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Des. 415,052

United States Patent [19]

Mann et al.

SELF-CENTERING ALIGNMENT RING Inventors: Jerry T. Mann; Terry L. Dougherty, both of Birmingham, Ala. Assignee: American Cast Iron Pipe Company, [73] Birmingham, Ala. 14 Years Term: Appl. No.: 29/086,090 Apr. 6, 1998 Filed: [51] [52] [58] 137/365, 556; 470/135 [56] **References Cited** U.S. PATENT DOCUMENTS

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Attorney, Agent, or Firm—Kerkam, Stowell, Kondracki & Clarke, P.C.; John C. Kerins

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[57] CLAIM

[11]

[45]

Patent Number:

The ornamental design of a self-centering alignment ring, as shown and described.

Date of Patent: ** Oct. 12, 1999

DESCRIPTION

FIG. 1 is a perspective view of the self-centering alignment ring in its assembled configuration.

FIG. 2 is a side elevation view of the self-centering alignment ring, taken at the edge where the movable guide member fits onto the alignment ring.

FIG. 3 is a side elevation view of the self-centering alignment ring, taken at an edge rotated 90 degrees from the edge shown in FIG. 2.

FIG. 4 is a side elevation view of the self-centering alignment ring, taken at an edge rotated 180 degrees from the edge shown in FIG. 2.

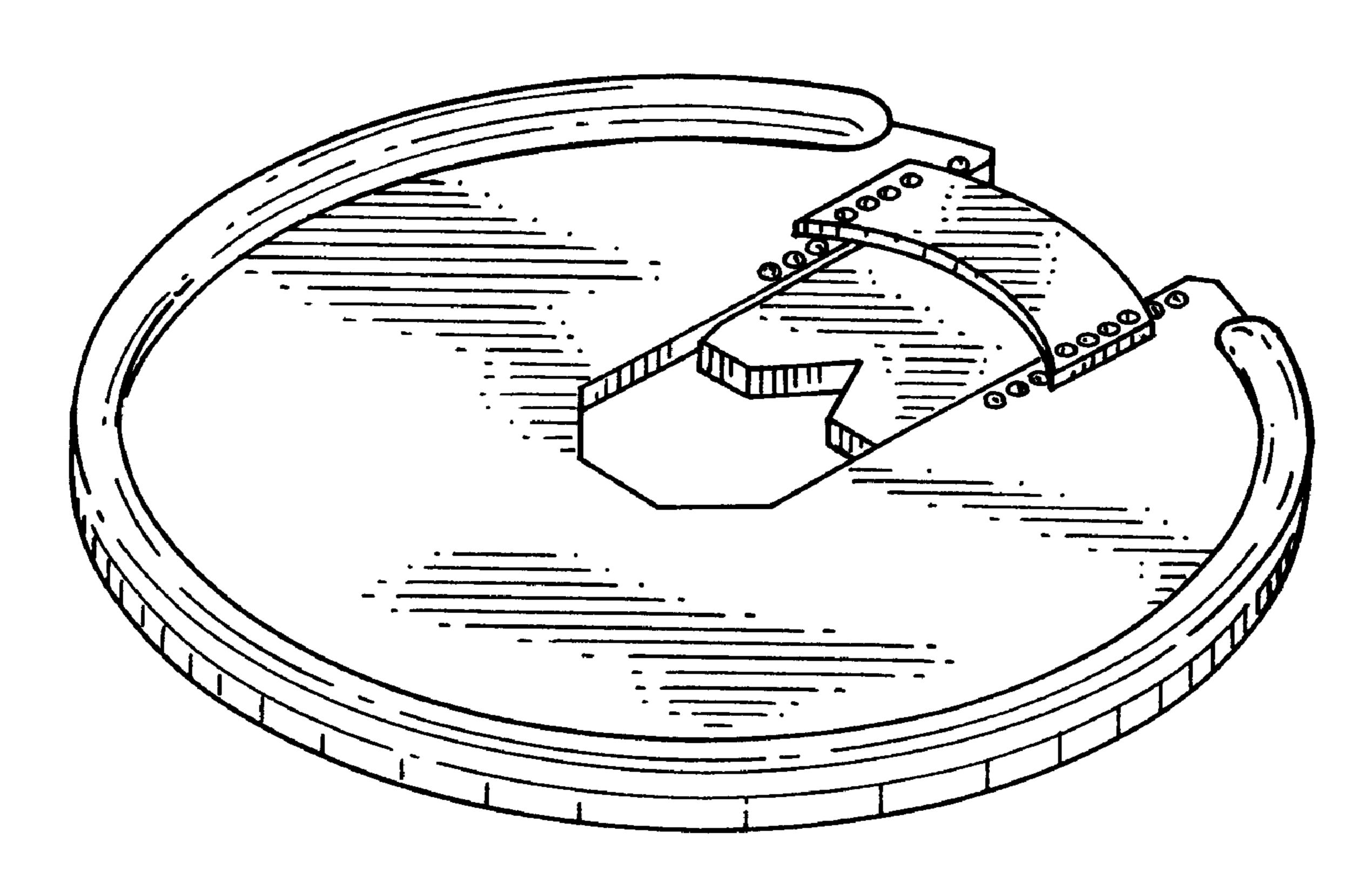
FIG. 5 is a top plan view of the self-centering alignment ring.

FIG. 6 is a bottom plan view of the self-centering alignment ring.

FIG. 7 is an exploded perspective view taken at an upper side of the self-centering alignment ring; and,

FIG. 8 is an exploded perspective view taken at a lower side of the self-centering alignment ring.

1 Claim, 3 Drawing Sheets



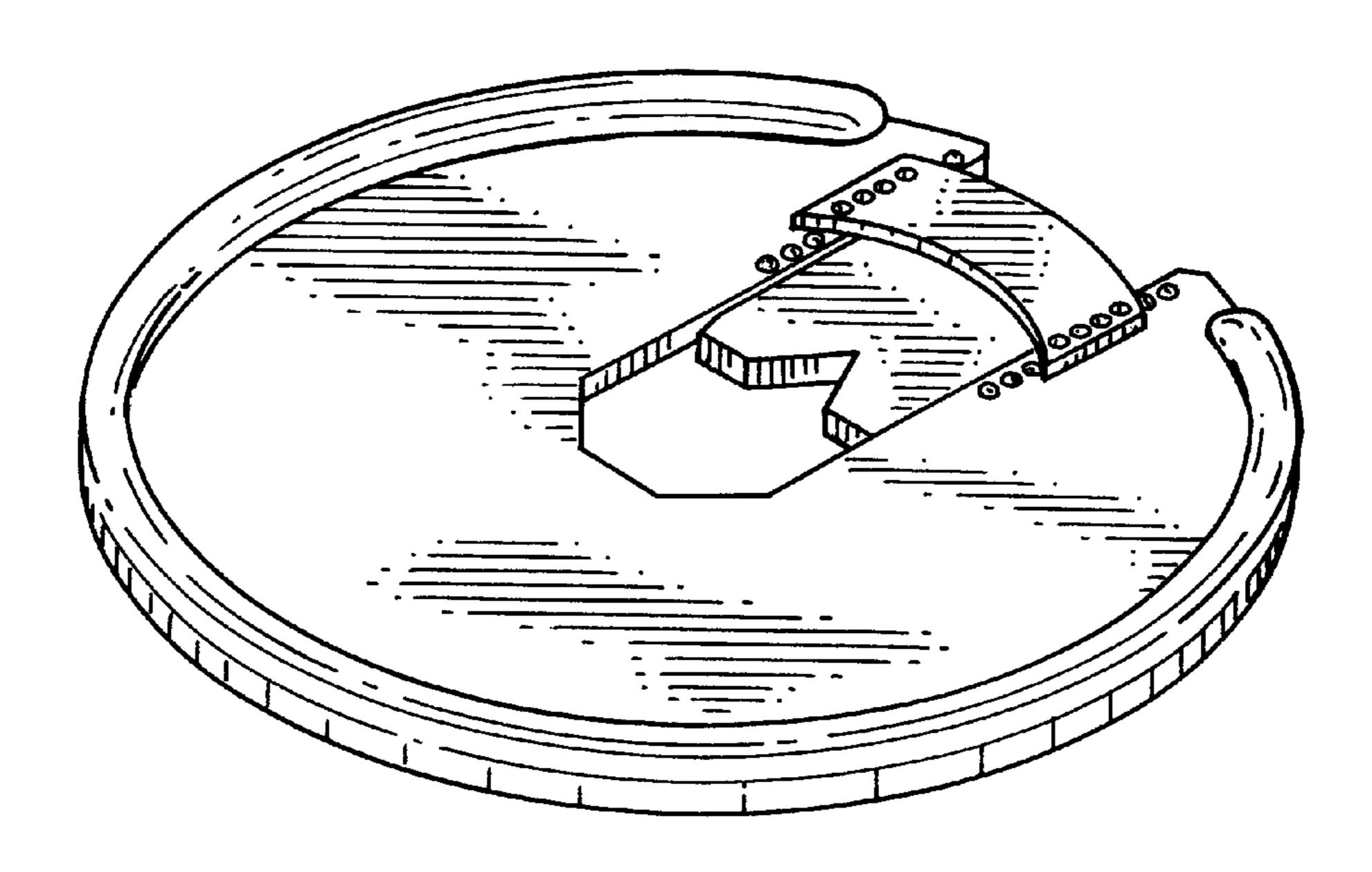
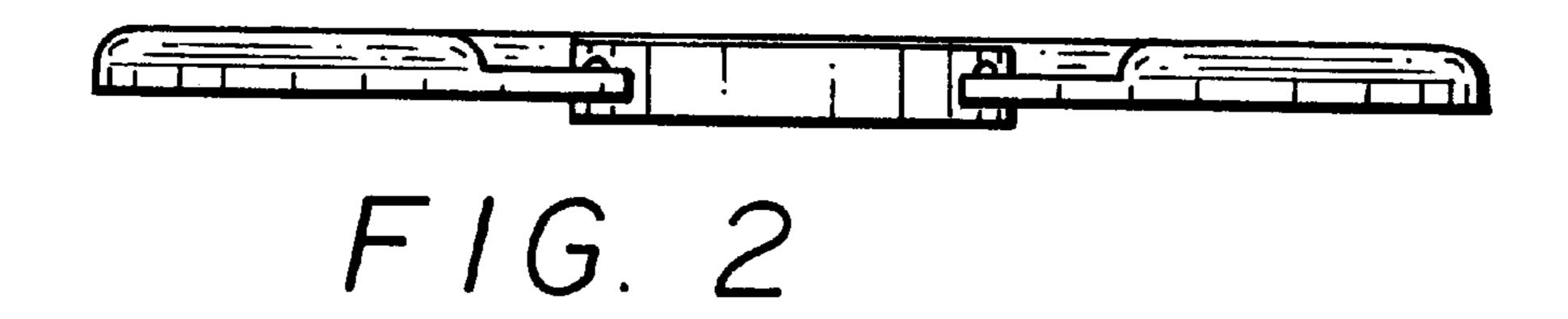
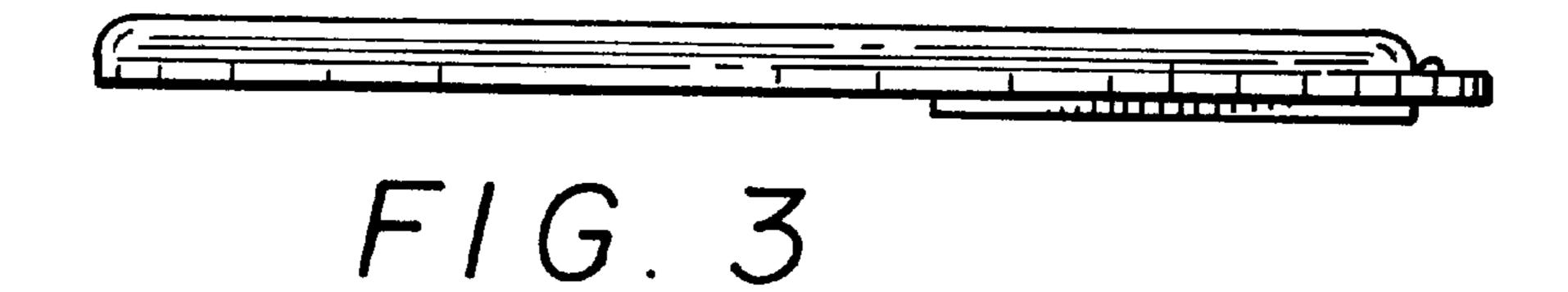
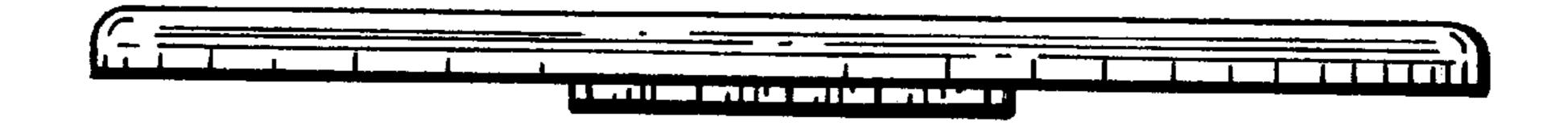


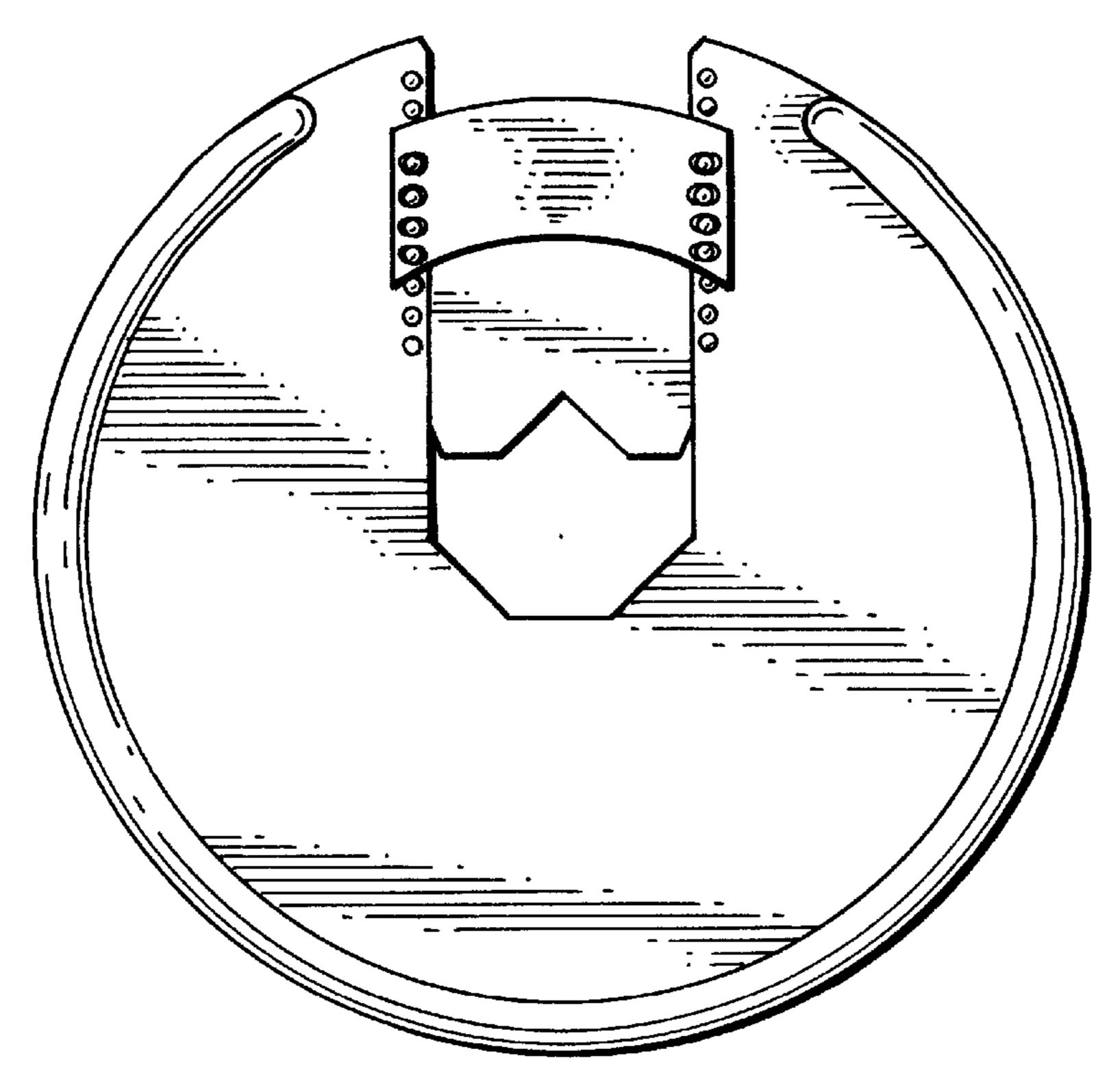
FIG. 1



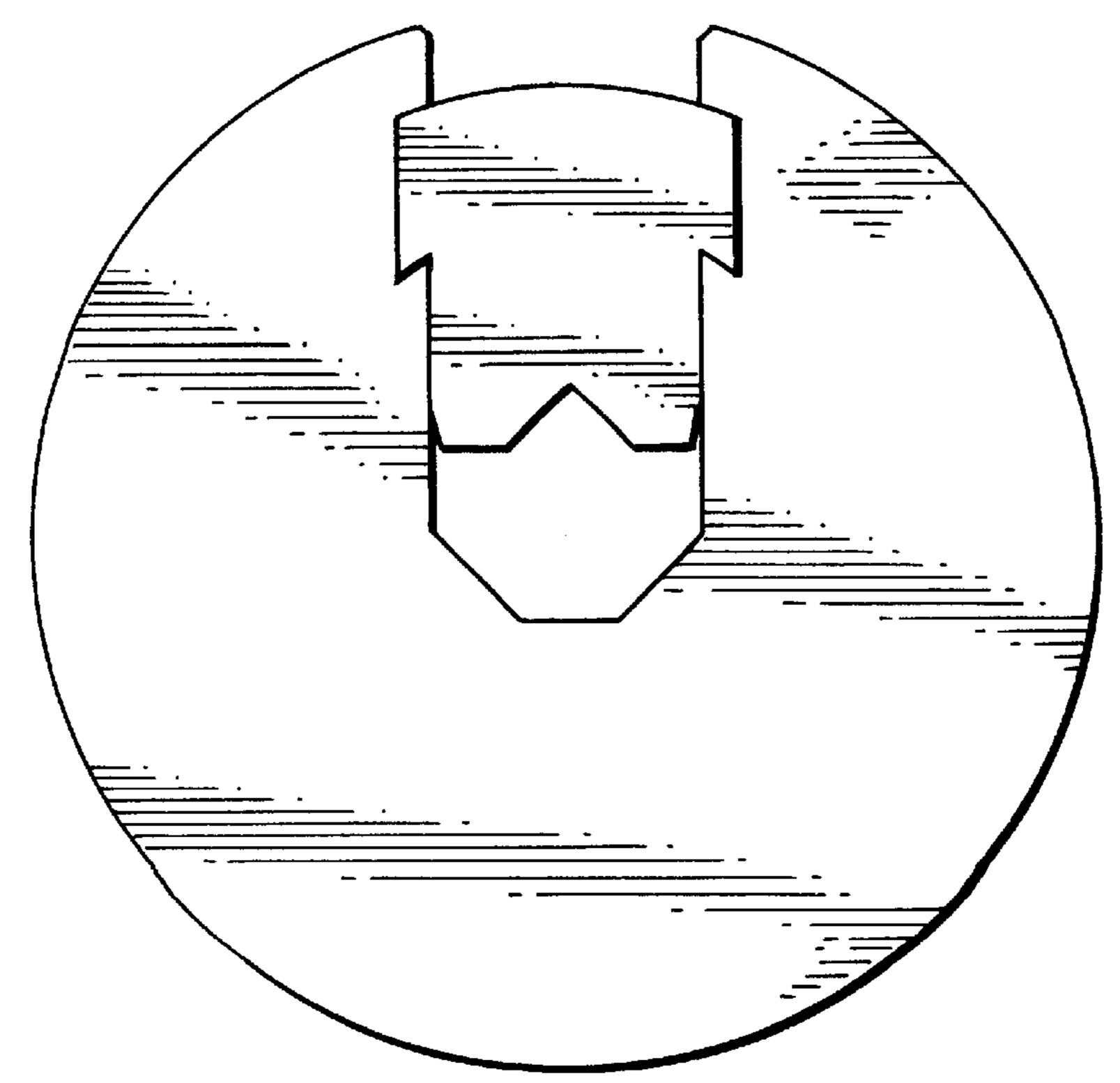




F16. 4



F1G. 5



F1G. 6

