



US00D541935S

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

(10) **Patent No.:** **US D541,935 S**

(45) **Date of Patent:** **\*\* May 1, 2007**

(54) **VALVE FOR FLUIDS, ESPECIALLY FOR THE MEDICAL TECHNIQUE**

(75) Inventor: **Jan Willem Marinus Mijers,**  
Heemstede (NL)

(73) Assignee: **Filtertek Inc.,** Hebron, IL (US)

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

(21) Appl. No.: **29/220,976**

(22) Filed: **Jan. 7, 2005**

(30) **Foreign Application Priority Data**

Jul. 9, 2004 (DE) ..... 4 04 03 969

(51) **LOC (8) Cl.** ..... **24-01**

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

(58) **Field of Classification Search** ..... D24/110.6,  
D24/129; 604/6.1, 9, 32-34, 99.02-99.04,  
604/83; 251/5, 12; D23/233, 421; 137/512,  
137/843, 859

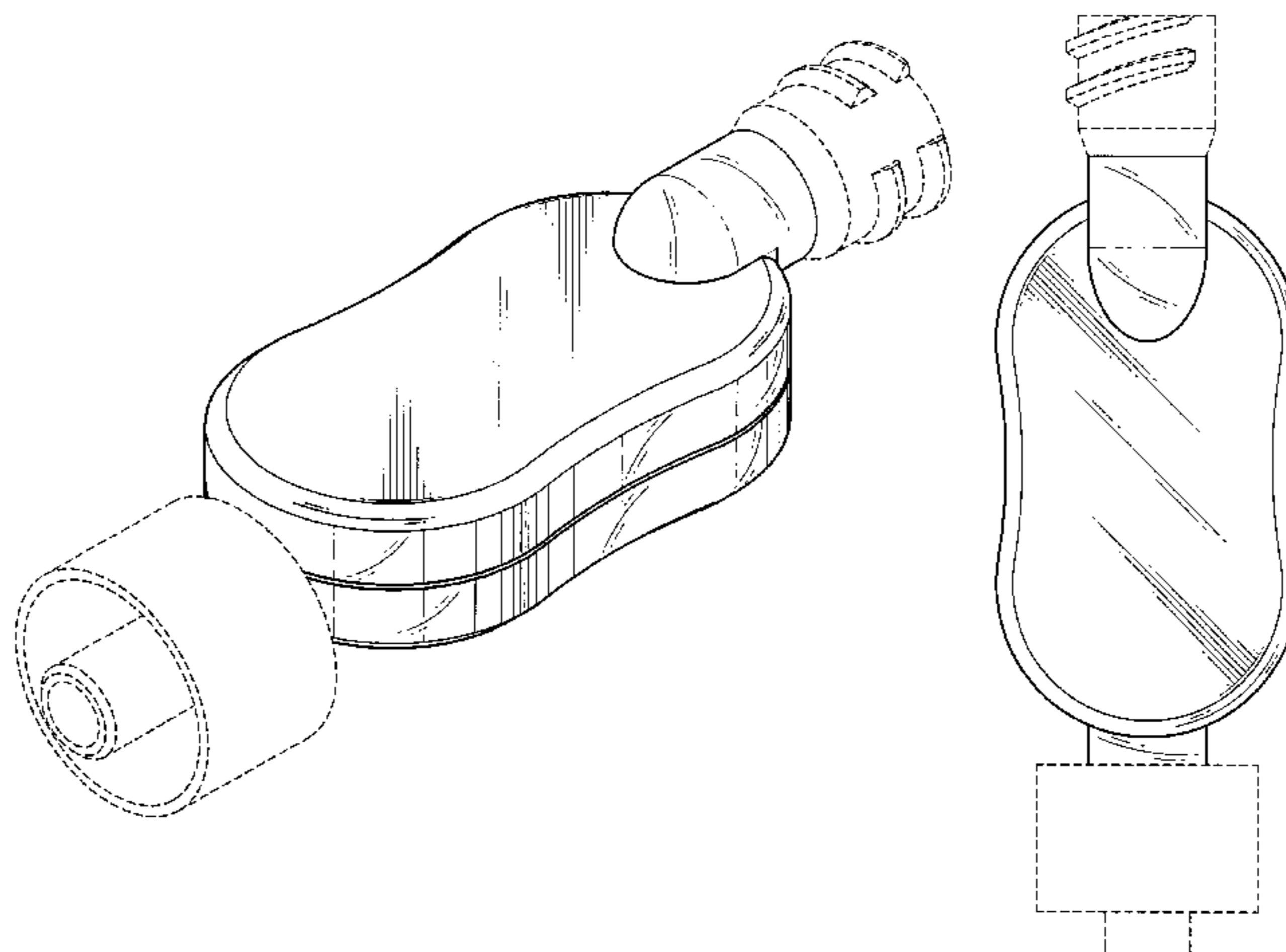
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

1,231,822 A \* 7/1917 Warman ..... 236/23  
1,637,489 A \* 8/1927 Kuhl ..... 137/512  
2,271,497 A \* 1/1942 Newell ..... 137/493  
2,630,874 A 3/1953 Langdon  
2,758,609 A 8/1956 Dickert et al.  
2,980,032 A 4/1961 Schneider  
3,084,707 A 4/1963 Frye  
3,238,056 A 3/1966 Pall  
3,270,771 A 9/1966 Morgan et al.  
3,599,657 A 8/1971 Maldavs  
3,633,605 A 1/1972 Smith  
3,658,183 A 4/1972 Best et al.  
3,779,274 A 12/1973 Kelly  
3,782,083 A 1/1974 Rosenberg  
3,932,153 A 1/1976 Byrns  
3,966,520 A 6/1976 Fallenbeck et al.  
4,022,258 A 5/1977 Steidley  
4,089,349 A 5/1978 Schenk  
4,141,379 A 2/1979 Manske

4,148,732 A 4/1979 Burrow et al.  
4,181,477 A 1/1980 Litt  
4,188,978 A 2/1980 De Lorenzo  
4,237,880 A 12/1980 Genese  
4,241,756 A 12/1980 Bennett et al.  
4,280,496 A \* 7/1981 Van Baelen ..... 604/83  
4,343,305 A 8/1982 Bron  
4,355,639 A 10/1982 Di Salvo  
4,404,006 A 9/1983 Williams et al.  
4,415,003 A 11/1983 Paradis et al.  
4,459,139 A 7/1984 vonReis et al.  
4,534,764 A 8/1985 Mittleman et al.  
4,556,086 A 12/1985 Raines  
4,576,181 A \* 3/1986 Wallace et al. .... 600/488  
4,593,720 A 6/1986 Bergandy  
4,646,781 A 3/1987 McIntyre  
4,664,800 A 5/1987 Raines et al.  
4,670,510 A 6/1987 Kobayashi et al.  
4,712,583 A 12/1987 Pelmulder et al.  
4,729,401 A \* 3/1988 Raines ..... 137/512  
4,749,003 A 6/1988 Leason  
4,768,547 A 9/1988 Danby et al.  
4,793,503 A 12/1988 Towns et al.  
4,846,215 A 7/1989 Barree  
4,874,513 A 10/1989 Chakraborty et al.  
4,936,542 A \* 6/1990 Beard ..... 251/117  
4,958,661 A 9/1990 Holtermann et al.  
4,966,199 A 10/1990 Ruschke  
4,986,904 A 1/1991 Buger et al.  
5,011,555 A 4/1991 Sager  
5,025,829 A 6/1991 Edwards et al.  
D325,082 S \* 3/1992 Lambert ..... D24/111  
5,125,522 A 6/1992 Pezzoli et al.  
5,147,545 A 9/1992 Despard et al.  
5,215,538 A 6/1993 Larkin  
5,230,727 A 7/1993 Pound et al.  
5,265,770 A 11/1993 Matkovich et al.  
5,269,917 A 12/1993 Stankowski  
D355,030 S \* 1/1995 Baldwin ..... D24/110.6  
5,443,723 A 8/1995 Stankowski et al.  
5,453,097 A 9/1995 Paradis  
D367,532 S \* 2/1996 Sirianne et al. .... D24/162  
5,500,003 A 3/1996 Guala et al.  
5,520,661 A 5/1996 Lal et al.  
5,603,792 A 2/1997 Guala et al.  
5,617,897 A 4/1997 Myers  
5,749,861 A 5/1998 Guala et al.  
5,771,935 A 6/1998 Myers  
5,782,383 A 7/1998 Robinson



5,935,100	A	8/1999	Myers
6,086,762	A	7/2000	Guala
6,168,653	B1	1/2001	Myers
D447,688	S *	9/2001	Jalet et al. .... D9/425
6,290,682	B1	9/2001	Myers
D473,647	S *	4/2003	Francavilla et al. .... D24/129
D474,839	S *	5/2003	Francavilla et al. .... D24/129
6,579,342	B2	6/2003	Wang
6,708,714	B1	3/2004	Mijers
2004/0074925	A1	4/2004	Faurie
2004/0153047	A1	8/2004	Blank et al.

FOREIGN PATENT DOCUMENTS

BE	1 009 834	A6	10/1997
DE	667 675		4/1934
DE	GM 1 695 553		3/1953
DE	GM 1 675 370		2/1954
DE	2 502 673	A1	7/1976
DE	25 13 350	A1	10/1976
DE	27 13 618	C2	10/1977
DE	29 19 343	A1	11/1980
DE	30 35 301	A1	4/1981
DE	29 49 262	A1	6/1981
DE	GM 82 14 927.5		9/1982
DE	32 15 329	A1	12/1982
DE	GM 86 03 917	U1	5/1986
DE	36 32 412	A1	3/1988
DE	38 03 380		8/1989
DE	40 39 814	A1	6/1992
DE	GM 92 09 491.0		10/1992
DE	41 42 494	A1	7/1993
DE	42 01 258	A1	7/1993
DE	GM 93 19 810.8	U1	3/1994
DE	43 09 262	A1	6/1994
DE	43 04 949	A1	8/1994
DE	GM 93 10 673.4		9/1994
DE	43 15 701	A1	11/1994
DE	29 501 239		4/1995
DE	691 09 240	T2	10/1995
DE	196 05 217		2/1996
DE	GM 296 10 419.1		12/1996
DE	195 45 421	A1	6/1997
DE	196 43 360	C1	5/1998
DE	197 49 562	C1	4/1999
DE	102 19 994	A1	12/2003
DE	20 2004 009 831	U1	8/2004
DE	20 2004 009 521	U1	10/2004
EP	0 072 800	B1	3/1983
EP	0 379 047	A	7/1990
EP	0 459 498	A1	12/1991
EP	0 562 246	A1	9/1993
EP	0 612 537	A2	8/1994
EP	0 612 537	A3	8/1994
EP	0 652 018	B1	10/1996
EP	0 812 596	A1	12/1997
EP	0 878 628	A2	11/1998
EP	0 887 085	A2	12/1998
EP	0 934 757	A2	8/1999
EP	1 063 956	B1	1/2001
EP	1 088 765	A	4/2001
FR	2 666 745	A	3/1992
GB	439 278	A	12/1935
GB	811 818		4/1959
GB	2 027 168	A	2/1980
WO	WO 88/02639		4/1988
WO	WO 89/02764		4/1989
WO	WO 91/11641		8/1991
WO	WO 93/10015	A	5/1993
WO	WO 96/03166		2/1996

WO	WO 97/03712	2/1997
WO	WO 97/47339	12/1997

OTHER PUBLICATIONS

U.S. Appl. No. 29/220,875, filed Jan. 7, 2005, Mijers.  
Christians, Rolf, "Membranen inder Pneumatik," *Fluid*, pp. 39-46 (Apr. 1980).

\* cited by examiner

*Primary Examiner*—Louis S. Zarfaz

*Assistant Examiner*—Eric L. Goodman

(74) *Attorney, Agent, or Firm*—Brinks Hofer Gilson & Lione

(57) CLAIM

I claim the ornamental design for a valve for fluids, especially for the medical technique, as shown and described.

DESCRIPTION

FIG. 1 is a top perspective view of a first embodiment of a valve for fluids, especially for the medical technique of the present invention;  
FIG. 2 is a top view thereof;  
FIG. 3 is a bottom view thereof;  
FIG. 4 is a front view thereof;  
FIG. 5 is a rear view thereof;  
FIG. 6 is a first side view thereof, wherein the second side view is a mirror image thereof;  
FIG. 7 is a top perspective view of a second embodiment of a valve for fluids, especially for the medical technique of the present invention;  
FIG. 8 is a top view thereof;  
FIG. 9 is a bottom view thereof;  
FIG. 10 is a front view thereof;  
FIG. 11 is a rear view thereof;  
FIG. 12 is a first side view thereof, wherein the second side view is a mirror image thereof;  
FIG. 13 is a top perspective view of a third embodiment of a valve for fluids, especially for the medical technique of the present invention;  
FIG. 14 is a top view thereof;  
FIG. 15 is a bottom view thereof;  
FIG. 16 is a front view thereof;  
FIG. 17 is a rear view thereof;  
FIG. 18 is a first side view thereof, wherein the second side view is a mirror image thereof;  
FIG. 19 is a top perspective view of one embodiment of a valve for fluids, especially for the medical technique of the present invention;  
FIG. 20 is a top view thereof;  
FIG. 21 is a bottom view thereof;  
FIG. 22 is a front view thereof;  
FIG. 23 is a rear view thereof; and,  
FIG. 24 is a first side view thereof, wherein the second side view is a mirror image thereof.

The ornamental design which is claimed is shown in solid lines in the drawings. Any broken lines in the drawings are for illustrative purposes only and form no part of the claimed design.

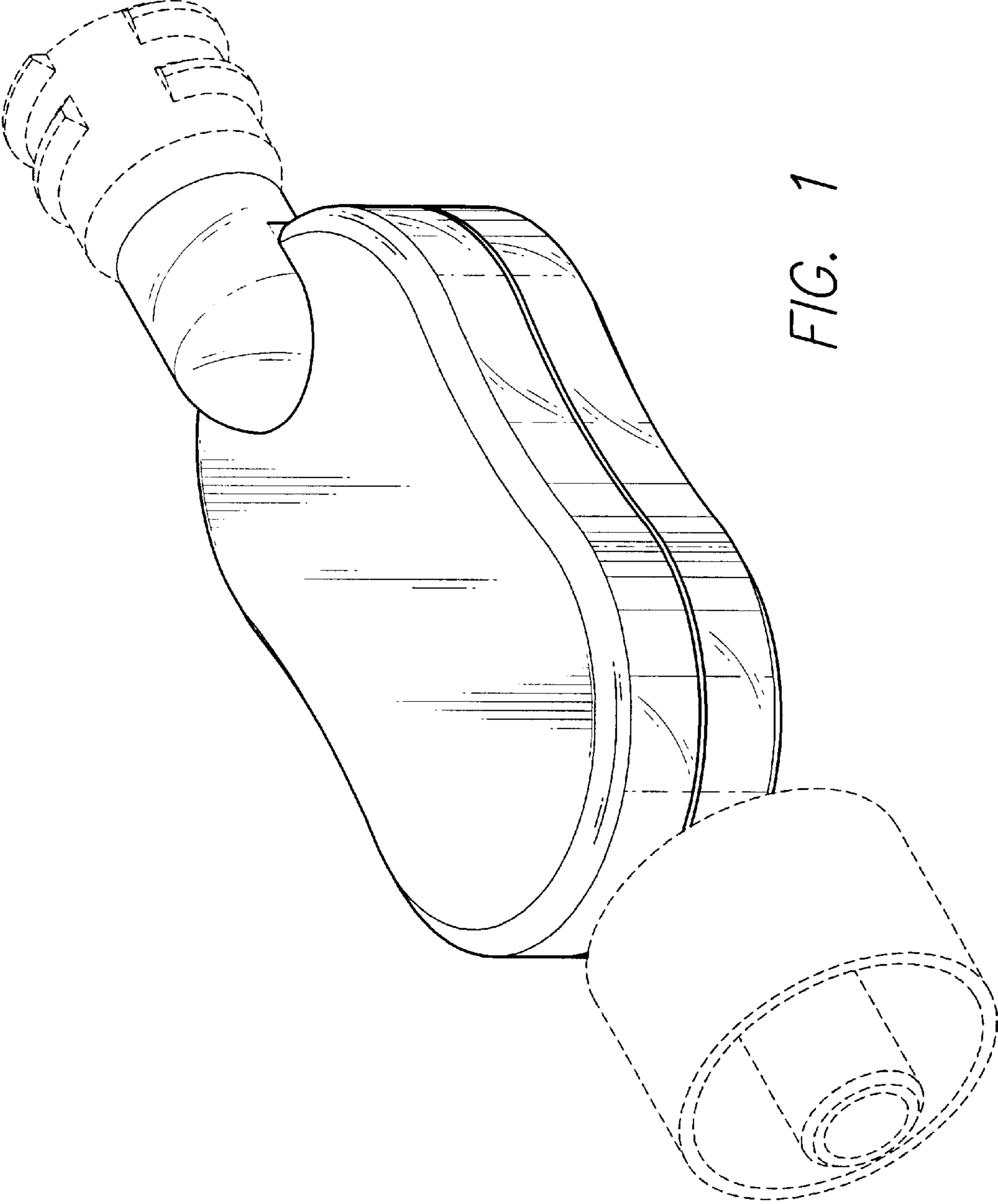


FIG. 1

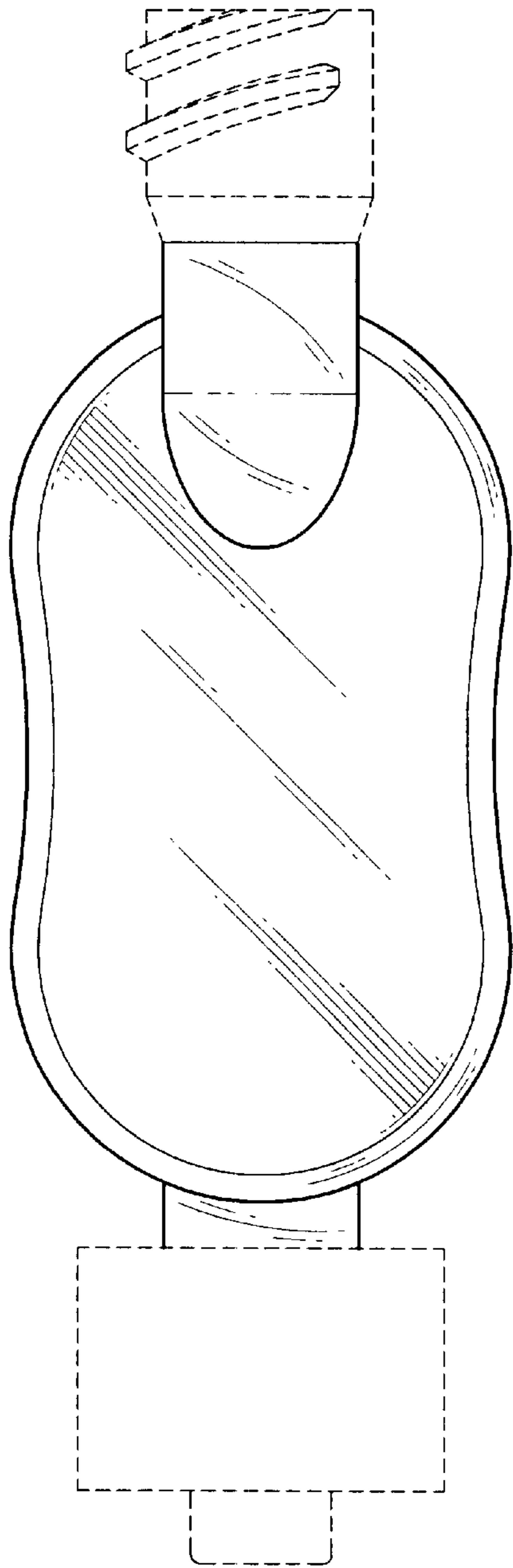


FIG. 2

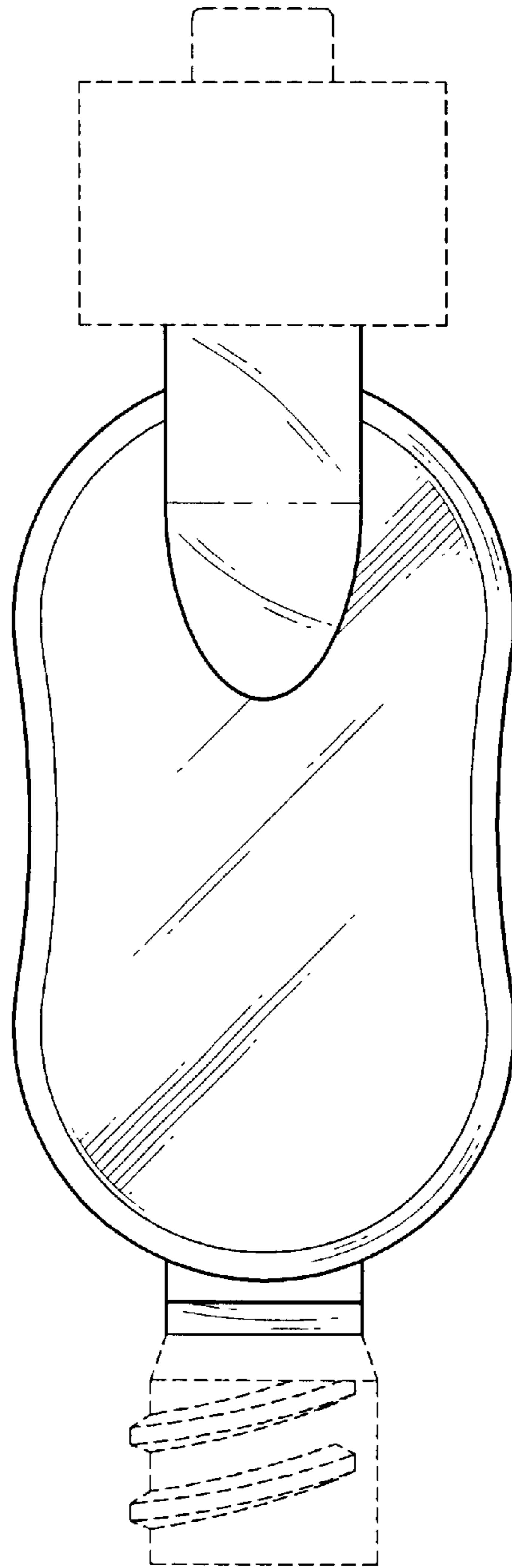


FIG. 3

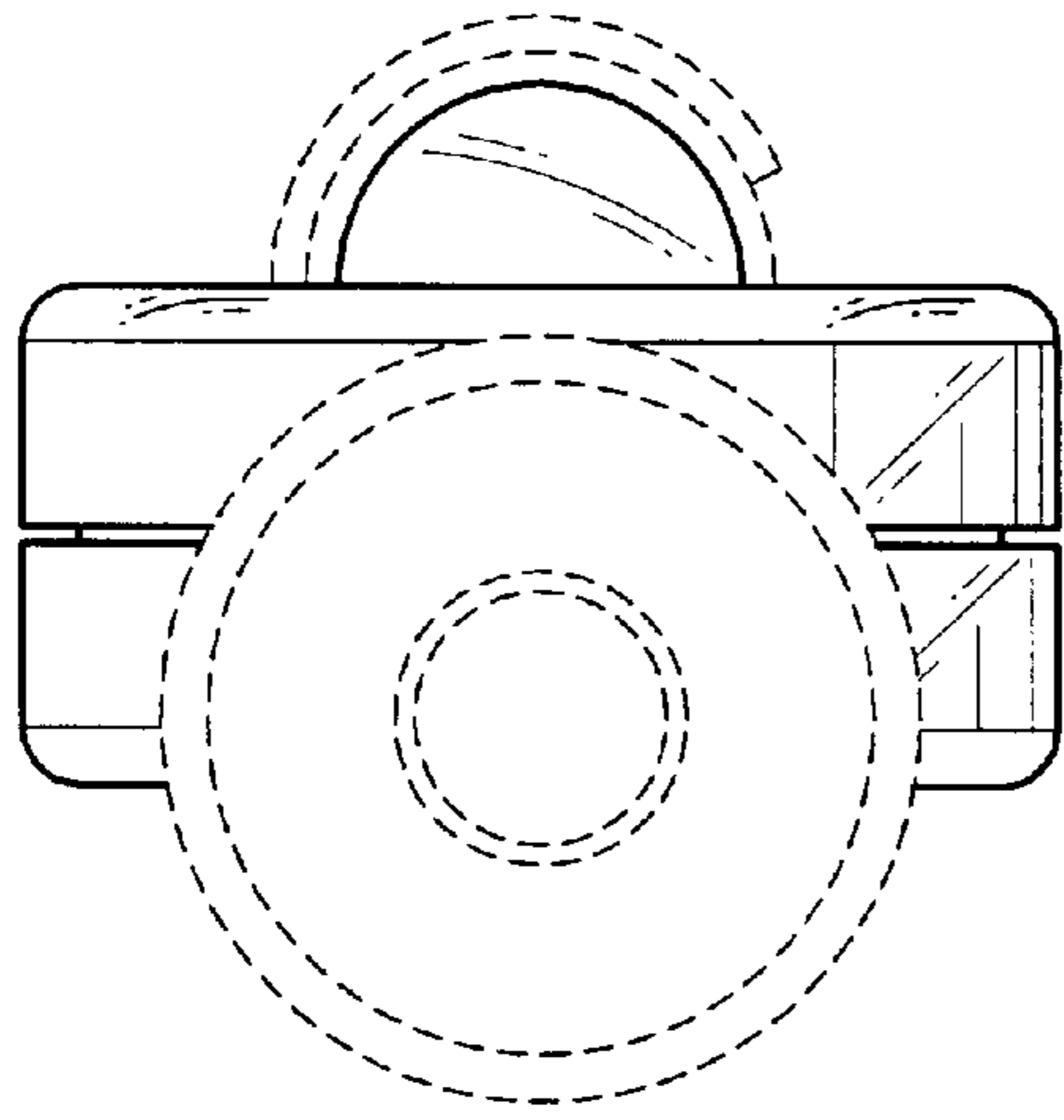


FIG. 4

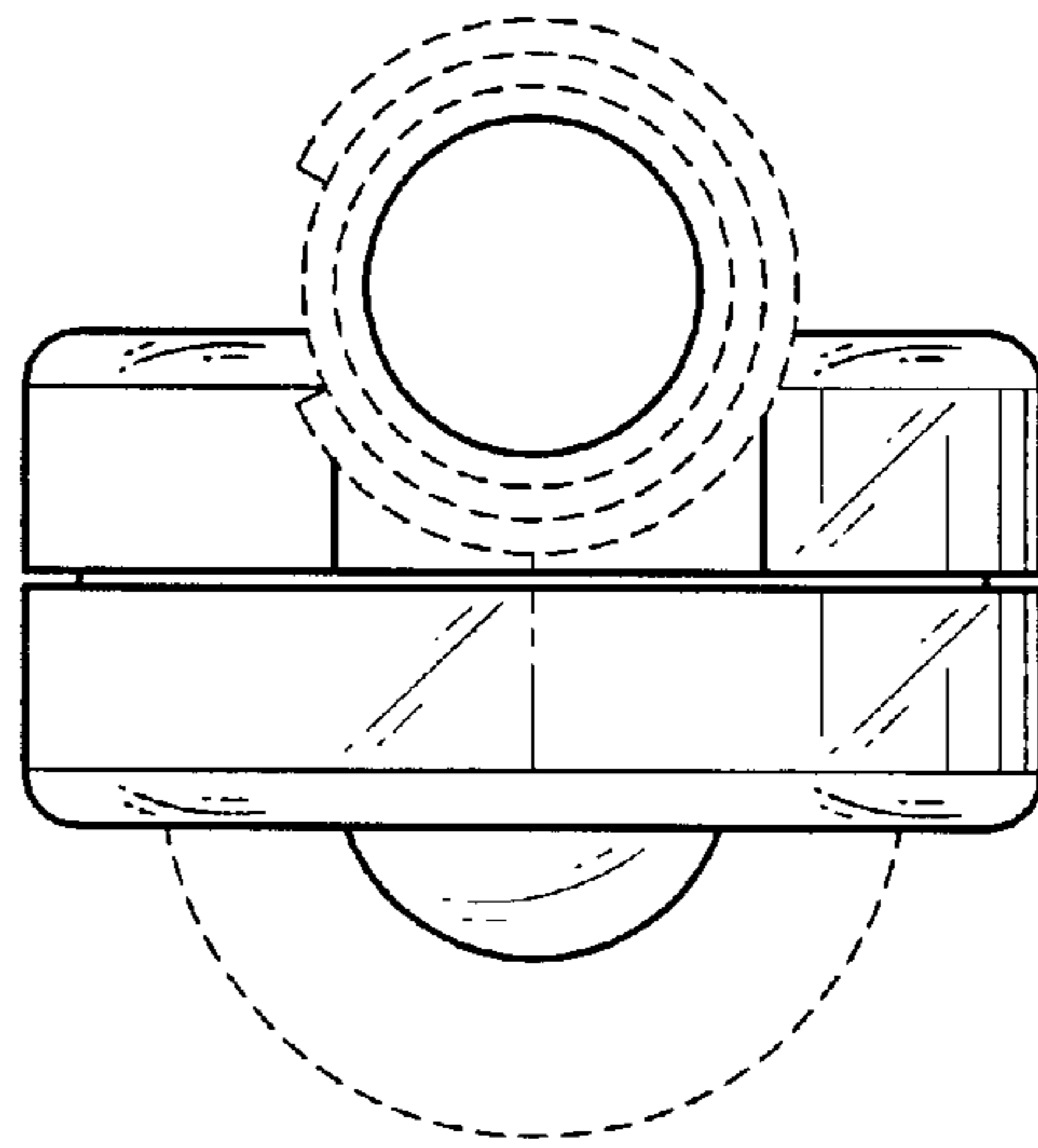


FIG. 5

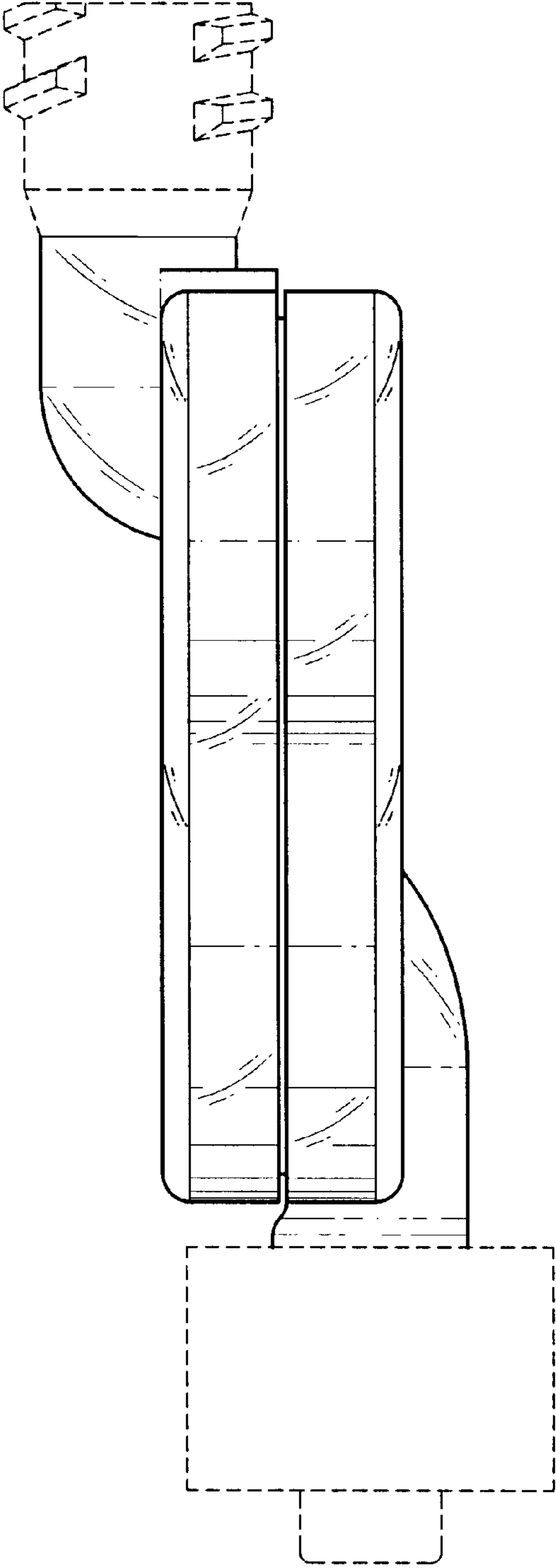


FIG. 6

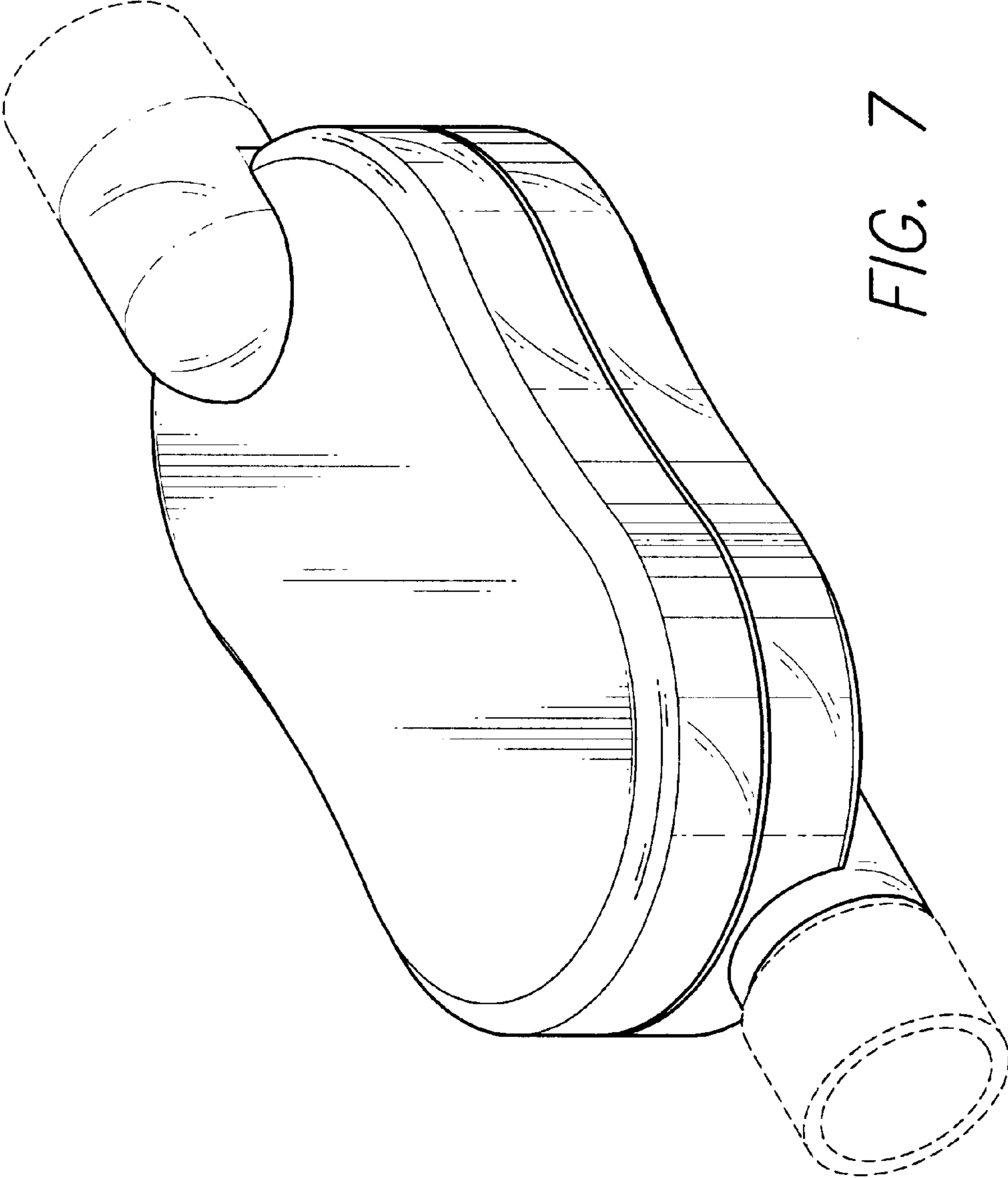


FIG. 7

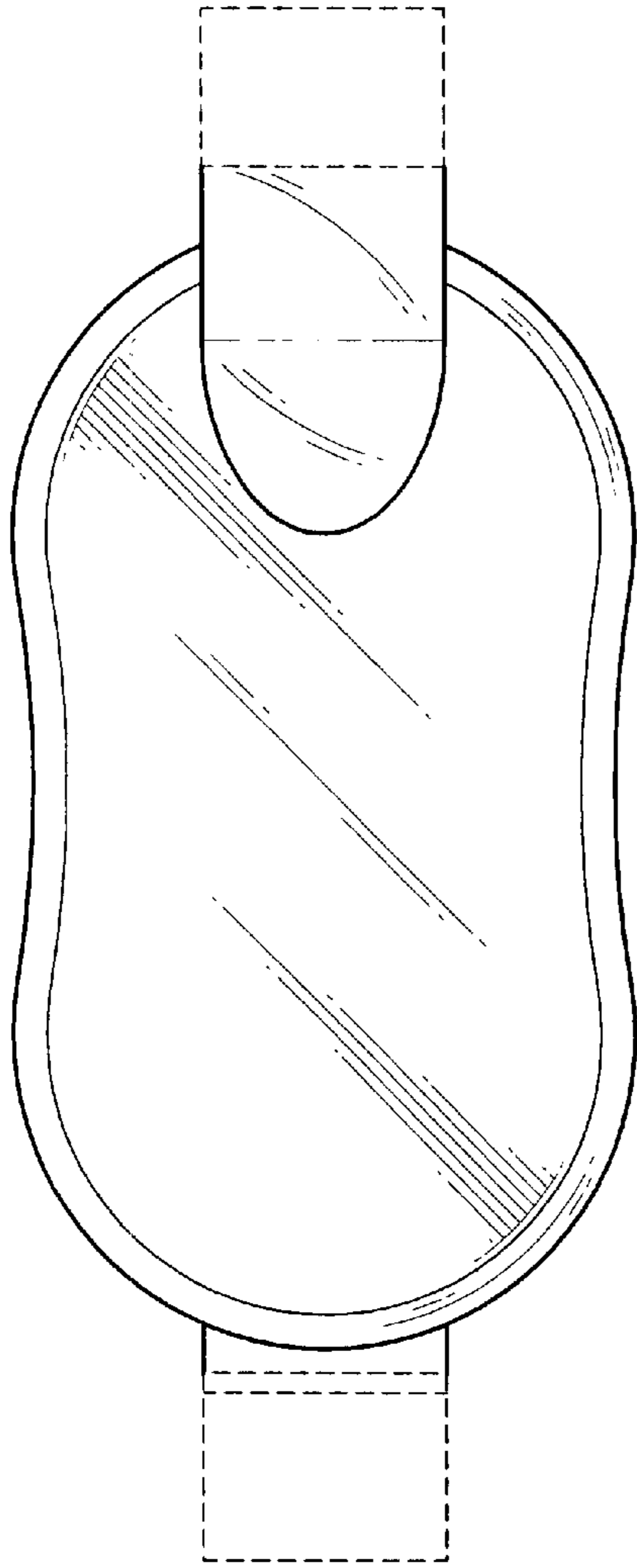


FIG. 8

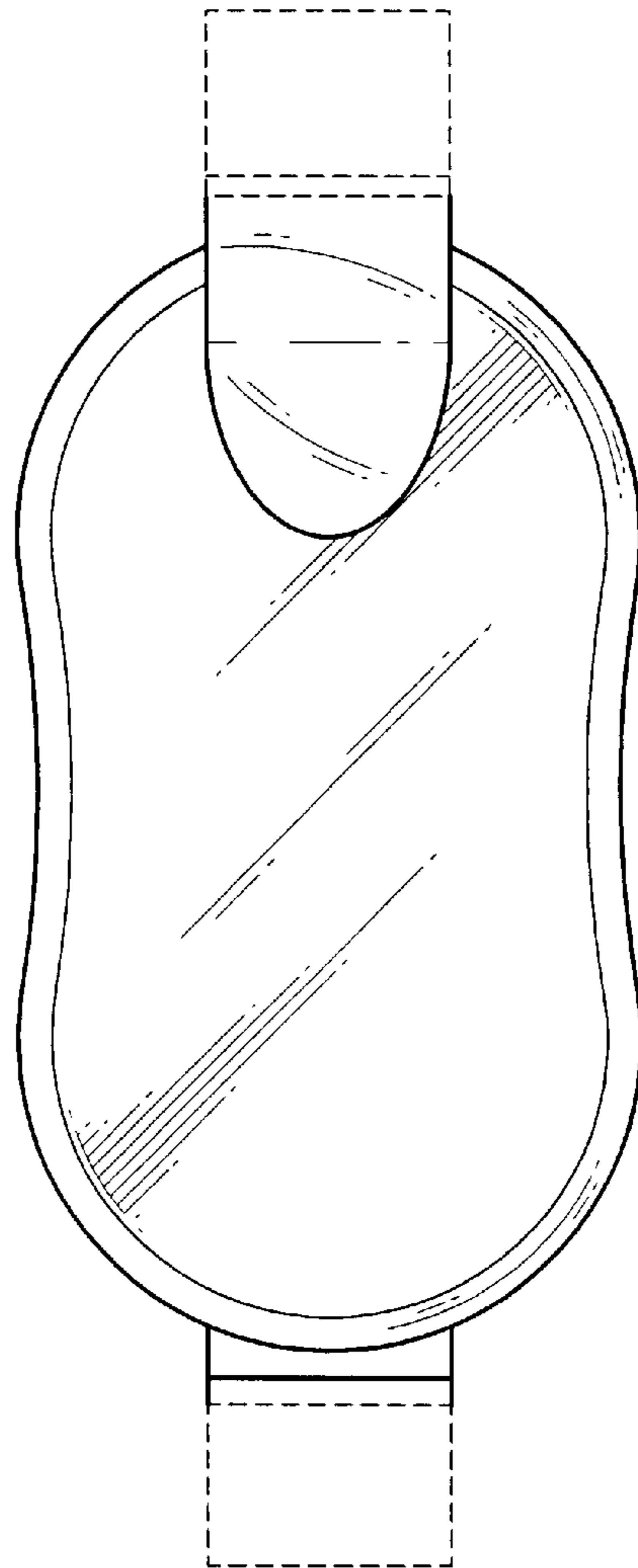
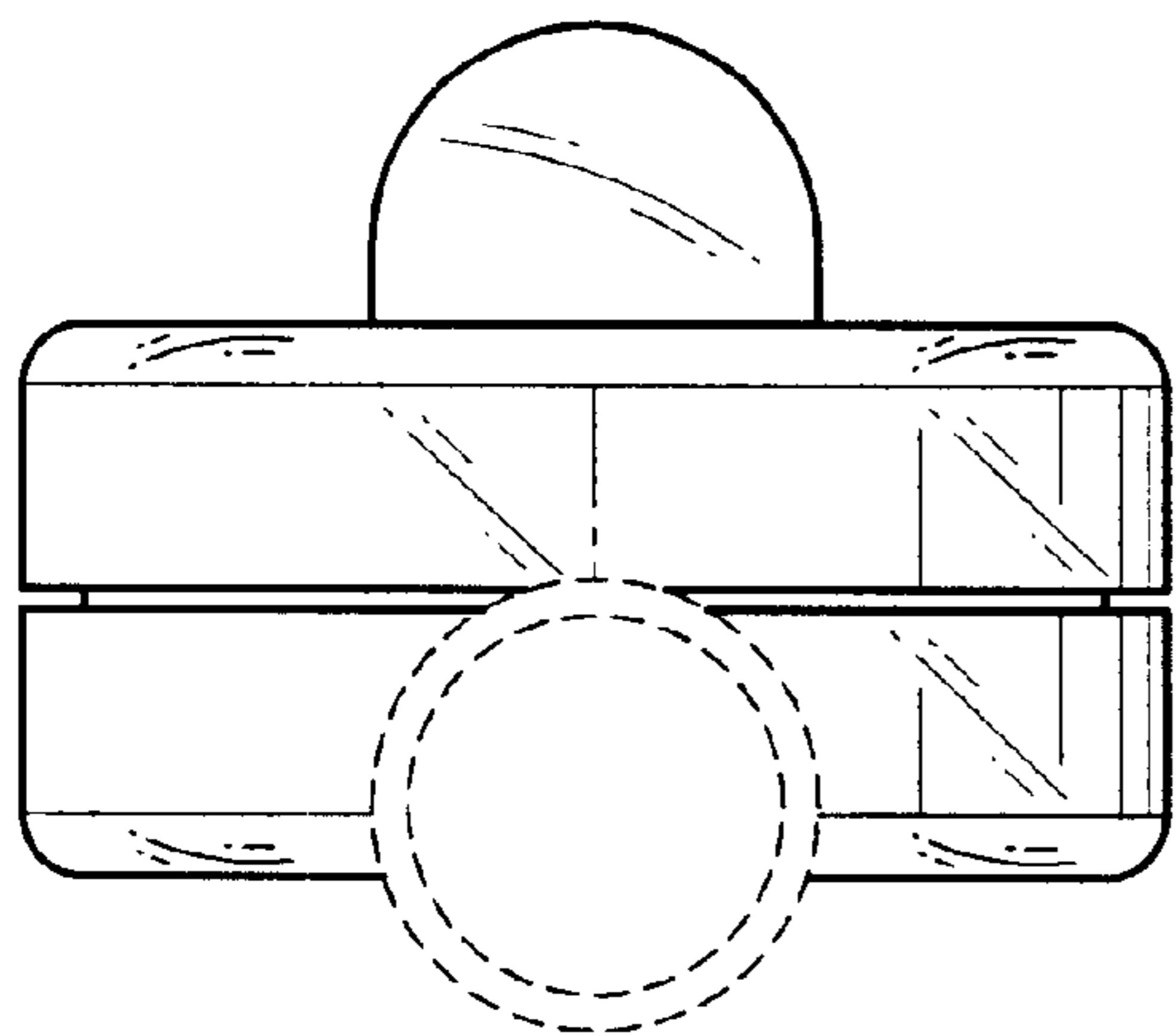
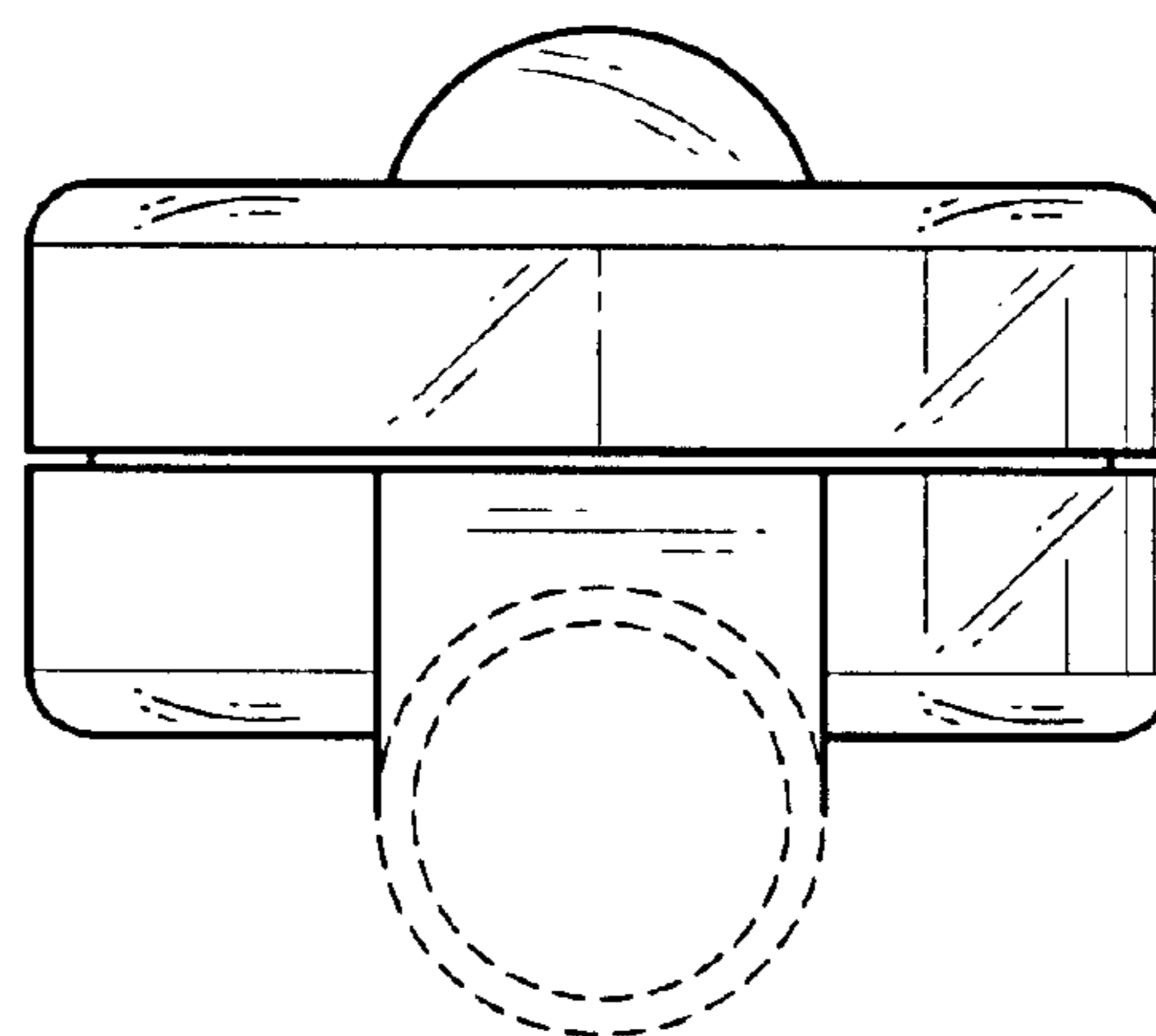


FIG. 9





*FIG. 10*



*FIG. 11*

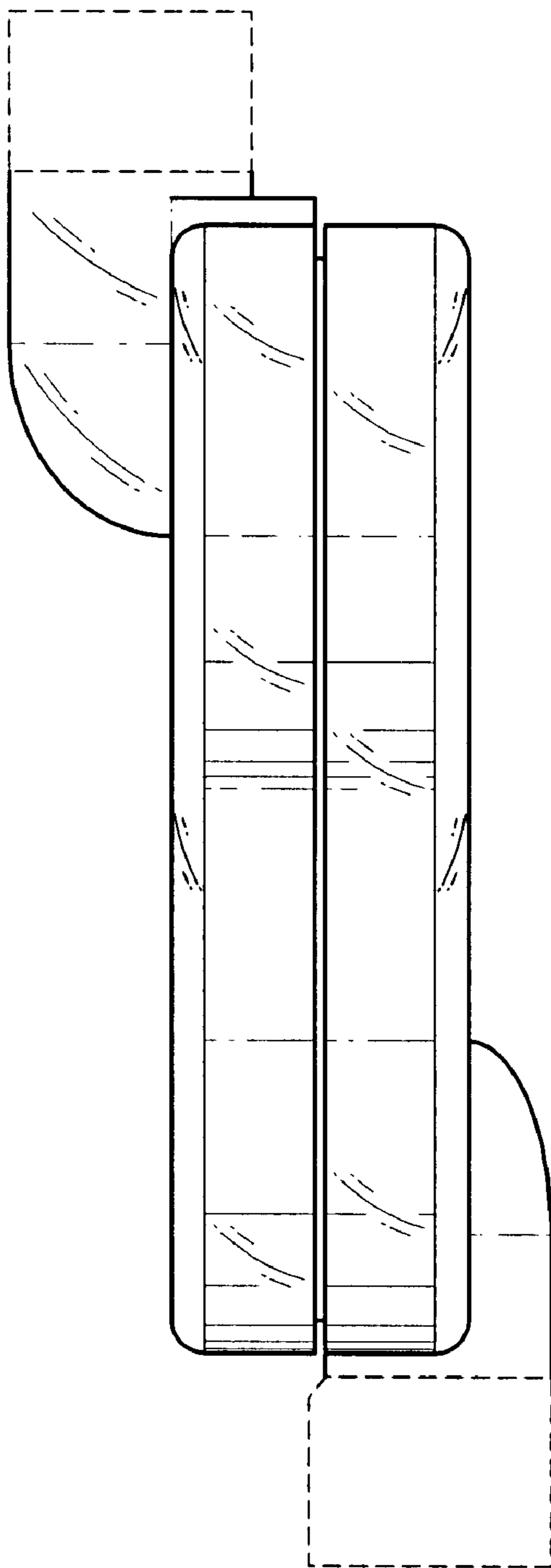


FIG. 12

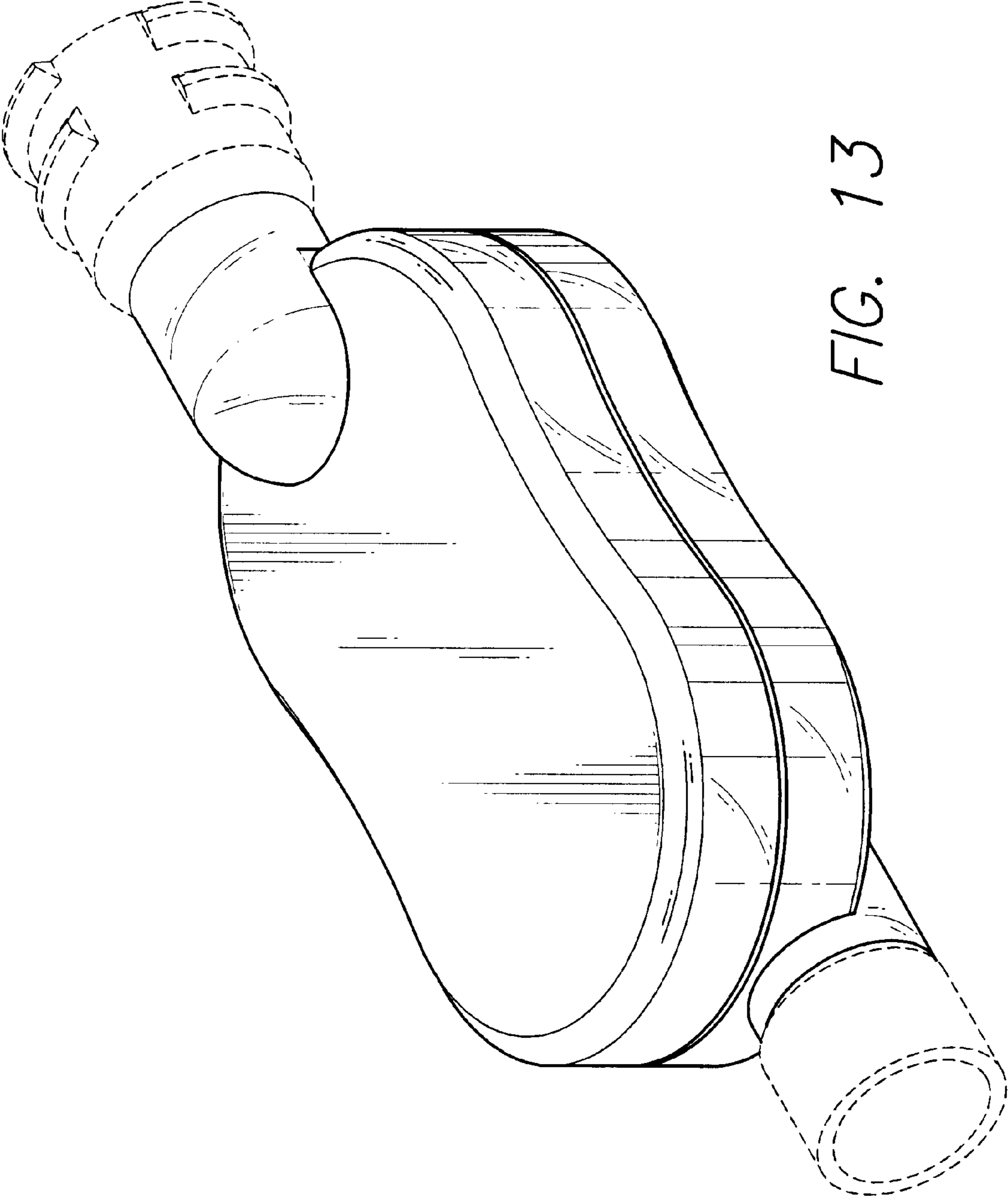


FIG. 13

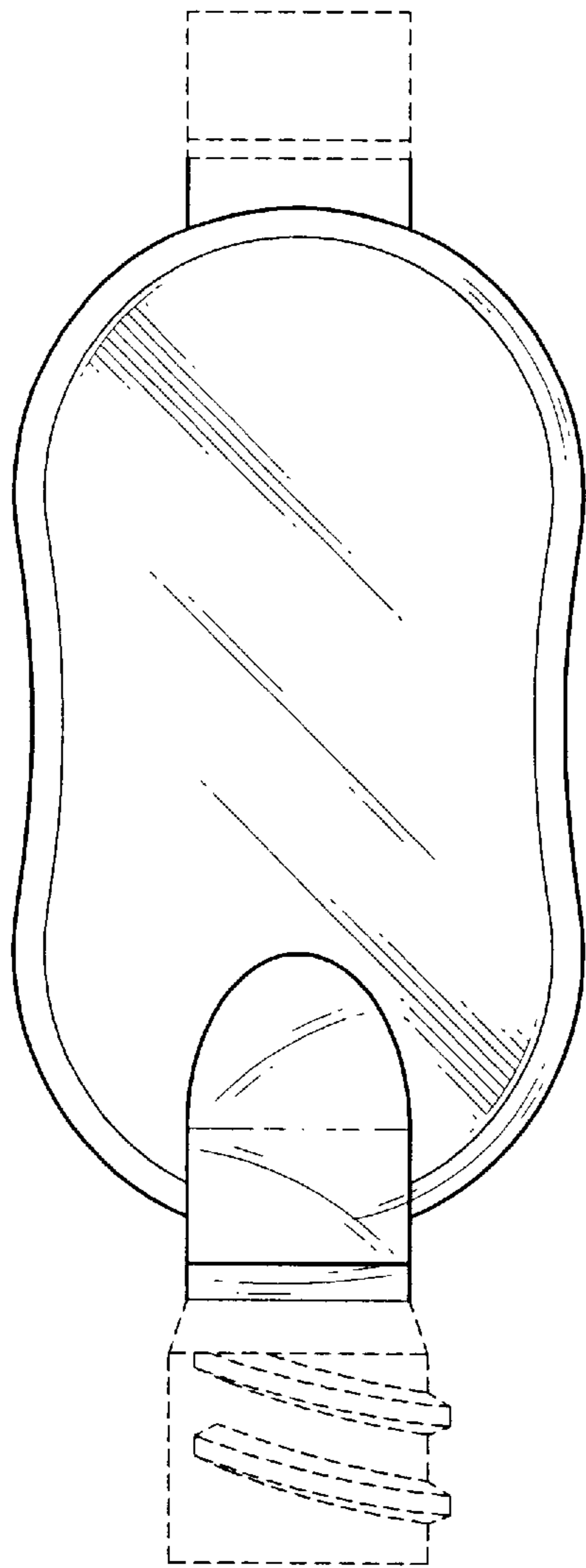


FIG. 14

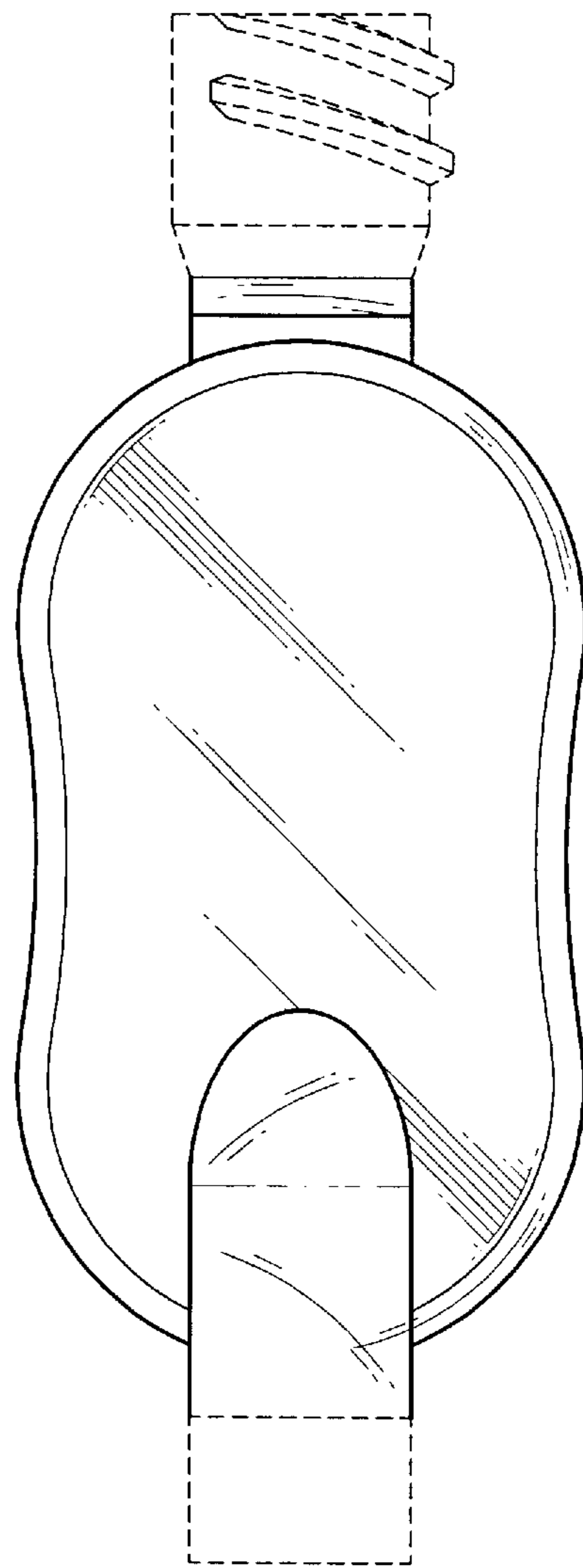


FIG. 15

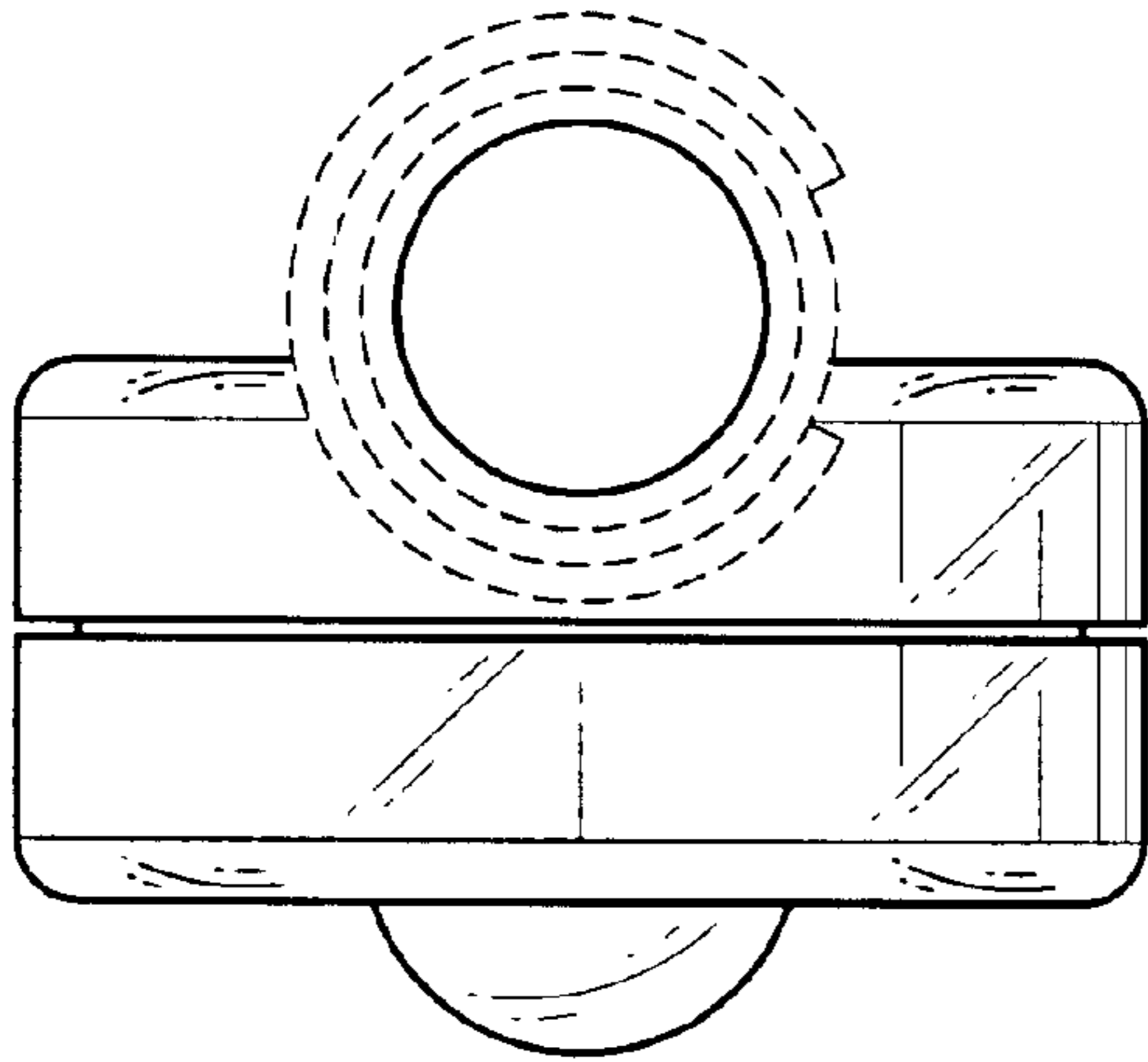


FIG. 16

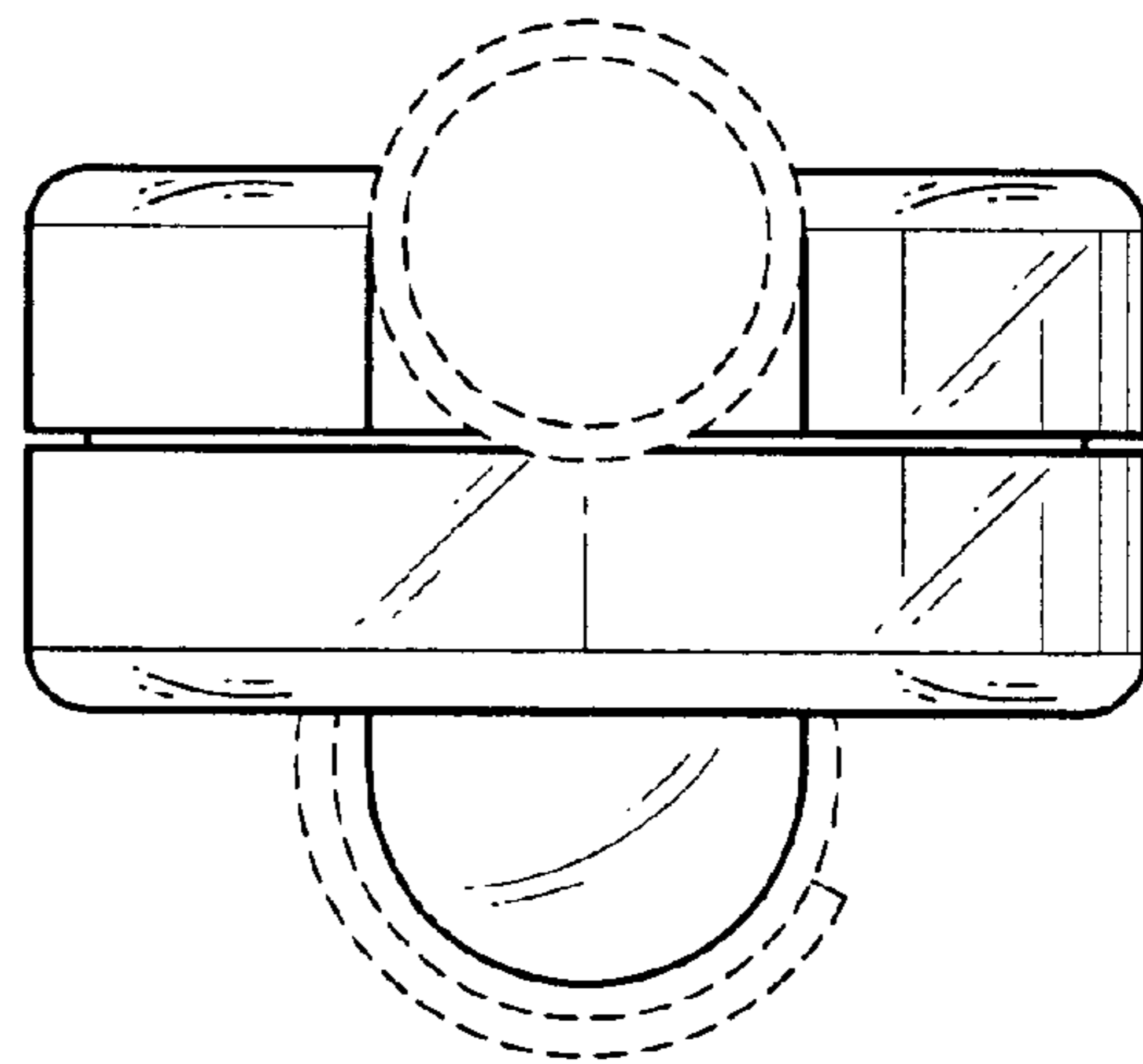


FIG. 17

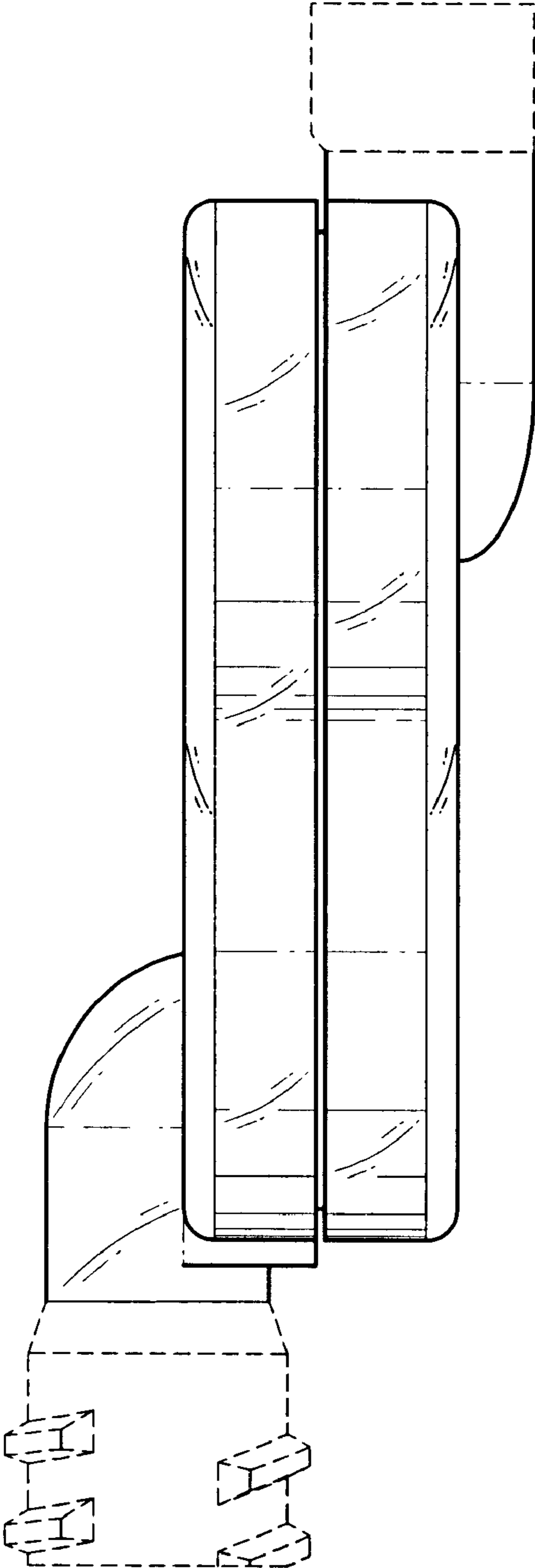


FIG. 18

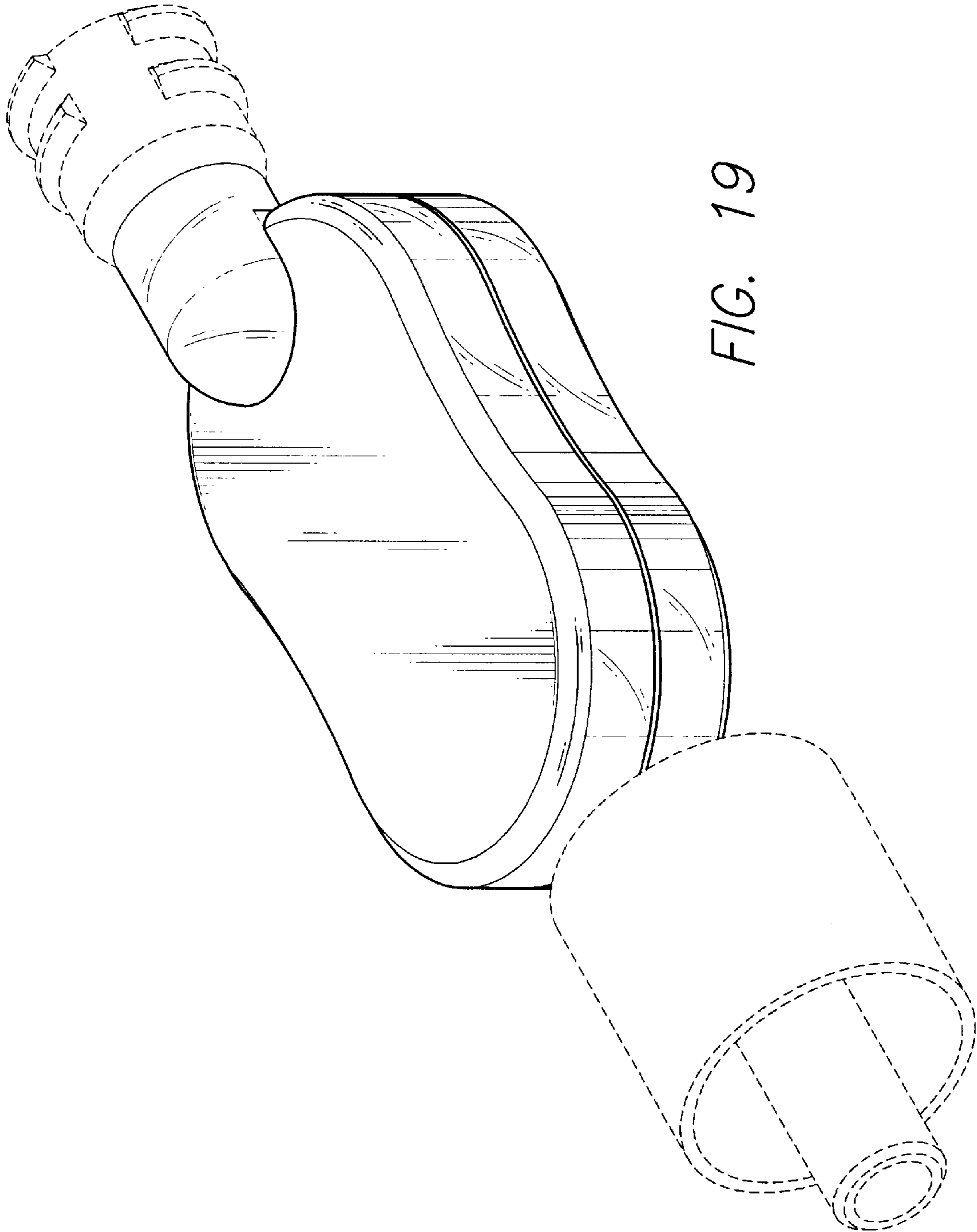


FIG. 19

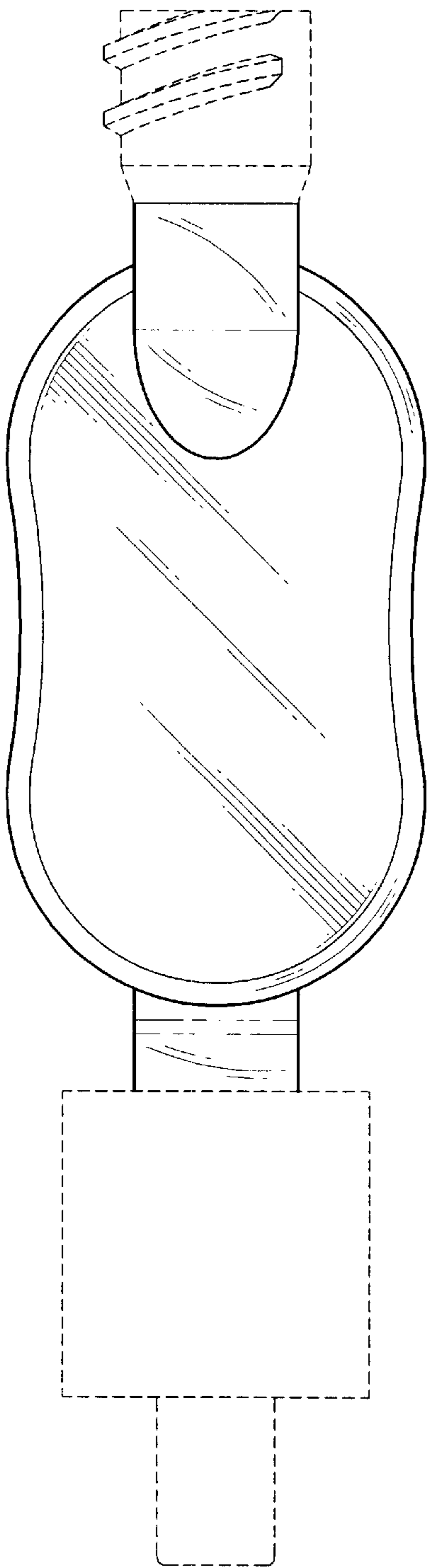


FIG. 20

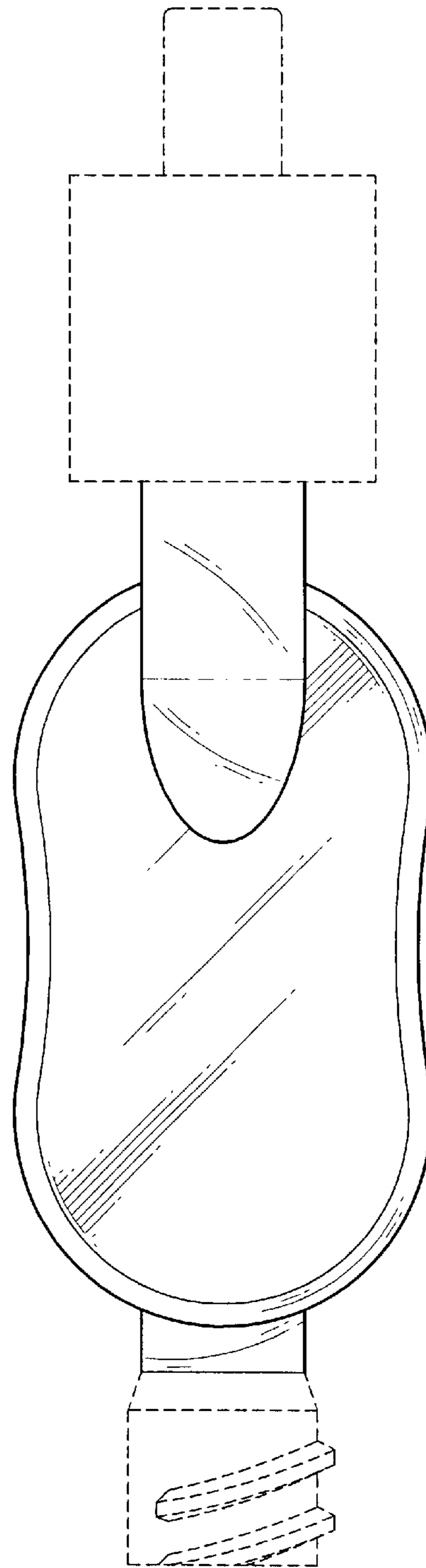


FIG. 21



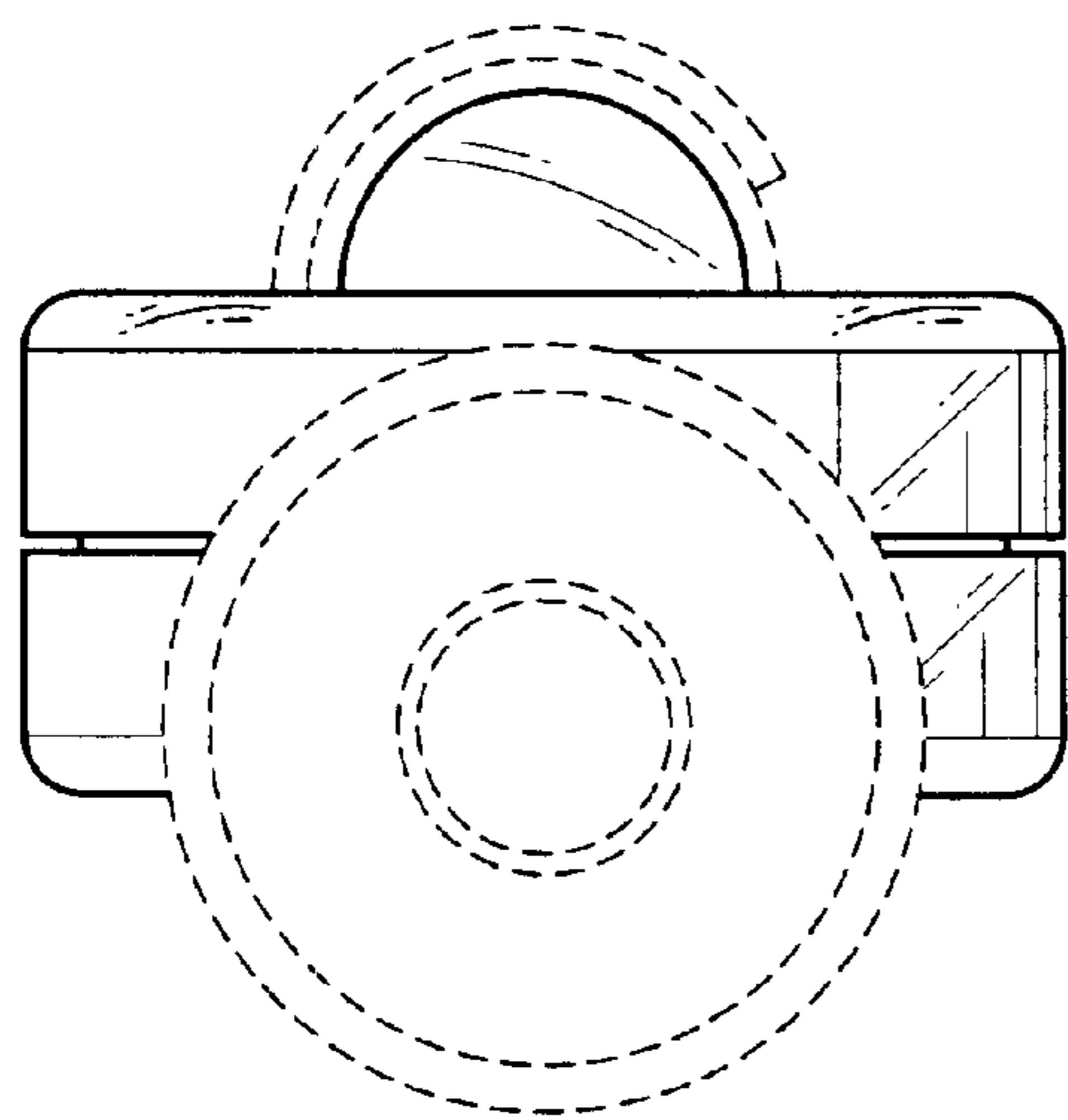


FIG. 22

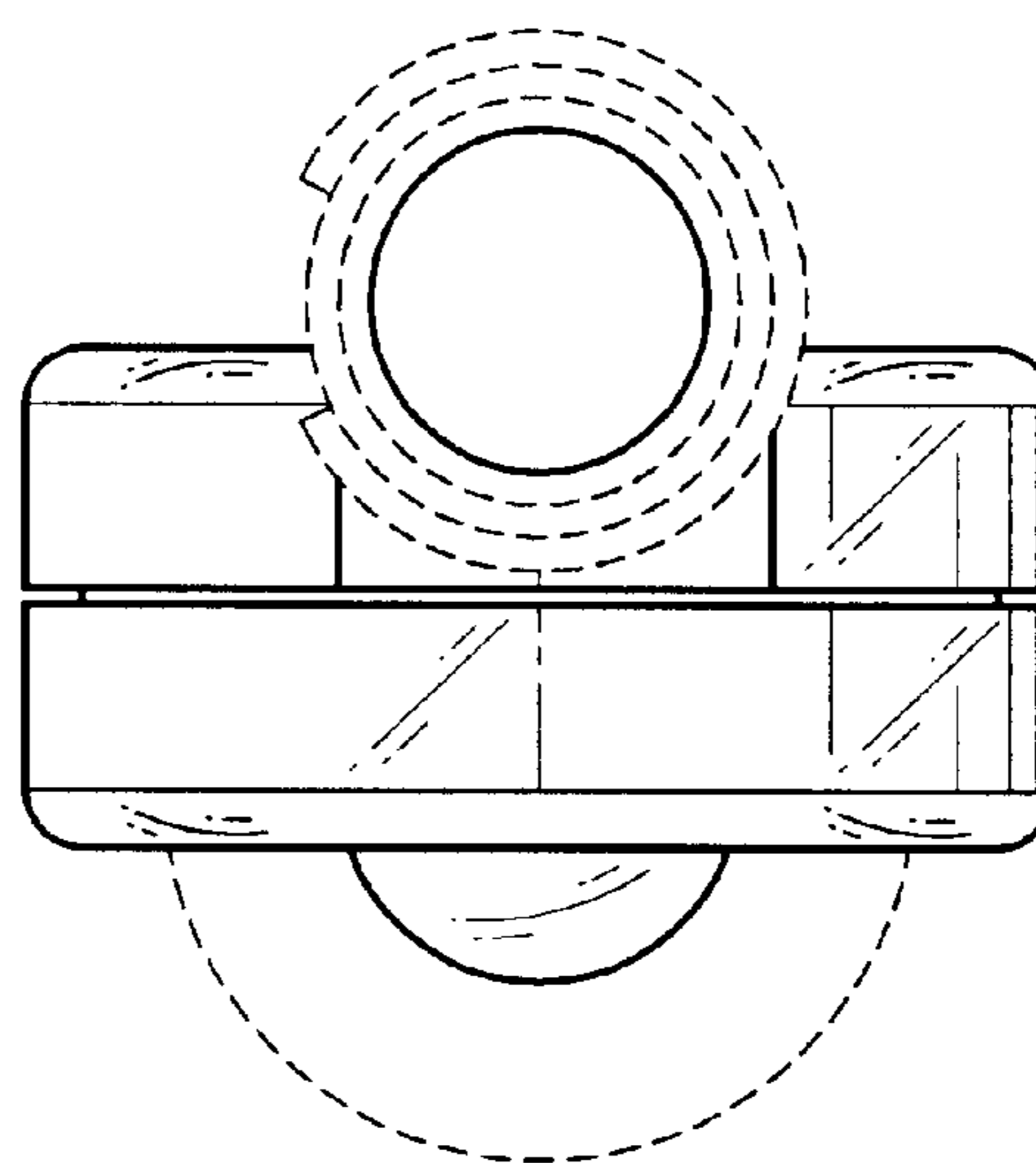


FIG. 23

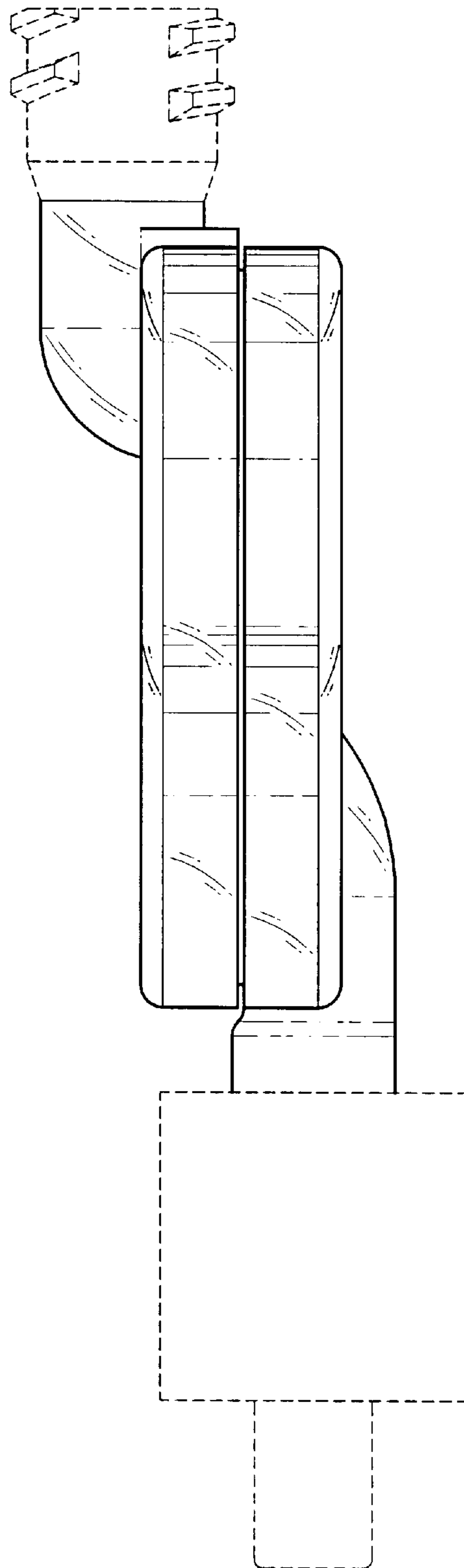


FIG. 24