



US00D415835S

United States Patent [19] Malewicz

[11] Patent Number: Des. 415,835

[45] Date of Patent: ** Oct. 26, 1999

[54] VAGINAL ELECTRODE

[75] Inventor: Andrzej M. Malewicz, Minneapolis, Minn.

[73] Assignee: Empi Corp., St. Paul, Minn.

[**] Term: 14 Years

[21] Appl. No.: 29/072,753

[22] Filed: Jun. 24, 1997

[51] LOC (6) Cl. 24-01

[52] U.S. Cl. D24/187

[58] Field of Search D24/187; 600/11, 600/29; 607/138, 115

2622458 5/1989 France .
88 07 820 9/1988 Germany .
4022074 A1 2/1992 Germany .
WO 84/01515 4/1984 WIPO .

OTHER PUBLICATIONS

The Shape of Anal Electrode, Alexander Perelman, M.D., Ph.D. Sep. 14, 1993.

Electrical Treatment of Incontinence, Brit. J. Surg. 1967, vol. 54, No. 9, Sep.

The Pressure Exerted by the External Sphincter of the Urethra When Its Motor Nerve Fibres Are Stimulated Electrically, British Journal of Urology, (1974), 46, 453-462.

Effects of External and Direct Pudendal Nerve Maximal Electrical Stimulation in the Treatment of the Uninhibits Overactive Bladder, British Journal of Urology (1989), 64, 374-380.

Management of Urinary Incontinence with Electronic Stimulation: Observations and Results, The Journal of Urology, vol. 116, Dec., 1976.

The Treatment of Femal Urinary Incontinence by Functional Electrical Stimulation, Urogynecology and Urodynamics Ed. by D.R. Ostergard and A.E. Ben, 1991.

Treatment of Urinary Incontinency by External Stimulating Devices, Urol. Int. (1974), 29, 450-457.

Primary Examiner—Stella Reid

Attorney, Agent, or Firm—Kinney & Lange, P.A.

[57] CLAIM

The ornamental design for a vaginal electrode, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a vaginal electrode, showing my new design;

FIG. 2 is a side elevational view, with all other sides being identical thereto;

FIG. 3 is a bottom plan view; and,

FIG. 4 is a top plan view.

The broken line showing in FIGS. 1 and 2 is for illustrative purposes only and forms no part of the claimed design.

1 Claim, 1 Drawing Sheet

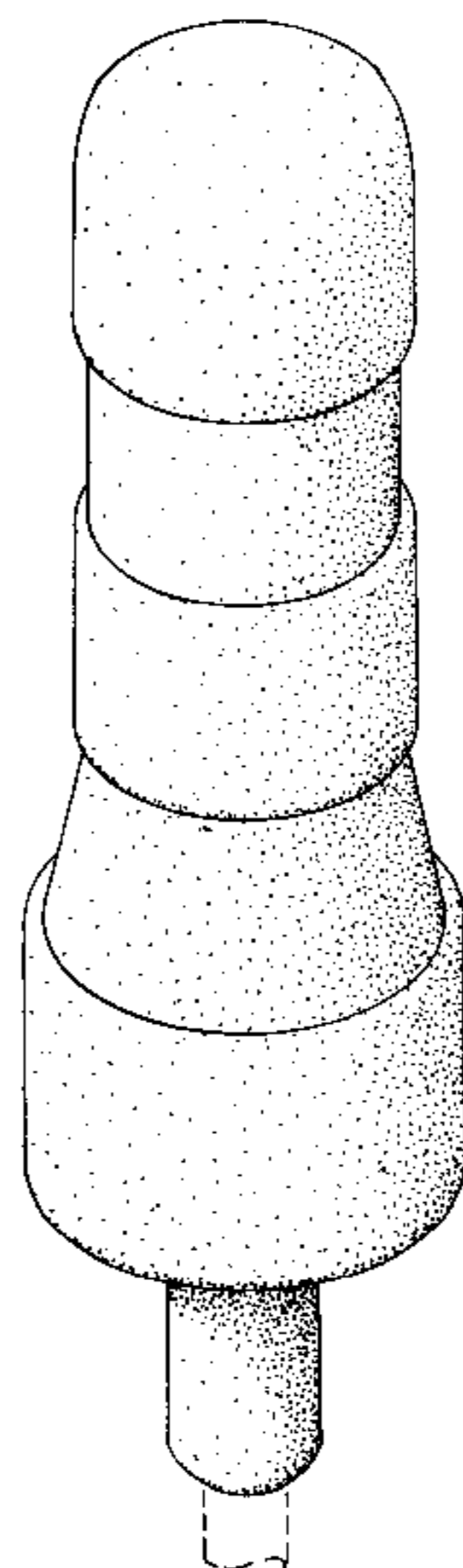
[56] References Cited

U.S. PATENT DOCUMENTS

D. 348,934	7/1994	Johnson et al.	D24/187
D. 371,200	6/1996	Maurer et al.	D24/187
1,704,000	3/1929	Herwig et al.	607/138
2,085,644	6/1937	Ferciot	607/138
2,126,257	9/1938	Hird .	
3,650,275	3/1972	Von Der Mozel	607/138
3,800,800	4/1974	Garbe et al.	128/408
3,933,147	1/1976	Du Vall et al.	128/2 S
4,106,511	8/1978	Erlandsson	128/407
4,785,828	11/1988	Maurer	128/788
4,817,611	4/1989	Arzbaecher et al.	128/642
4,873,996	10/1989	Maurer	128/844
4,881,526	11/1989	Johnson et al.	128/24.5
4,909,263	3/1990	Norris	128/788
5,010,895	4/1991	Maurer et al.	607/138
5,199,443	4/1993	Maurer et al.	128/138
5,314,465	5/1994	Maurer et al.	607/138
5,370,671	12/1994	Maurer et al.	607/138
5,376,206	12/1994	Maurer et al.	24/883
5,385,577	1/1995	Maurer et al.	607/138
5,464,448	11/1995	Malewicz	607/138

FOREIGN PATENT DOCUMENTS

0178514	4/1986	European Pat. Off. .
0 219 410 A1	4/1987	European Pat. Off. .
2547203	6/1983	France .



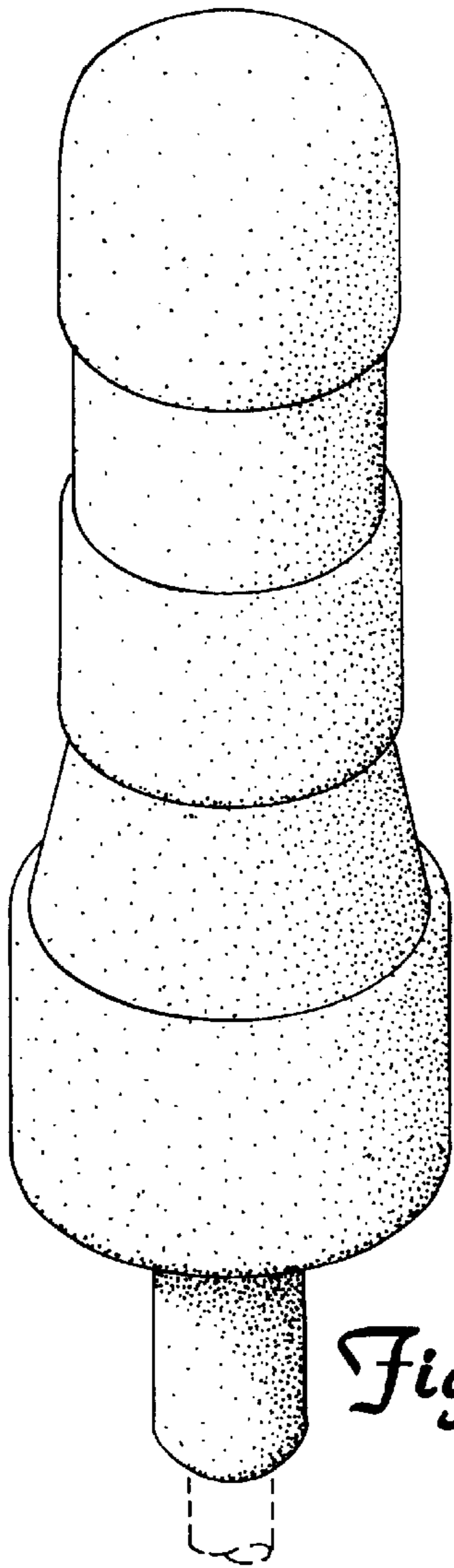


Fig. 1

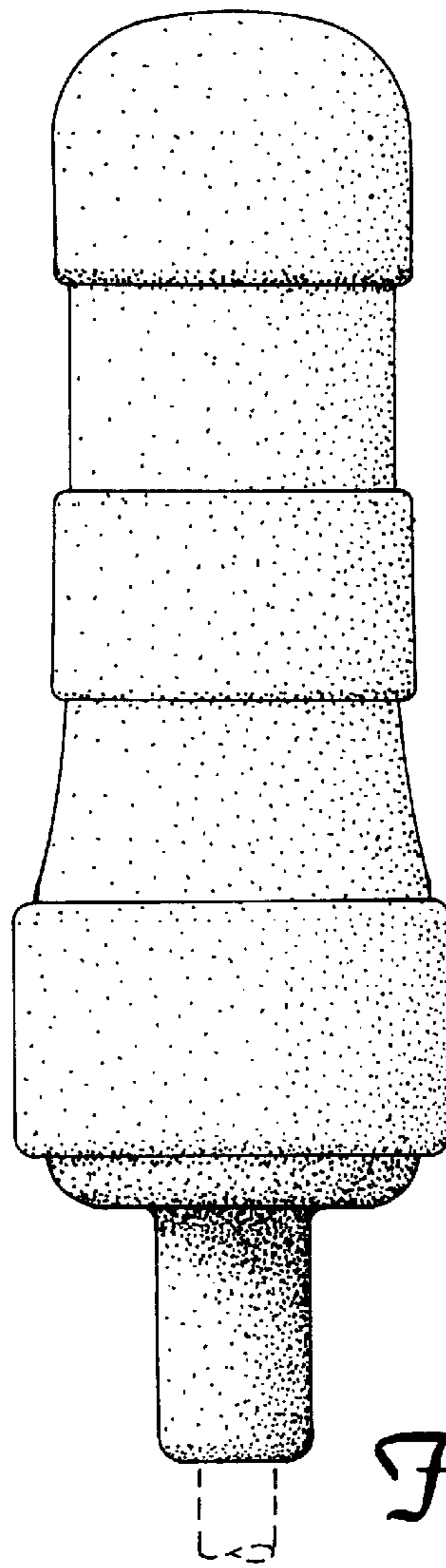


Fig. 2

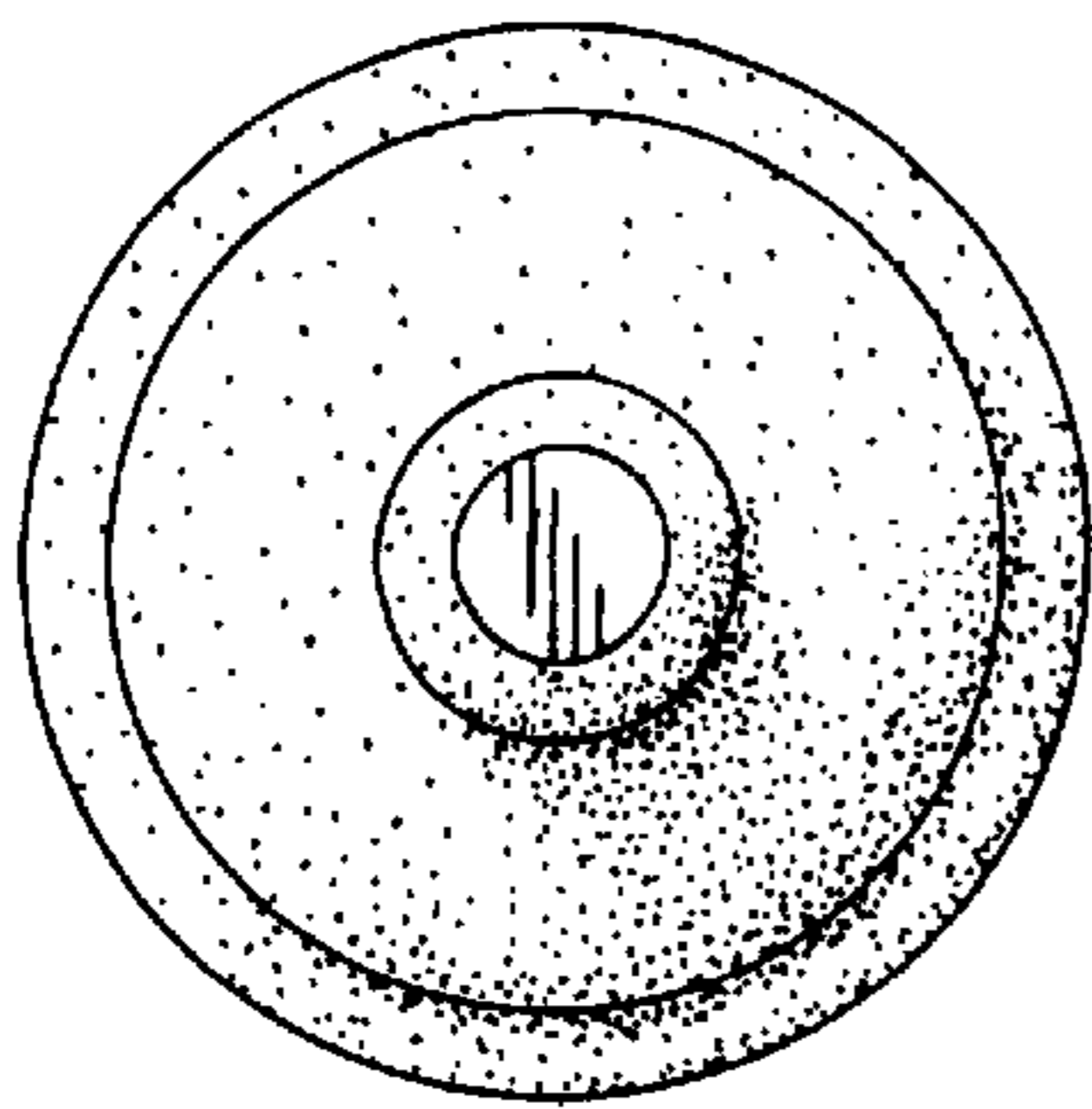


Fig. 3

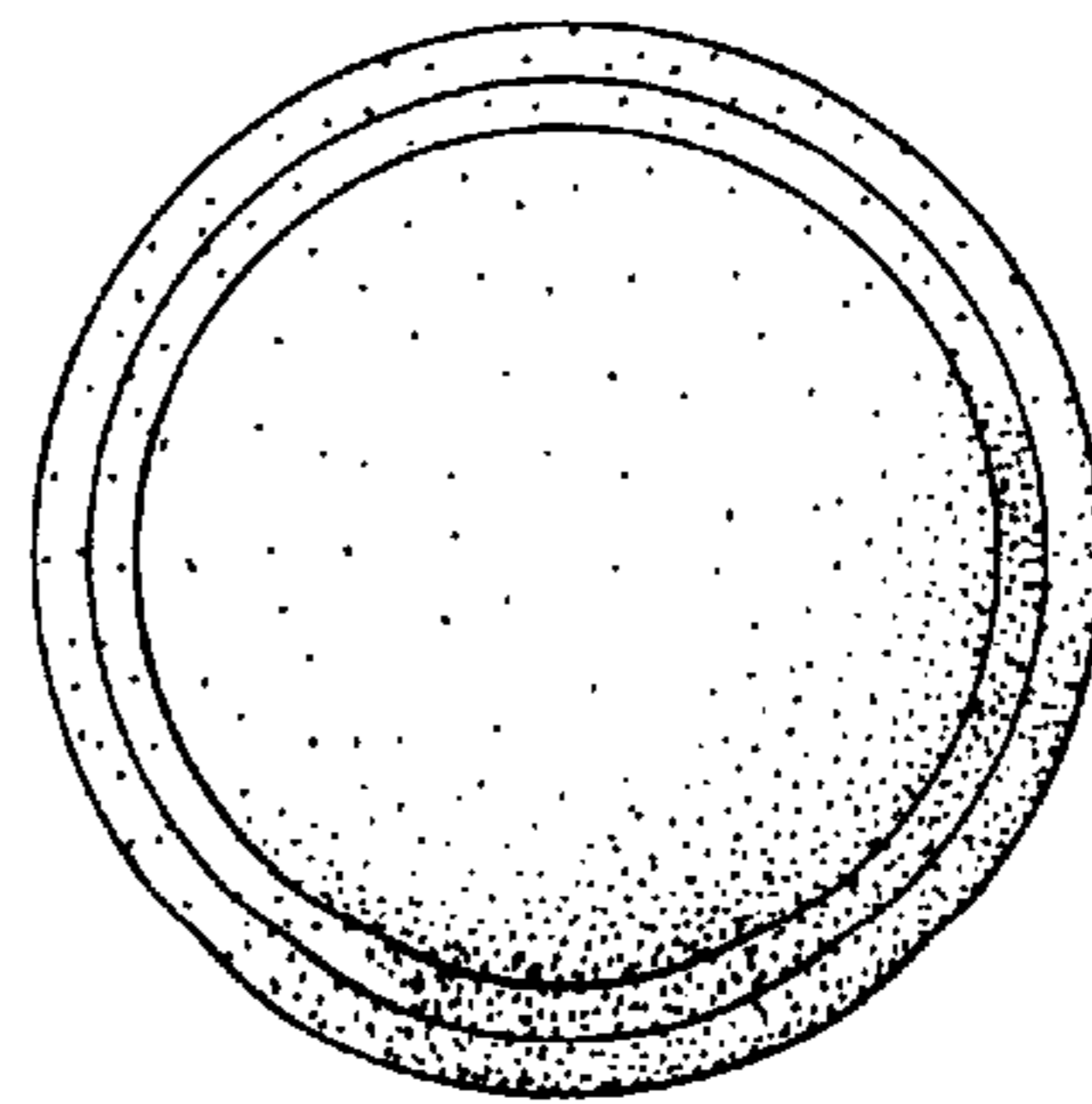


Fig. 4