

US00D639938S

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

(10) **Patent No.:** **US D639,938 S**

(45) **Date of Patent:** **** Jun. 14, 2011**

(54) **DOUBLE-CONE SPHINCTER INTRODUCER ASSEMBLY AND INTEGRATED VALVE ASSEMBLY**

(75) Inventor: **Ernesto E. Blanco**, Belmont, MA (US)

(73) Assignee: **Erblan Surgical, Inc.**, Belmont, MA (US)

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

(21) Appl. No.: **29/279,150**

(22) Filed: **Apr. 20, 2007**

(51) **LOC (9) Cl.** **24-02**

(52) **U.S. Cl.** **D24/129**

(58) **Field of Classification Search** D24/108, D24/129, 138, 146, 147; 137/846; 604/93.01, 604/167.01, 167.02, 167.03, 167.04, 167.05, 604/167.06, 256, 264; 606/185

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,486,122	A *	12/1984	Arntyr et al.	405/157
4,524,805	A *	6/1985	Hoffman	137/846
5,092,846	A *	3/1992	Nishijima et al.	604/167.04
5,389,080	A *	2/1995	Yoon	604/167.03
5,458,640	A *	10/1995	Gerrone	604/264
5,628,732	A *	5/1997	Antoon et al.	604/167.06
5,662,615	A *	9/1997	Blake, III	604/167.06
5,720,730	A *	2/1998	Blake, III	604/167.02
5,727,593	A *	3/1998	Duer	137/846
5,865,807	A *	2/1999	Blake, III	604/167.06

6,638,250	B2 *	10/2003	Wechler	604/158
6,719,004	B2 *	4/2004	Huber et al.	137/362
D499,484	S *	12/2004	Blanco	D24/129
7,390,316	B2 *	6/2008	McFarlane	604/167.03
7,537,583	B2 *	5/2009	Carrillo et al.	604/167.01
7,632,250	B2 *	12/2009	Smith et al.	604/167.06
2004/0230160	A1 *	11/2004	Blanco	604/167.06
2008/0009798	A1 *	1/2008	Blanco	604/167.03

* cited by examiner

Primary Examiner — Karen E Eldridge Powers

(74) *Attorney, Agent, or Firm* — Oblon, Spivak, McClelland, Maier & Neustadt, L.L.P.

(57) **CLAIM**

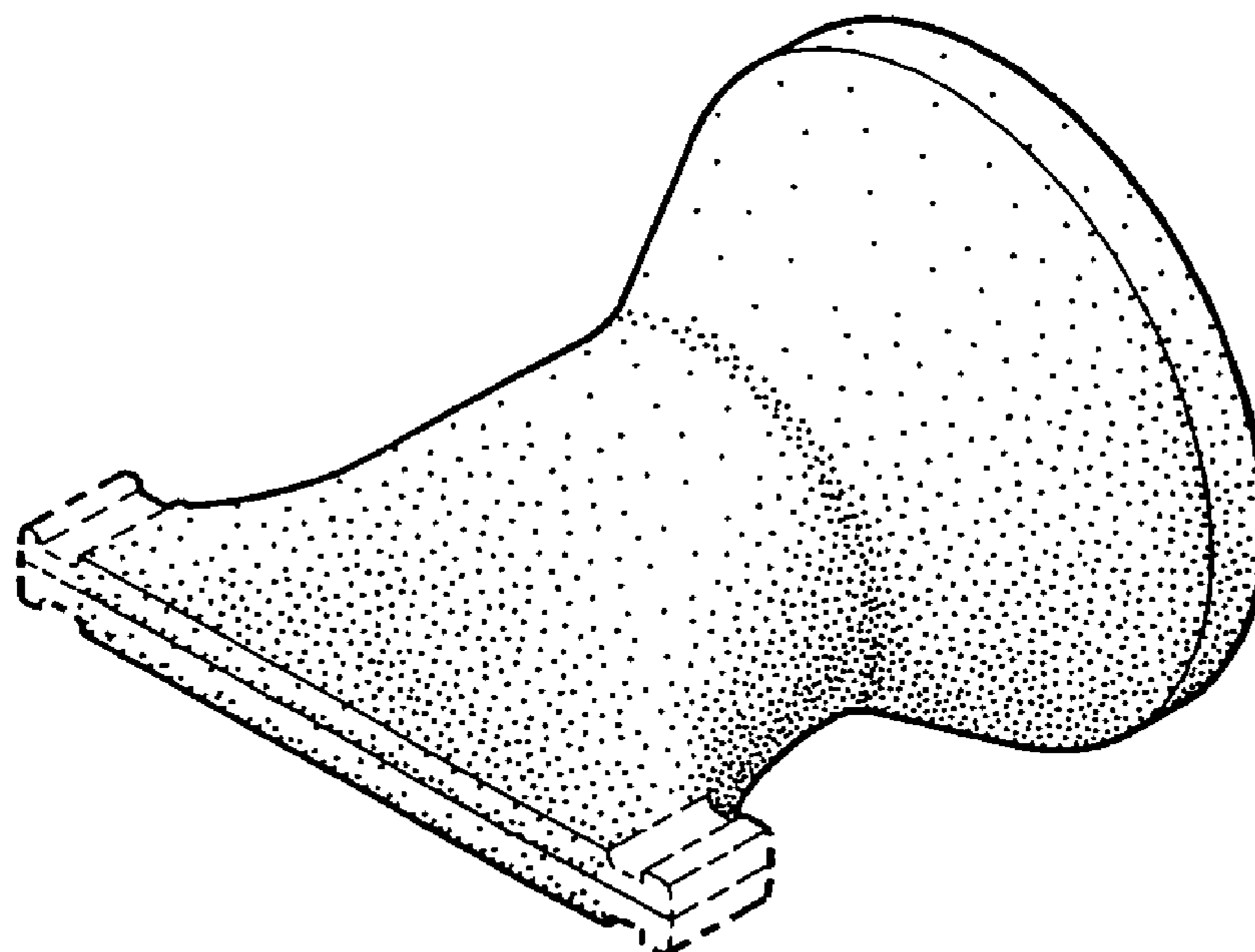
The ornamental design for a double-cone sphincter introducer assembly and integrated valve assembly, as shown and described.

DESCRIPTION

FIG. 1 is a top, front and right side perspective view of a double-cone sphincter introducer assembly and integrated valve assembly showing my new design; FIG. 2 is a front elevational view thereof; FIG. 3 is a rear elevational view thereof; FIG. 4 is a right side elevational view thereof, the left side elevational view being a mirror image of the side view shown; FIG. 5 is a top plan view thereof; and, FIG. 6 is a bottom plan view thereof.

The broken lines shown in the drawings illustrate those features of the article to which the design is applied that form no part of the claim. The stippling shown in the drawings represent shading of the surfaces shown.

1 Claim, 4 Drawing Sheets



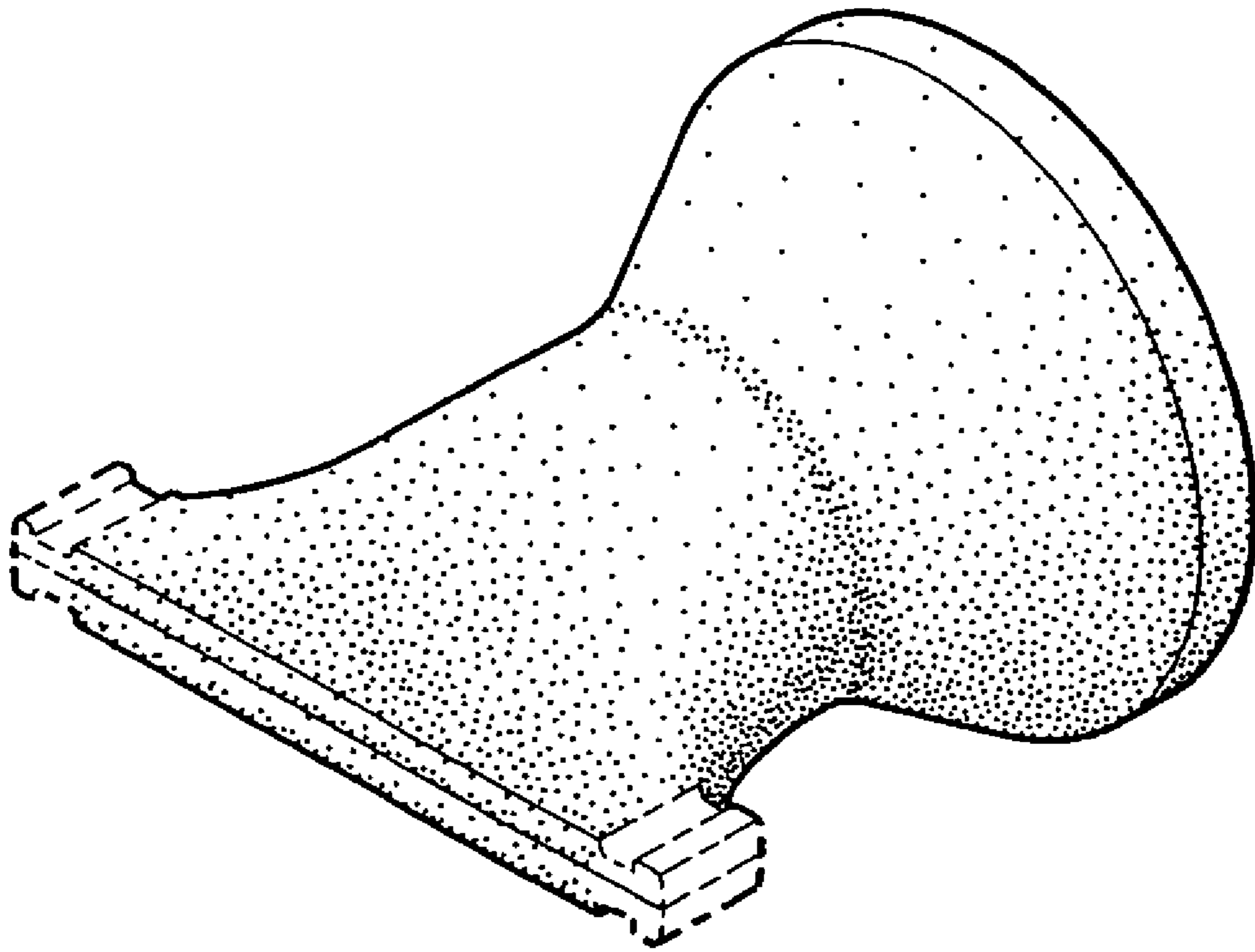


Fig. 1

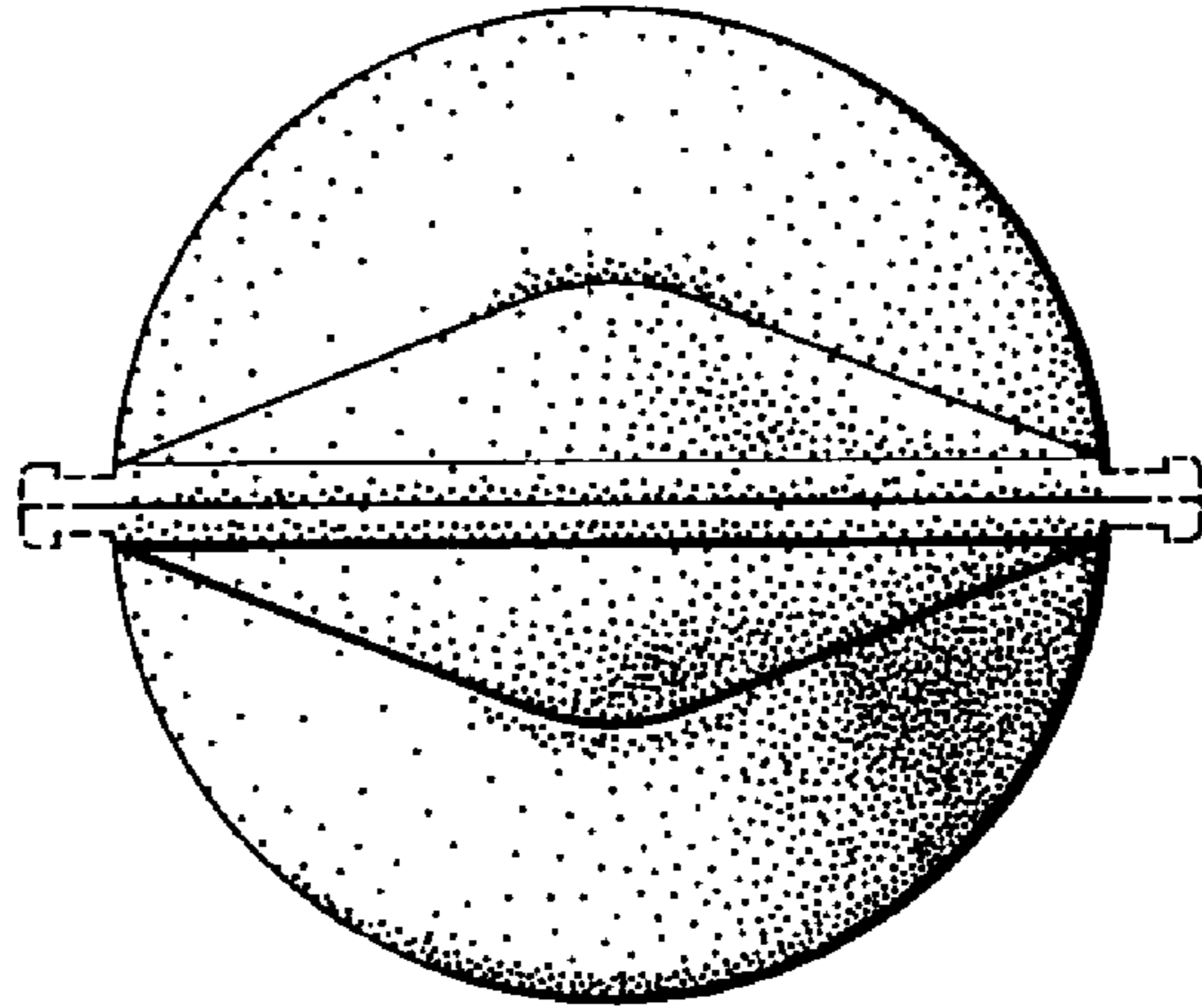


Fig. 2

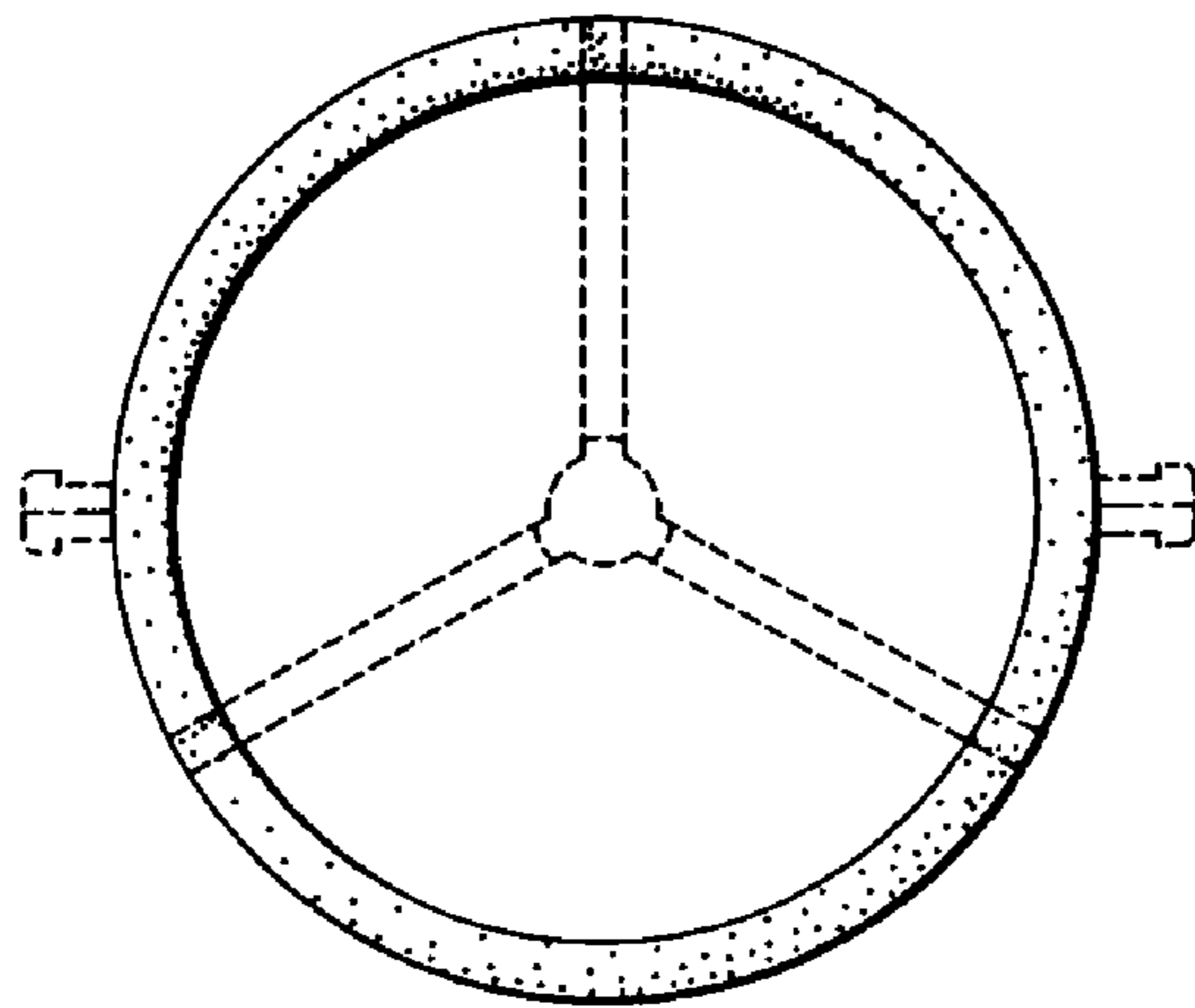


Fig. 3

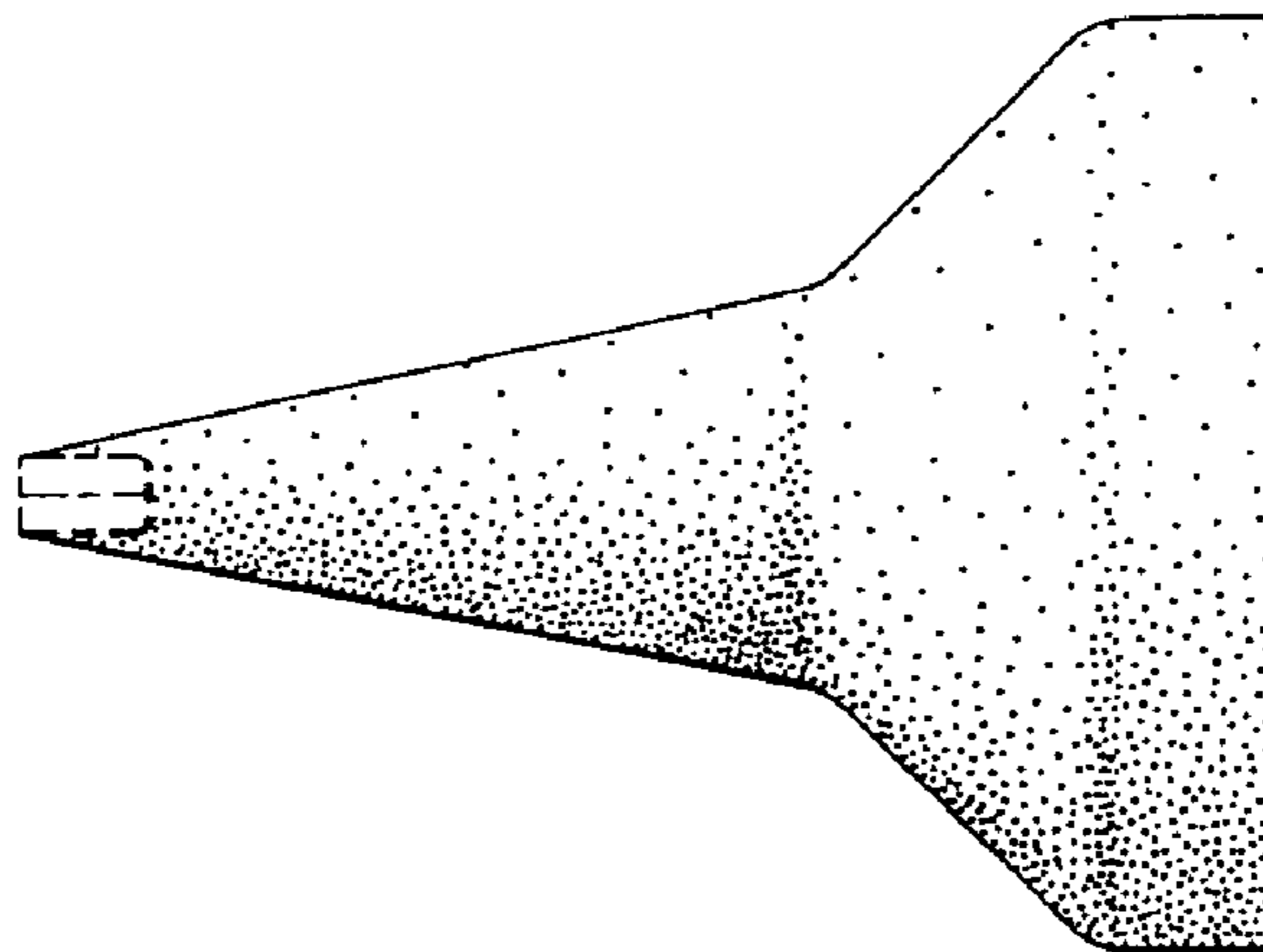


Fig. 4

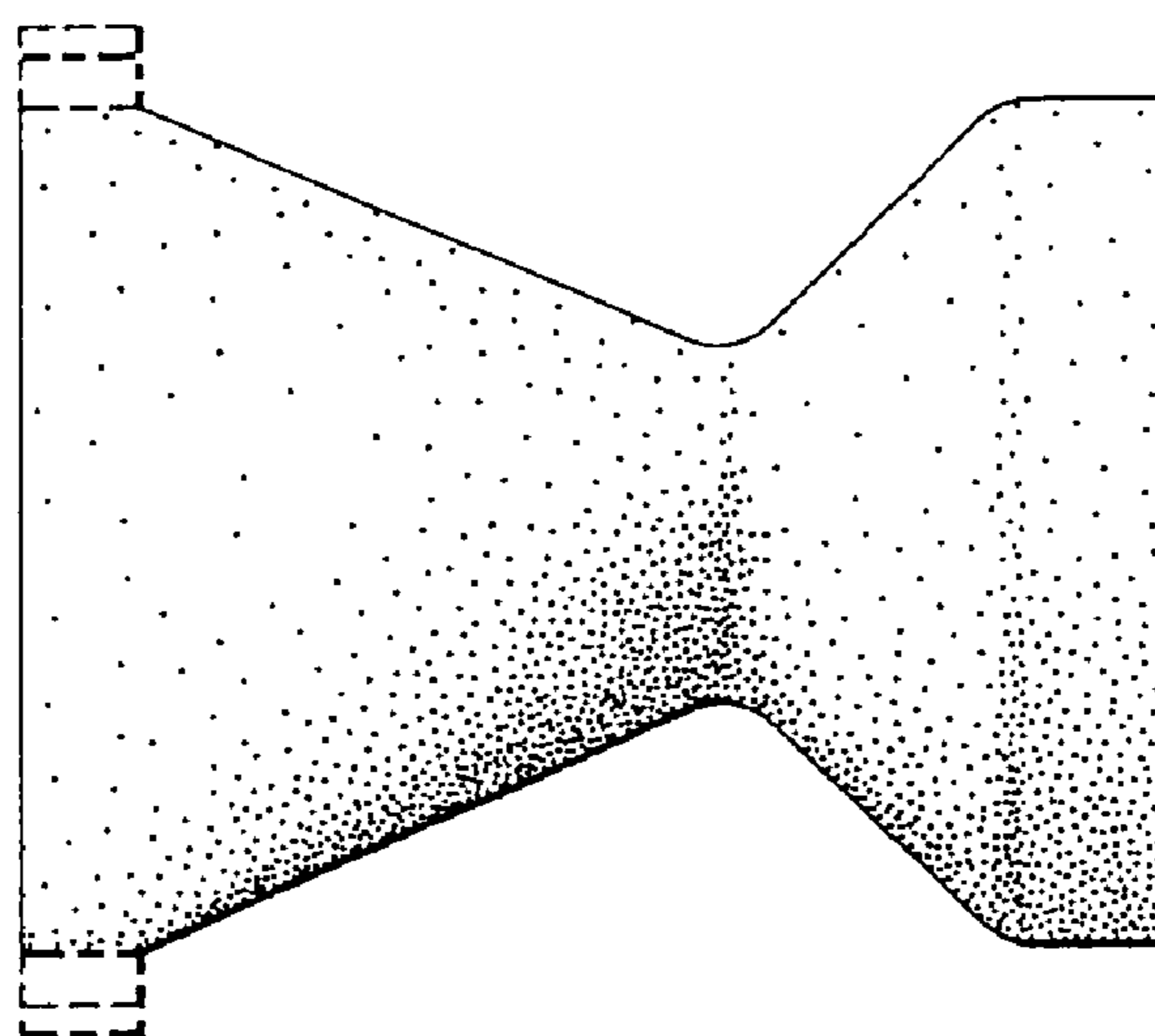


Fig. 5

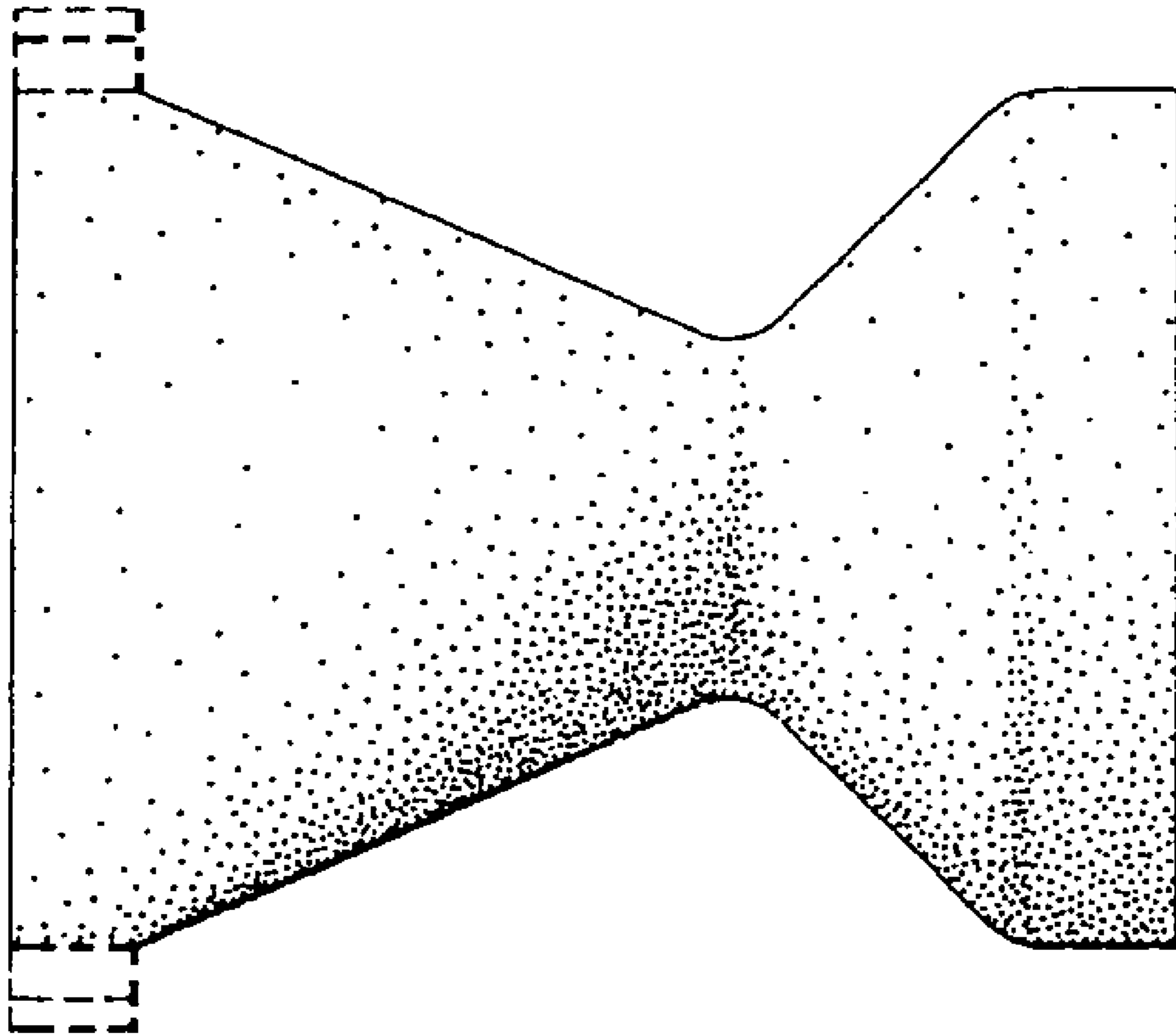


Fig. 6