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United States Patent [19]

Reif

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[45] **Date of Patent: ** May 23, 1995**

[54] **HEART VALVE PIVOT ARRANGEMENT**

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

[73] Assignee: **Republic Medical Products Inc.**, Vero Beach, Fla.

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

[21] Appl. No.: **873,061**

[22] Filed: **Apr. 24, 1992**

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

[58] **Field of Search** D24/155, 167, 169; 623/2

[56] **References Cited**

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Primary Examiner—A. Hugo Word
Assistant Examiner—E. Watterson
Attorney, Agent, or Firm—Albert H. Reuther

[57] **CLAIM**

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

DESCRIPTION

FIG. **1** is a top perspective view of the heart valve pivot arrangement, having flat bileaflet configuration, in a closed position;
FIG. **2** is a bottom perspective view thereof;
FIG. **3** is a top plan view thereof;
FIG. **4** is a bottom plan view thereof;
FIG. **5** is a cross-sectional view taken along line **5—5** of FIG. **3**;
FIG. **6** is a cross-sectional view, of a second embodiment, having a curved bileaflet configuration;
FIG. **7** is a cross-sectional view, of a third embodiment, similar to that shown in FIG. **5**, having different guide projections in the wall structure;
FIG. **8** is a cross-sectional view, of a fourth embodiment, similar to that shown in FIG. **6**, having different guide projections in the wall structure;
FIG. **9** is a top perspective view of FIG. **1** in an open position;
FIG. **10** is a bottom perspective view thereof;
FIG. **11** is a top plan view thereof;
FIG. **12** is a bottom plan view thereof;
FIG. **13** is a cross-sectional view taken along line **13—13** of FIG. **11**;
FIG. **14** is a cross-sectional view, of the second embodiment shown in FIG. **6**, in an open position;
FIG. **15** is a cross-sectional view, of the third embodiment shown in FIG. **7**, in an open position;
FIG. **16** is a cross-sectional view, of the fourth embodiment shown in FIG. **8**, in an open position;
FIG. **17** is a side elevational view of that shown in FIGs. **1–8**, all other sides being a mirror image thereof;
FIG. **18** is a front elevational view to that shown in FIGS. **9–16**, the rear view being a mirror image thereof; and,
FIG. **19** is a side elevational view to that shown in FIGS. **9–16**, the opposite side being a mirror image to that shown.

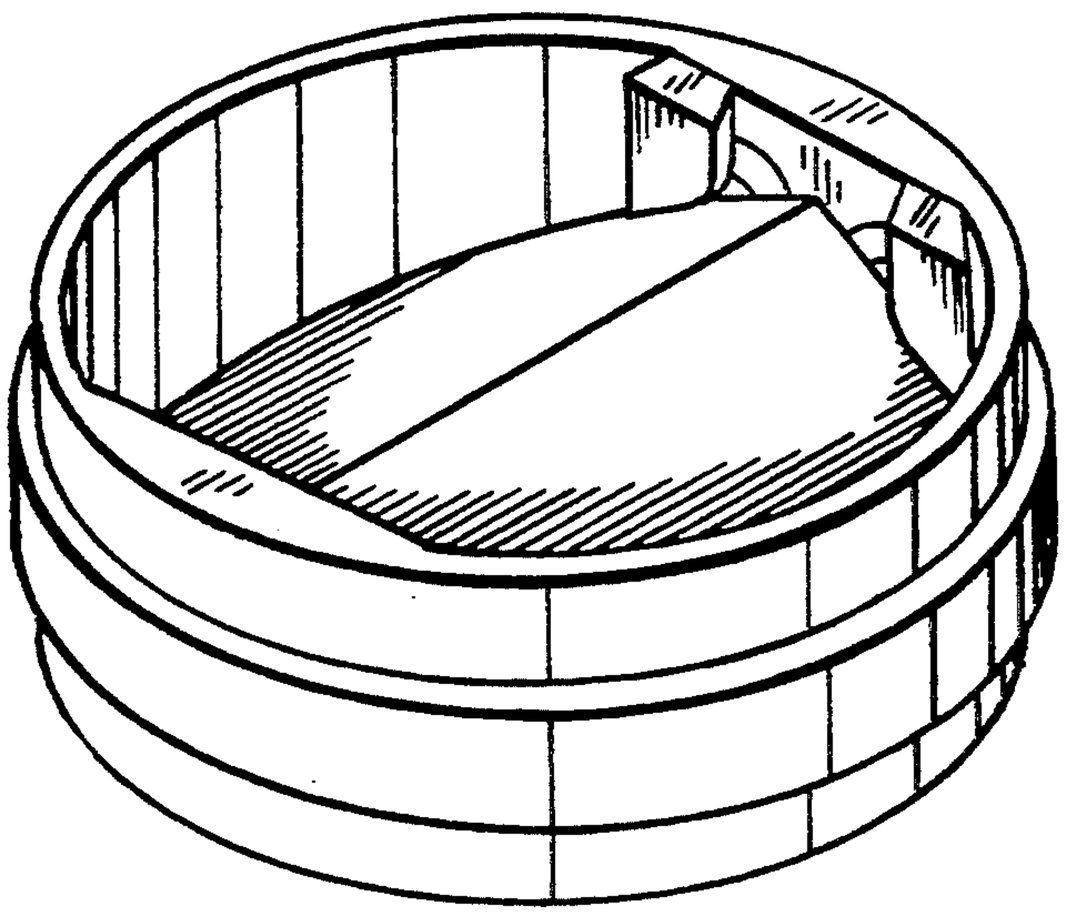

FIG-1

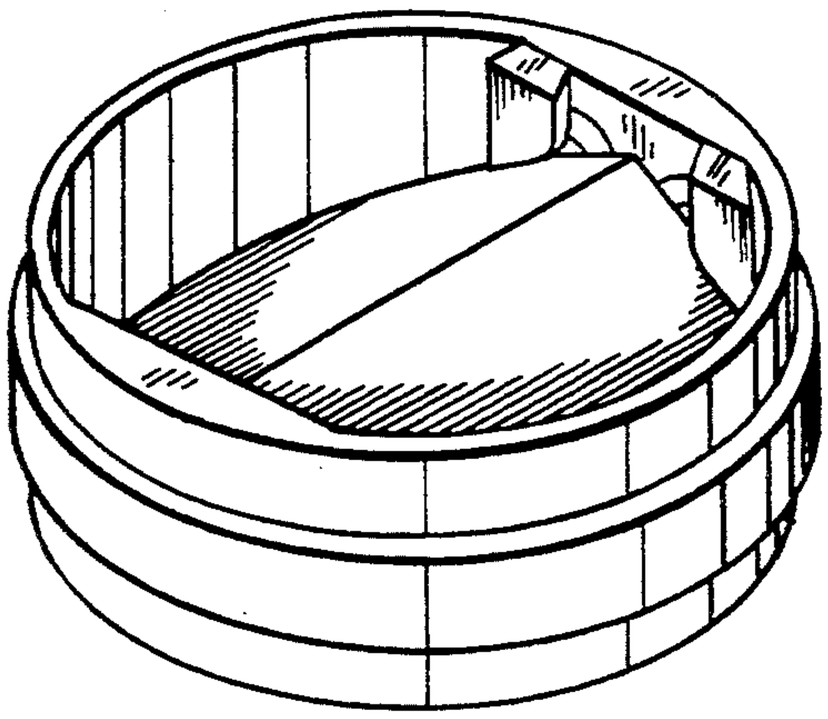

FIG-2

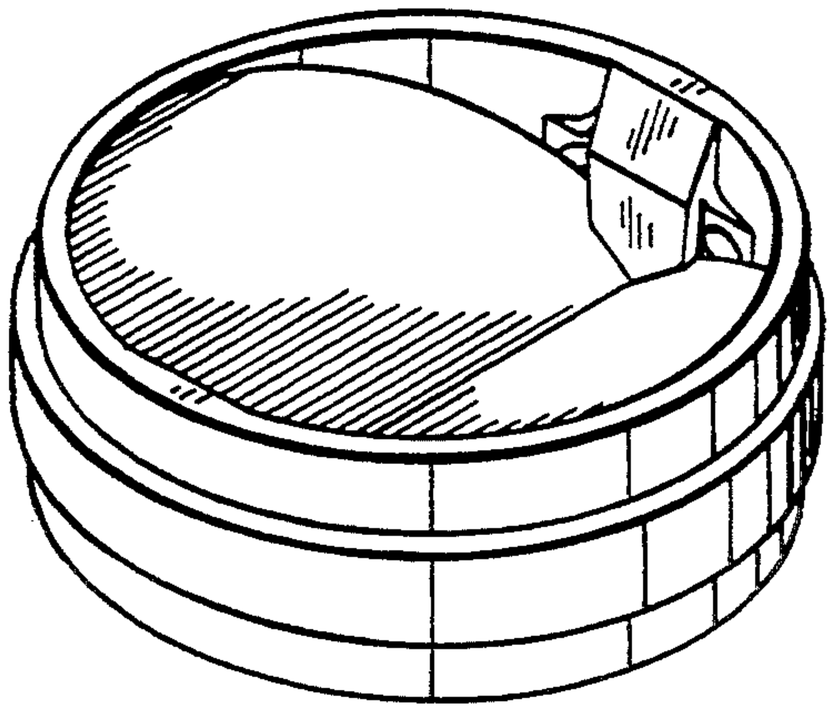

FIG-3

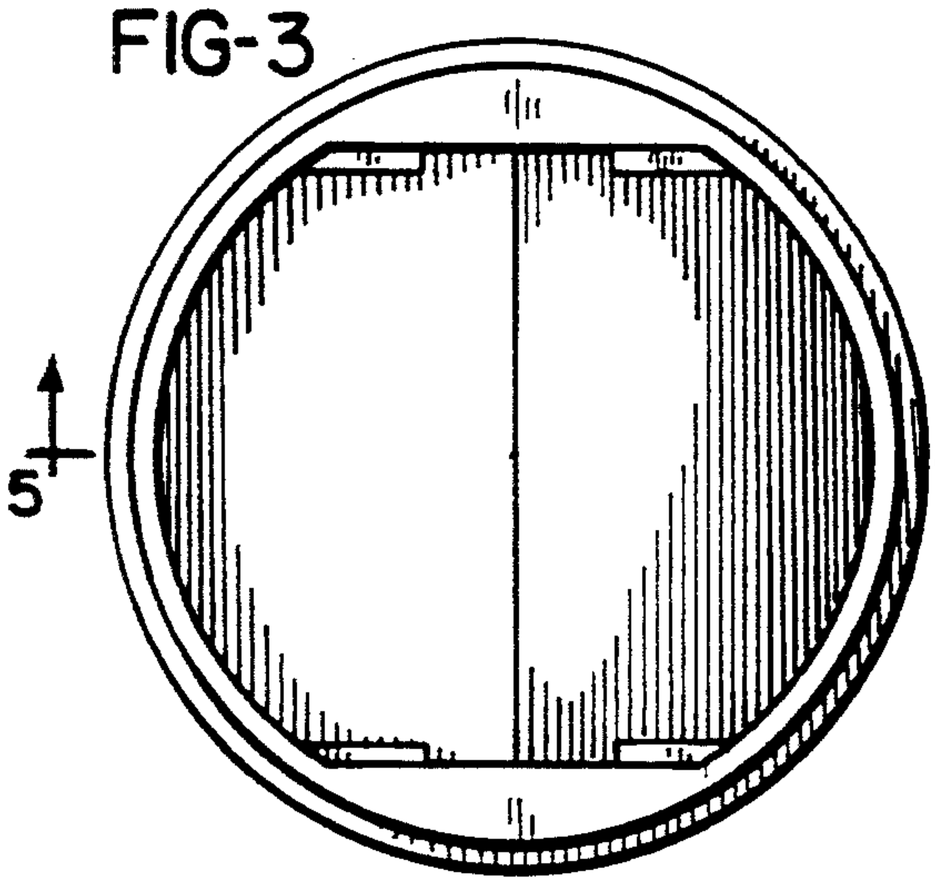

FIG-4

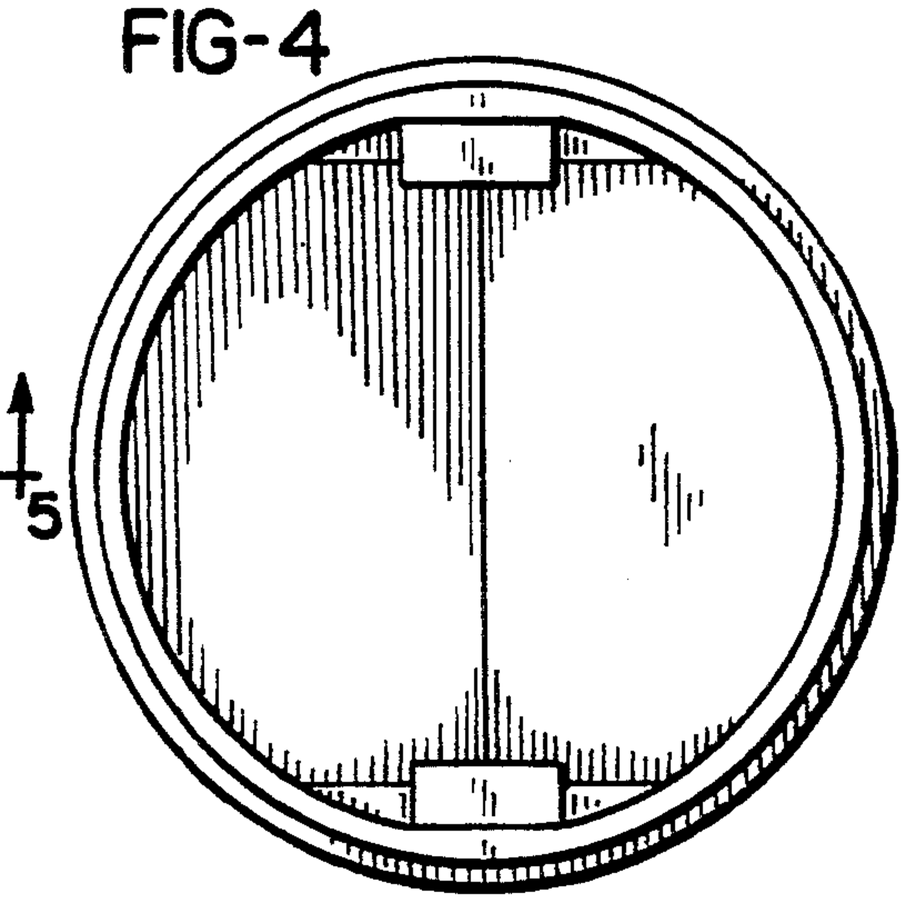

FIG-5

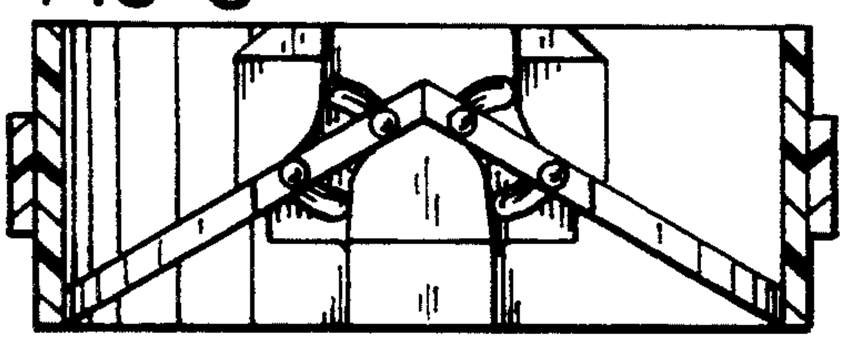

FIG-6

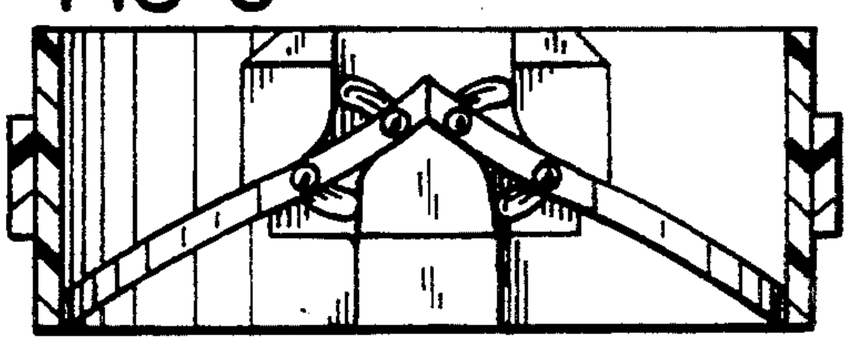

FIG-7

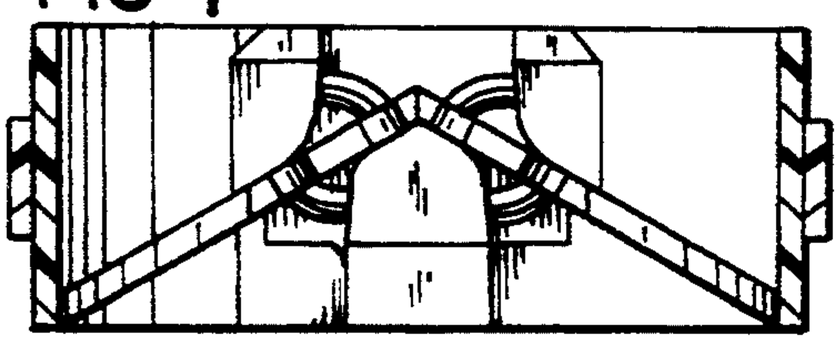

FIG-8

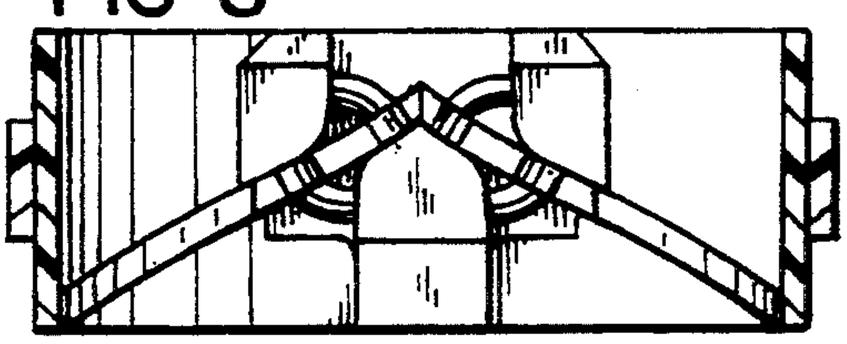

FIG-9

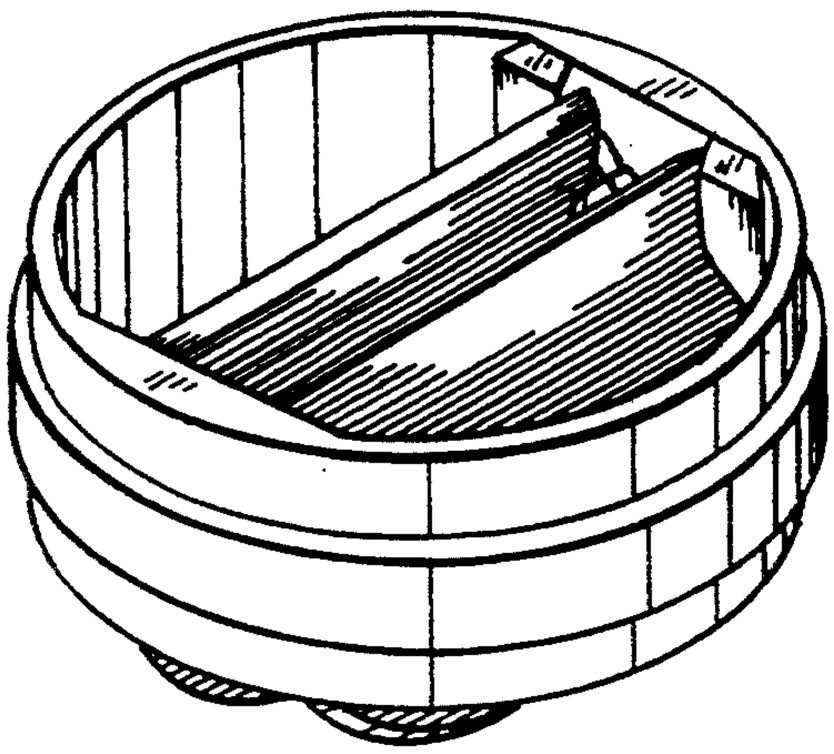

FIG-10

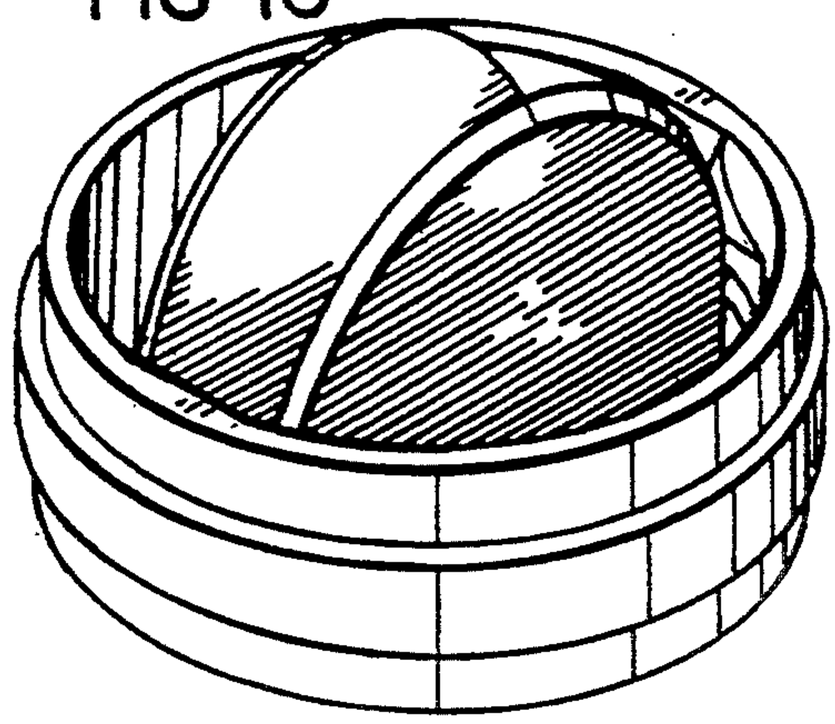

FIG-11

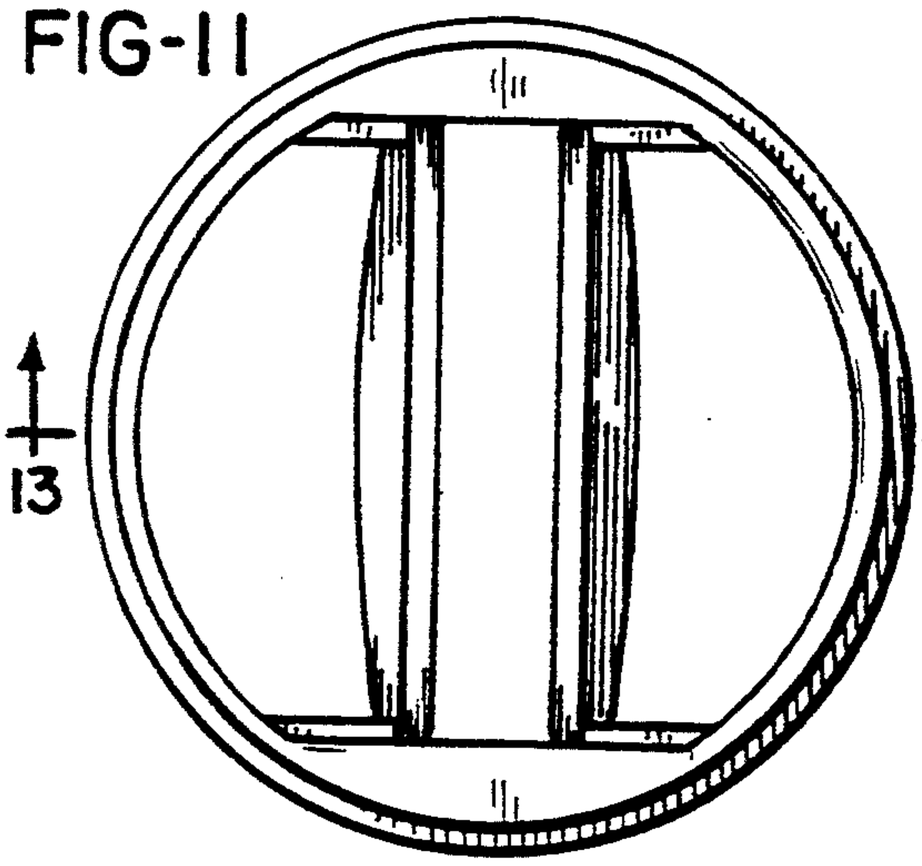

FIG-12

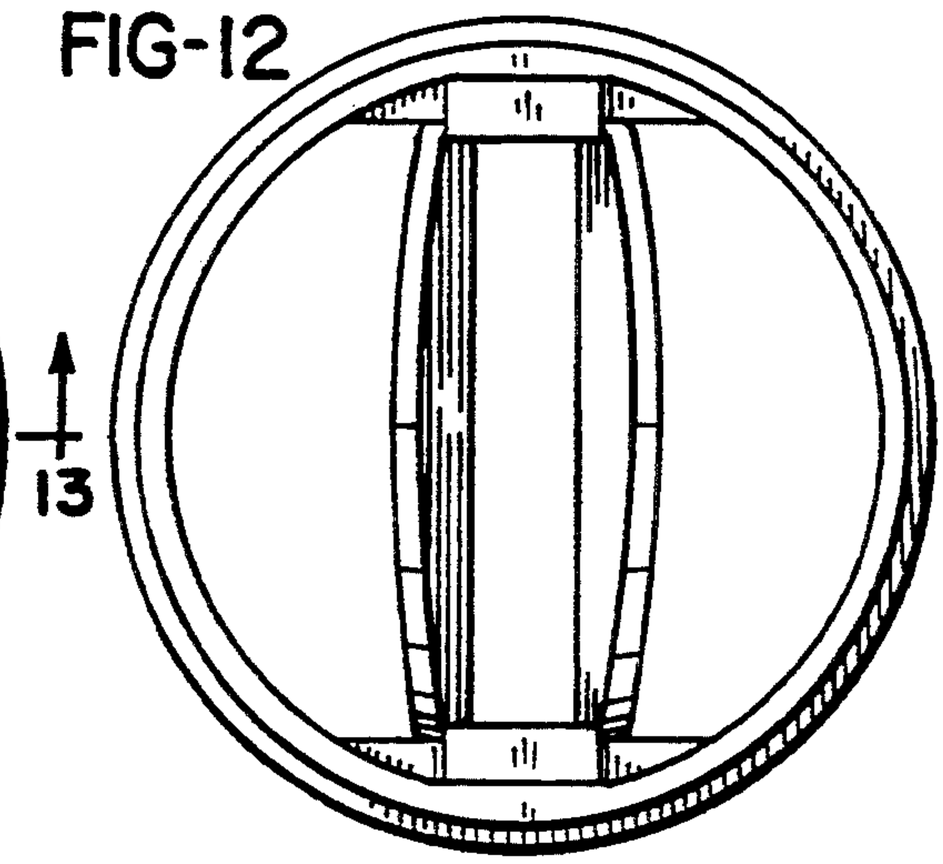

FIG-13

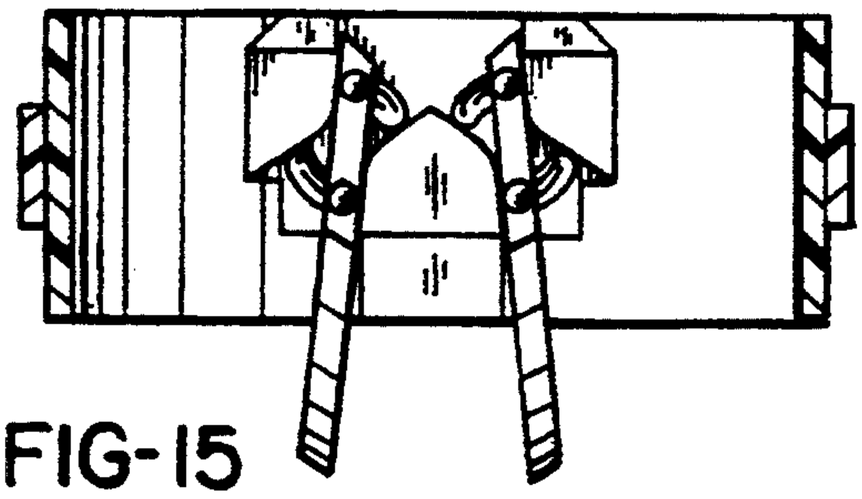

FIG-14

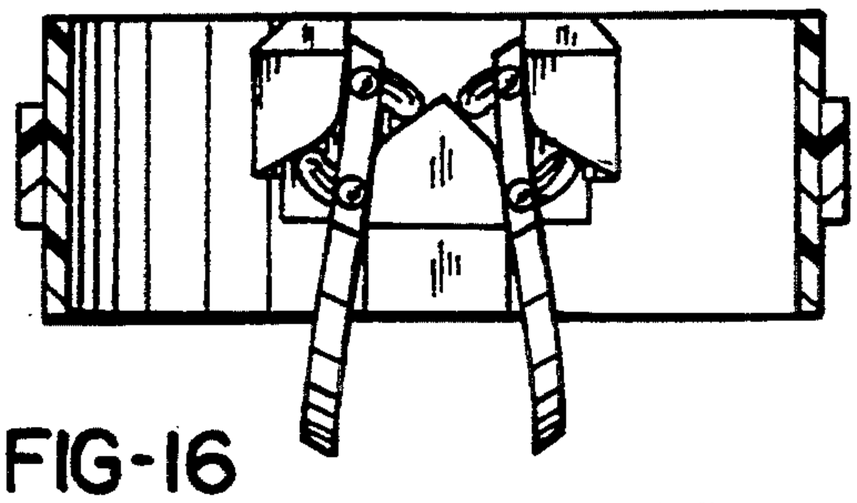

FIG-15

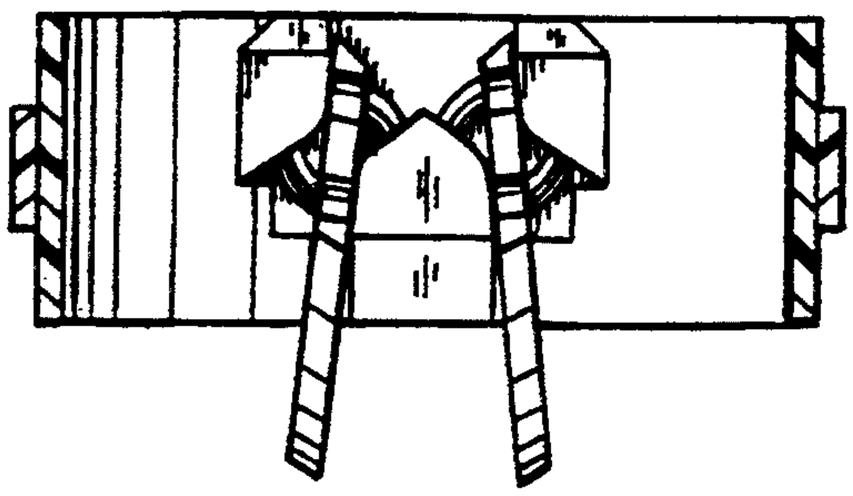

FIG-16

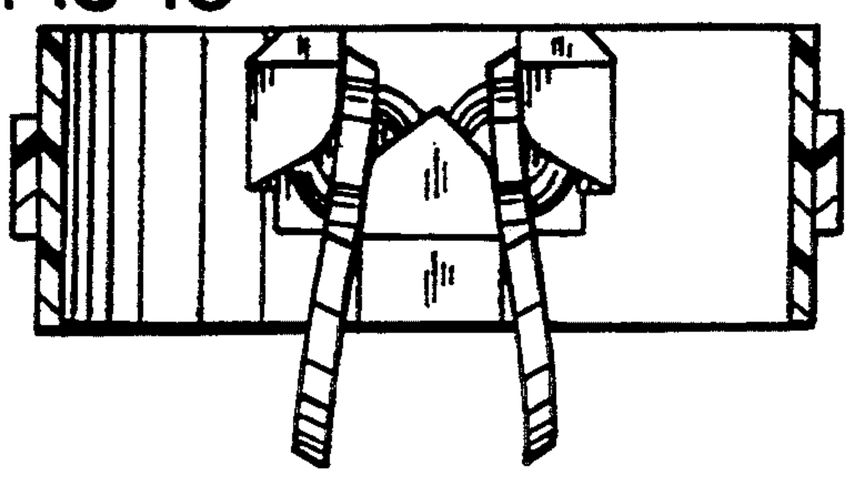

FIG-17

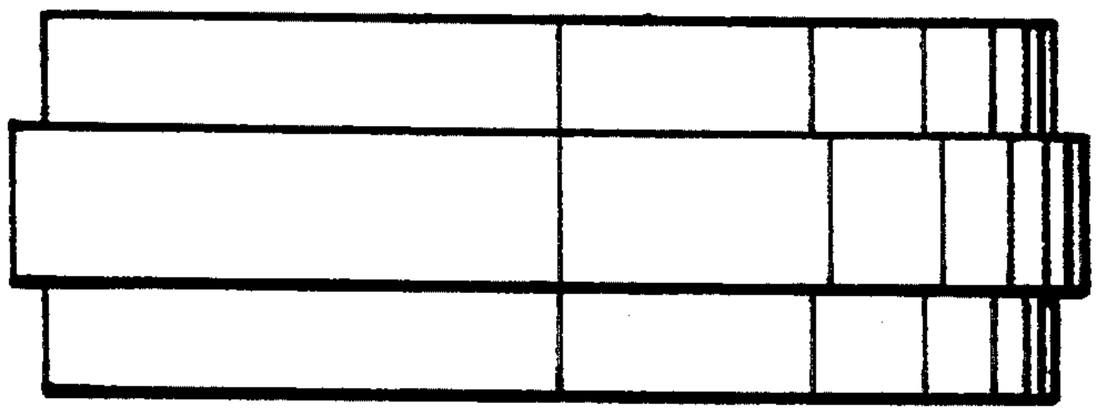

FIG-18

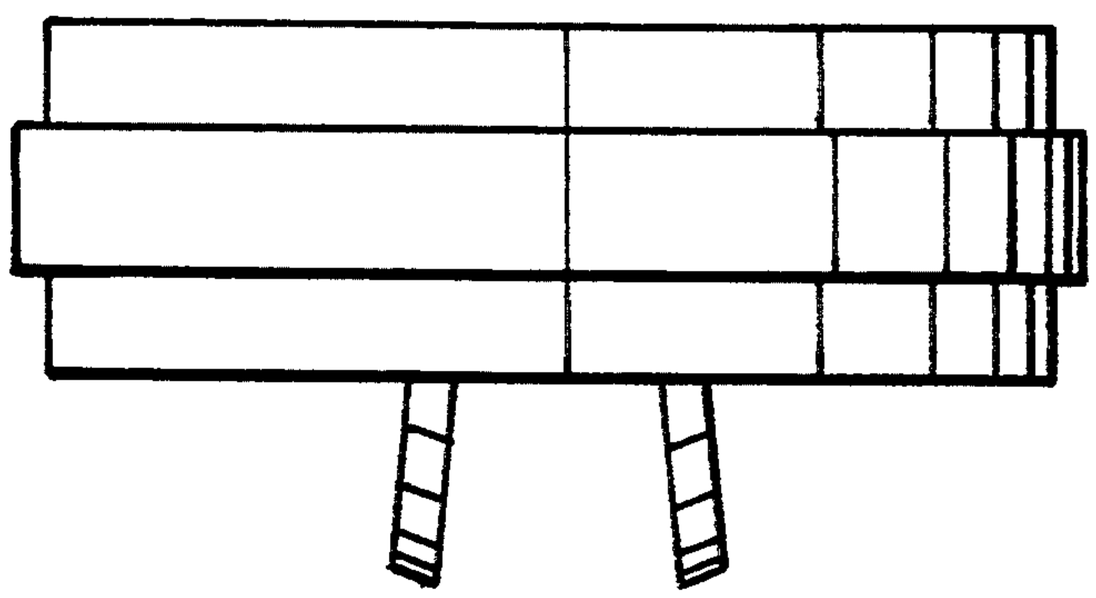

FIG-19