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United States Patent [19]

Kirimoto

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[45] **Date of Patent: ** Aug. 29, 2000**

[54] **BICYCLE CRANK ARM PORTION**

[75] Inventor: **Kanji Kirimoto**, Osaka, Japan

[73] Assignee: **Shimano Inc.**, Osaka, Japan

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

[21] Appl. No.: **29/101,159**

[22] Filed: **Feb. 25, 1999**

[51] **LOC (7) Cl.** **12-11**

[52] **U.S. Cl.** **D12/123**

[58] **Field of Search** D12/123; 74/594.1–594.7; 474/152, 160; 280/259, 260; 188/24.15, 24.21

[56] **References Cited**

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Primary Examiner—Alan P. Douglas
Assistant Examiner—Linda Brooks
Attorney, Agent, or Firm—Shinjyu Global IP Counselors, LLP

[57] **CLAIM**

The ornamental design for a bicycle crank arm portion, as shown and described.

DESCRIPTION

FIG. **1** is a bottom perspective view of a bicycle crank arm portion in accordance with a first embodiment of my new design;

FIG. **2** is a right side elevational view of the bicycle crank arm portion illustrated in FIG. **1**;

FIG. **3** is a front elevational view of the bicycle crank arm portion illustrated in FIGS. **1** and **2**;

FIG. **4** is a left side elevational view of the bicycle crank arm portion illustrated in FIGS. **1–3**;

FIG. **5** is a rear side end elevational view of the bicycle crank arm portion illustrated in FIGS. **1–4**;

FIG. **6** is a bottom plan view of the bicycle crank arm portion illustrated in FIGS. **1–5**;

FIG. **7** is a bottom perspective view of a bicycle crank arm portion in accordance with a second embodiment of my new design;

FIG. **8** is a right side elevational view of the bicycle crank arm portion illustrated in FIG. **7**;

FIG. **9** is a front elevational view of the bicycle crank arm portion illustrated in FIGS. **7** and **8**;

FIG. **10** is a left side elevational view of the bicycle crank arm portion illustrated in FIG. **9**;

FIG. **11** is a rear side end elevational view of the bicycle crank arm portion illustrated in FIG. **9**;

FIG. **12** is a bottom plan view of the bicycle crank arm portion illustrated in FIG. **9**;

FIG. **13** is a bottom perspective view of a bicycle crank arm portion in accordance with a third embodiment of my new design;

FIG. **14** is a right side elevational view of the bicycle crank arm portion illustrated in FIG. **13**;

FIG. **15** is a front elevational view of the bicycle crank arm portion illustrated in FIGS. **13** and **14**;

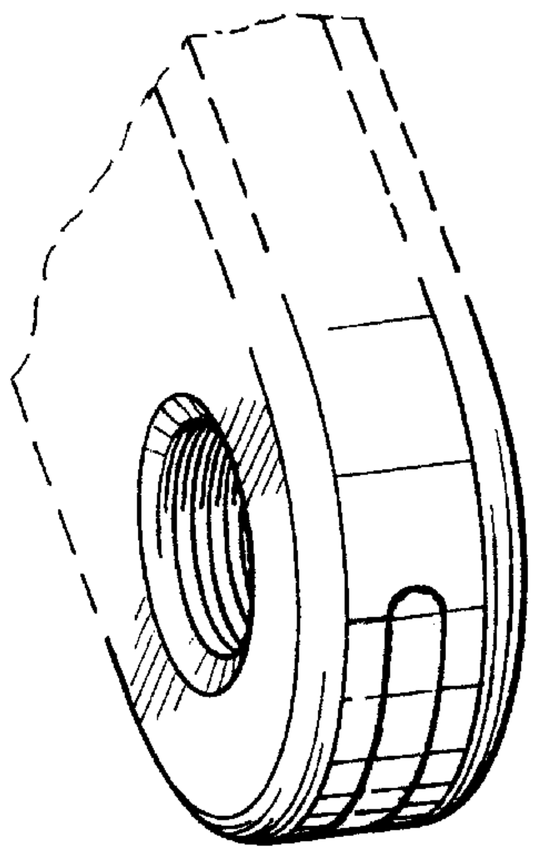
FIG. **16** is a left side elevational view of the bicycle crank arm portion illustrated in FIGS. **13–15**;

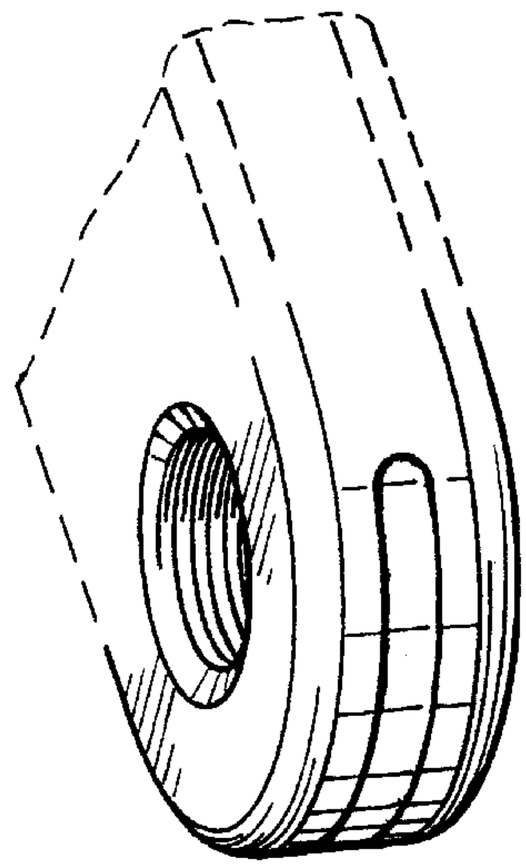
FIG. **17** is a rear side end elevational view of the bicycle crank arm portion illustrated in FIGS. **13–16**; and,

FIG. **18** is a bottom plan view of the bicycle crank arm portion illustrated in FIGS. **13–17**.

The broken line showing of environment (the remaining structure of the bicycle crank arm) in the Figures is for illustrative purposes only and forms no part of the claimed designs. Also, the cross-sectional views and the broken away portions are presented for better understanding the claimed designs.

1 Claim, 6 Drawing Sheets





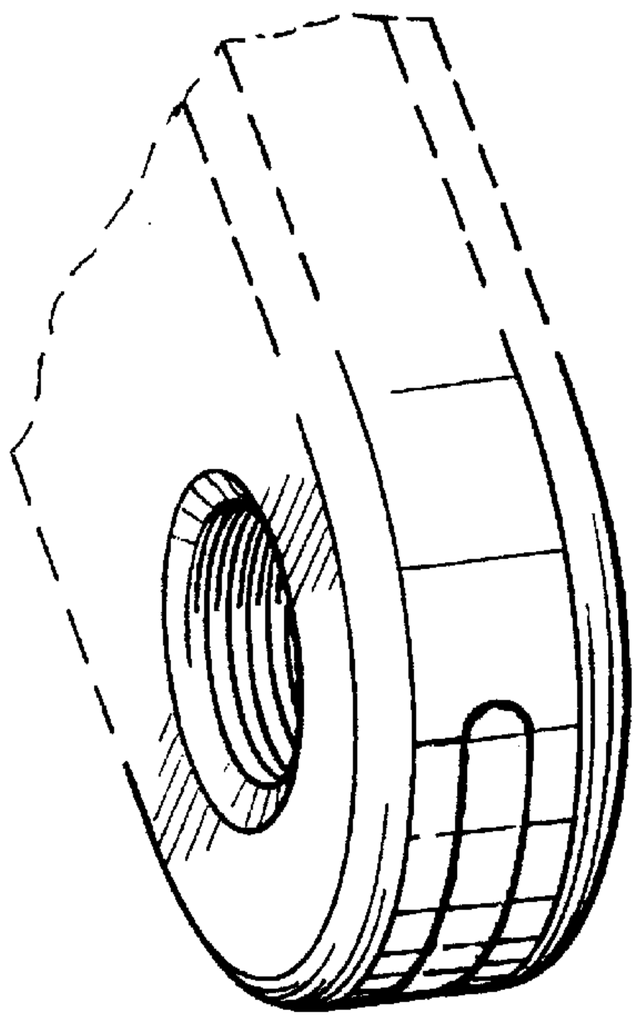


FIG. 1

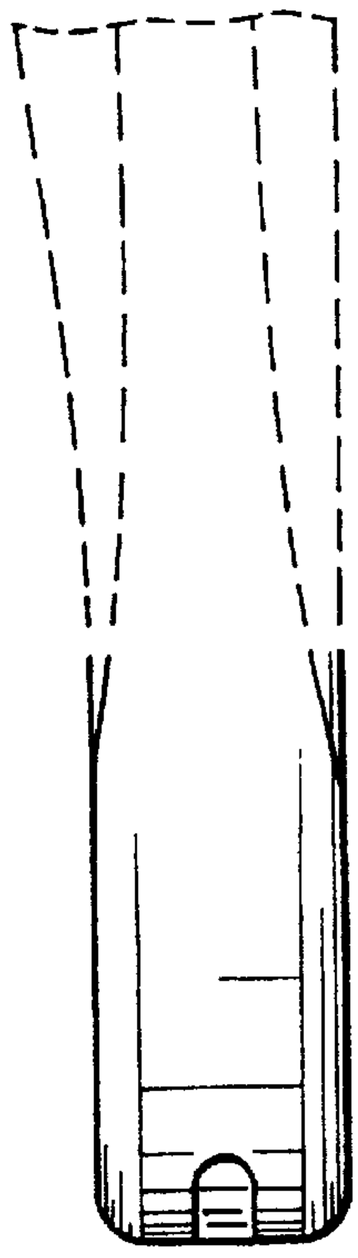


FIG. 2

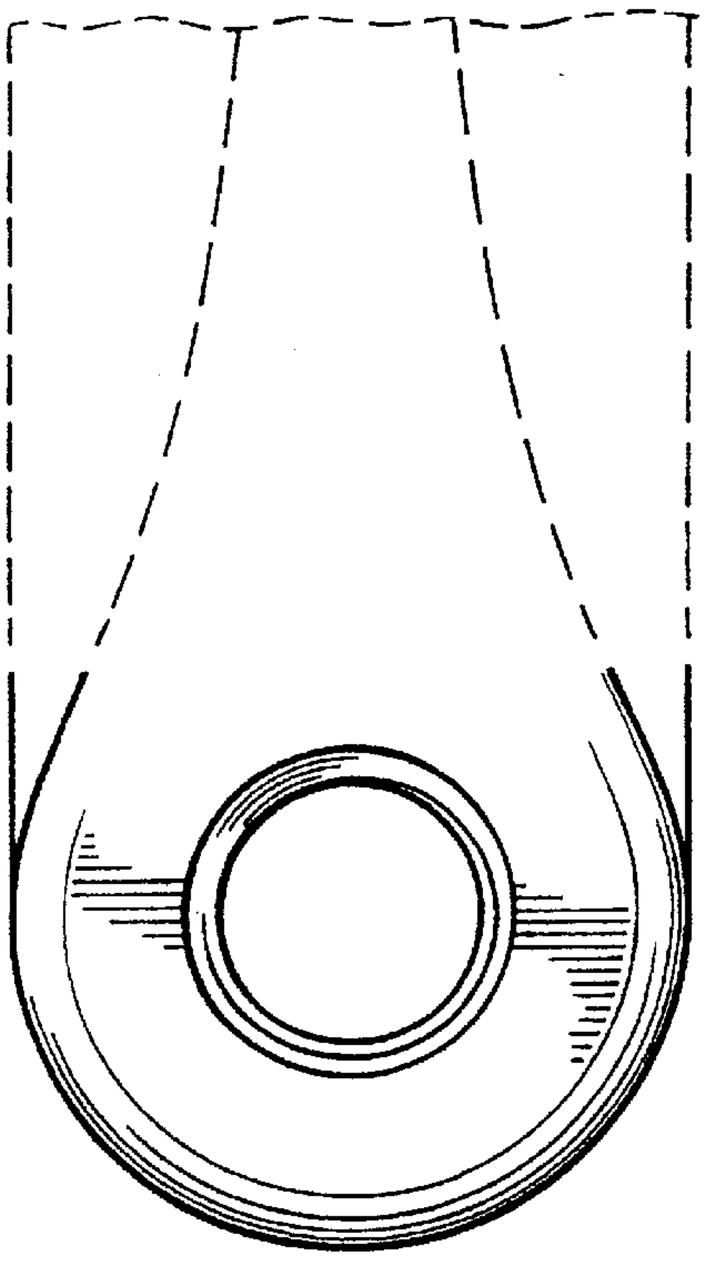


FIG. 3

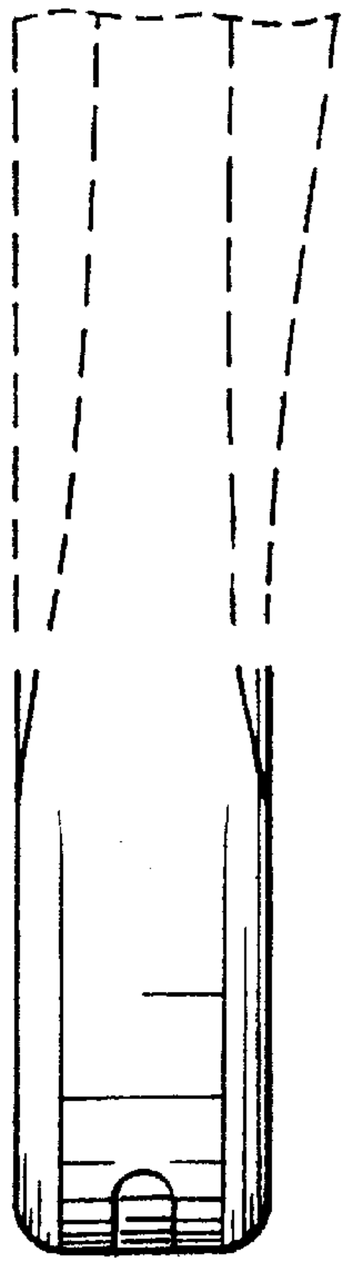


FIG. 4

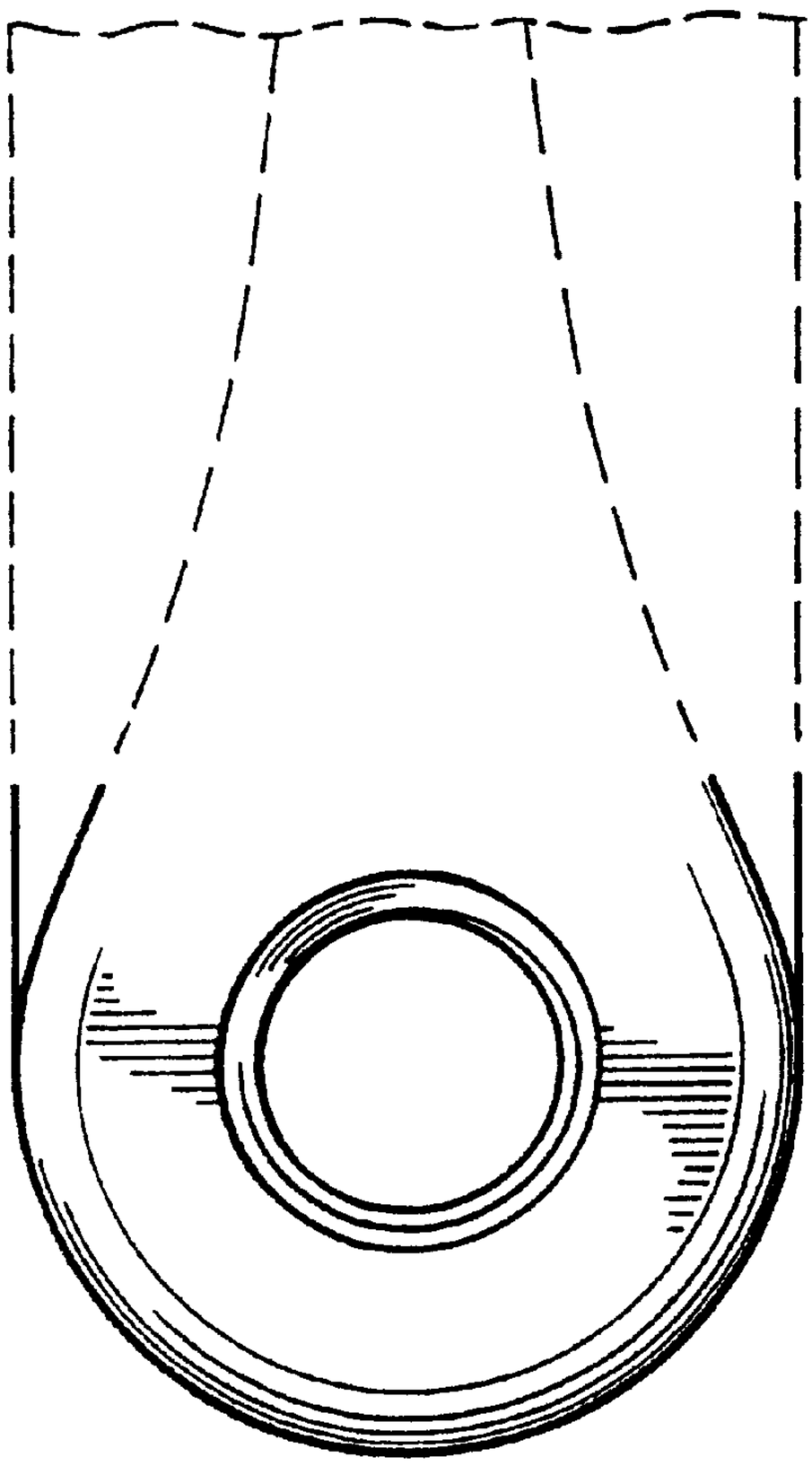


FIG. 5

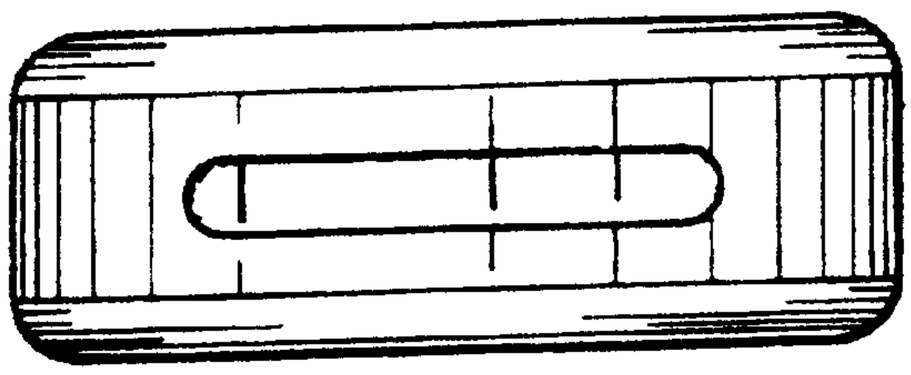


FIG. 6

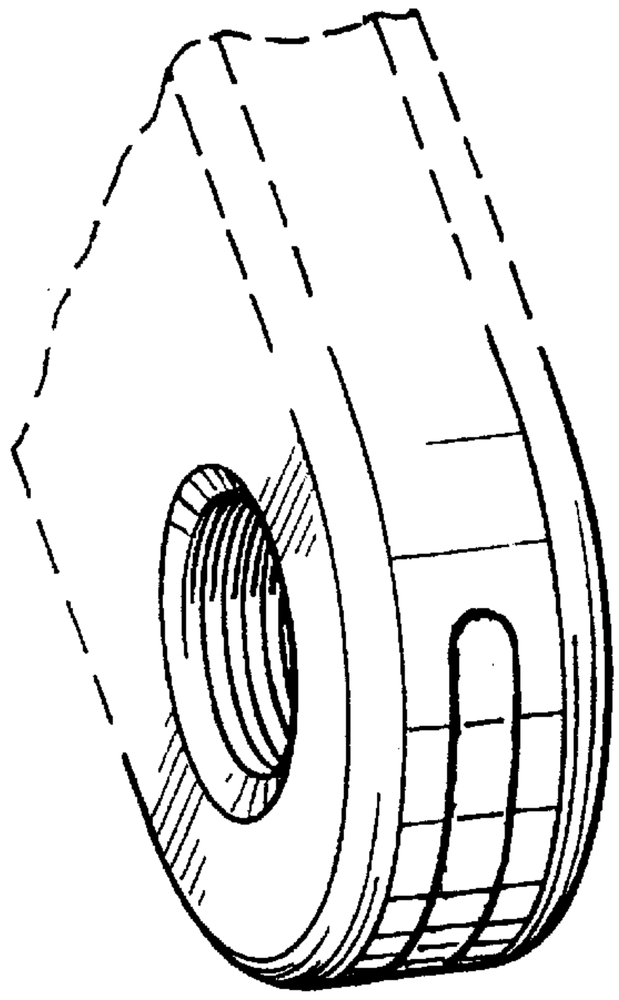


FIG. 7

FIG. 8

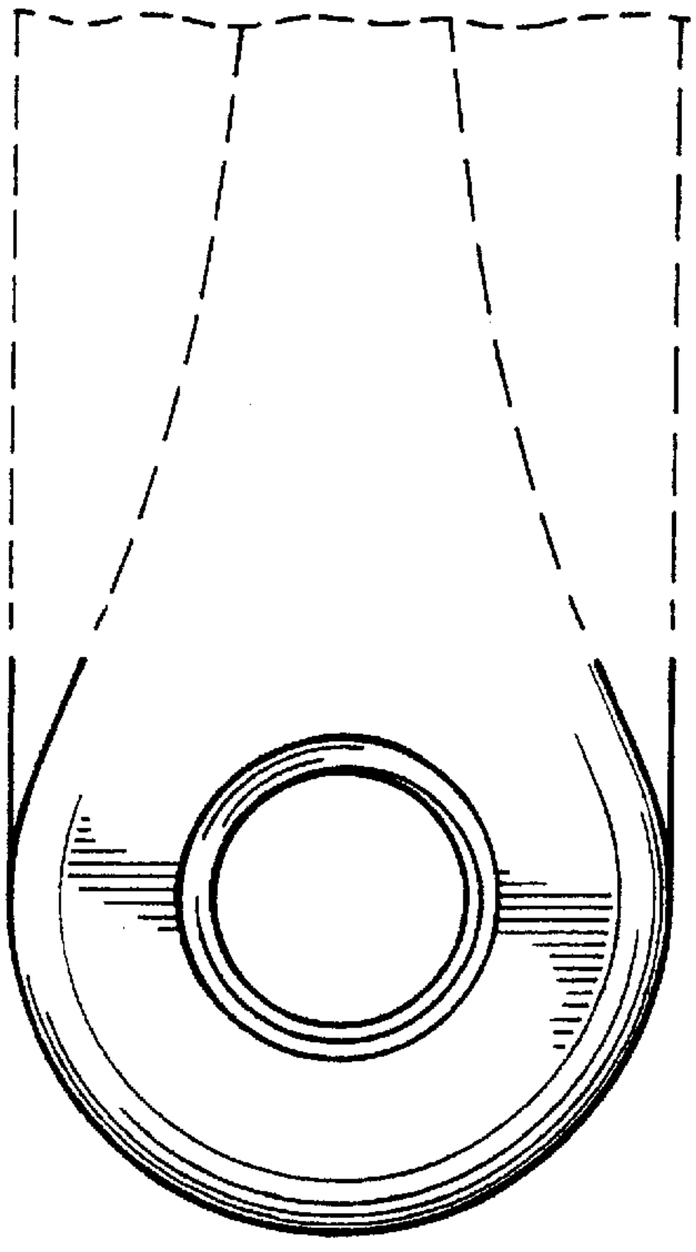


FIG. 9

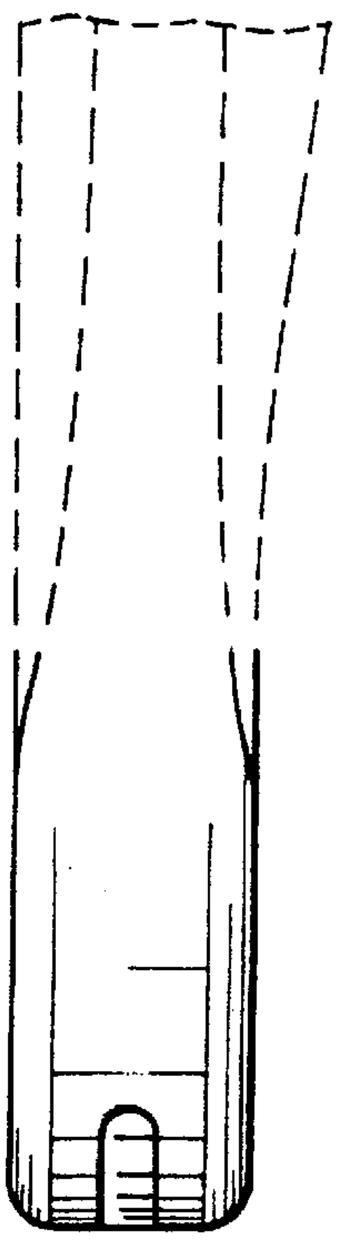


FIG. 10

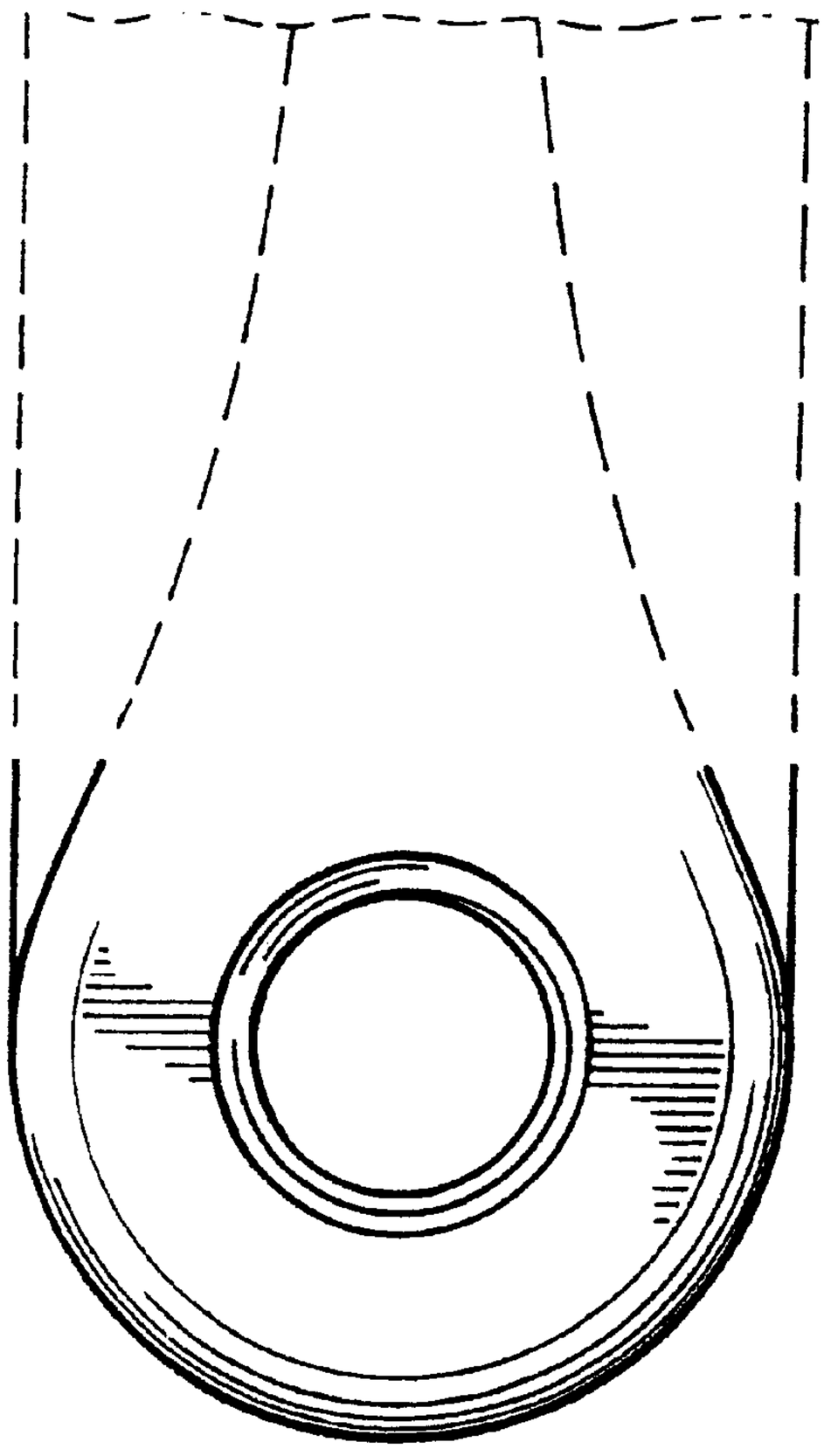


FIG. 11

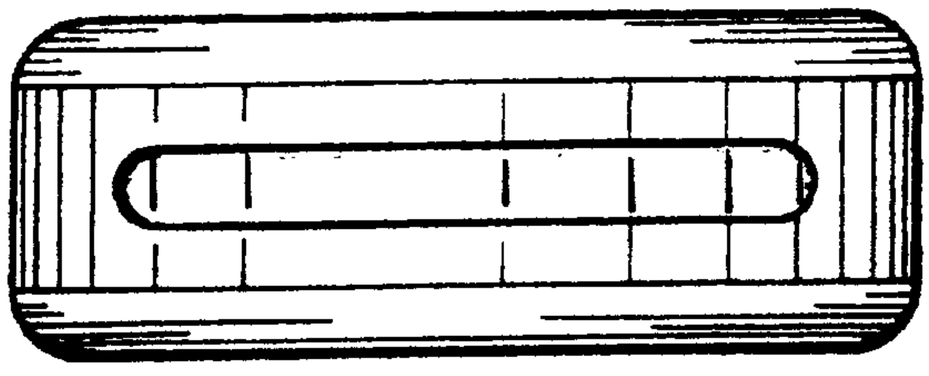


FIG. 12

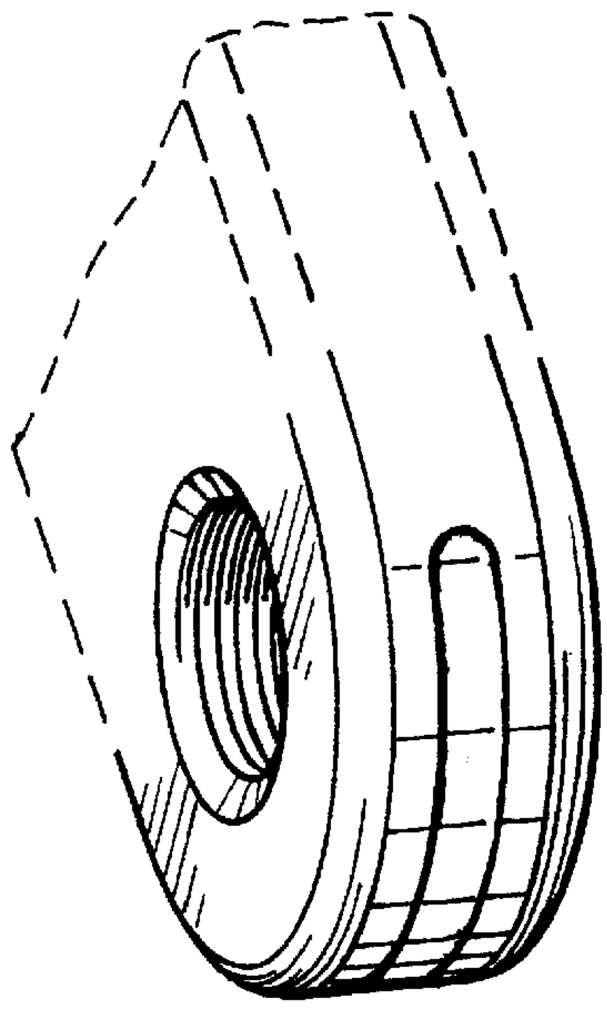


FIG. 13

FIG. 14

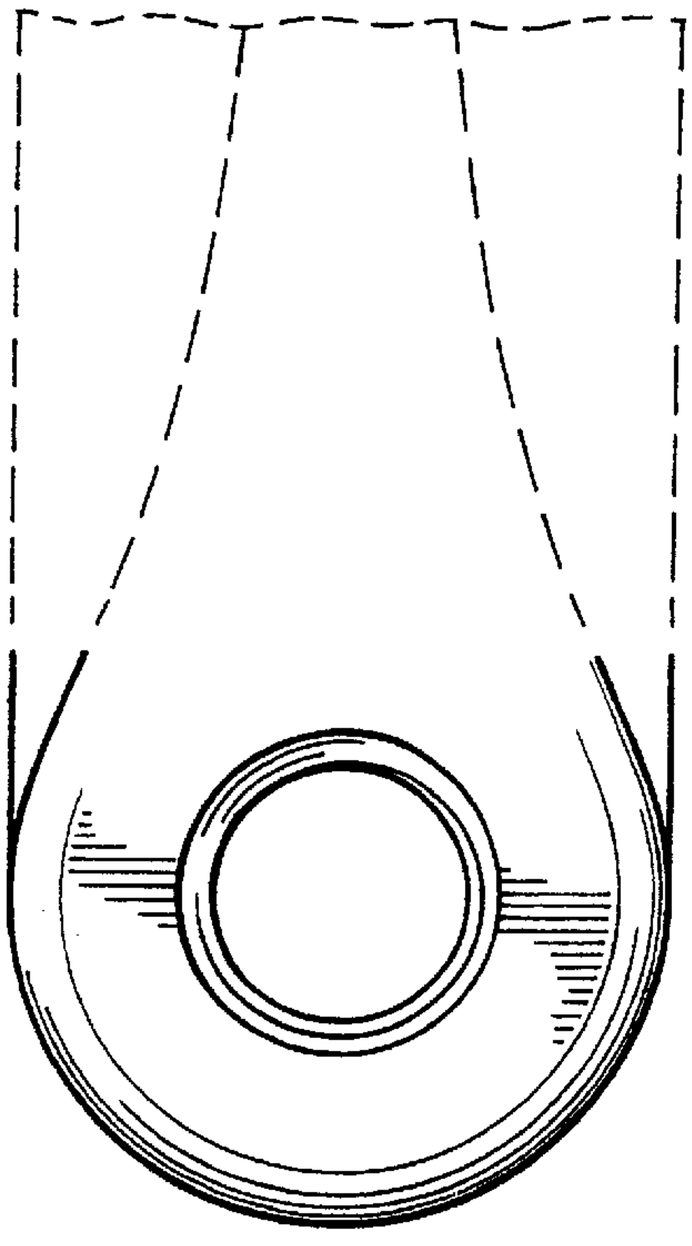


FIG. 15

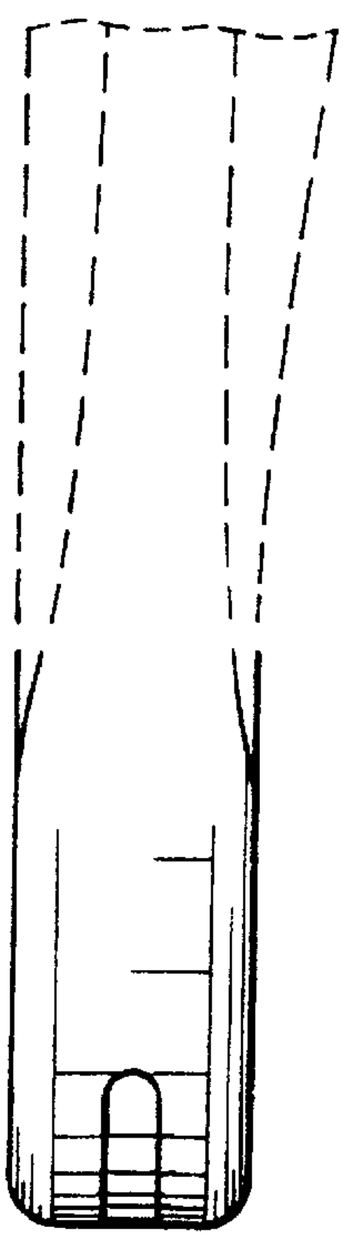


FIG. 16

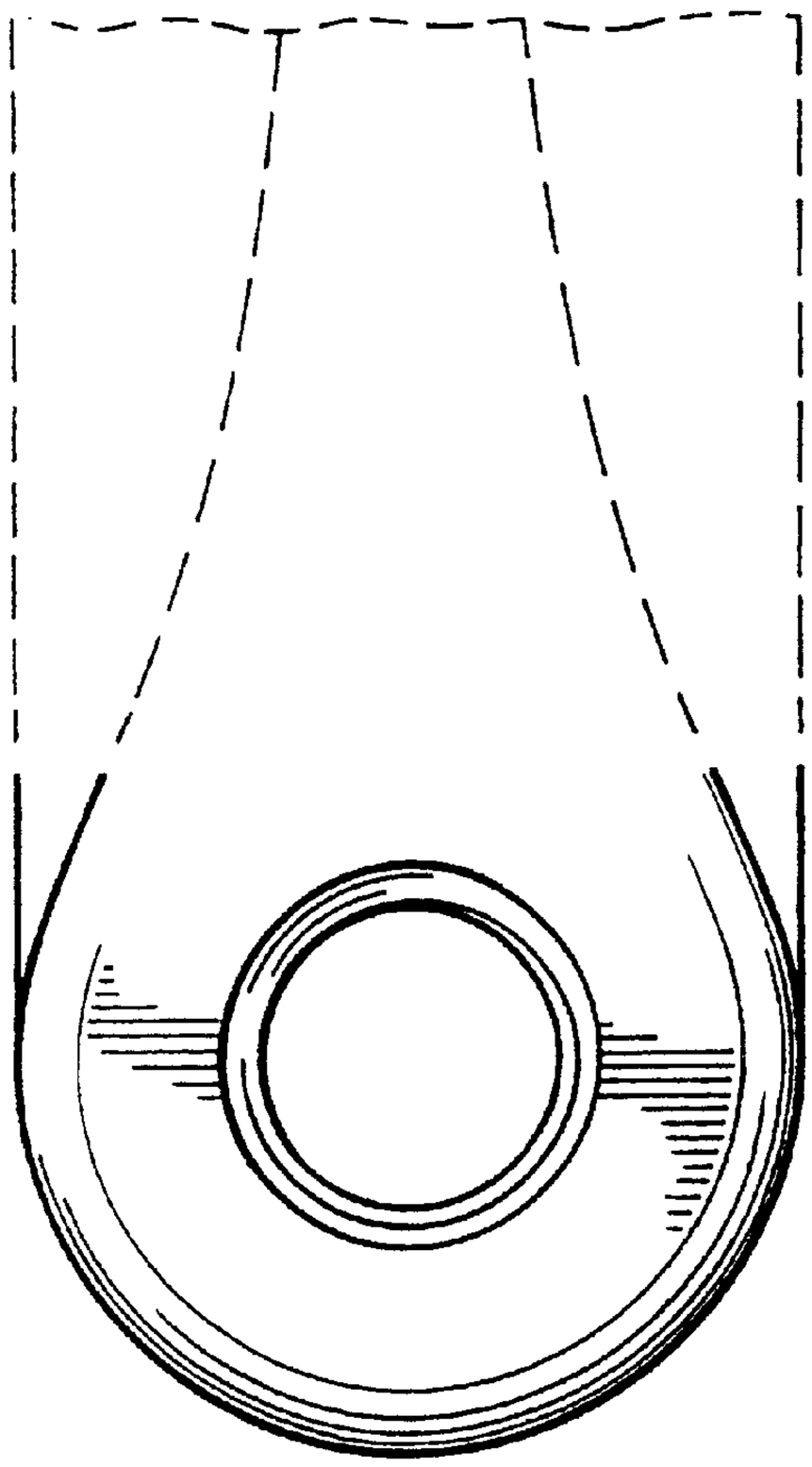


FIG. 17

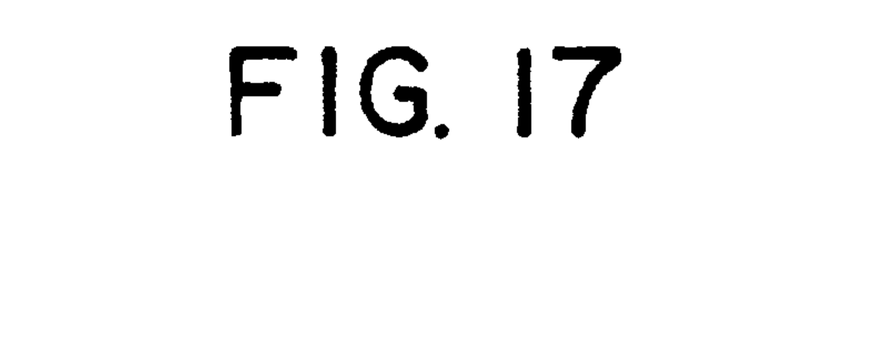


FIG. 18