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Weisser et al.

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(54) FAN HUB

(71) Applicant: ebm-papst St. Georgen GmbH & Co.
KG, St. Georgen (DE)

(72) Inventors: Norbert Weisser,
Niedereschach-Kappel (DE); Sergej
Helbling, Villingen-Schwenningen
(DE); Stefan Mayer, Brigachtal (DE);
Fabian Moser, St. Georgen (DE);
Jonas Woelki, Bretnau (DE)

(73) Assignee: ebm-papst St. Georgen GmbH & Co.
KG, St. Georgen (DE)

D166,012	S	*	2/1952	Woodward	.....	D23/414
D330,883	S	*	11/1992	Harr	.....	D12/209
D366,935	S	*	2/1996	Arthun	.....	D23/413
D367,838	S	*	3/1996	Snook	.....	D12/207
D370,629	S	*	6/1996	Lynch	.....	D9/439
D398,690	S	*	9/1998	Lutz	.....	D21/763
D418,847	S	*	1/2000	Ichihara	.....	D15/143
D497,536	S	*	10/2004	Fujiwara	.....	D8/354
D498,134	S	*	11/2004	Fujiwara	.....	D8/354
D616,966	S	*	6/2010	Angell	.....	D23/262
D627,216	S	*	11/2010	Fulginiti	.....	D8/499
D627,490	S	*	11/2010	Janish	.....	D8/382
D695,591	S	*	12/2013	Ackerman		D8/349
D699,545	S	*	2/2014	Ackerman		D8/349

(Continued)

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USPC D23/411

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D23/362, 370, 371, 385, 377, 379, 380,
D23/386, 411, 413, 414, 499
CPC ... A63B 2069/165; B60B 7/061; B60B 7/066;
B64C 11/02; B64C 27/46; B60L 2220/44;
F03D 1/0691; F04D 29/329; F04D 19/00;
F04D 19/002; F04D 25/08; F04D 25/166;
F16D 13/644; F16D 2065/1384; Y10T
29/49487; Y10T 29/49533; Y10T
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See application file for complete search history.

(56) References Cited

U.S. PATENT DOCUMENTS

1,206,889 A * 12/1916 Murray B60B 27/00
301/105.1

2,269,799 A * 1/1942 Upson F16D 3/76
464/182

FOREIGN PATENT DOCUMENTS

CN 307545053 * 9/2022

Primary Examiner — Eric L Goodman

Assistant Examiner — Matthew Bird

(74) Attorney, Agent, or Firm — Harness, Dickey &
Pierce, P.L.C.

(57)

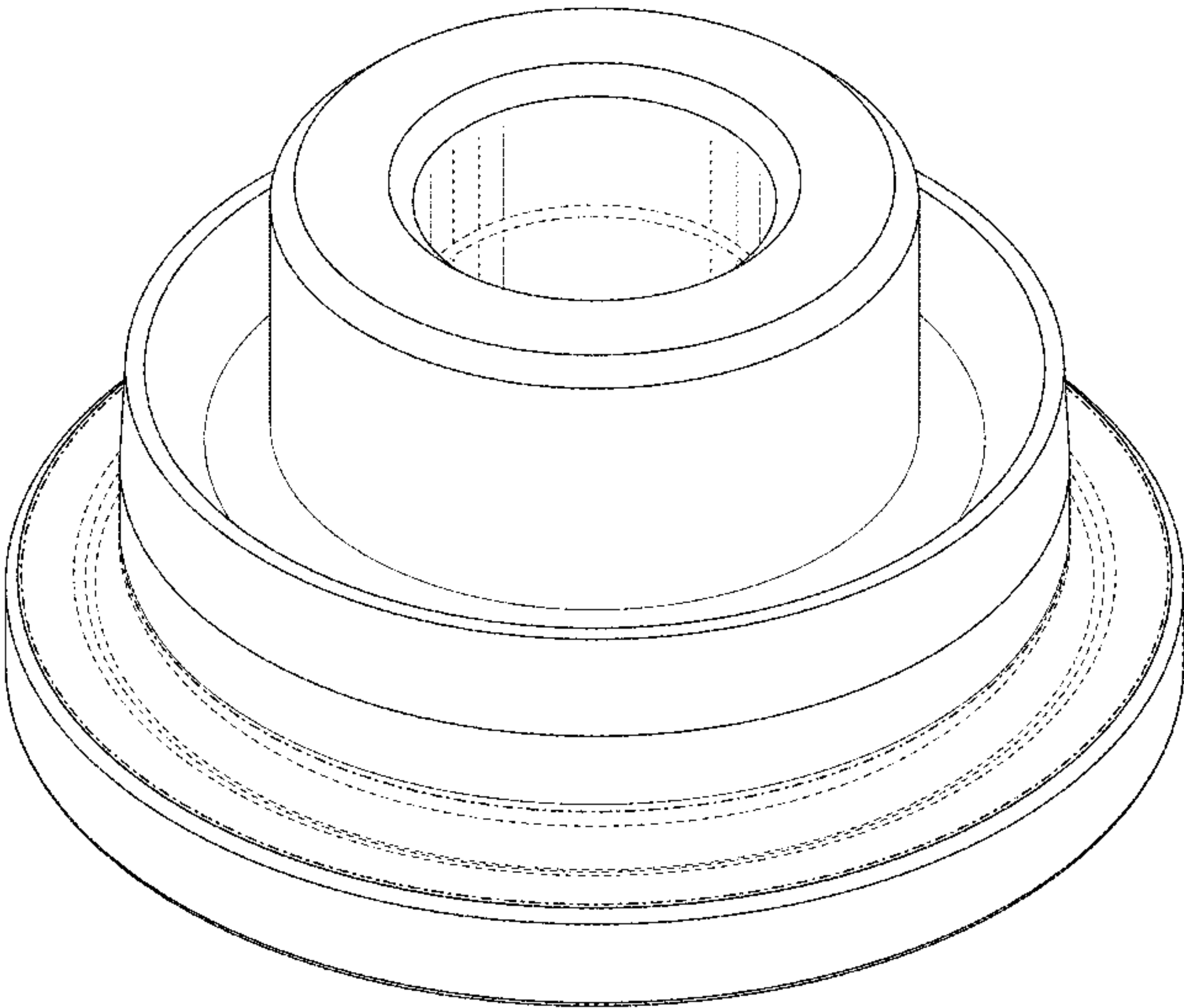
CLAIM

The ornamental design for a fan hub, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a fan hub in accordance with the design.
FIG. 2 is a top plan view of the fan hub of FIG. 1.
FIG. 3 is a side elevation view of the fan hub of FIG. 1; and,
FIG. 4 is a bottom plan view of the fan hub of FIG. 1.
The broken lines shown in the drawings illustrate portions of the article and form no part of the claimed design.
The short-dash/long-dash broken lines illustrate boundary lines and form no part of the claimed design.

1 Claim, 4 Drawing Sheets



(56) **References Cited**

U.S. PATENT DOCUMENTS

D722,621	S	*	2/2015	Gray	.....	D15/28
D733,262	S	*	6/2015	Kang	.....	D23/261
D748,228	S	*	1/2016	Bayyouk	.....	D23/269
D766,702	S	*	9/2016	Hope	.....	D8/354
D780,558	S	*	3/2017	Mouthaan	.....	D8/354
D799,938	S	*	10/2017	Lowitz	.....	D8/382
D799,939	S	*	10/2017	Lowitz	.....	D8/382
D812,725	S	*	3/2018	Sato	.....	D23/262
D945,862	S	*	3/2022	McClure	.....	F16B 19/1081
						D8/354
2013/0309086	A1	*	11/2013	Chou	.....	F04D 25/0613
						415/229
2017/0110933	A1	*	4/2017	Michel	.....	H02K 5/203
2018/0080514	A1	*	3/2018	Chung	.....	F16D 65/125
2018/0301949	A1	*	10/2018	Zhong	.....	H02K 15/02

* cited by examiner

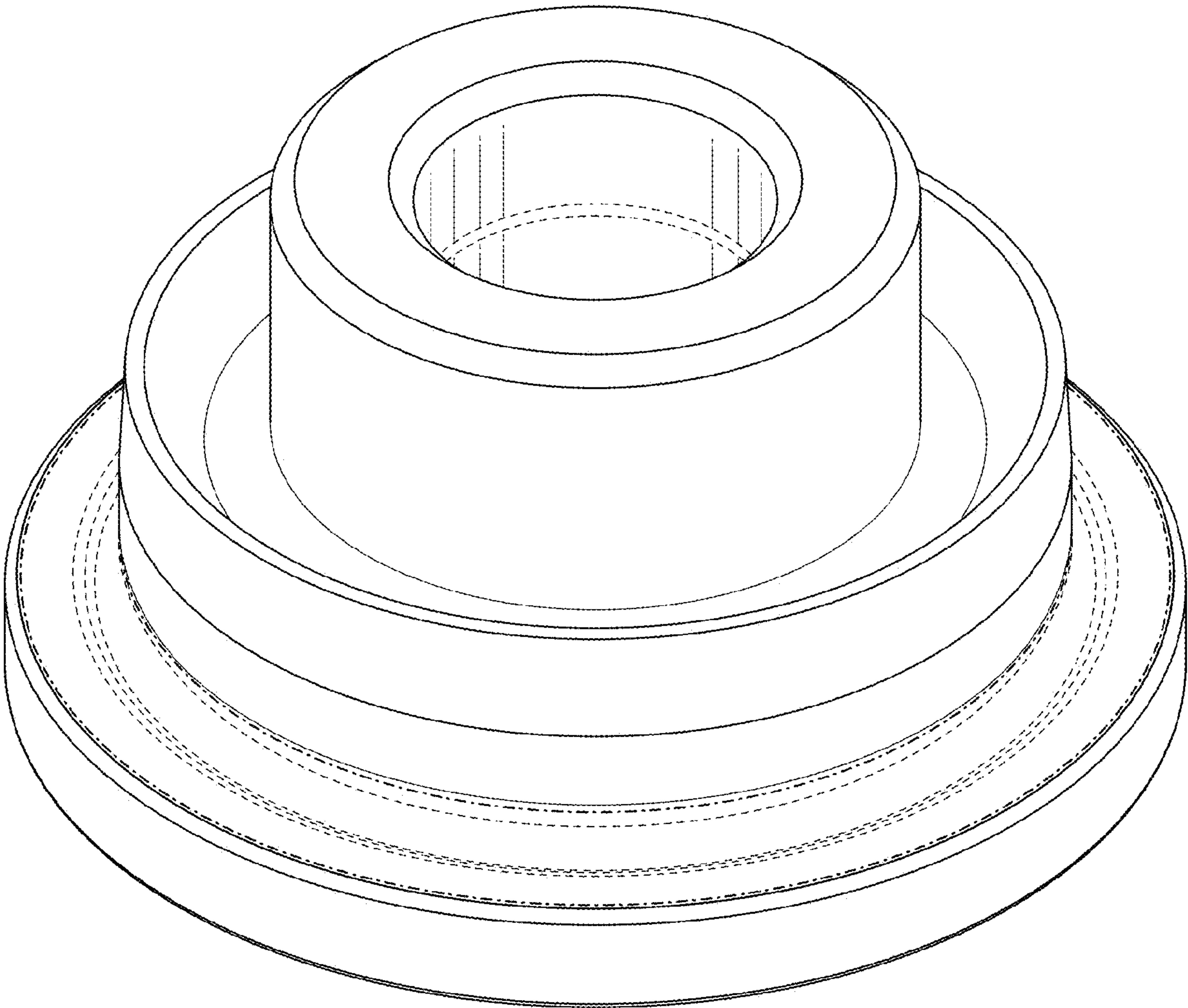


FIG. 1

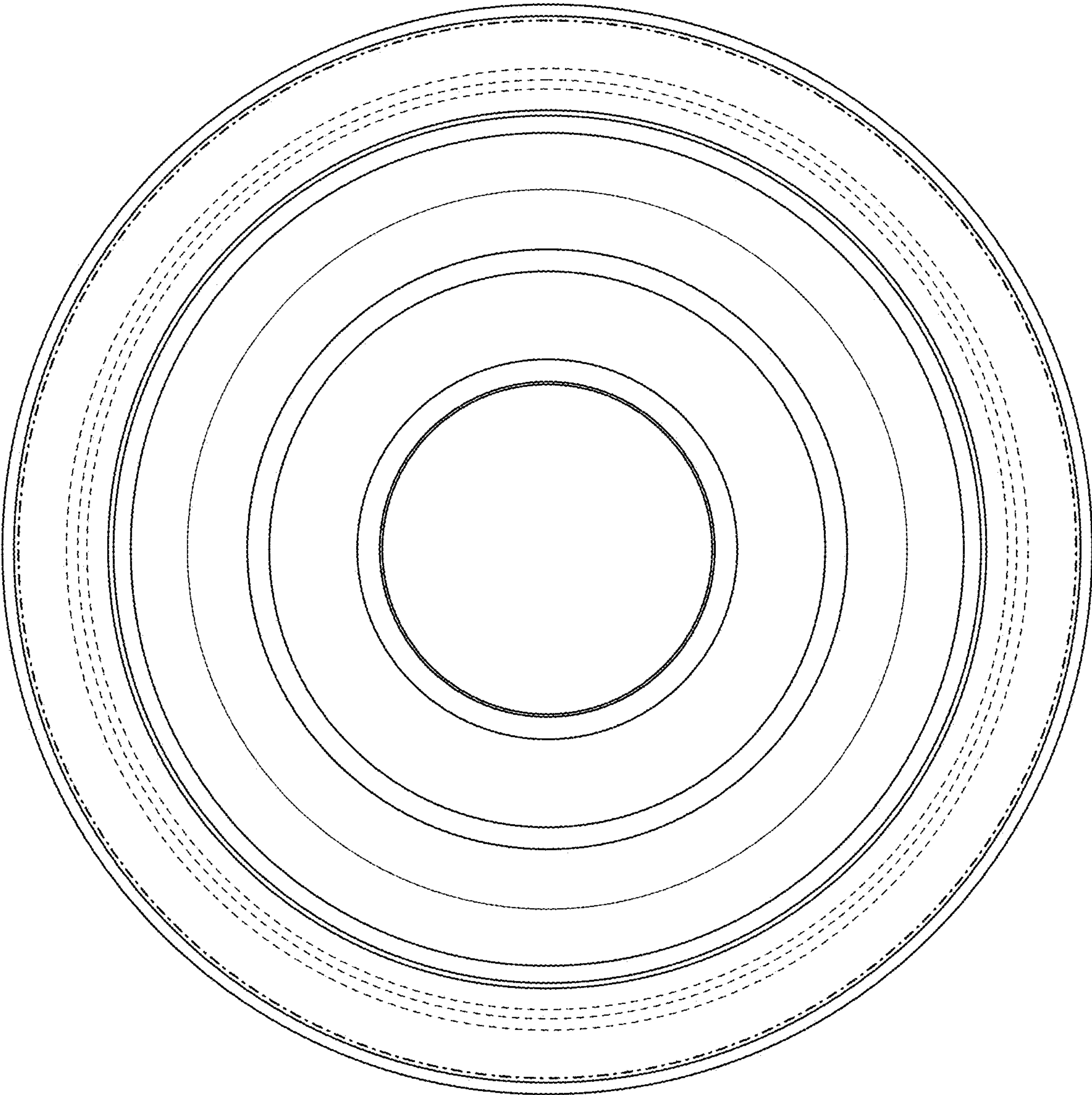


FIG. 2

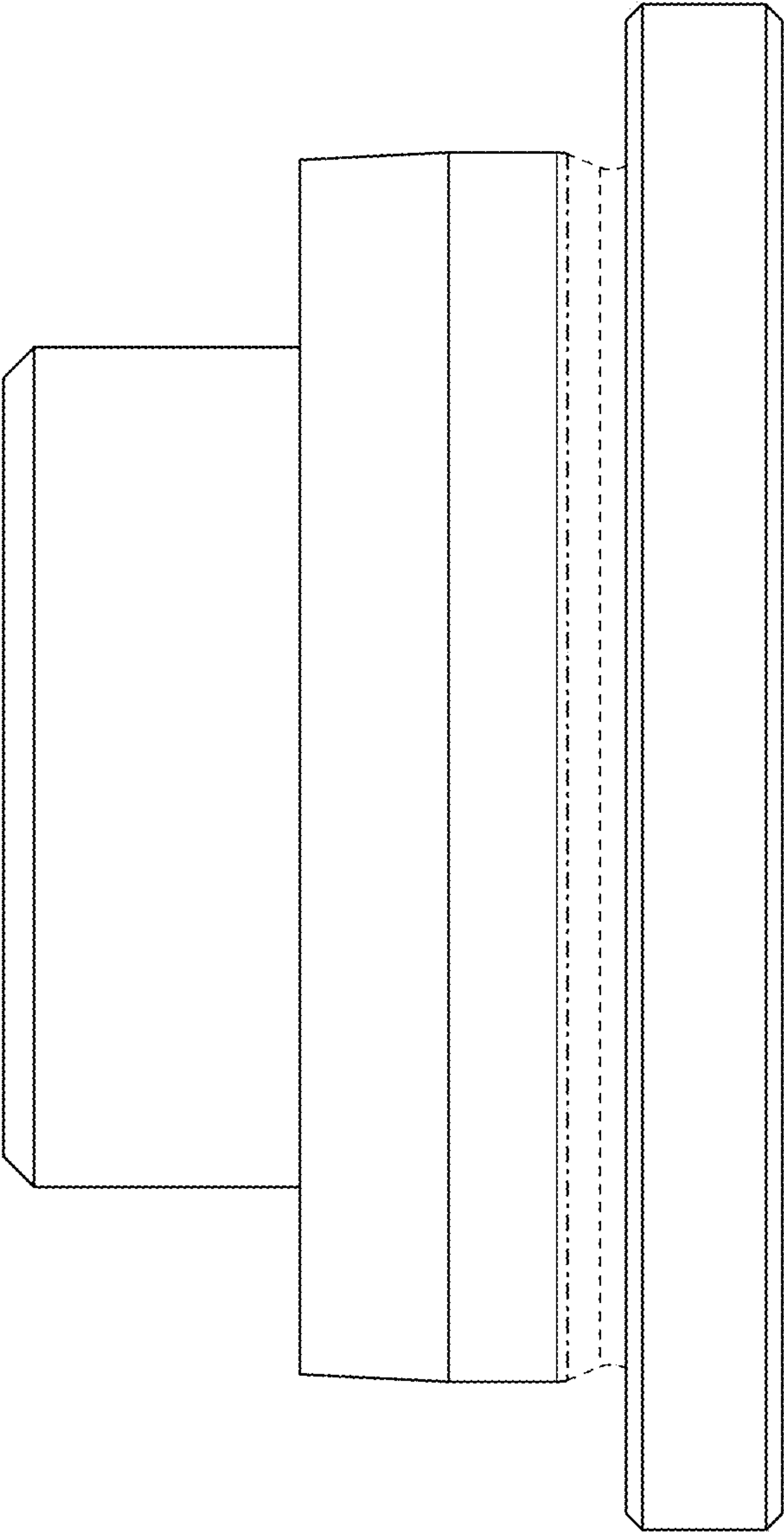


FIG. 3



FIG. 4