



US00D435650S

United States Patent [19]
Kwok

[11] **Patent Number: Des. 435,650**

[45] **Date of Patent: ** Dec. 26, 2000**

[54] **COMBINED NASAL MASK SHELL AND CUSHION**

[75] Inventor: **Philip R. Kwok**, West Pymble, Australia

[73] Assignee: **ResMed Limited**, North Ryde, Australia

[**] Term: **14 Years**

[21] Appl. No.: **29/075,798**

[22] Filed: **Aug. 25, 1997**

[30] **Foreign Application Priority Data**

Feb. 25, 1997 [AU] Australia 579/97

[51] **LOC (7) Cl.** **29-02**

[52] **U.S. Cl.** **D24/110.1; D24/110.4**

[58] **Field of Search** D24/110.1, 110.4, D24/110.5; 128/207.13, 207.12, 207.18, 206.28, 206.24, 206.26, 206.11, 206.12, 205.25, 206.21, 207.11, 207.17, 206.18

[56] **References Cited**

U.S. PATENT DOCUMENTS

- Re. 35,339 10/1996 Rapoport .
- D. 188,084 5/1960 Garelick .
- D. 231,803 6/1974 Huddy .
- D. 250,131 10/1978 Lewis et al. .
- D. 262,322 12/1981 Mizerak .

(List continued on next page.)

FOREIGN PATENT DOCUMENTS

- 91/77110 11/1991 Australia .
- 94/64816 12/1994 Australia .
- 95/16178 7/1995 Australia .
- 32914/95 2/1996 Australia .

(List continued on next page.)

OTHER PUBLICATIONS

Mask 1 Photographs, Respironics Inc., Reusable Full Mask (small) Part # 452033 Lot #951108.

Mask 2 Photographs, Puritan—Bennett, Adam Circuit, Shell Part # 231700, Swivel Part # 616329-00, Pillows (medium) Part #616324.

(List continued on next page.)

Primary Examiner—Ian Simmons
Attorney, Agent, or Firm—Pillsbury Madison & Sutro LLP

[57] **CLAIM**

The ornamental design for a combined nasal mask shell and cushion, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a combined nasal mask shell and cushion of the present invention.

FIG. 2 is a front view of a combined nasal mask shell and cushion of the present invention.

FIG. 3 is a right side view of a combined nasal mask shell and cushion of the present invention, the left side view being a mirror image thereto.

FIG. 4 is a top plan view of a combined nasal mask shell and cushion of the present invention.

FIG. 5 is a bottom plan view of a combined nasal mask shell and cushion of the present invention.

FIG. 6 is a rear view of a combined nasal mask shell and cushion of the present invention.

FIG. 7 is a perspective view of a second embodiment of a combined nasal mask shell and cushion of the present invention.

FIG. 8 is a front view of a second embodiment of a combined nasal mask shell and cushion of the present invention.

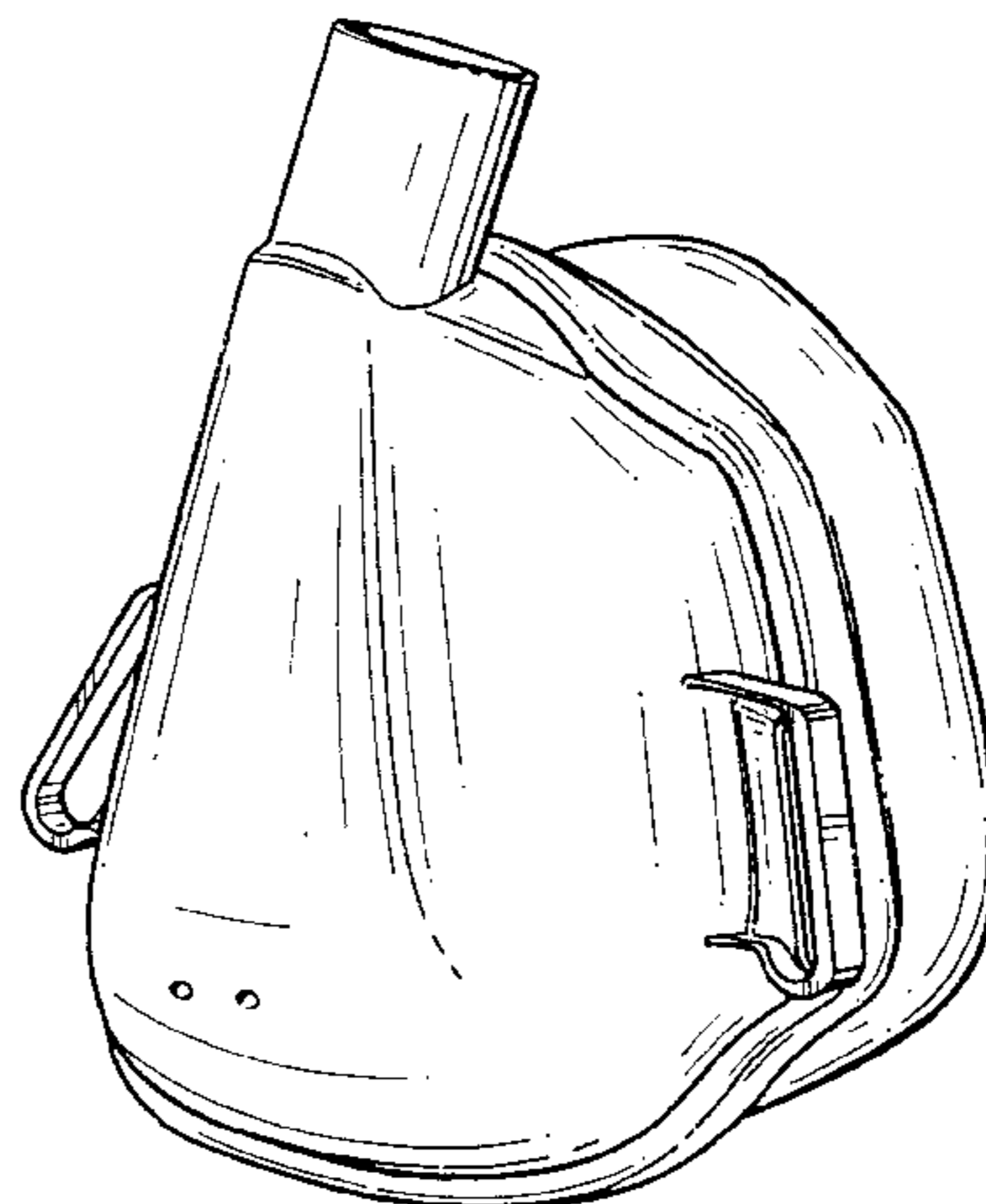
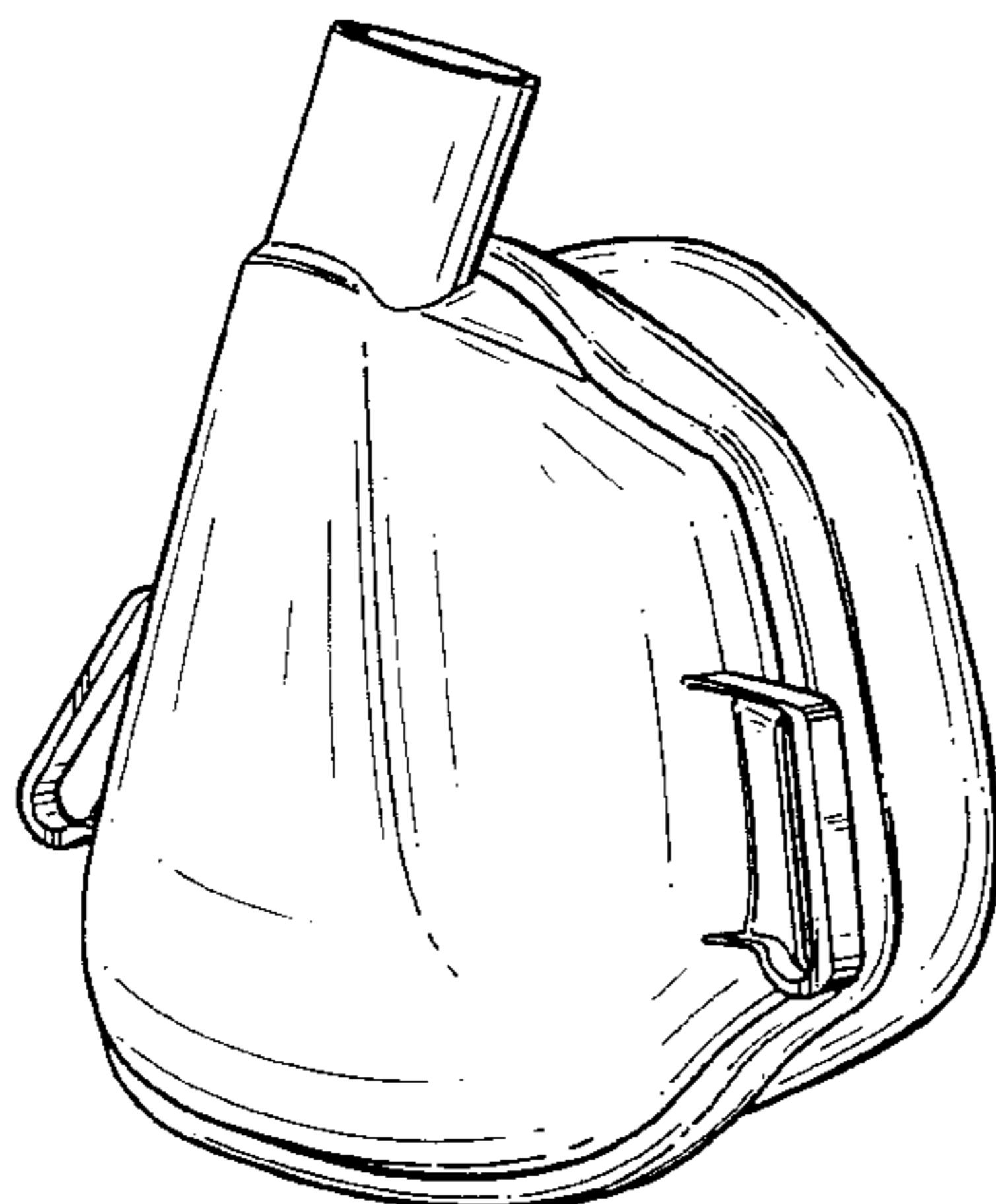
FIG. 9 is a right side view of a second embodiment of a combined nasal mask shell and cushion of the present invention, the left side view being a mirror image thereto.

FIG. 10 is a top plan view of a second embodiment of a combined nasal mask shell and cushion of the present invention.

FIG. 11 is a bottom plan view of a second embodiment of a combined nasal mask shell and cushion of the present invention; and,

FIG. 12 is a rear view of a second embodiment of a combined nasal mask shell and cushion of the present invention.

1 Claim, 4 Drawing Sheets



U.S. PATENT DOCUMENTS			FOREIGN PATENT DOCUMENTS		
			5,005,568	4/1991	Loescher et al. .
			5,005,571	4/1991	Dietz .
			5,038,776	8/1991	Harrison et al. .
			5,042,473	8/1991	Lewis .
			5,042,478	8/1991	Kopala et al. .
			5,046,200	9/1991	Feder .
			5,069,205	12/1991	Urso .
D. 293,613	1/1988	Wingler .	5,109,839	5/1992	Blasdell et al. .
D. 310,431	9/1990	Bellm .	5,109,840	5/1992	Daleiden .
D. 323,908	2/1992	Hollister et al. .	5,121,745	6/1992	Israel .
D. 334,633	4/1993	Rudolph .	5,133,347	7/1992	Huennebeck .
D. 362,061	9/1995	McGinnis et al. .	5,140,982	8/1992	Bauman .
D. 377,089	12/1996	Starr et al. .	5,159,938	11/1992	Laughlin .
781,516	1/1905	Guthrie .	5,233,978	8/1993	Callaway .
812,706	2/1906	Warbasse .	5,243,971	9/1993	Sullivan et al. .
1,081,745	12/1913	Johnston et al. .	5,265,595	11/1993	Rudolph .
1,192,186	7/1916	Greene .	5,279,289	1/1994	Kirk .
1,653,572	12/1927	Jackson .	5,311,862	5/1994	Blasdell et al. .
1,926,027	9/1933	Biggs .	5,343,878	9/1994	Scarberry et al. .
2,123,353	7/1938	Catt .	5,357,951	10/1994	Ratner .
2,248,477	7/1941	Lombard .	5,372,130	12/1994	Stern et al. .
2,254,854	9/1941	O'Connell .	5,419,318	5/1995	Tayebi .
2,317,608	4/1943	Heidbrink .	5,429,126	7/1995	Bracken .
2,371,965	3/1945	Lehmberg .	5,429,683	7/1995	Le Mitouard .
2,376,871	5/1945	Fink .	5,431,158	7/1995	Tirota .
2,415,846	2/1947	Randall .	5,438,981	8/1995	Starr et al. .
2,438,058	3/1948	Kincheloe .	5,441,046	8/1995	Starr et al. .
2,578,621	12/1951	Yant .	5,477,852	12/1995	Landis et al. .
2,931,356	4/1960	Schwarz .	5,488,948	2/1996	Dubruille et al. .
2,939,458	6/1960	Lundquist .	5,492,116	2/1996	Scarberry et al. .
3,013,556	12/1961	Galleher, Jr. .	5,501,214	3/1996	Sabo .
3,189,027	6/1965	Bartlett, Jr. .	5,517,986	5/1996	Starr et al. .
3,238,943	3/1966	Holley .	5,538,000	7/1996	Rudolph .
3,315,674	4/1967	Bloom et al. .	5,540,223	7/1996	Starr et al. .
3,330,273	7/1967	Bennett .	5,542,128	8/1996	Lomas .
3,362,420	1/1968	Blackburn et al. .	5,560,354	10/1996	Berthon-Jones et al. .
3,363,833	1/1968	Laerdal .	5,570,682	11/1996	Johnson .
3,556,122	1/1971	Laerdal .	5,570,689	11/1996	Starr et al. .
3,580,051	5/1971	Blevins .	5,592,938	1/1997	Scarberry et al. .
3,700,000	10/1972	Hesse et al. .	5,647,355	7/1997	Starr et al. .
3,796,216	3/1974	Schwarz .	5,647,357	7/1997	Barnett et al. .
3,799,164	3/1974	Rollins .	5,649,532	7/1997	Oren .
4,077,404	3/1978	Elam .	5,649,533	7/1997	Griffiths .
4,167,185	9/1979	Lewis .	5,655,527	8/1997	Scarberry et al. .
4,226,234	10/1980	Gunderson .	5,657,493	8/1997	Ferrero et al. .
4,245,632	1/1981	Houston .	5,657,752	8/1997	Landis et al. .
4,304,229	12/1981	Curtin .	5,662,101	9/1997	Ogden et al. .
4,328,797	5/1982	Rollins et al. .	5,666,946	9/1997	Langenback .
4,347,205	8/1982	Stewart .	5,685,296	11/1997	Zdrojkowski et al. .
4,354,488	10/1982	Bartos .	5,687,715	11/1997	Landis et al. .
4,402,316	9/1983	Gadberry .	5,715,814	2/1998	Ebers .
4,412,537	11/1983	Tiger .	5,746,201	5/1998	Kidd .
4,467,799	8/1984	Steinberg .	5,813,423	9/1998	Kirchgeorg .
4,522,639	6/1985	Ansight et al. .	5,832,918	11/1998	Pantino .
4,616,647	10/1986	McCreadie .			
4,622,964	11/1986	Flynn .			
4,655,213	4/1987	Rapoport et al. .			
4,665,570	5/1987	Davis .			
4,671,271	6/1987	Bishop et al. .			
4,677,977	7/1987	Wilcox .			
4,739,755	4/1988	White et al. .			
4,770,169	9/1988	Schmoegner et al. .	9459430	2/1996	Australia .
4,774,941	10/1988	Cook .	41018/97	4/1998	Australia .
4,782,832	11/1988	Trimble et al. .	89312/98	1/1999	Australia .
4,799,477	1/1989	Lewis .	1039144	9/1978	Canada .
4,809,692	3/1989	Nowacki et al. .	0 054 154	10/1981	European Pat. Off. .
4,821,713	4/1989	Bauman .	0 252 052 A1	1/1988	European Pat. Off. .
4,841,953	6/1989	Dodrill .	0 264 772 A1	4/1988	European Pat. Off. .
4,848,334	7/1989	Bellm .	0 386 605 A1	2/1990	European Pat. Off. .
4,848,366	7/1989	Aita et al. .	0427474 A2	5/1991	European Pat. Off. .
4,907,584	3/1990	McGinnis .	0 462 701 A1	12/1991	European Pat. Off. .
4,910,806	3/1990	Baker et al. .	0 602 424	11/1993	European Pat. Off. .
4,919,128	4/1990	Kopala et al. .	0 608 684 A1	8/1994	European Pat. Off. .
4,944,310	7/1990	Sullivan .	0 697 225	7/1995	European Pat. Off. .
4,971,051	11/1990	Toffolon .	178 925 A2	4/1996	European Pat. Off. .
4,986,269	1/1991	Hakkinen .	0 747 078 A2	12/1996	European Pat. Off. .
4,989,599	2/1991	Carter .	0 821 978	2/1998	European Pat. Off. .

2 574 657 A1 6/1986 France .
 2 658 725 A1 8/1991 France .
 2 749 176 12/1997 France .
 459104 4/1928 Germany .
 701 690 1/1941 Germany .
 159396 6/1981 Germany .
 3015279 A1 10/1981 Germany .
 3345067 A1 6/1984 Germany .
 3537507 A1 4/1987 Germany .
 3539073 A1 5/1987 Germany .
 4004157 C1 4/1991 Germany .
 4343205 A1 6/1995 Germany .
 197 35 359 1/1998 Germany .
 297 23 101 U 7/1998 Germany .
 298 10846 U1 8/1998 Germany .
 09/21640 8/1997 Japan .
 1395391 5/1975 United Kingdom .
 1 467 828 3/1977 United Kingdom .
 2145335 3/1985 United Kingdom .
 2147506 5/1985 United Kingdom .
 2 164 569A 3/1986 United Kingdom .
 2 267 648 12/1993 United Kingdom .
 WO 80/01044 5/1980 WIPO .
 WO 82/03548 10/1982 WIPO .
 WO 86/06969 12/1986 WIPO .
 WO 87/01950 4/1987 WIPO .
 WO 91/03277 3/1991 WIPO .
 WO 92/15353 9/1992 WIPO .
 WO 92/20395 11/1992 WIPO .
 WO 93/01854 2/1993 WIPO .
 WO 94/02190 2/1994 WIPO .
 WO 94/16759 8/1994 WIPO .
 WO 94/20051 9/1994 WIPO .
 WO 95/02428 1/1995 WIPO .
 WO 96/17643 6/1996 WIPO .
 WO 96/25983 8/1996 WIPO .
 WO 96/39206 12/1996 WIPO .
 WO 97/07847 3/1997 WIPO .

WO97/41911 11/1997 WIPO .
 WO 98/04310 2/1998 WIPO .
 WO 98/11930 3/1998 WIPO .
 WO 98/18514 5/1998 WIPO .
 WO 98/24499 6/1998 WIPO .
 WO 98/26829 6/1998 WIPO .
 WO 98/26830 6/1998 WIPO .
 WO 98/48878 11/1998 WIPO .

OTHER PUBLICATIONS

Mask 3, Photographs, DeVilbiss Healthcare Inc., DeVilbiss Seal-Ring and CPAP Mask Kit (medium), Part 73510-669.
 Mask 4 Photographs, Respiroics Inc., Monarch Mini Mask with Pressure Port. Part # 572004, Monarch Headgear, Part # 572011.
 Mask 5 Photographs, Healthdyne Technologies, Nasal CPAP Mask (medium narrow), Part # 702510.
 Mask 6 Photographs, Healthdyne Technologies, Soft Series Nasal CPAP Mask, Part # 702020.
 Mask 7 Photographs, DeVilbiss Healthcare Inc., Small Mask and Seal Rings, Part # 73510-668.
 Mask 8 Photographs, Respiroics Inc., Reusable Contour Mask (medium), Part # 302180.
 Mask 9 Photographs, Healthdyne Technologies, Healthdyne Large Headgear.
 Mask 10 Photographs, Respiroics Inc., Soft Cap (medium), Part # 302142.
 Mask 11 Photographs, Weinmann: Hamburg, Nasalmaskensystem mit Schalldämpfer (medium), Part # WN 23105.
 Mask 12 Photographs, Life Care.
 Mask 13 Photographs, Healthdyne Technologies.
 Mask 14 Photograph, King System.
 Mask 15 Photographs, Respiroics Inc., Paediatric Mask.
 Mask 16 Photographs, Hans Rudolph Inc., Hans Rudolph Silicone Rubber Face Mask/8900.

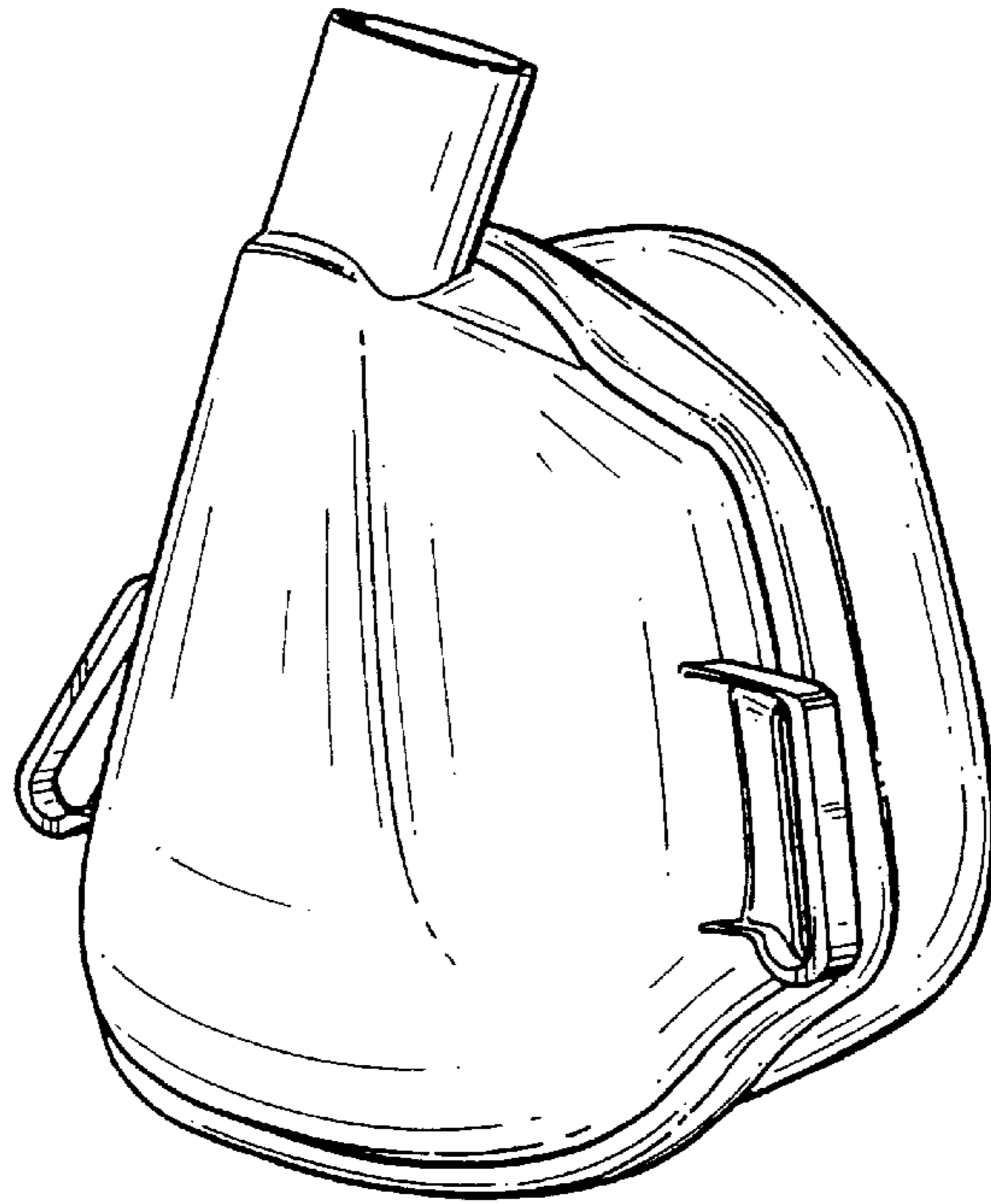


Fig. 1

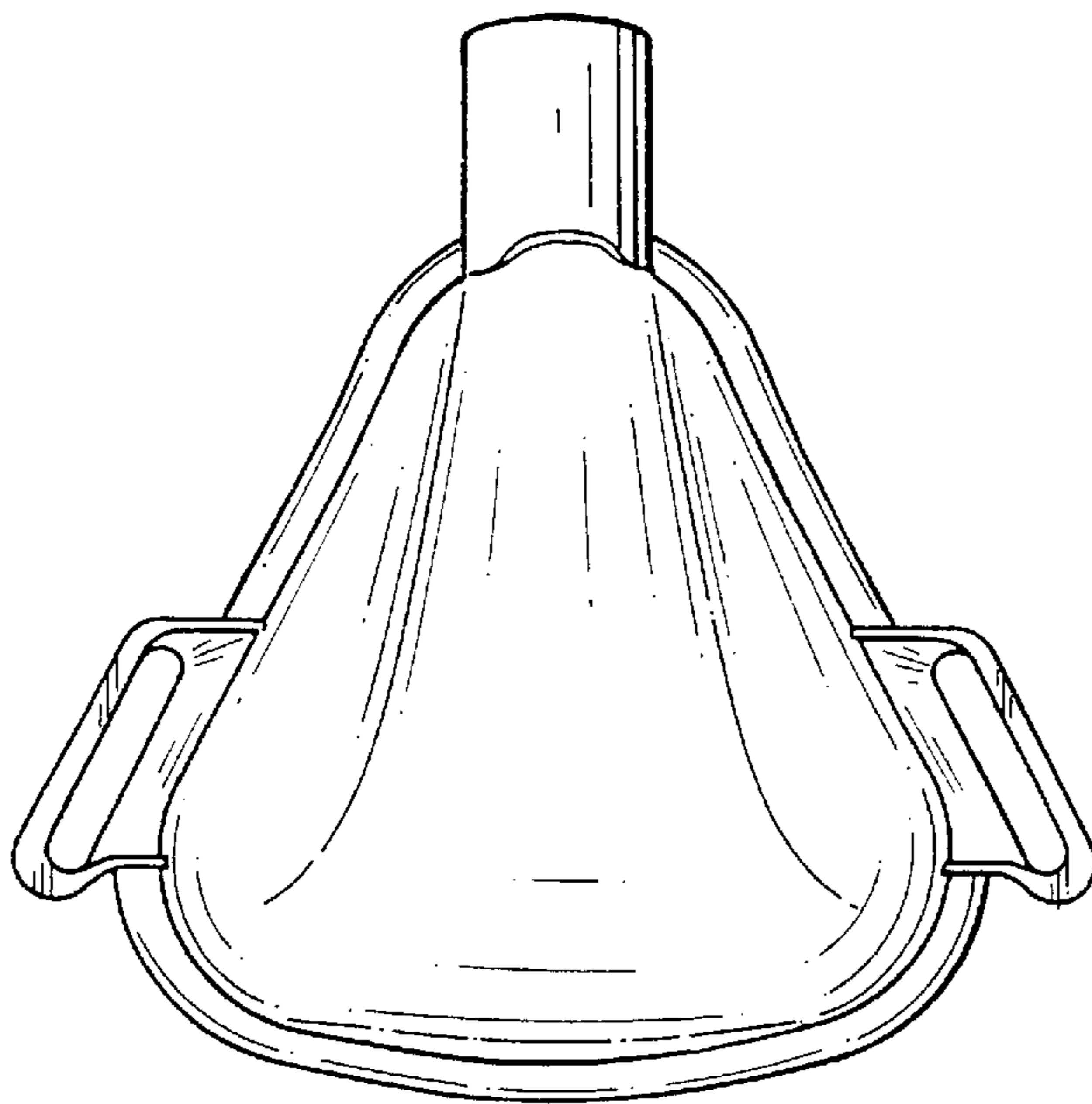


Fig. 2

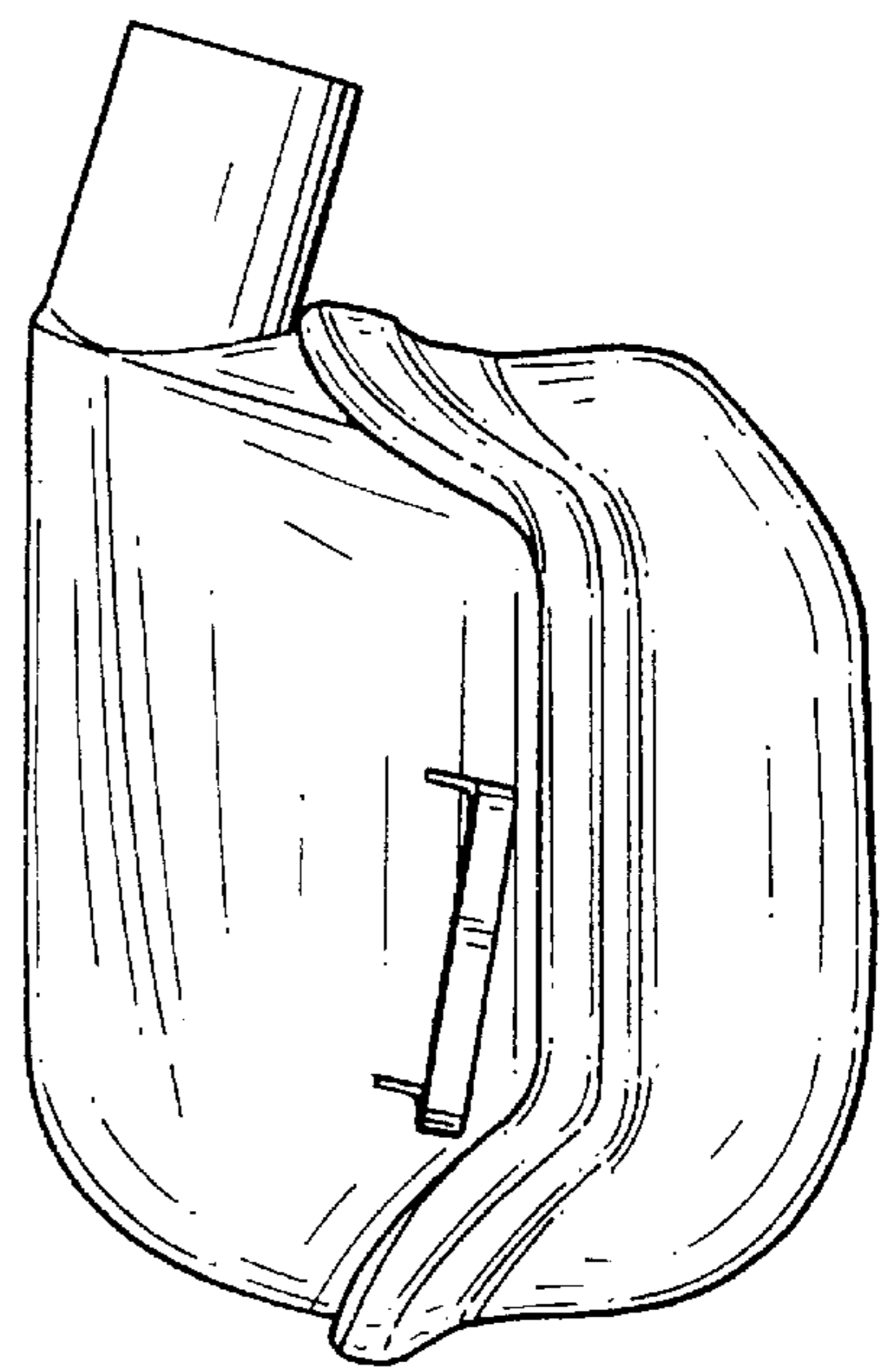


Fig. 3

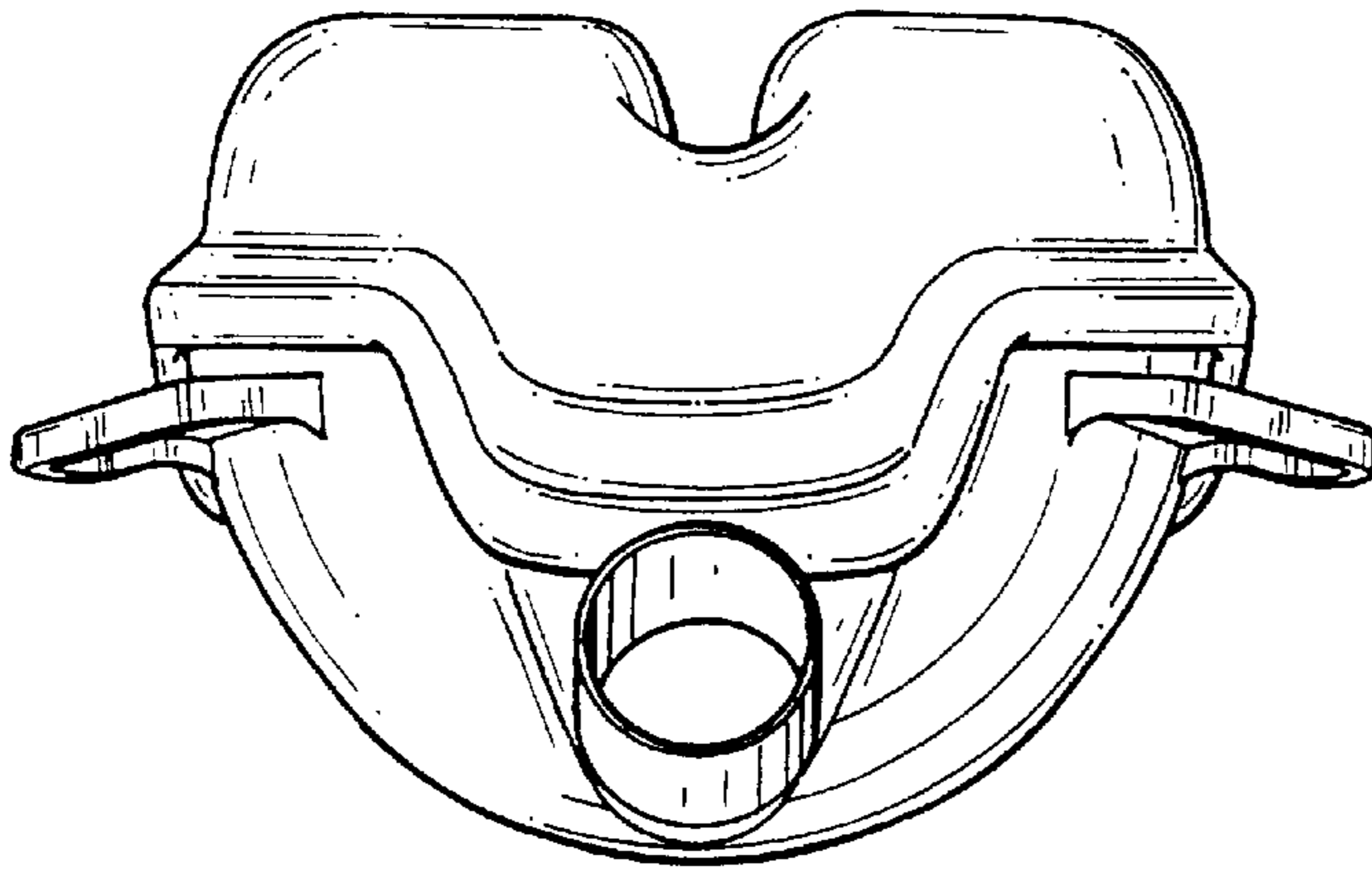


Fig. 4

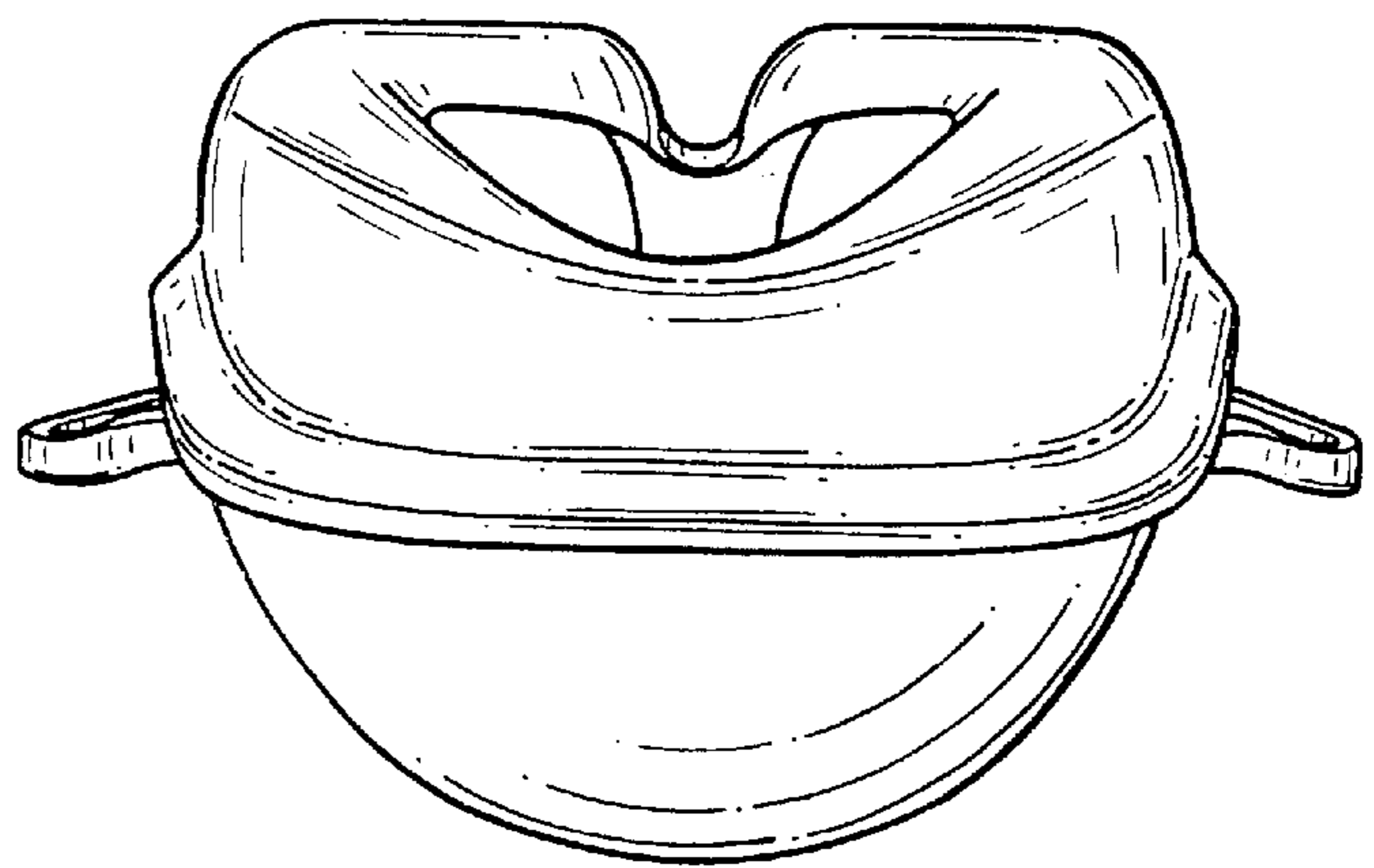


Fig. 5

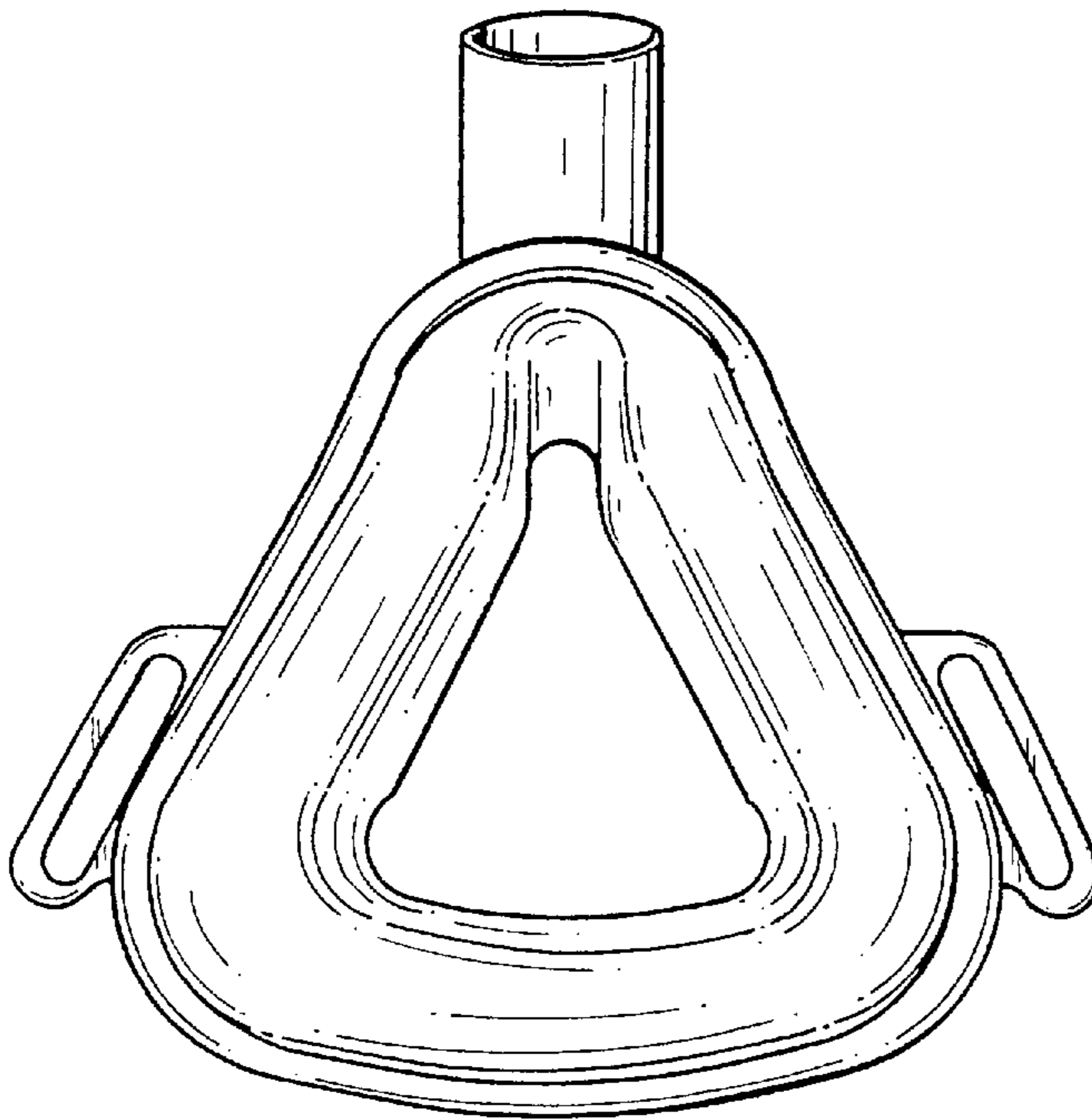


Fig. 6

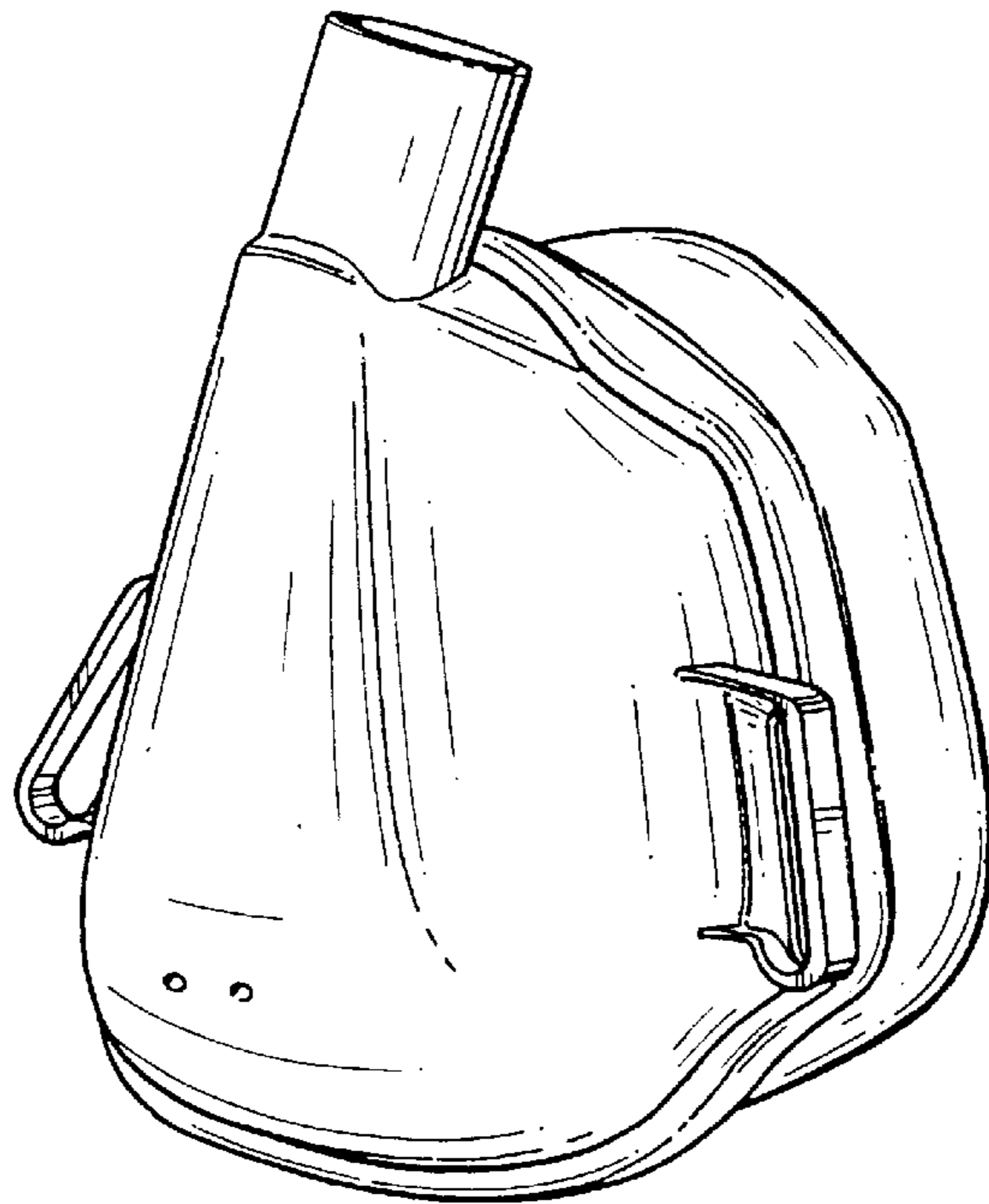


Fig. 7

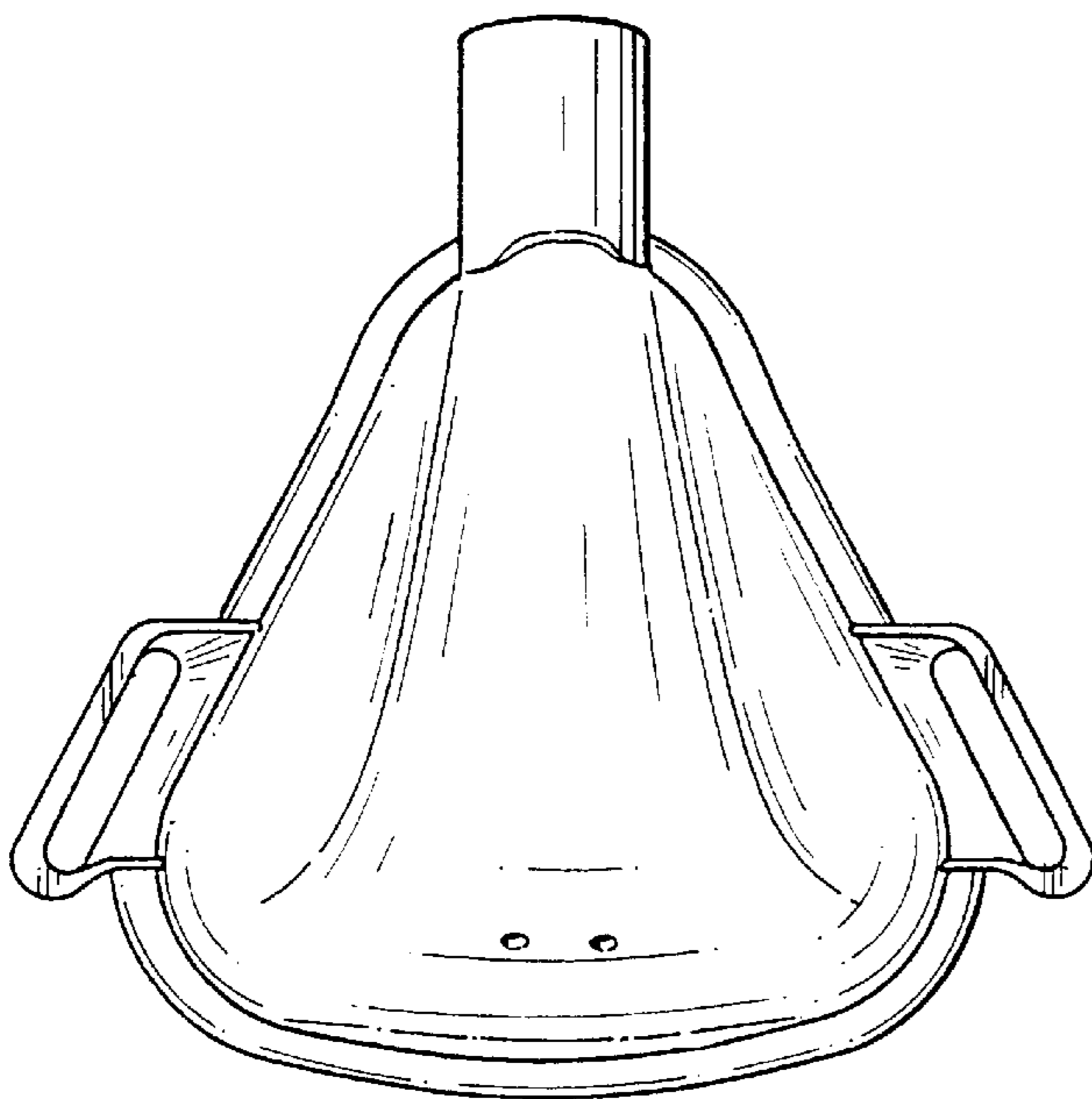


Fig. 8

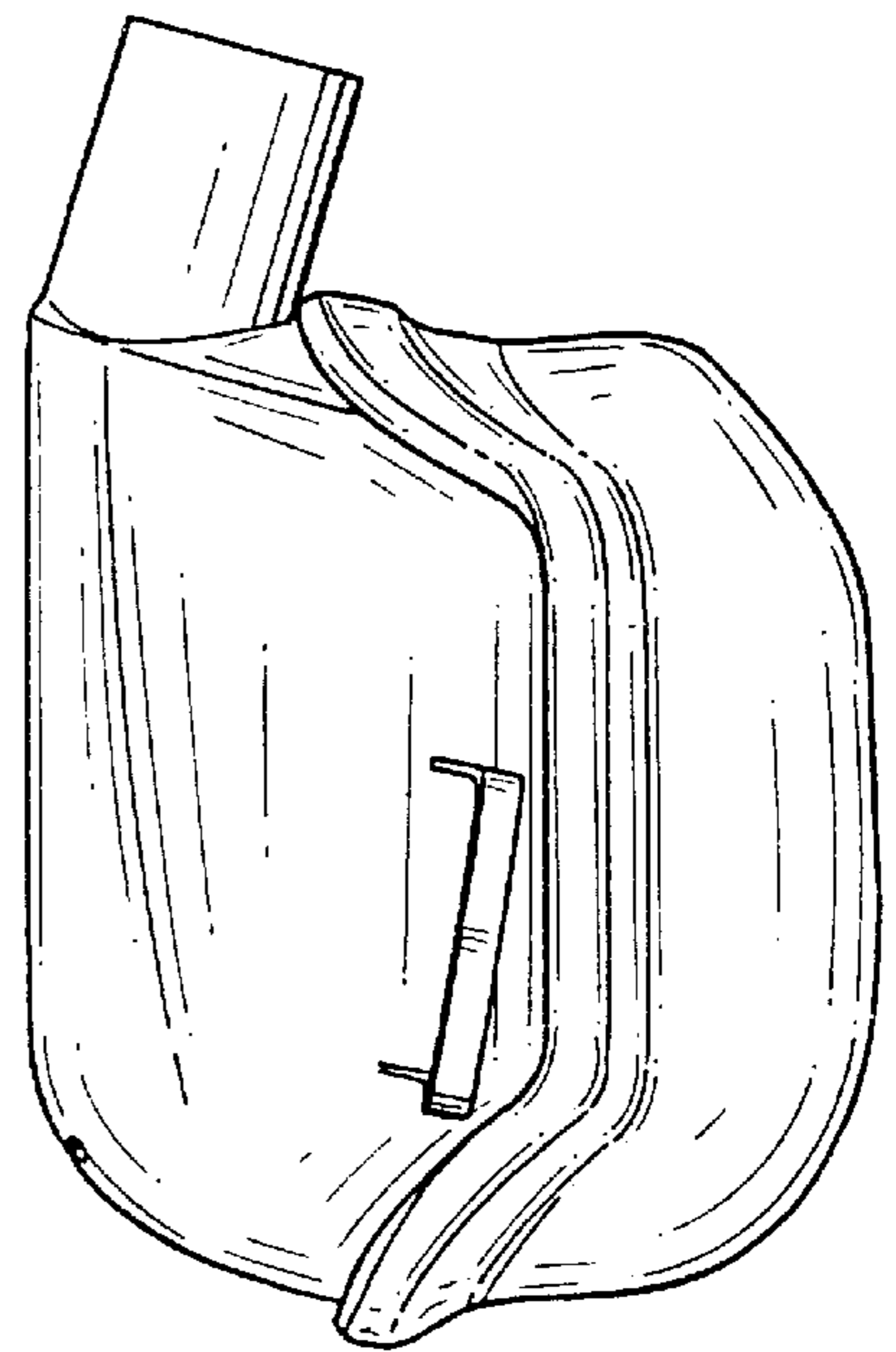


Fig. 9

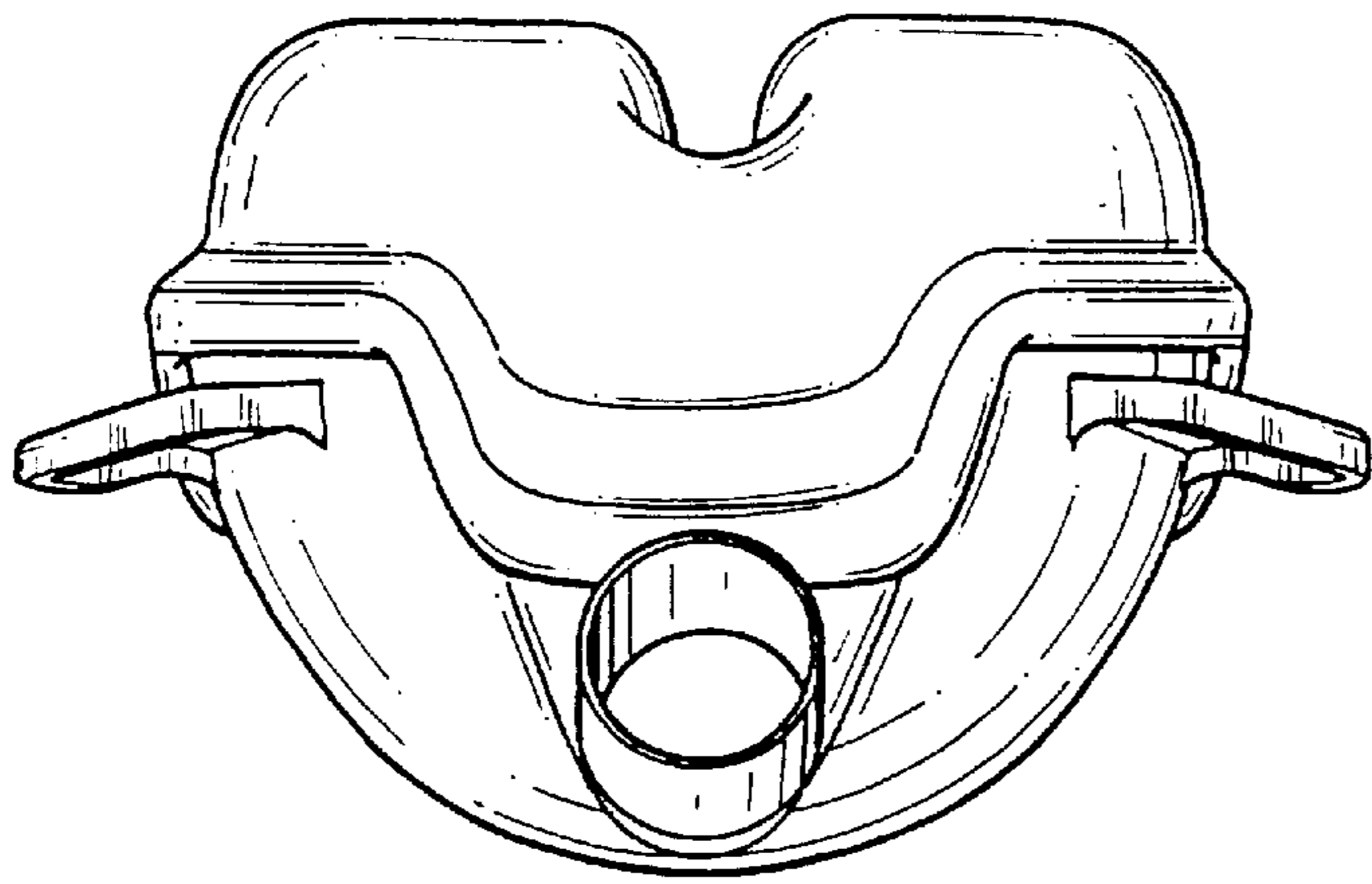


Fig. 10

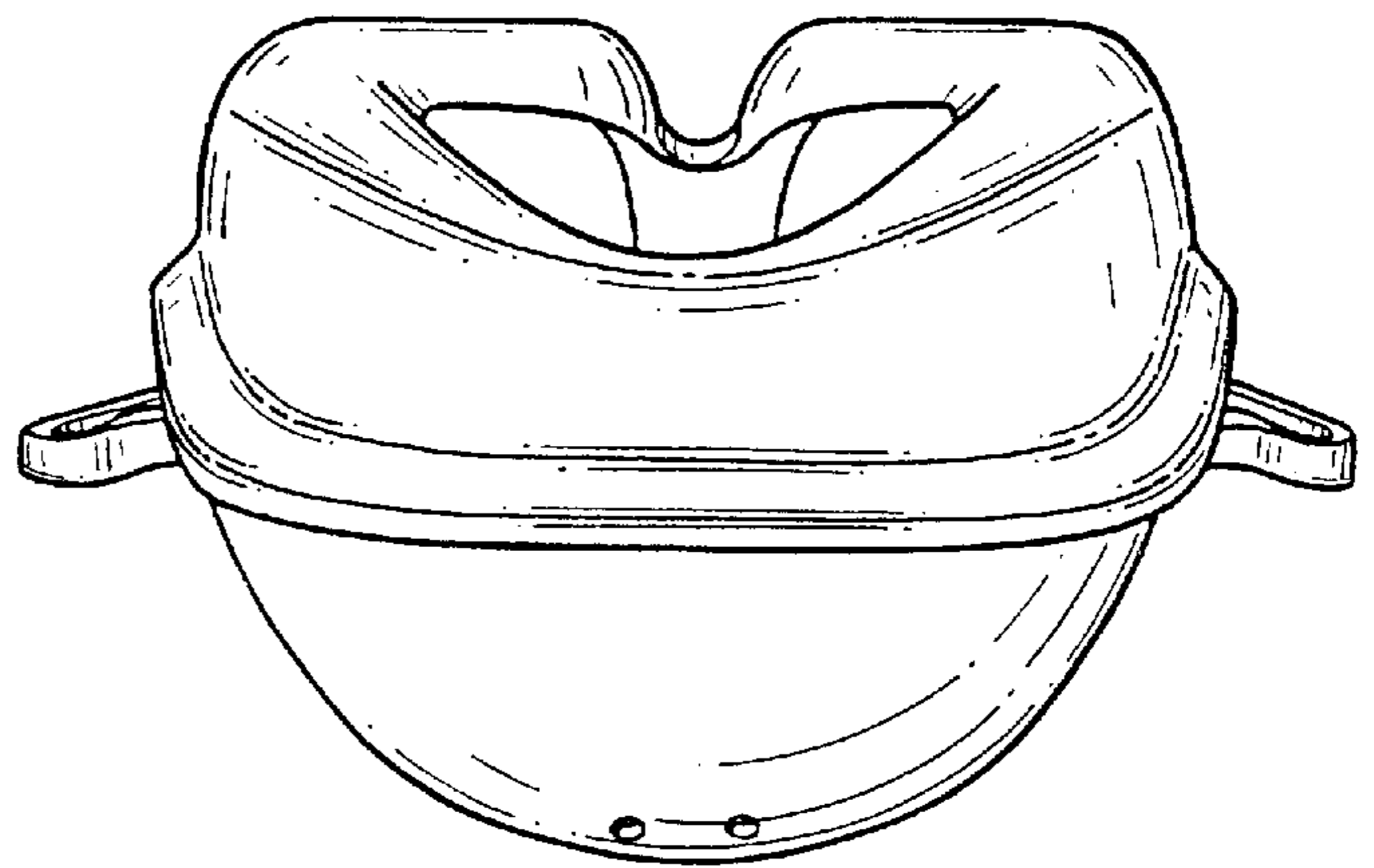


Fig. 11

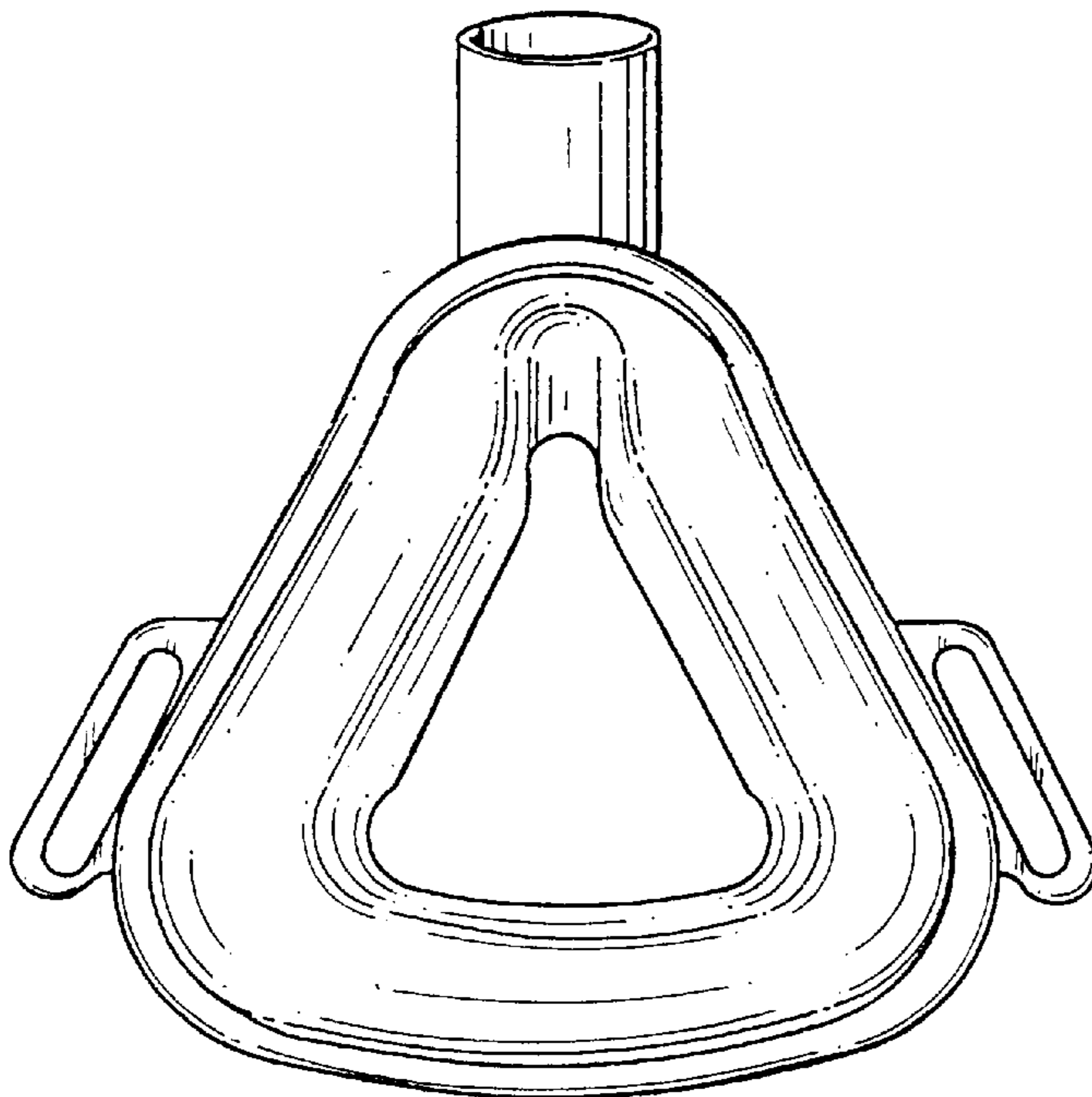


Fig. 12