



US00D343365S

United States Patent [19] Beulke

[11] Patent Number: Des. 343,365
[45] Date of Patent: ** Jan. 18, 1994

[54] **SMALL LINE SIZE FLOWMETER**

- [75] Inventor: Melvin R. Beulke, Hopkins, Minn.
- [73] Assignee: Rosemount Inc., Eden Prairie, Minn.
- [**] Term: 14 Years
- [21] Appl. No.: 763
- [22] Filed: Oct. 23, 1992
- [52] U.S. Cl. D10/96; D10/103
- [58] Field of Search 73/861.18-861.25,
73/272 R, 278; D10/96, 99, 100-103; D24/233,
245, 249, 499

[56] **References Cited**

U.S. PATENT DOCUMENTS

D. 296,530	7/1988	Nowacki et al.	D10/96
4,088,020	5/1978	Sgourakes et al.	73/861.24
4,248,098	2/1981	Sawayama	73/861.24
4,718,283	1/1988	Kamentser	73/681.22
4,976,156	12/1990	Lew	73/861.24

OTHER PUBLICATIONS

- Rosemount Inc. Measurement Division, Model 8711 Magnetic Flowmeter Flowtube, Product Data Sheet PDS 4564, Apr. 1991, pp. 2-5.
- Brooks Instrument Division, Emerson Electric Co., Product Information Catalog, Brochure No. DS-7400LW, Jan. 1990, pp. G23-G30.
- Krohne Brochure, ALTOFLUX X-1000 The High Accuracy Electro-Magnetic Flowmeter With The Measuring Section of Fused Alumina Corundum, 12 pages.
- Krohne Brochure, ALTOFLUX X-1000-The Elec-

- tro-Magnetic Flowmeter With The Ceramic Metal-Oxide Measuring Section, 4 pages.
- Fischer & Porter Specification, MINI-MAG® Magnetic Flowmeter, Oct. 1981, pp. 1-5.
- Fischer & Porter Literature, Meet The Money-Saver . . . The New Vortex Flowmeter For Liquids, Gases and Steam, 1984.
- Fischer & Porter Advertisement, True Blue, I&C-S—The Industrial and Process Control Magazine, Mar. 1985.
- Yokogawa Corp. of America Advertisement, If You Have A Fluid And You Can Move It, We Can Meter It.
- Foxboro Advertisement, The Biggest News In Magnetic Flowmeters Is No Big Thing.

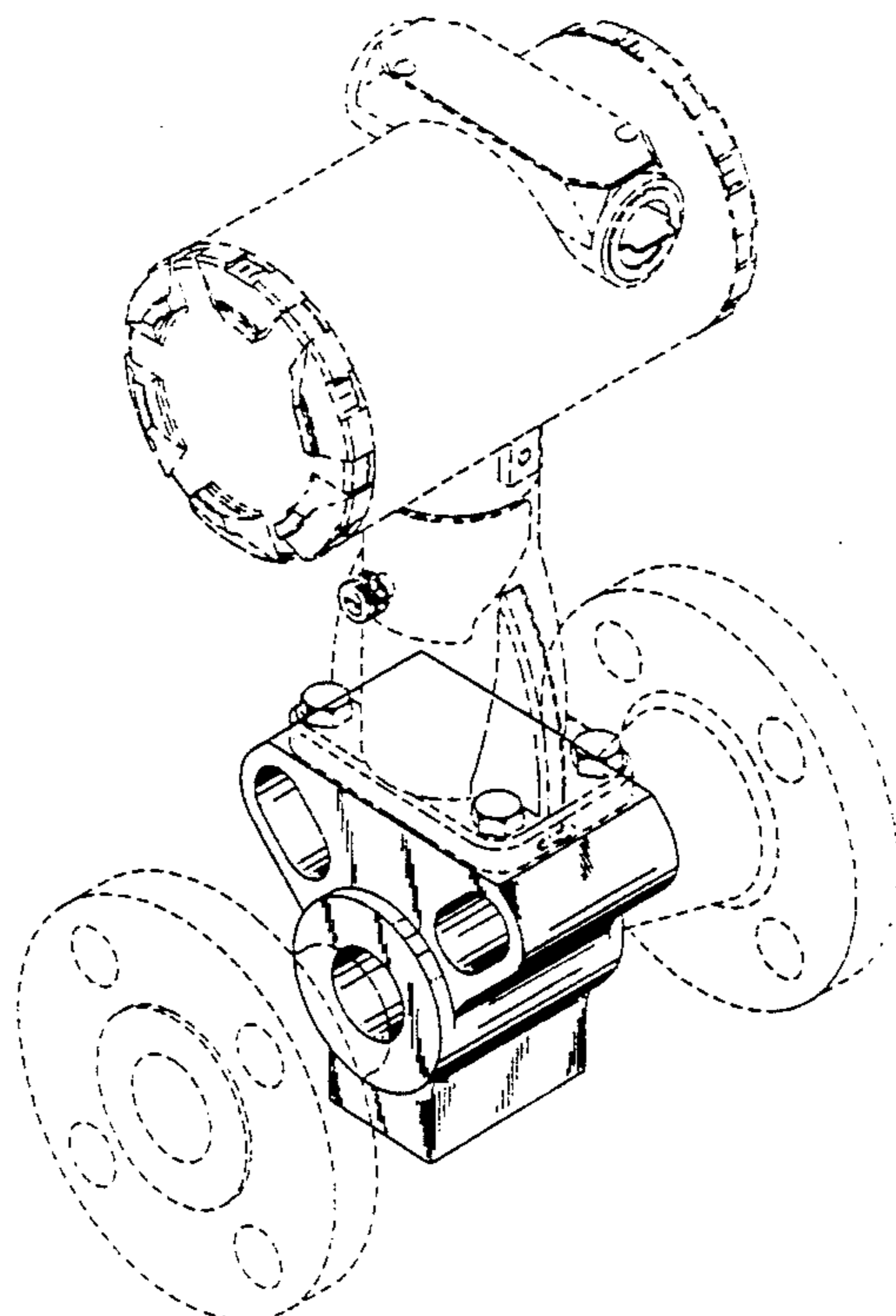
Primary Examiner—Alan P. Douglas
Assistant Examiner—Antoine D. Davis
Attorney, Agent, or Firm—Westman, Champlin & Kelly

[57] **CLAIM**

The ornamental design for a small line size flowmeter, as shown and described.

DESCRIPTION

FIG. 1 is a top, front, and right side view of a small line size flowmeter showing our new design;
 FIG. 2 is a top plan view;
 FIG. 3 is a front view;
 FIG. 4 is a right side elevational view; and,
 FIG. 5 is a bottom plan view thereof.
 FIG. 1 has been drawn on a slightly reduced scale with respect to FIGS. 2-5.
 The broken line showing of flowmeter housing is for illustrative purposes only and forms no part of the claimed design.



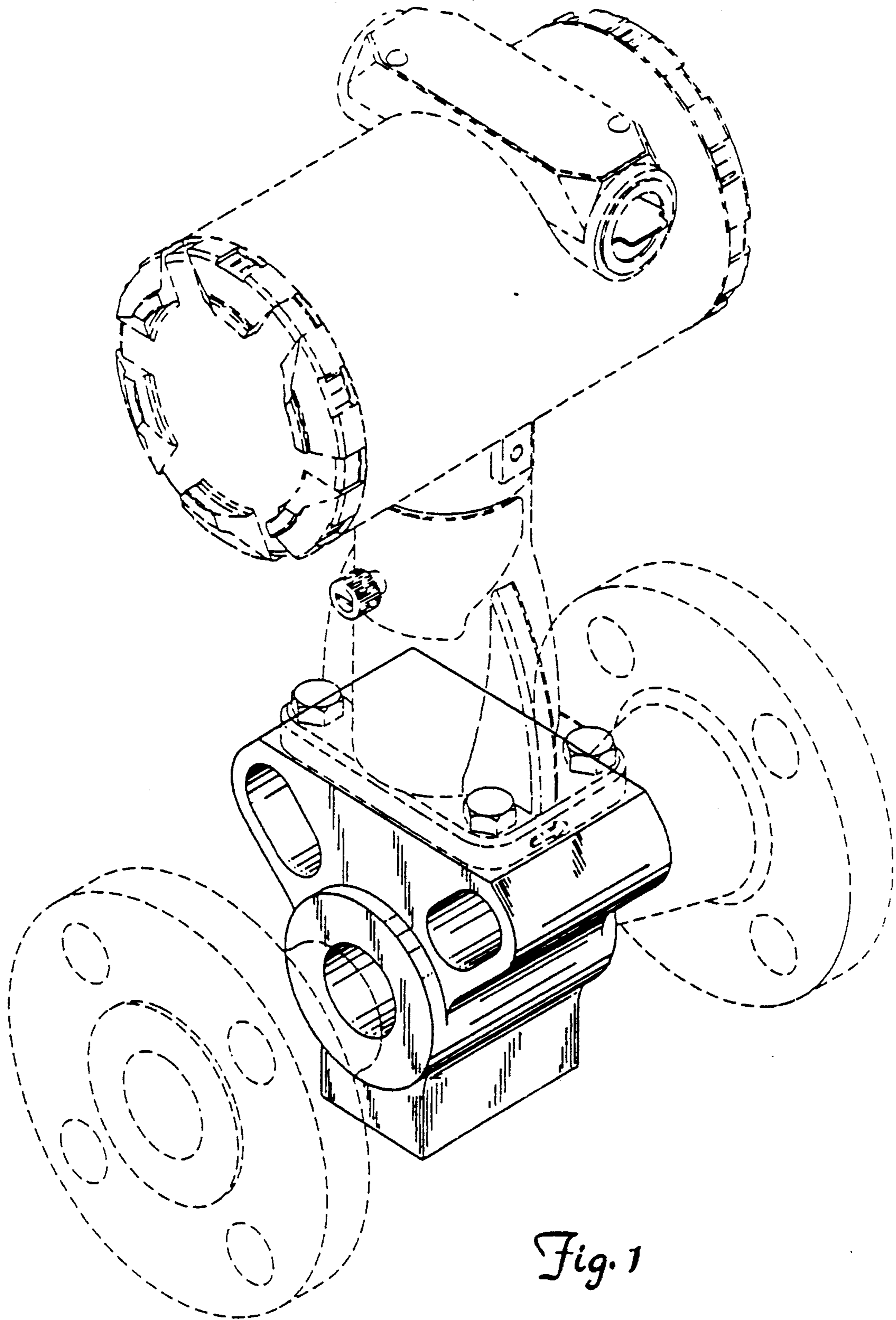


Fig. 1

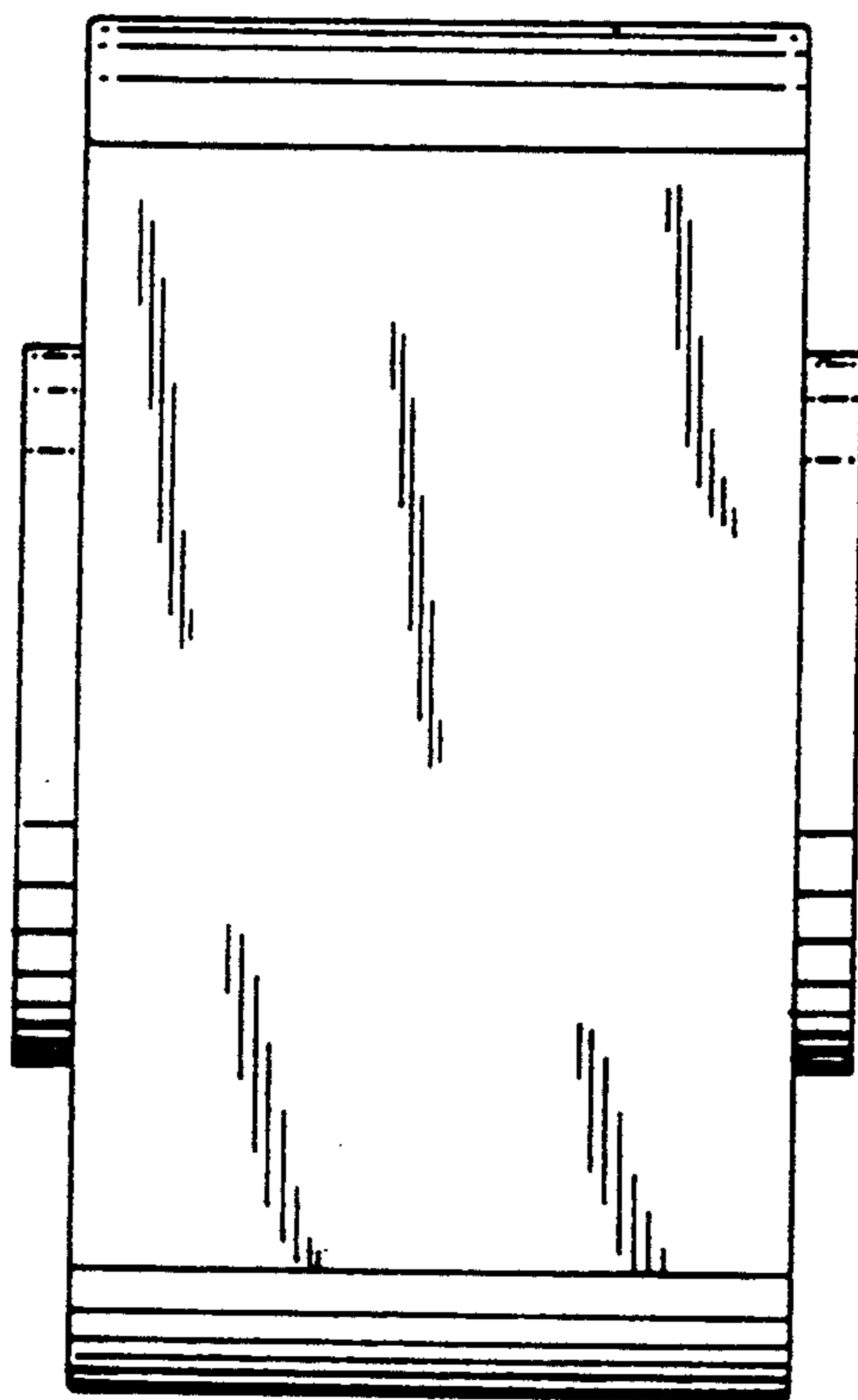


Fig. 2

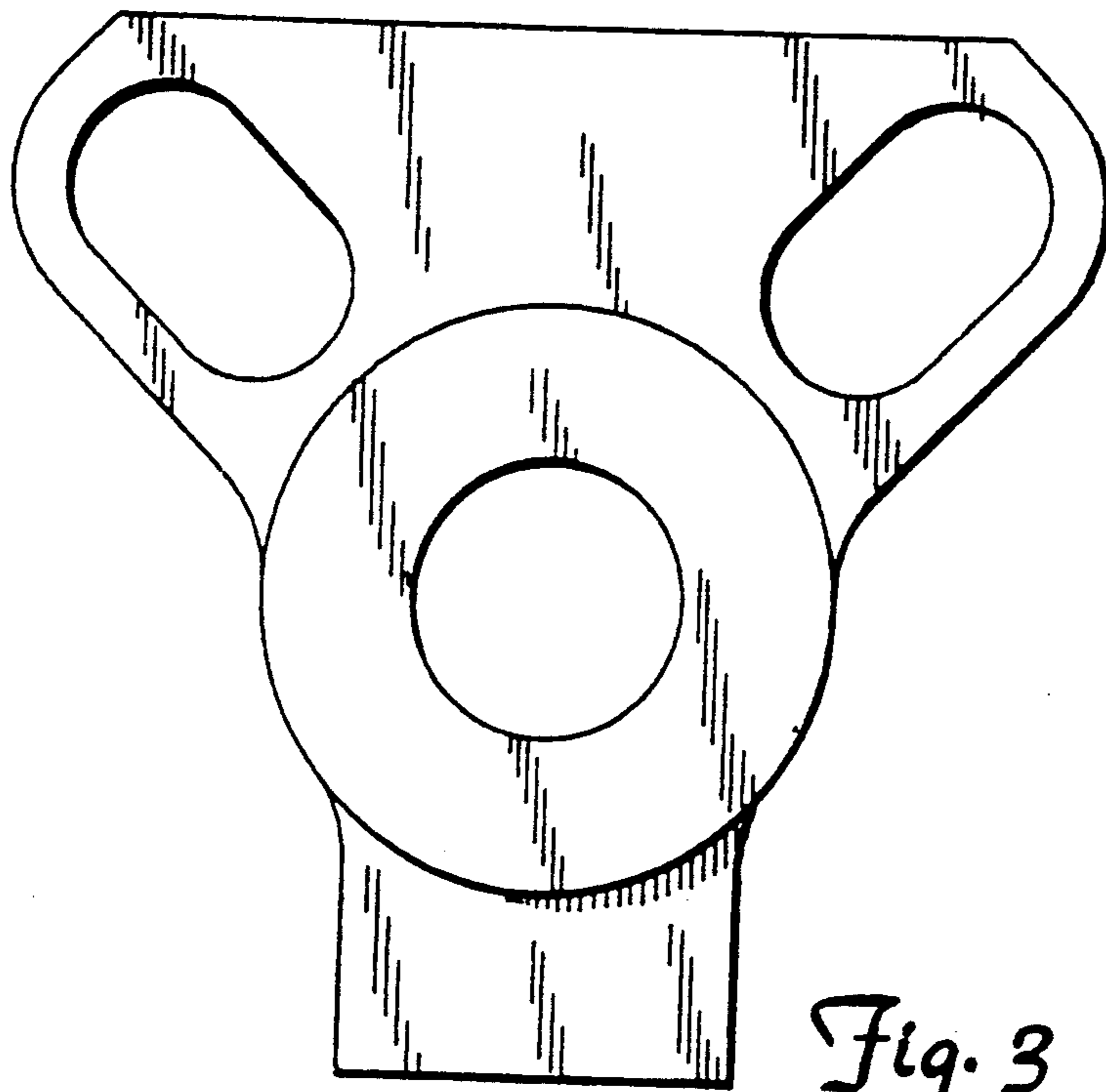


Fig. 3

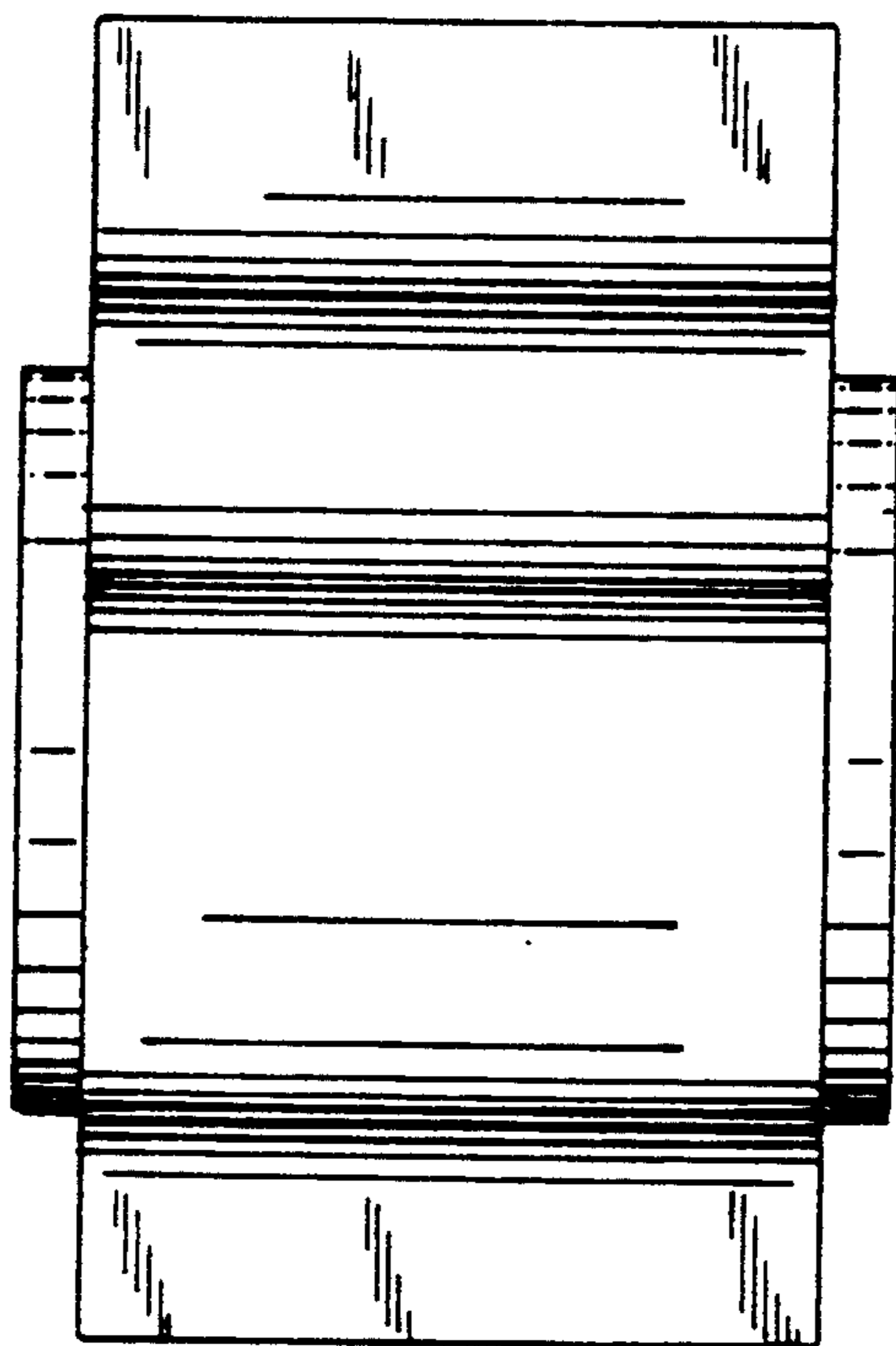


Fig. 4

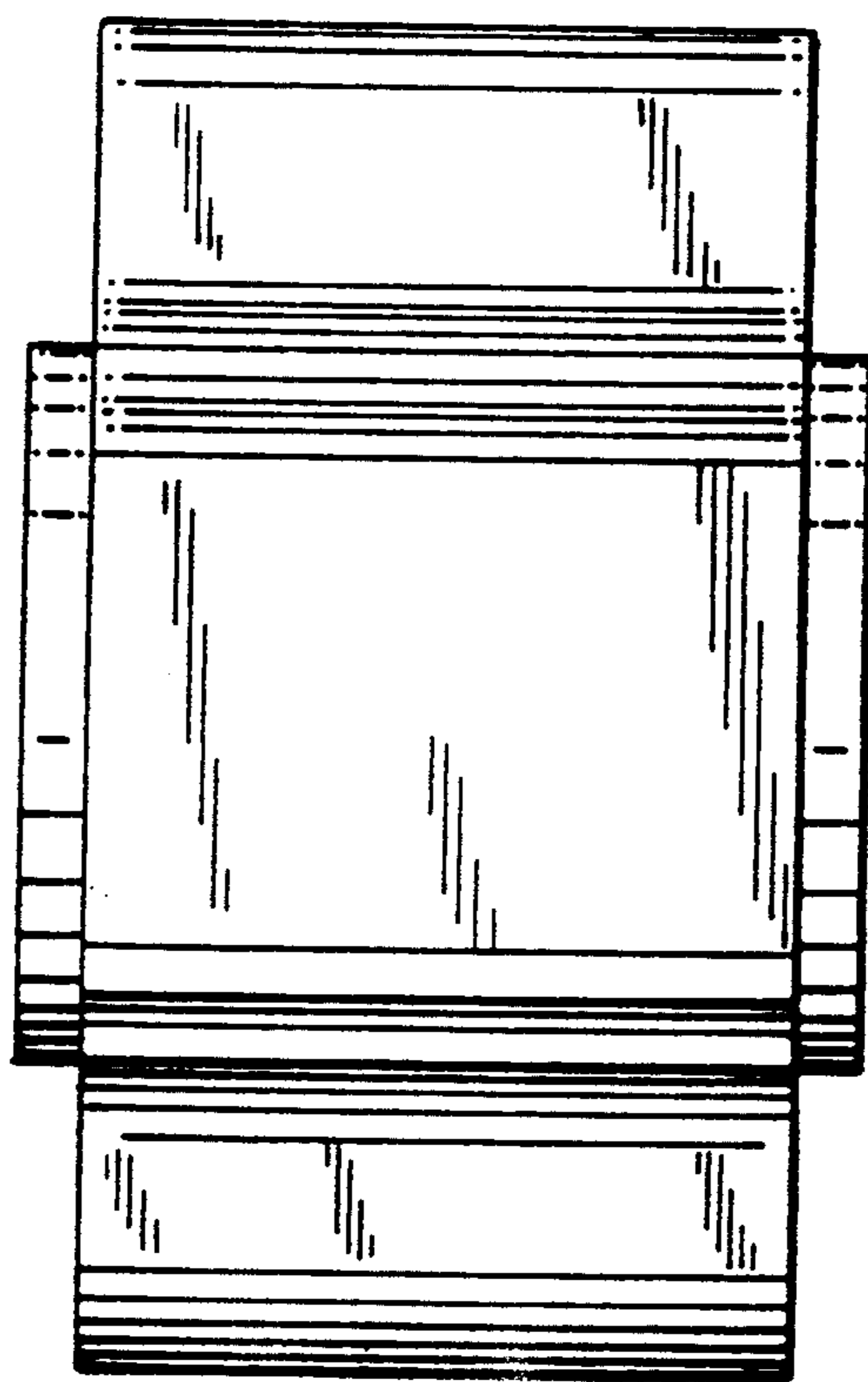


Fig. 5