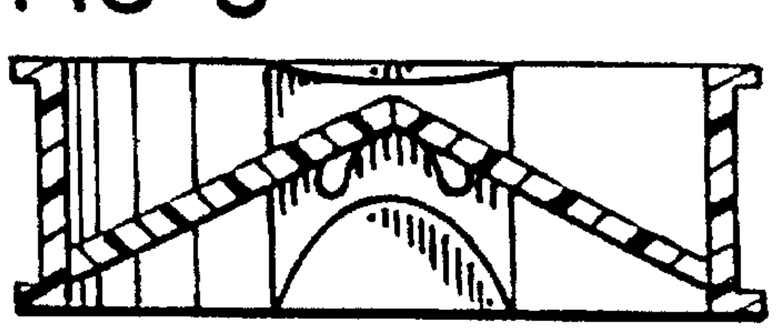

FIG-6

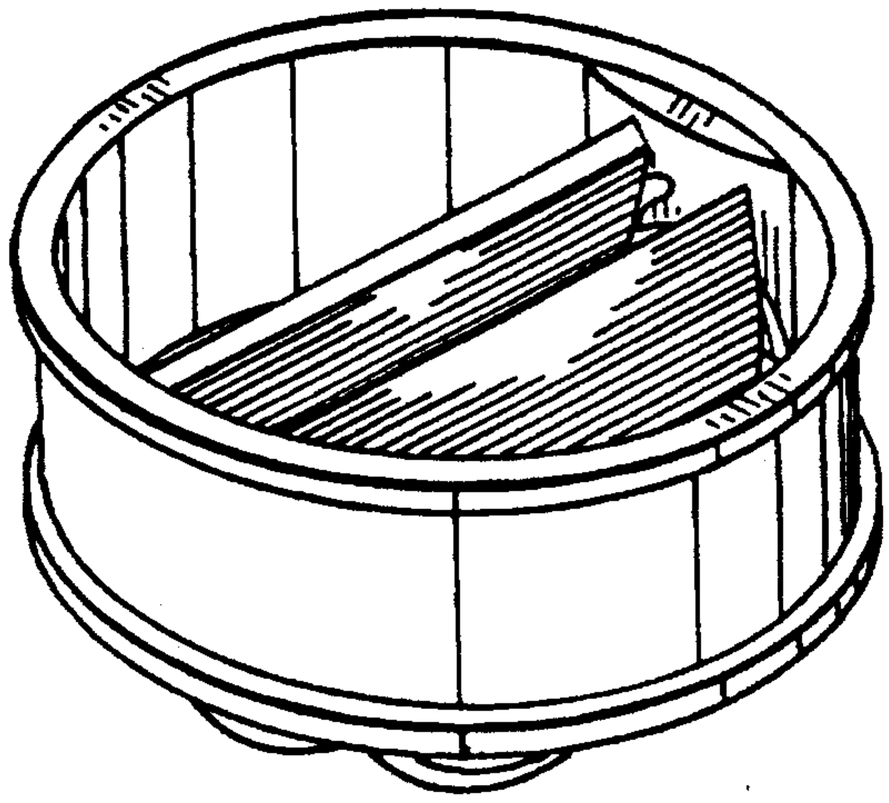

FIG-7

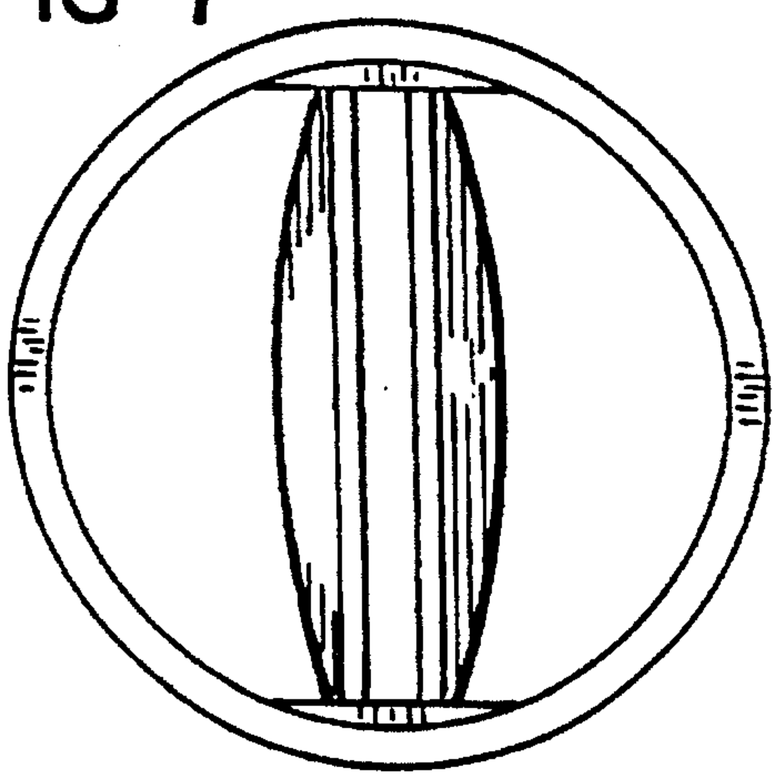

FIG-8

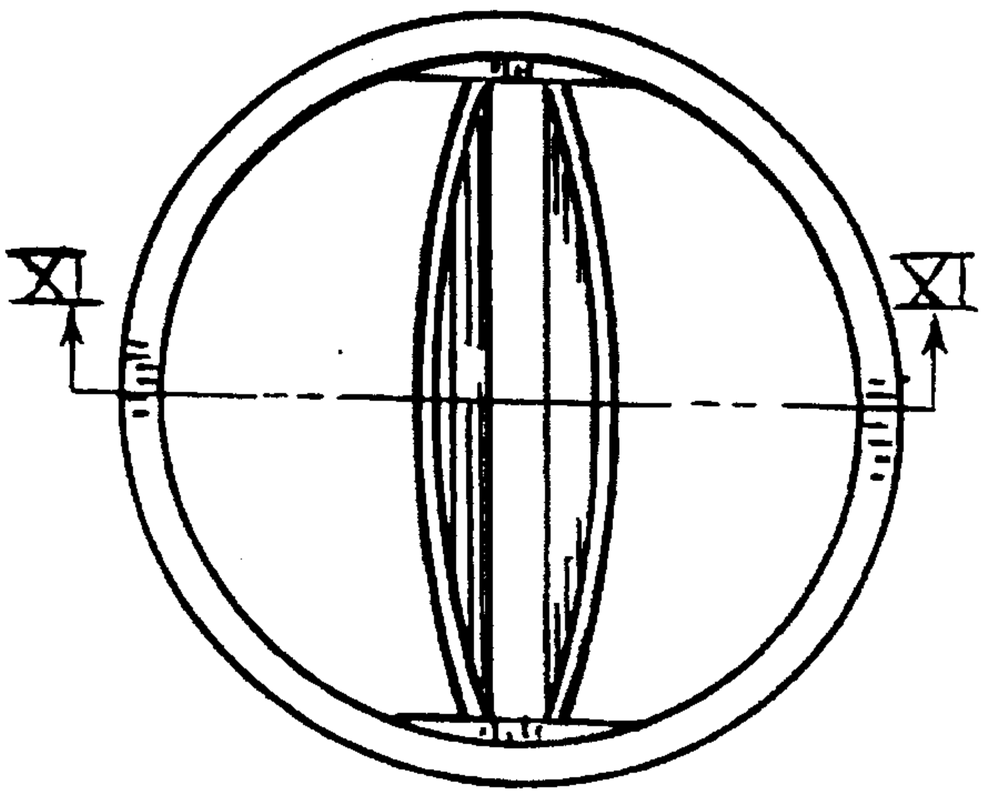


FIG-9

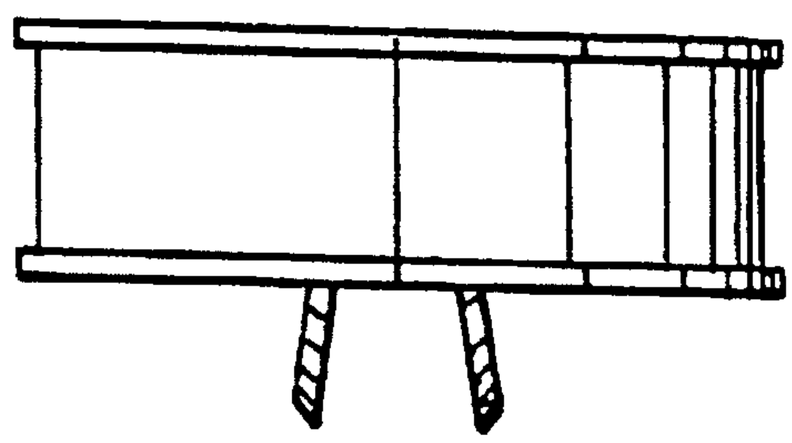

FIG-10

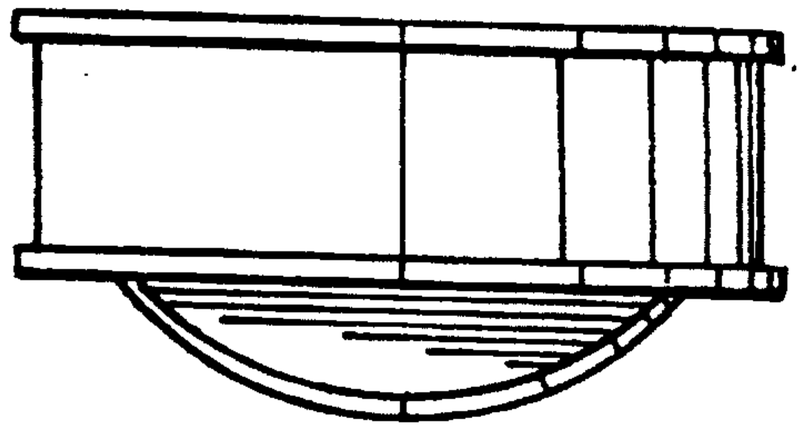

FIG-11

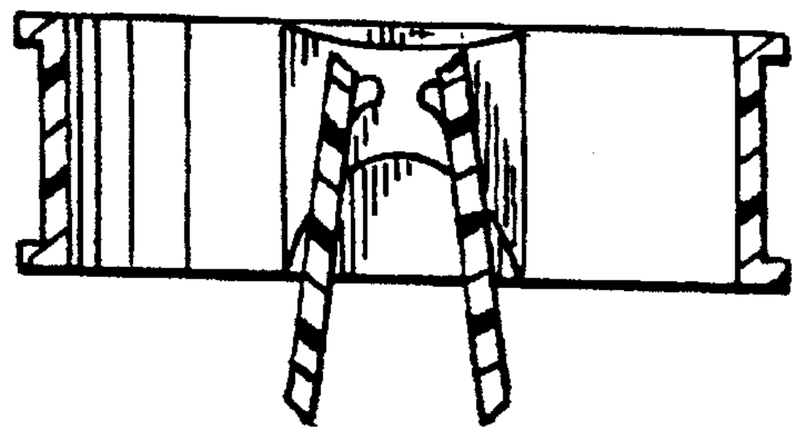

FIG-12

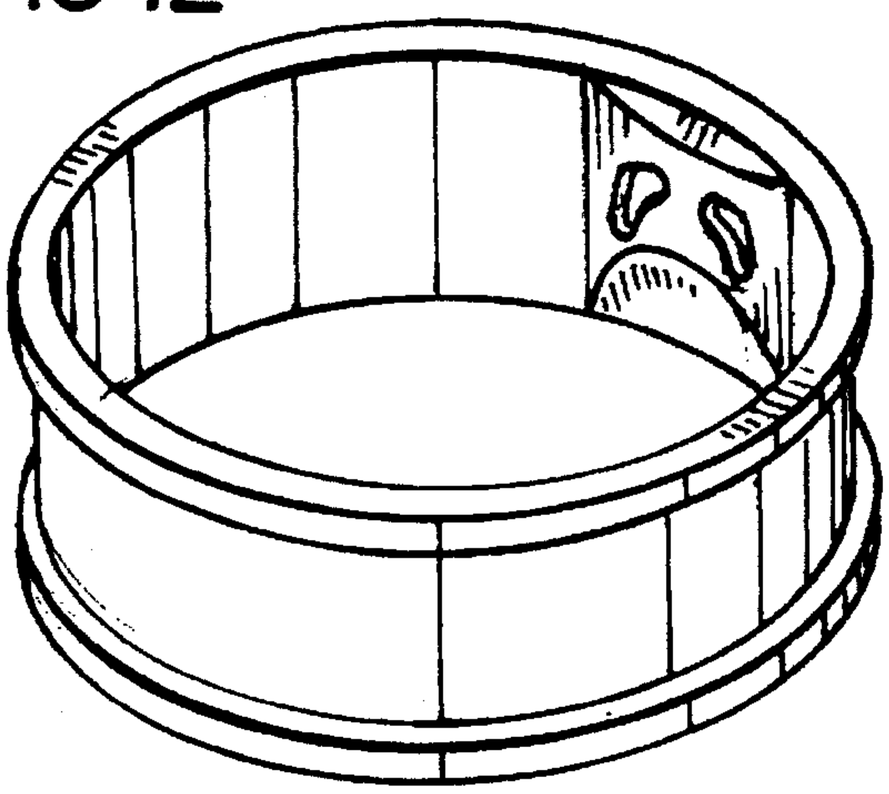

FIG-13

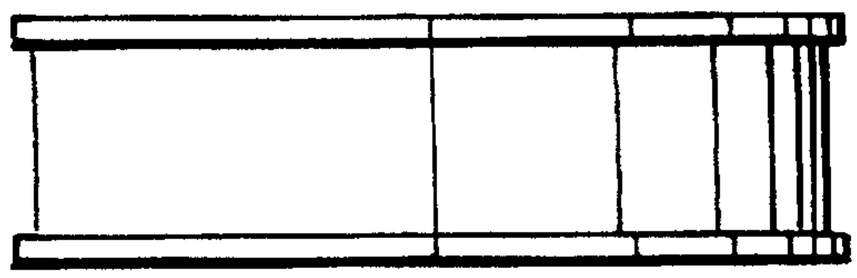

FIG-14

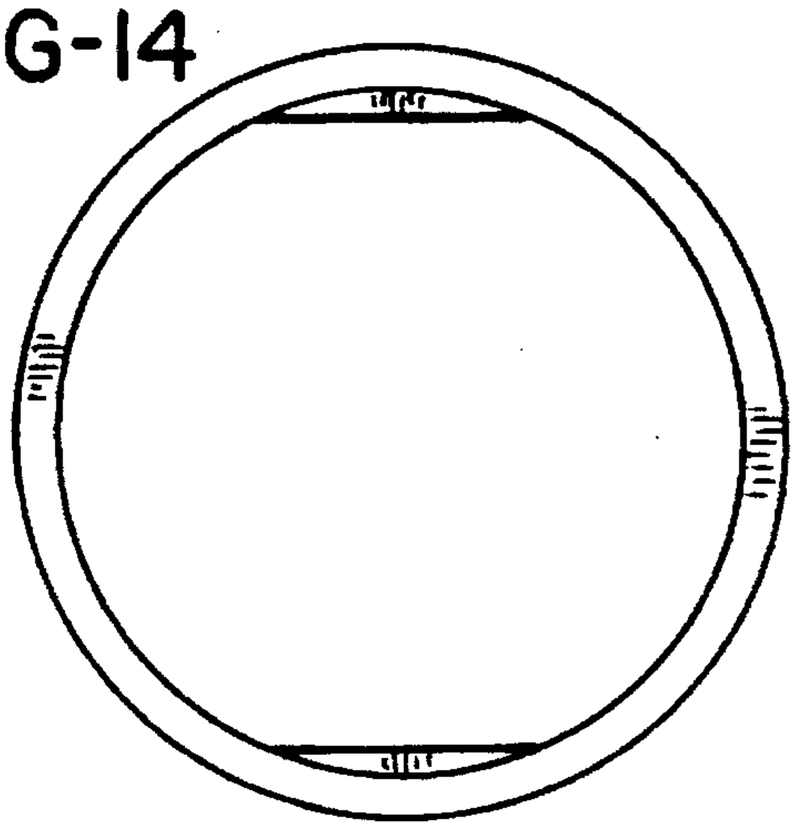

FIG-15

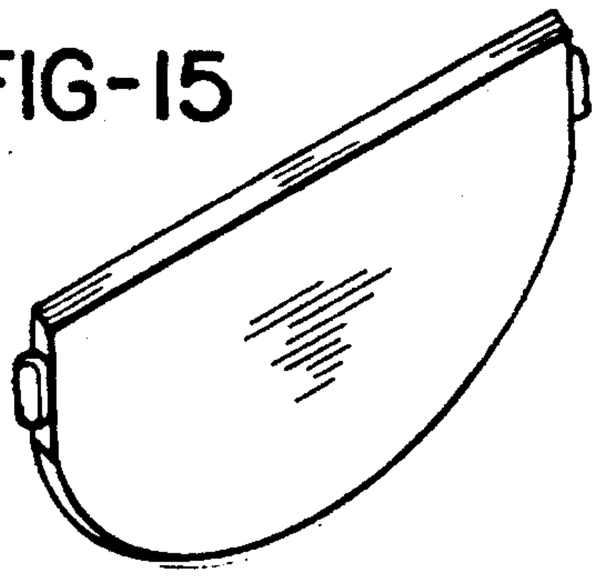

FIG-16

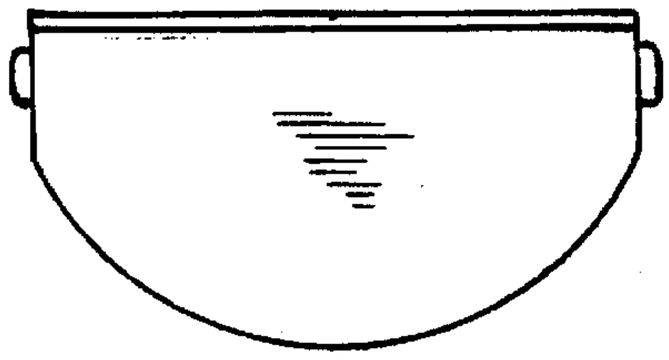

FIG-17

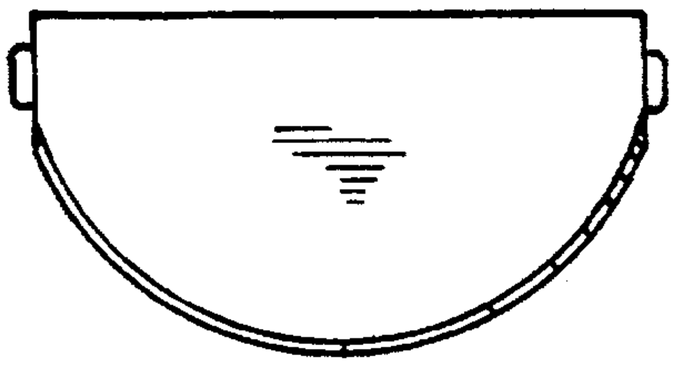

FIG-18

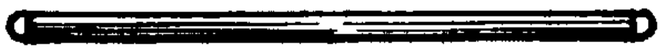

FIG-19

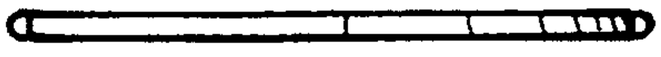

FIG-20

FIG-21