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(12) **United States Design Patent**  
**Renaud**

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(54) **FLEXIBLE TUBE HAVING A VARIABLE STIFFNESS BELLOWS**

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(\*\*) Term: **14 Years**

(21) Appl. No.: **29/142,253**

(22) Filed: **May 22, 2001**

**Related U.S. Application Data**

(62) Division of application No. 29/125,826, filed on Jun. 30, 2000, now Pat. No. Des. 447,792.

(51) **LOC (7) Cl.** ..... **23-01**

(52) **U.S. Cl.** ..... **D23/266**

(58) **Field of Search** ..... D23/266; 138/118, 138/121, 172, 173, 177

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

1,547,431 A	*	7/1925	Mallory	.....	138/121
3,050,087 A	*	8/1962	Caplan	.....	138/121
D221,078 S	*	7/1971	Seckel et al.	.....	D23/266
3,842,865 A	*	10/1974	Torricelli	.....	138/121
6,056,018 A	*	5/2000	Renaud	.....	138/121

\* cited by examiner

*Primary Examiner*—Robin V. Taylor

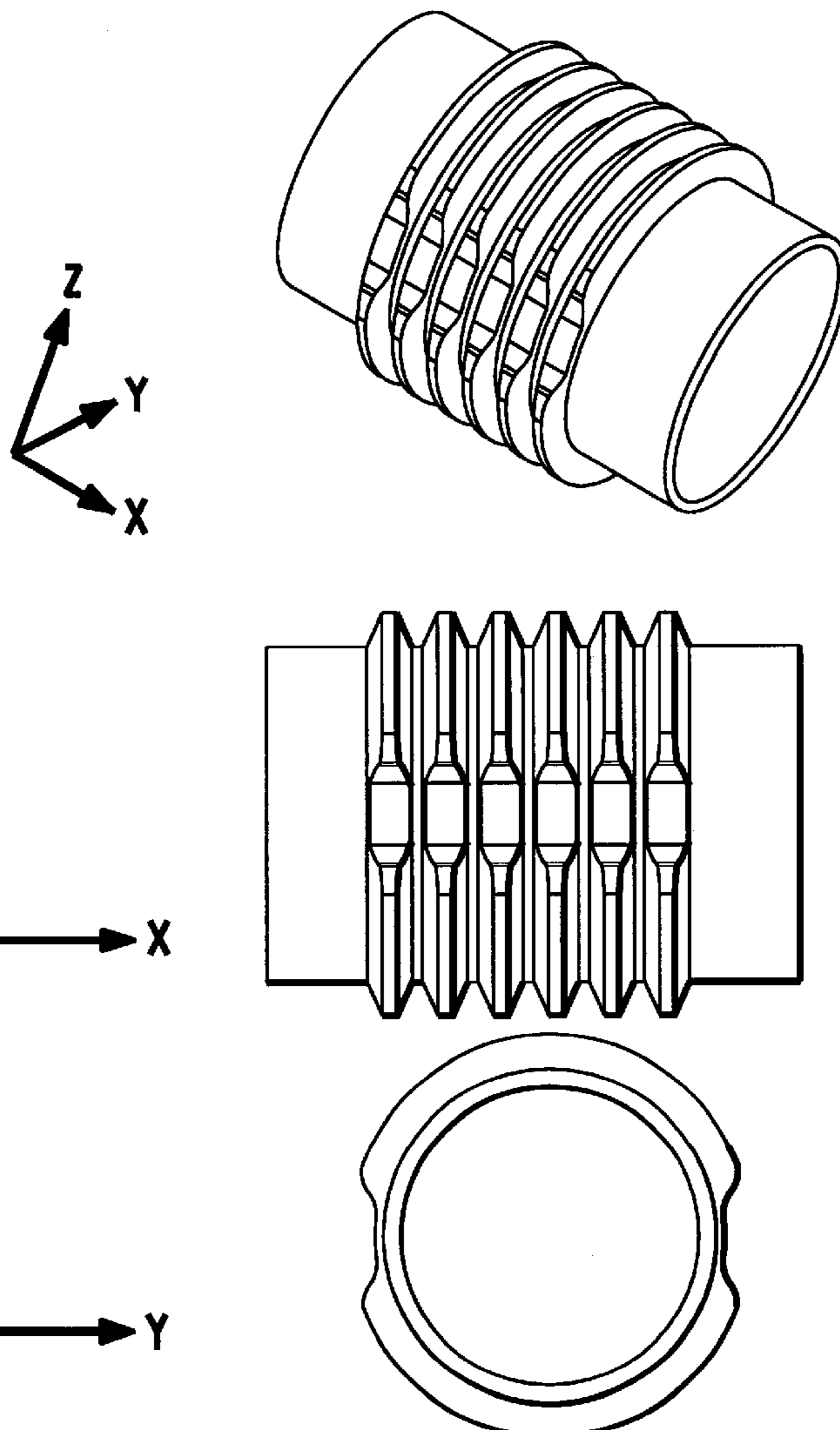
(57) **CLAIM**

The ornamental design for a flexible tube having a variable stiffness bellows, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a flexible tube having a variable stiffness bellows showing my new design; FIG. 2 is a front view thereof, the rear being identical; and, FIG. 3 is an end view.

**1 Claim, 1 Drawing Sheet**



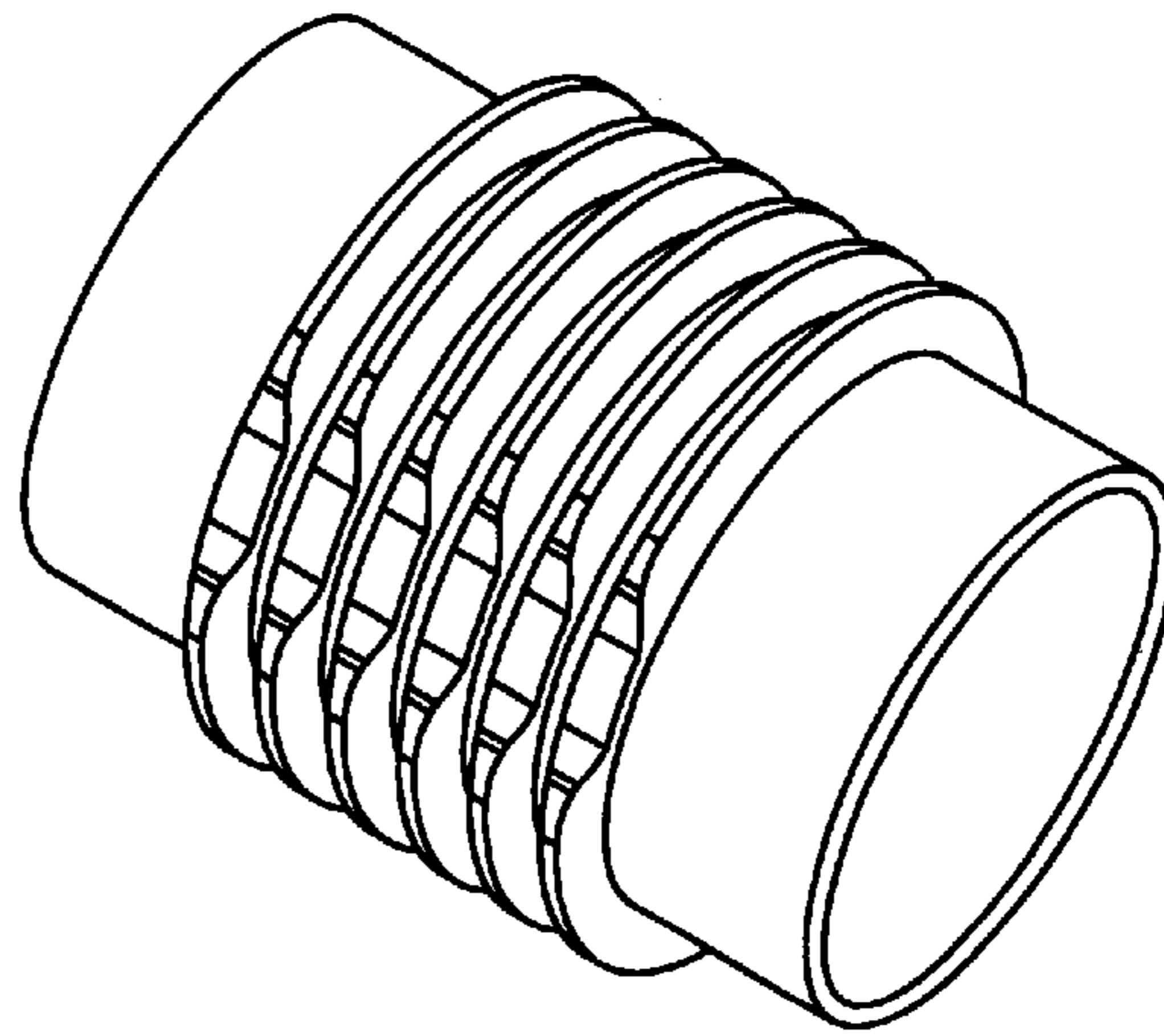
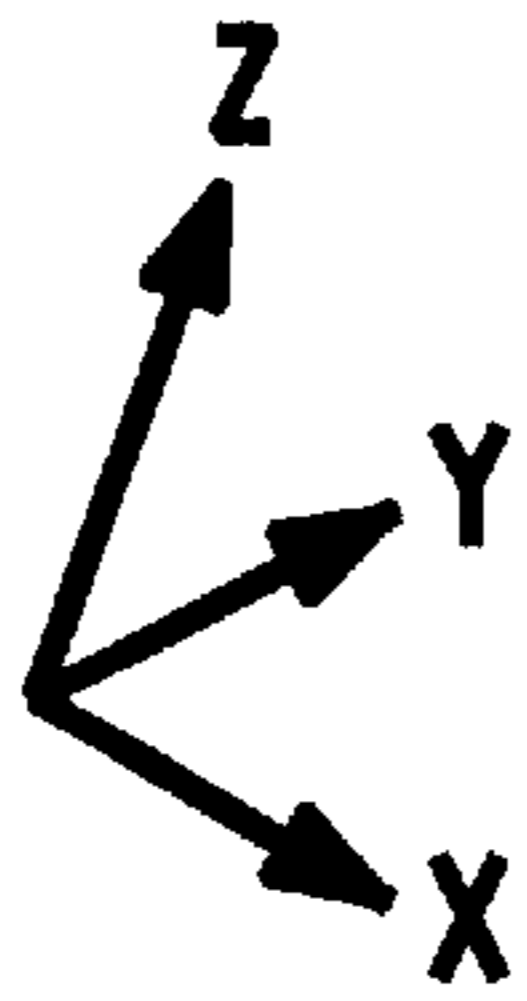


FIG. 1A

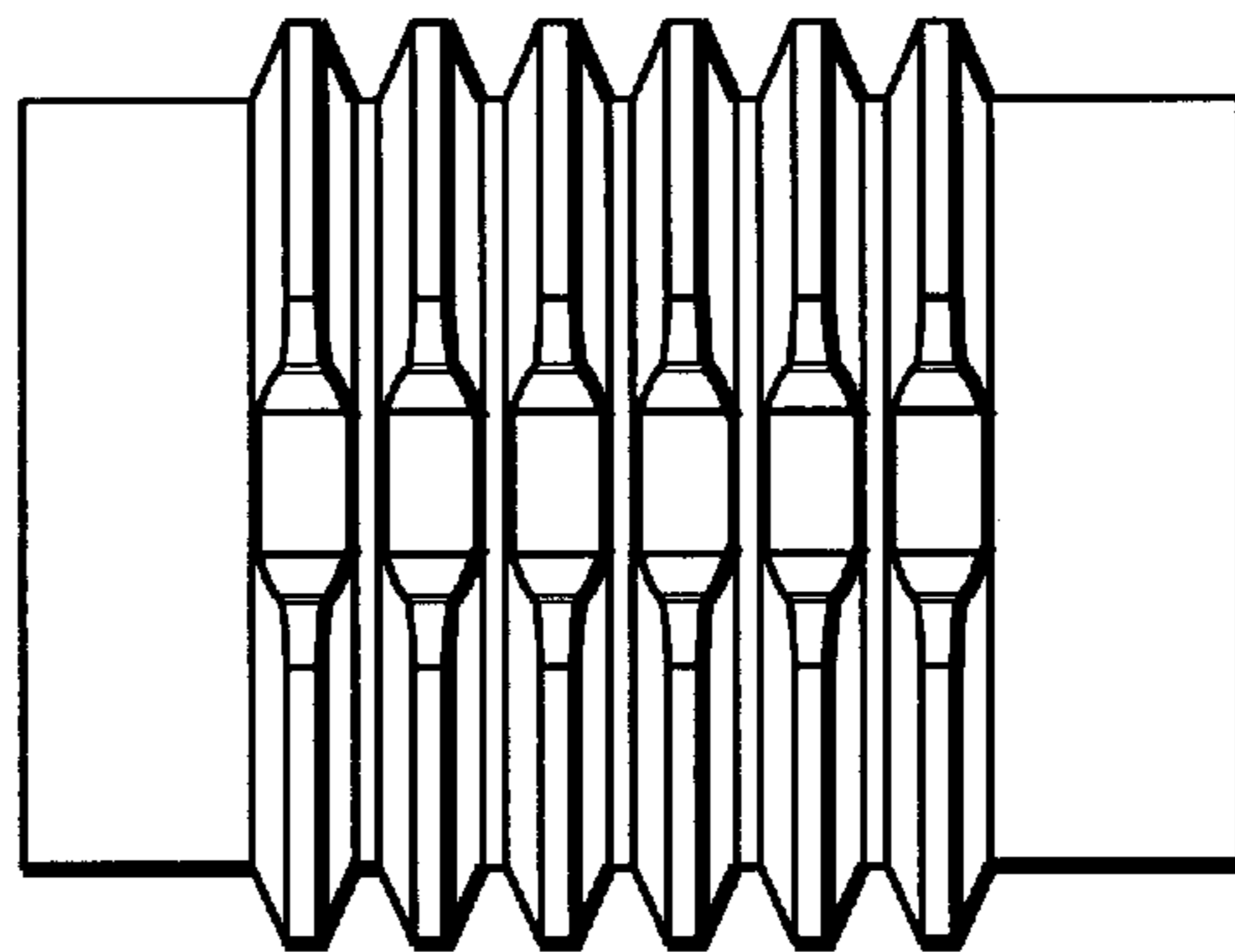
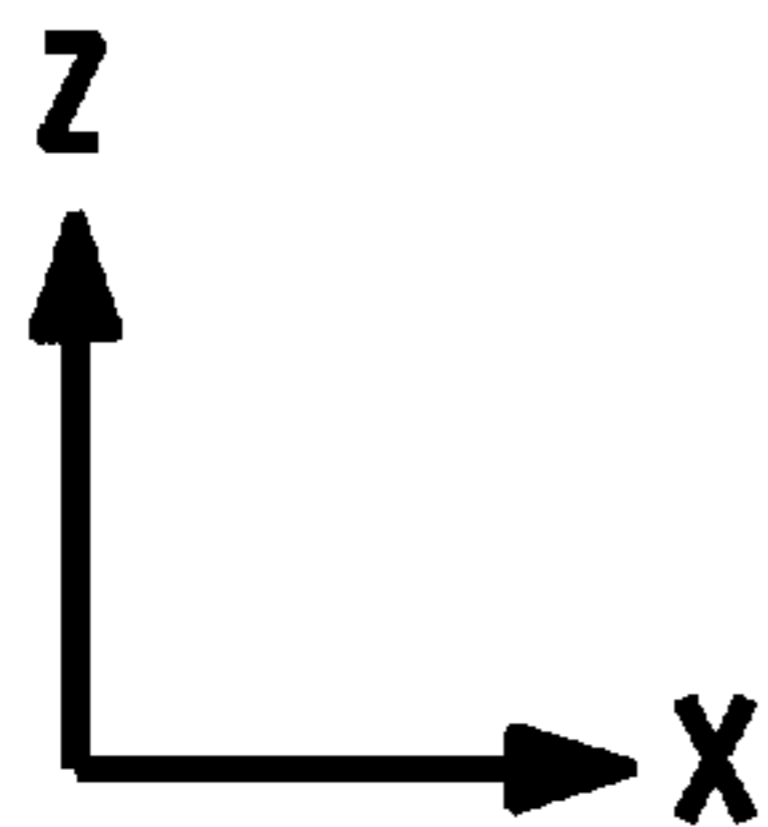


FIG. 1B

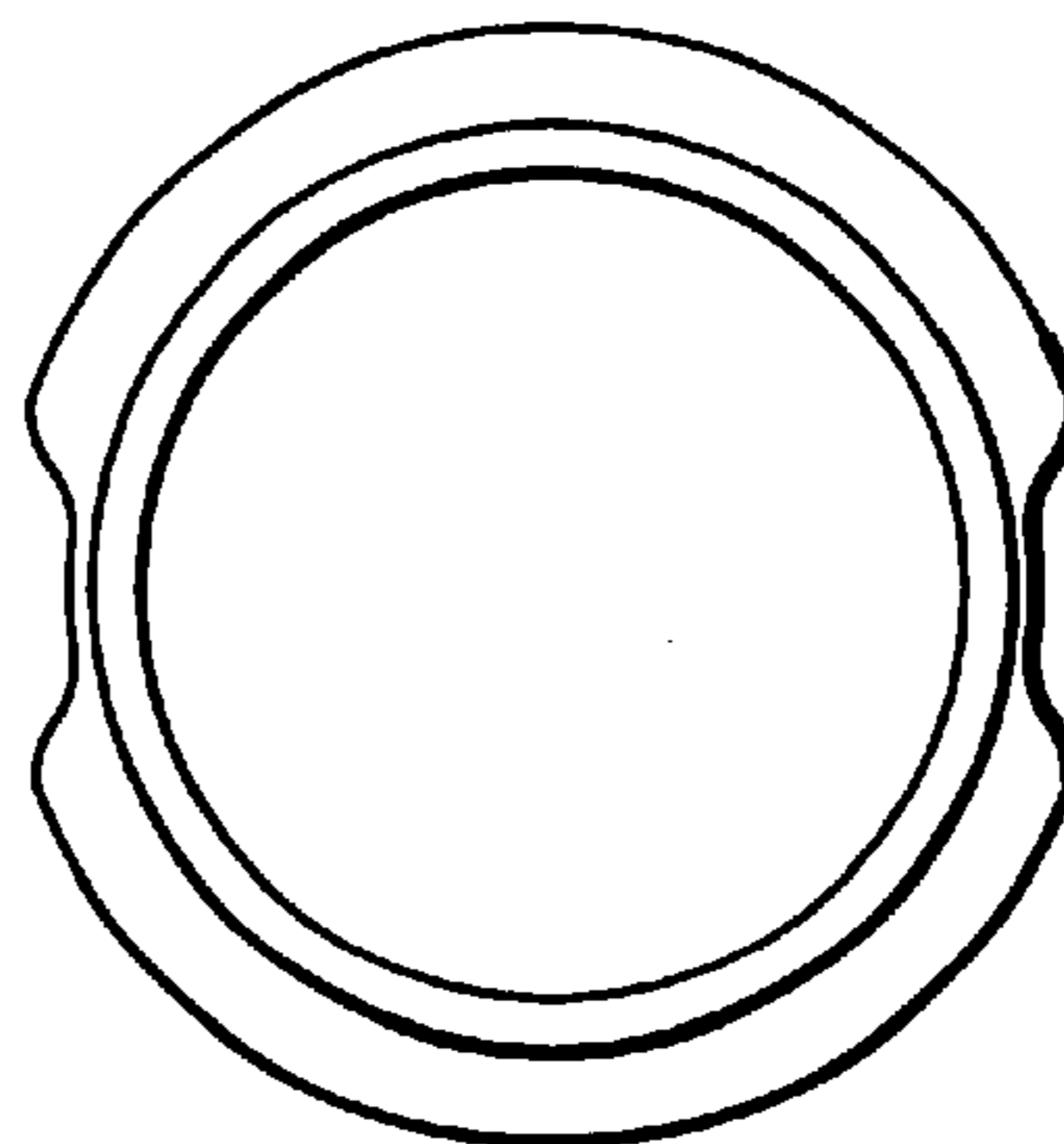
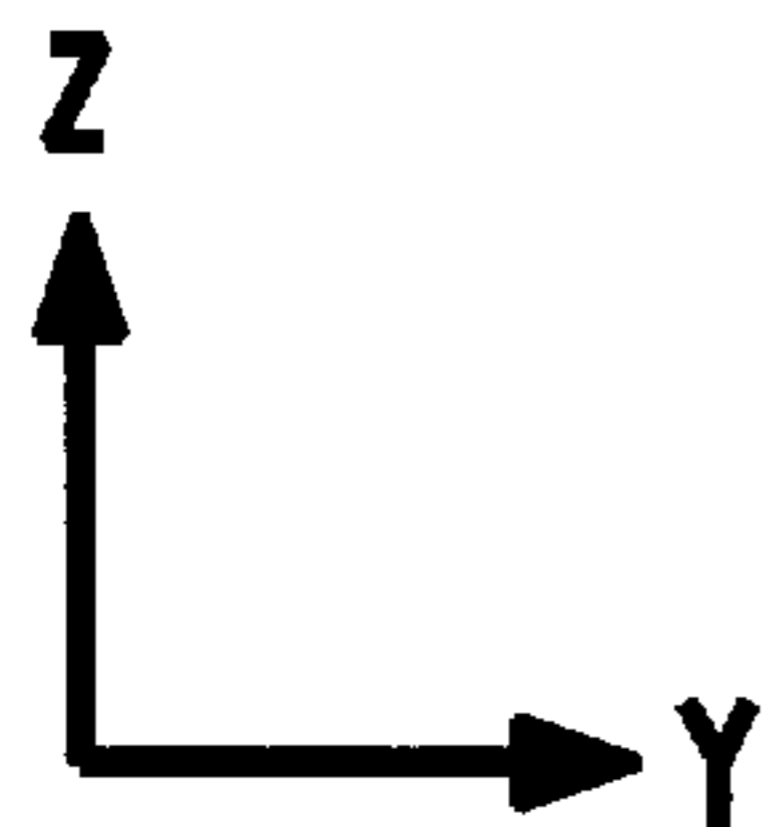


FIG. 1C