



US00D722688S

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

(10) **Patent No.:** **US D722,688 S**

(45) **Date of Patent:** **** Feb. 17, 2015**

(54) **MOUTHPIECE FOR BREATH TESTING**

(71) Applicant: **QuinTron Instrument Company, Inc.**,
Milwaukee, WI (US)

(72) Inventor: **Eric Lyle Hamilton**, South Milwaukee,
WI (US)

(73) Assignee: **QuinTron Instrument Company, Inc.**,
Milwaukee, WI (US)

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

(21) Appl. No.: **29/460,968**

(22) Filed: **Jul. 17, 2013**

(51) **LOC (10) Cl.** **29-02**

(52) **U.S. Cl.**
USPC **D24/110; D24/110.5**

(58) **Field of Classification Search**
USPC D24/107, 110, 110.1, 110.5, 110.6, 127,
D24/129; 128/200.11, 200.14, 200.21,
128/200.24, 200.25, 202.27, 203.12,
128/204.18, 205.24, 205.25, 206.12,
128/206.15, 206.26, 207.12

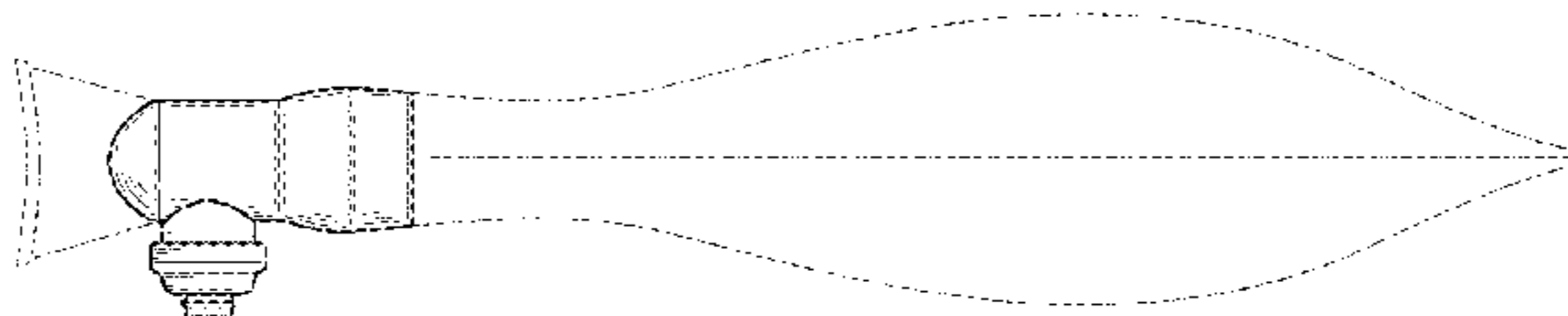
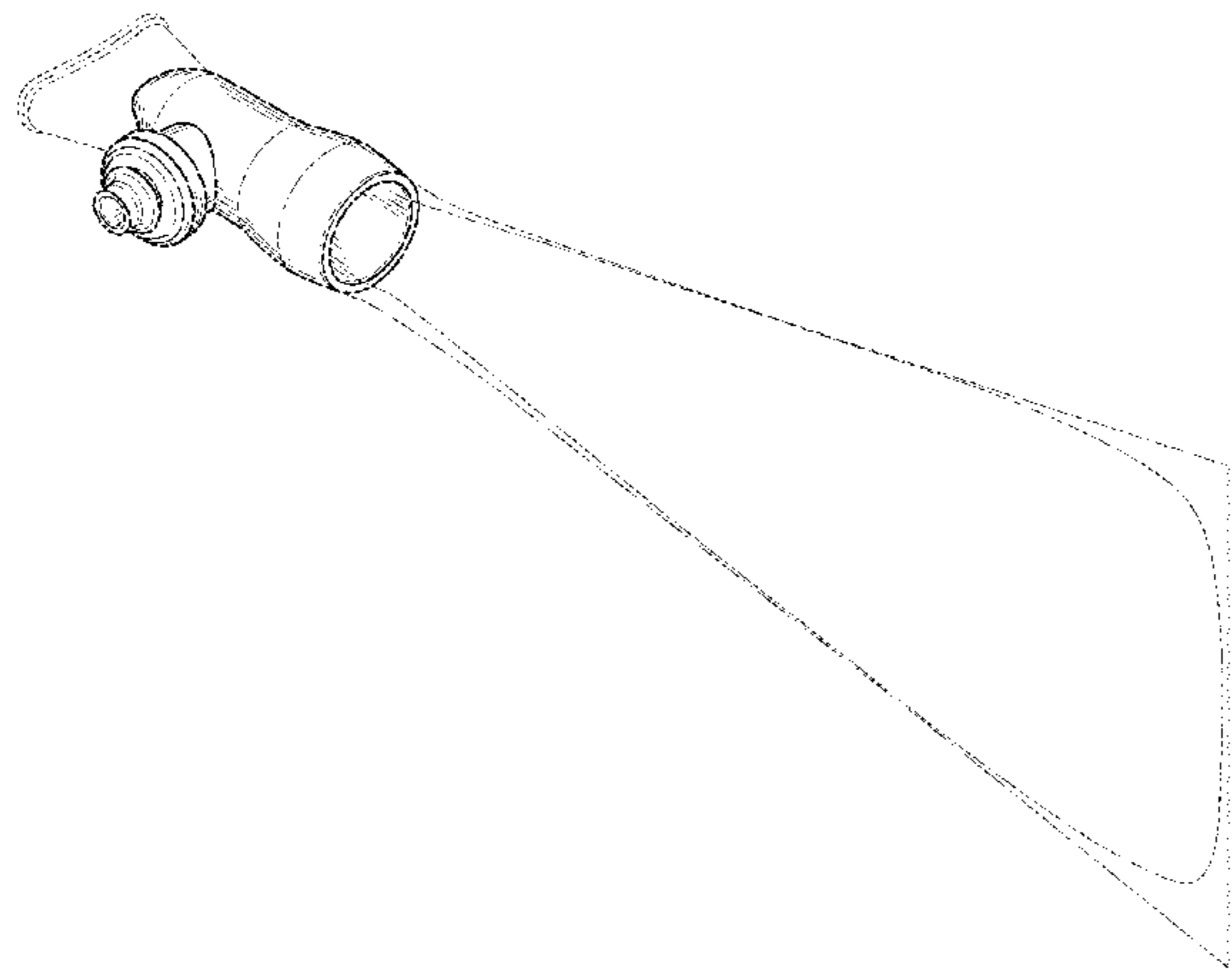
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

1,191,700 A	7/1916	Howes
1,467,615 A	9/1923	Fairbanks
2,795,223 A	6/1957	Stampe
2,893,683 A	7/1959	Lane
3,303,840 A	2/1967	Etzlinger
3,388,705 A	6/1968	Grosshandler
3,410,300 A	11/1968	Mondano
3,426,745 A	2/1969	Farr
3,544,273 A	12/1970	McConnaughey
3,602,531 A	8/1971	Patry
3,734,692 A	5/1973	Lucker et al.
3,777,571 A	12/1973	Jaeger
3,817,108 A	6/1974	Principe et al.
3,858,573 A	1/1975	Ryan et al.
3,923,043 A	12/1975	Yanda
3,924,832 A	12/1975	Babcock
4,076,044 A	2/1978	Schindling

4,161,307 A	7/1979	Clinch et al.
4,327,741 A	5/1982	Watson et al.
D266,695 S *	10/1982	Trammll et al. D24/110
4,470,412 A	9/1984	Nowacki et al.
4,506,665 A	3/1985	Andrews et al.
D280,765 S *	9/1985	Alvino D24/110
4,544,273 A	10/1985	Berndt
4,579,826 A	4/1986	Bolton et al.
4,580,556 A	4/1986	Kondur
4,585,254 A	4/1986	Adams
D283,914 S *	5/1986	Garner D24/110
4,587,989 A	5/1986	Mayhew, Jr.
4,646,786 A	3/1987	Herder et al.
4,671,298 A	6/1987	Babb et al.
D294,298 S *	2/1988	Bush D24/110
4,809,692 A	3/1989	Nowacki et al.
4,821,737 A	4/1989	Nelson
4,827,921 A	5/1989	Rugheimer
4,832,015 A	5/1989	Nowacki et al.
4,852,563 A	8/1989	Gross
4,852,583 A	8/1989	Walker
D307,183 S *	4/1990	Kalayjian D24/110
4,919,127 A	4/1990	Pell
4,938,210 A	7/1990	Shene
4,947,861 A	8/1990	Hamilton
4,953,547 A	9/1990	Poole, Jr.
5,012,803 A	5/1991	Foley et al.
5,012,804 A	5/1991	Foley et al.
5,042,500 A	8/1991	Norlien et al.
5,042,501 A	8/1991	Kenny et al.
5,062,423 A	11/1991	Matson et al.
5,066,597 A	11/1991	Stinson et al.
5,100,005 A	3/1992	Noble et al.
D327,338 S *	6/1992	Wallace D24/110.5
5,137,520 A	8/1992	Maxson et al.
5,140,993 A	8/1992	Opekun, Jr. et al.
5,165,393 A	11/1992	Kawaguchi
5,327,901 A	7/1994	Delente
5,346,089 A	9/1994	Brown et al.
5,432,094 A	7/1995	Delente
5,467,776 A	11/1995	Hamilton
5,711,306 A	1/1998	Guilluy
6,019,122 A	2/2000	Chen
6,468,477 B1	10/2002	Hamilton et al.
6,495,102 B1	12/2002	Suslick et al.
D691,717 S *	10/2013	McLean et al. D24/129
D714,435 S *	9/2014	Maguire D24/110
2004/0157281 A1	8/2004	Hulkower
2012/0226183 A1 *	9/2012	Christman et al. 600/543



FOREIGN PATENT DOCUMENTS

DE	4028387	3/1992
FR	1294835	4/1962
FR	2497686	7/1982
GB	2230456	10/1990
WO	WO 9311817	6/1993

OTHER PUBLICATIONS

Rakow, N. A.; Suslick, K. S. "A Colorimetric Sensor Array for Odour Visualization" *Nature*, vol. 406, Aug. 17, 2000, 4 pages.

Webpage: www.chemsensing.com/hepatotoxicity.html—ChemSensing, Hepatotoxicity, Dec. 29, 2004, 2 pages.

Webpage: www.chemsensing.com/elisa.html—ChernSensing, ELISA, Dec. 29, 2004, 1 page.

* cited by examiner

Primary Examiner — Deanna L Pratt

Assistant Examiner — Lilyana Bekic

(74) *Attorney, Agent, or Firm* — Ryan Kromholz & Manion, S.C.

(57) CLAIM

I claim the ornamental design for a mouthpiece for breath testing, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of a mouthpiece for breath testing showing an attached breath discard bag;

FIG. 2 is a first side view of a mouthpiece for breath testing showing an attached breath discard bag;

FIG. 3 is a second side view of a mouthpiece for breath testing showing an attached breath discard bag;

FIG. 4 is a top view of a mouthpiece for breath testing showing an attached breath discard bag;

FIG. 5 is a bottom view of a mouthpiece for breath testing showing an attached breath discard bag;

FIG. 6 is a front view of a mouthpiece for breath testing showing an attached breath discard bag;

FIG. 7 is a rear view of a mouthpiece for breath testing showing an attached breath discard bag;

FIG. 8 is a front perspective view of a mouthpiece for breath testing showing an attached breath discard bag and an attached discharge tube;

FIG. 9 is a first side view of a mouthpiece for breath testing showing an attached breath discard bag and an attached discharge tube;

FIG. 10 is a second side view of a mouthpiece for breath testing showing an attached breath discard bag and an attached discharge tube;

FIG. 11 is a top view of a mouthpiece for breath testing showing an attached breath discard bag and an attached discharge tube;

FIG. 12 is a bottom view of a mouthpiece for breath testing showing an attached breath discard bag and an attached discharge tube;

FIG. 13 is a front view of a mouthpiece for breath testing showing an attached breath discard bag and an attached discharge tube;

FIG. 14 is a rear view of a mouthpiece for breath testing showing an attached breath discard bag and an attached discharge tube;

FIG. 15 is a front perspective view of a mouthpiece for breath testing showing an attached breath discard bag and attached sample collection tube;

FIG. 16 is a first side view of a mouthpiece for breath testing showing an attached breath discard bag and an attached sample collection tube;

FIG. 17 is a second side view of a mouthpiece for breath testing showing an attached breath discard bag and an attached sample collection tube;

FIG. 18 is a top view of a mouthpiece for breath testing showing an attached breath discard bag and an attached sample collection tube;

FIG. 19 is a bottom view of a mouthpiece for breath testing showing an attached breath discard bag and an attached sample collection tube;

FIG. 20 is a front view of a mouthpiece for breath testing showing an attached breath discard bag and an attached sample collection tube;

FIG. 21 is a rear view of a mouthpiece for breath testing showing an attached breath discard bag and an attached sample collection tube;

FIG. 22 is a front perspective view of a mouthpiece for breath testing showing an attached breath discard bag and an attached sample collection syringe;

FIG. 23 is a first side view of a mouthpiece for breath testing showing an attached breath discard bag and an attached sample collection syringe;

FIG. 24 is a second side view of a mouthpiece for breath testing showing an attached breath discard bag and an attached sample collection syringe;

FIG. 25 is a top view of a mouthpiece for breath testing showing an attached breath discard bag and an attached sample collection syringe;

FIG. 26 is a bottom view of a mouthpiece for breath testing showing an attached breath discard bag and an attached sample collection syringe;

FIG. 27 is a front view of a mouthpiece for breath testing showing an attached breath discard bag and an attached sample collection syringe;

FIG. 28 is a rear view of a mouthpiece for breath testing showing an attached breath discard bag and an attached sample collection syringe;

FIG. 29 is a front perspective view of a mouthpiece for breath testing showing an attached breath discard bag and an attached sample collection tube and sample collection bag;

FIG. 30 is a first side view of a mouthpiece for breath testing showing an attached breath discard bag and an attached sample collection tube and sample collection bag;

FIG. 31 is a second side view of a mouthpiece for breath testing showing an attached breath discard bag and an attached sample collection tube and sample collection bag;

FIG. 32 is a top view of a mouthpiece for breath testing showing an attached breath discard bag and an attached sample collection tube and sample collection bag;

FIG. 33 is a bottom view of a mouthpiece for breath testing showing an attached breath discard bag and an attached sample collection tube and sample collection bag;

FIG. 34 is a front view of a mouthpiece for breath testing showing an attached breath discard bag and an attached sample collection tube and sample collection bag; and,

FIG. 35 is a rear view of a mouthpiece for breath testing showing an attached breath discard bag and an attached sample collection tube and sample collection bag.

The broken line showing of the breath discard bag in FIGS. 1-35, the attached discharge tube in FIGS. 8-14, the attached sample collection tube in FIGS. 15-21, the attached sample collection syringe in FIGS. 22-28, and the attached sample collection tube and sample collection bag in FIGS. 29-35 illustrate the environment of the claimed design and form no part thereof. All other broken lines illustrate portions of the mouthpiece for breath testing that form no part of the claimed design.

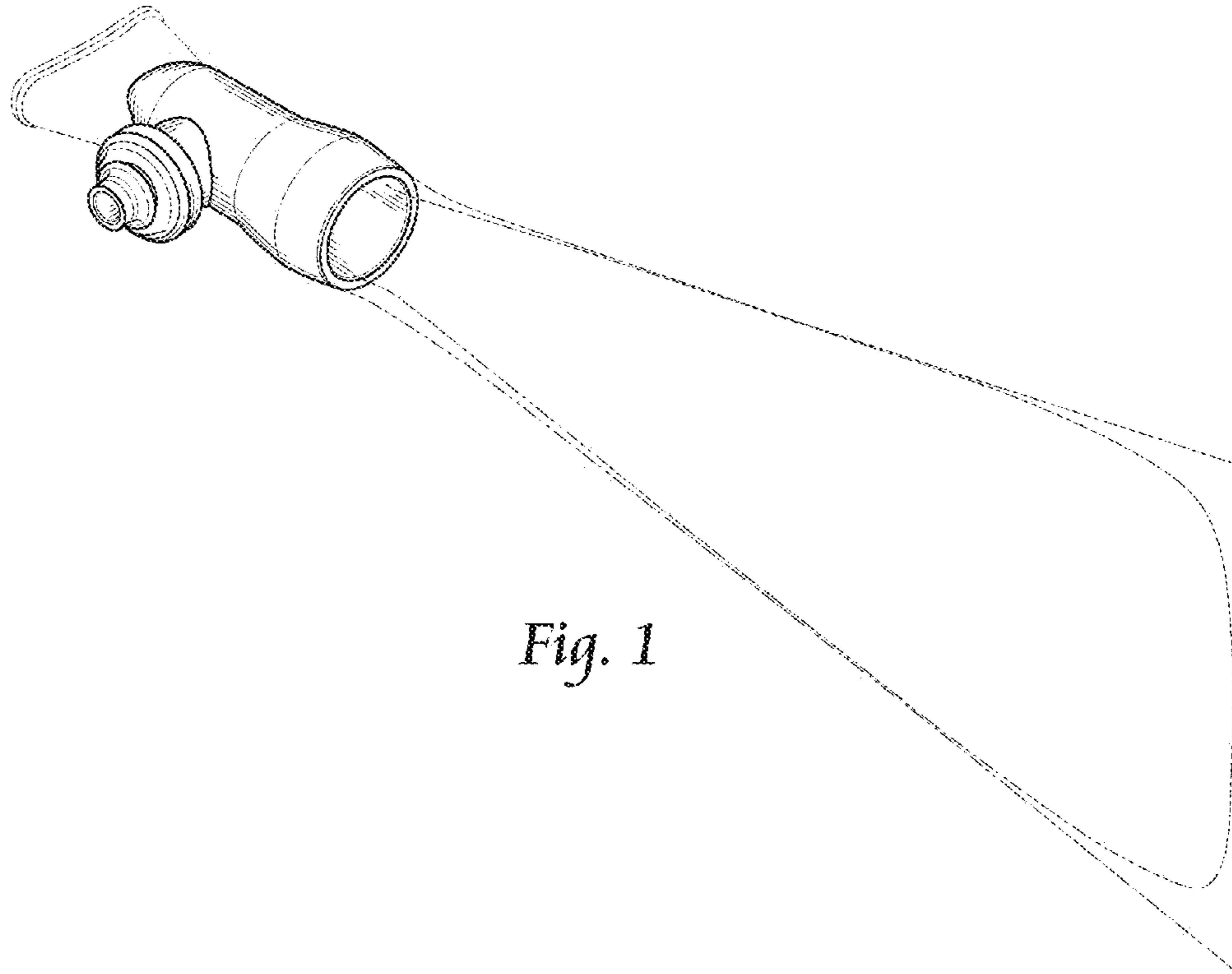


Fig. 1

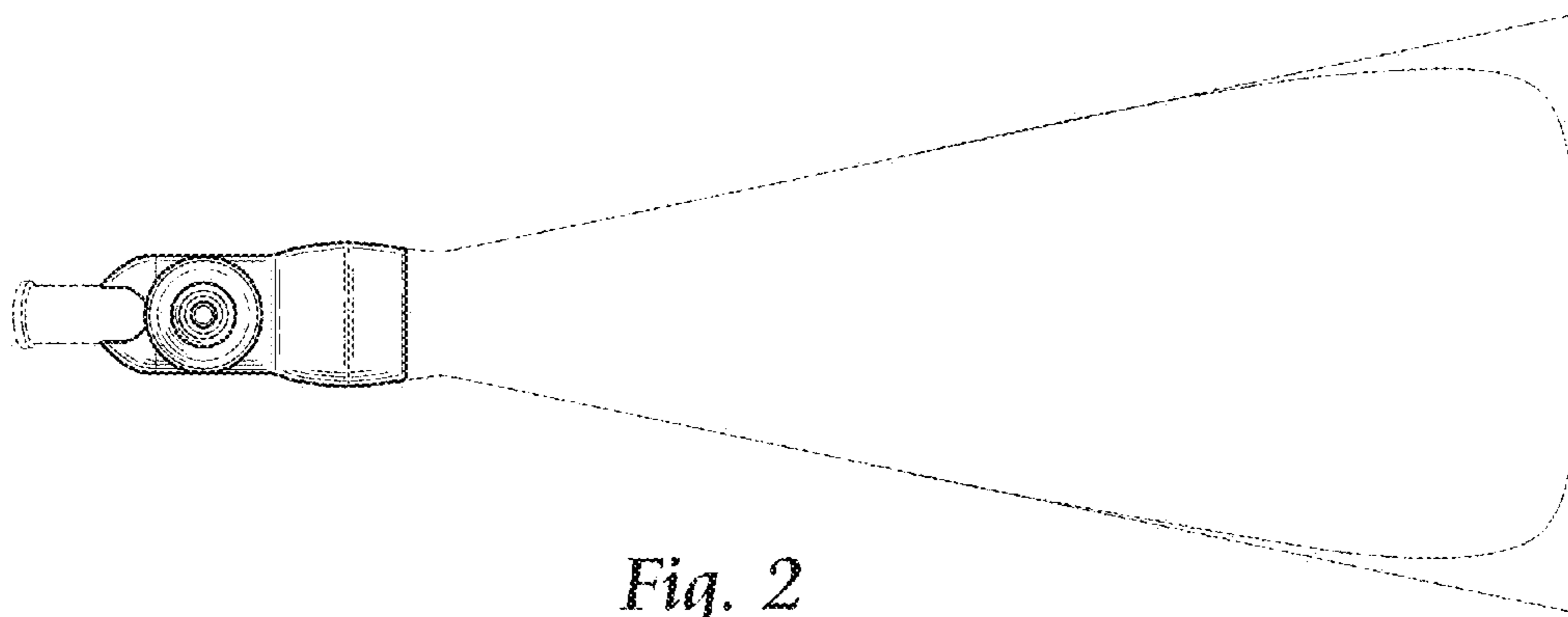


Fig. 2

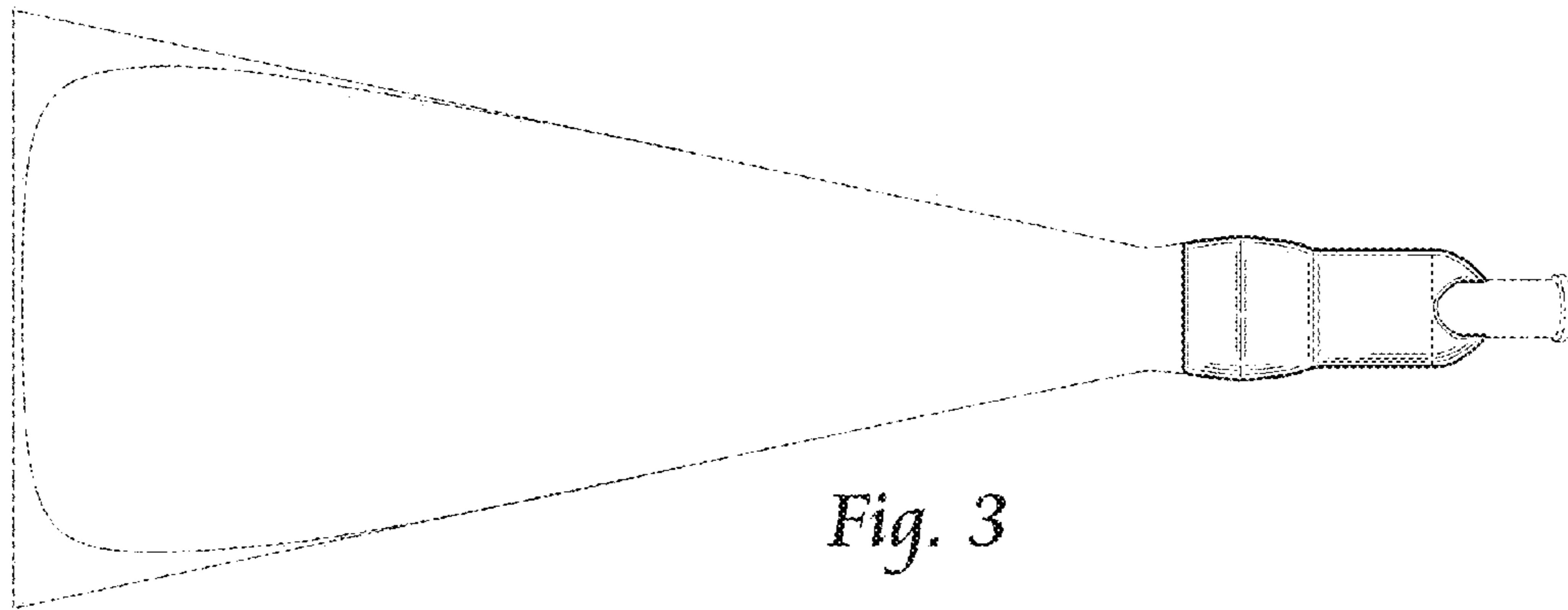


Fig. 3

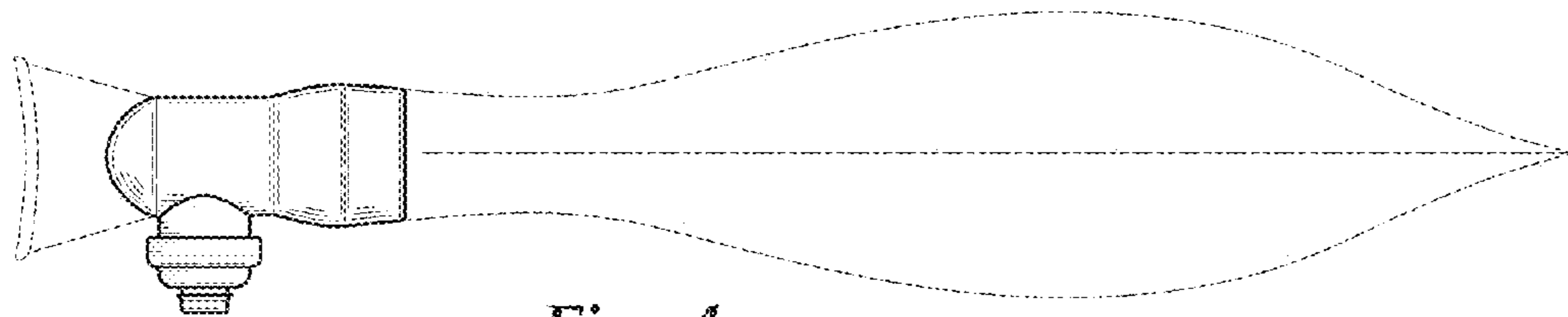


Fig. 4

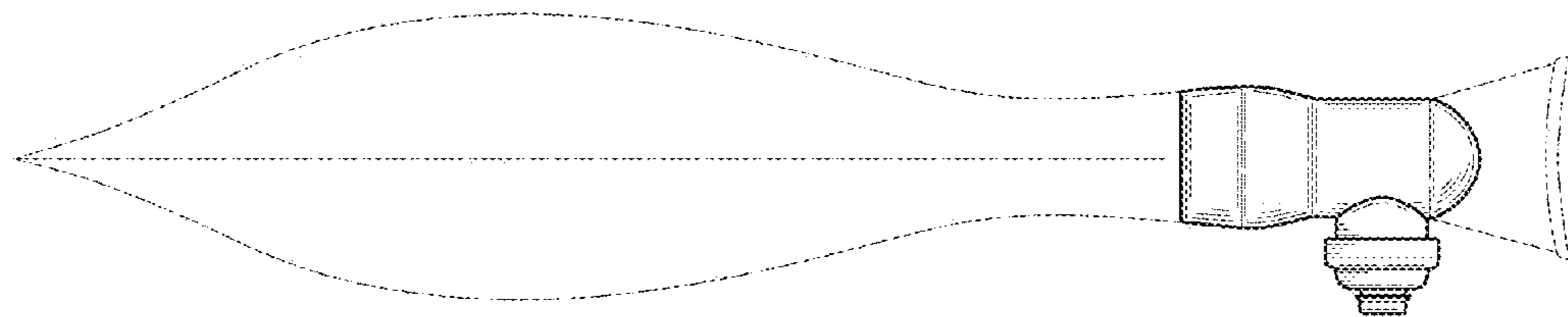


Fig. 5

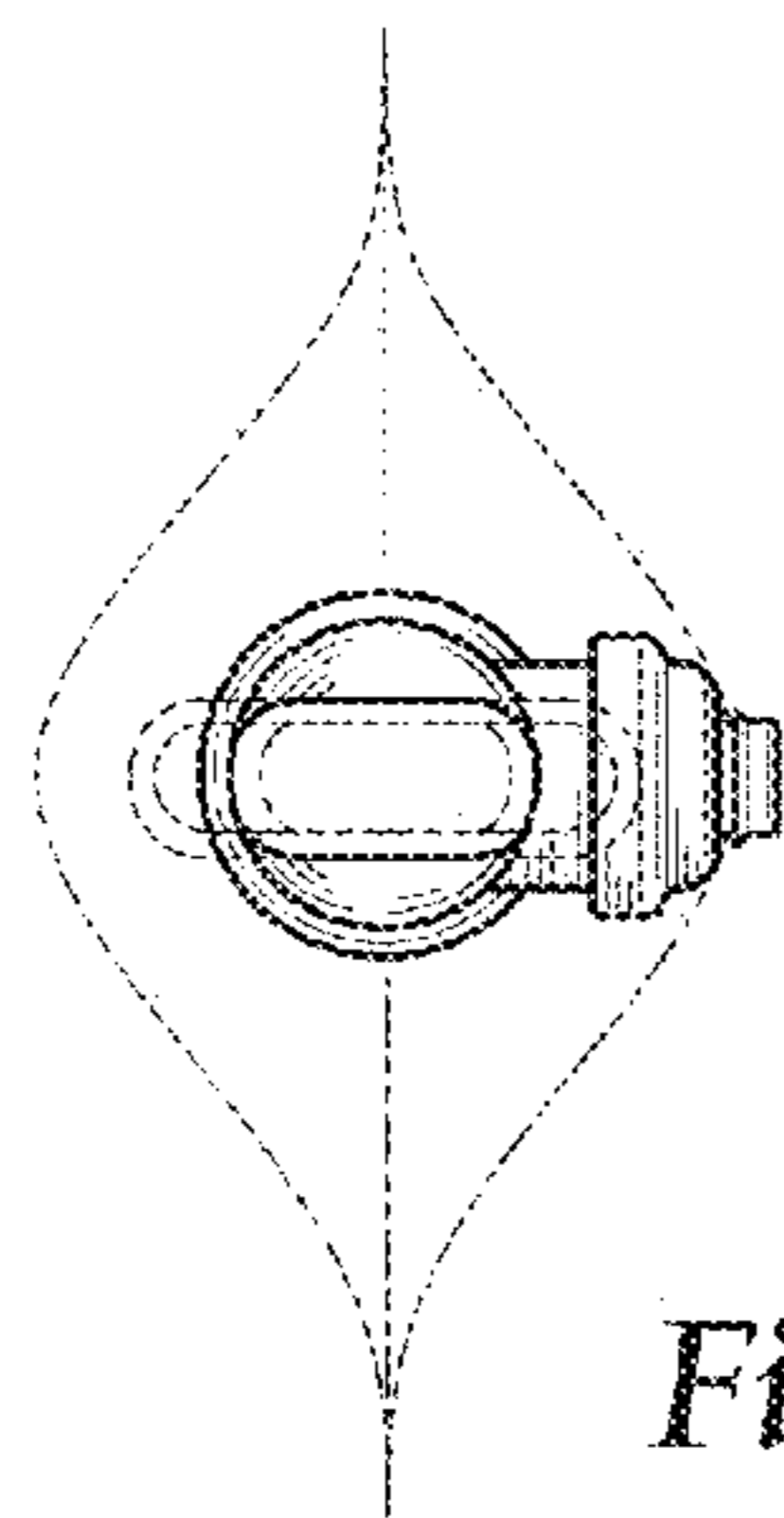


Fig. 6

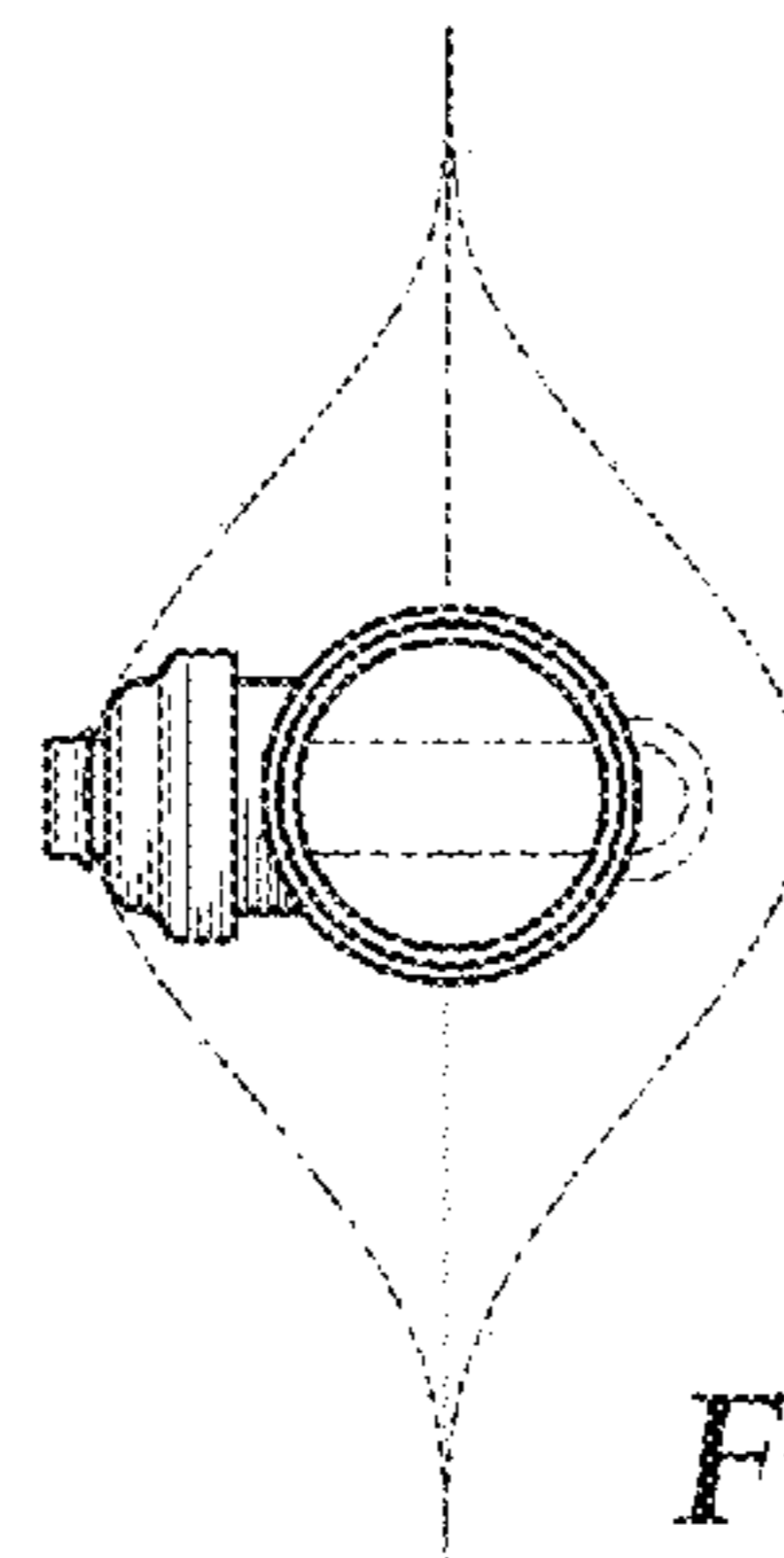


Fig. 7

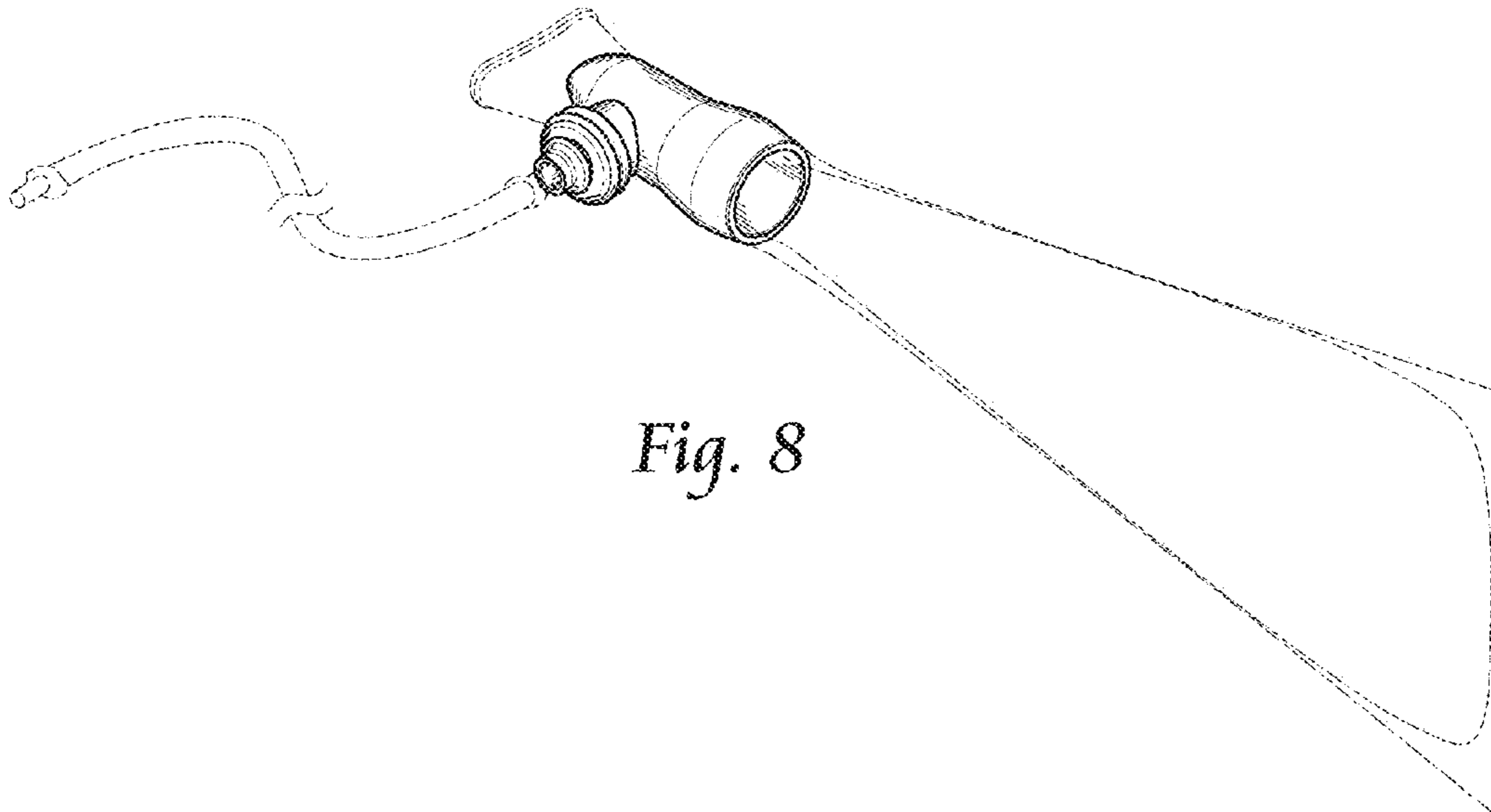


Fig. 8

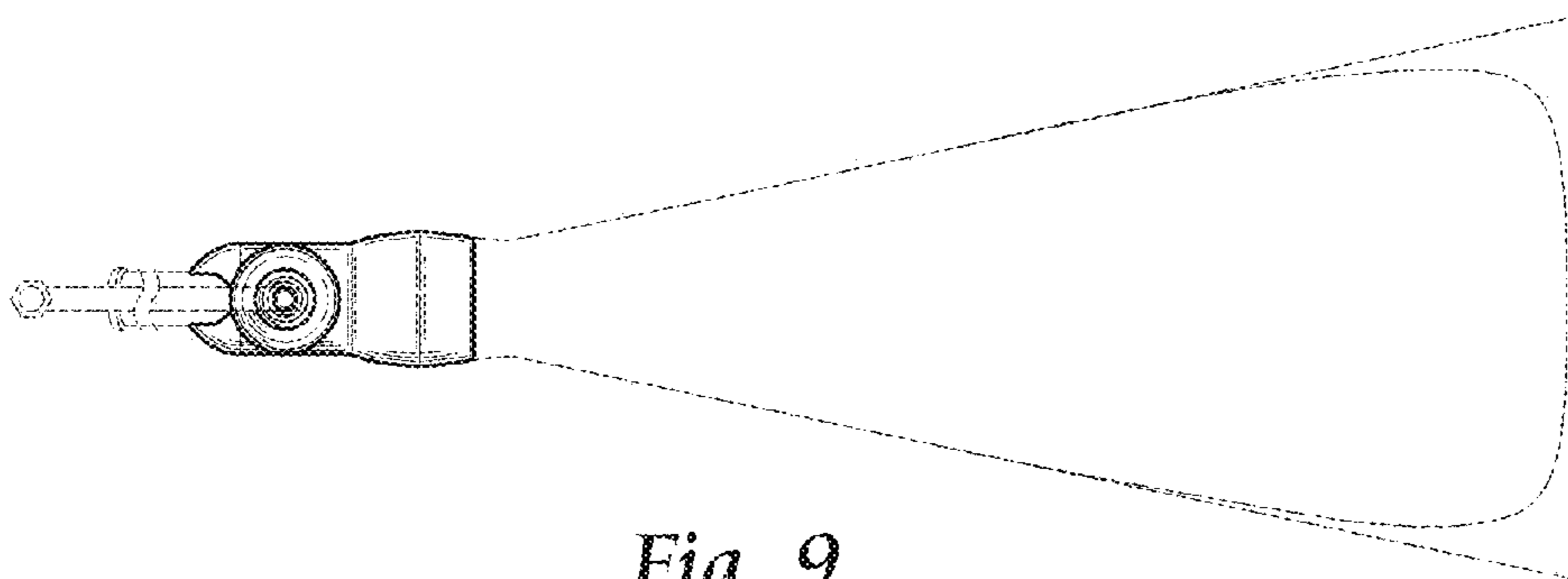


Fig. 9

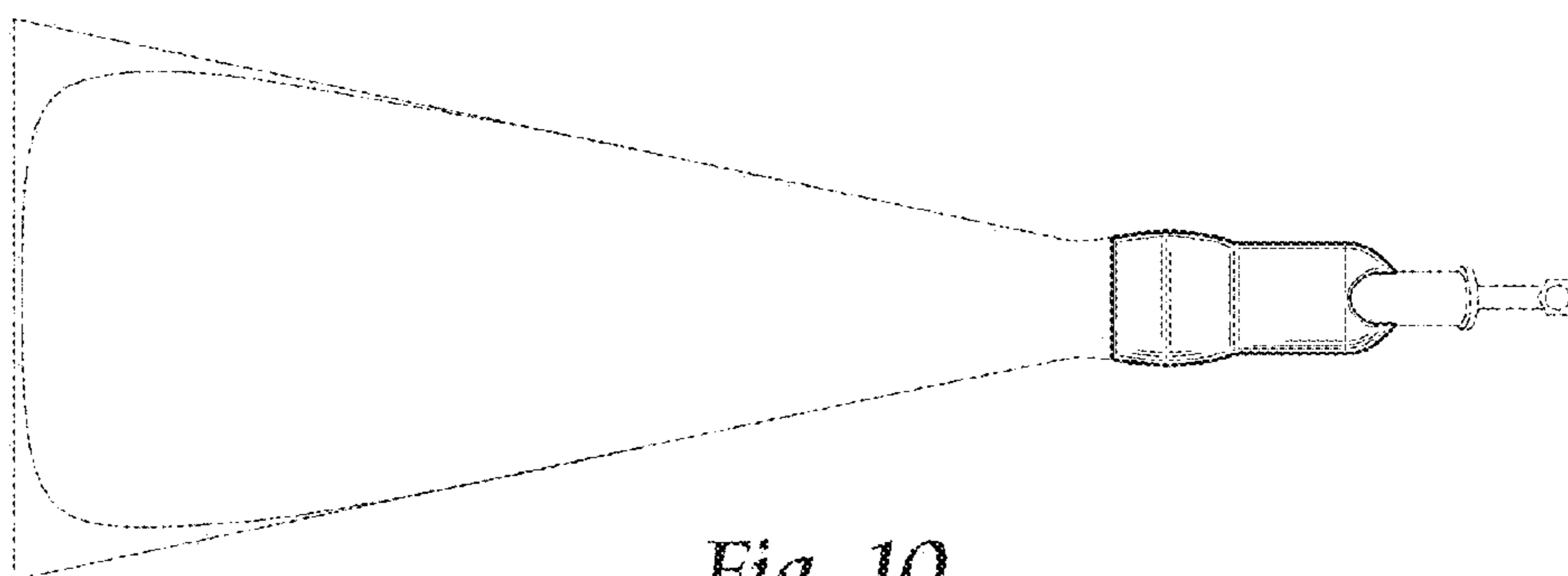


Fig. 10

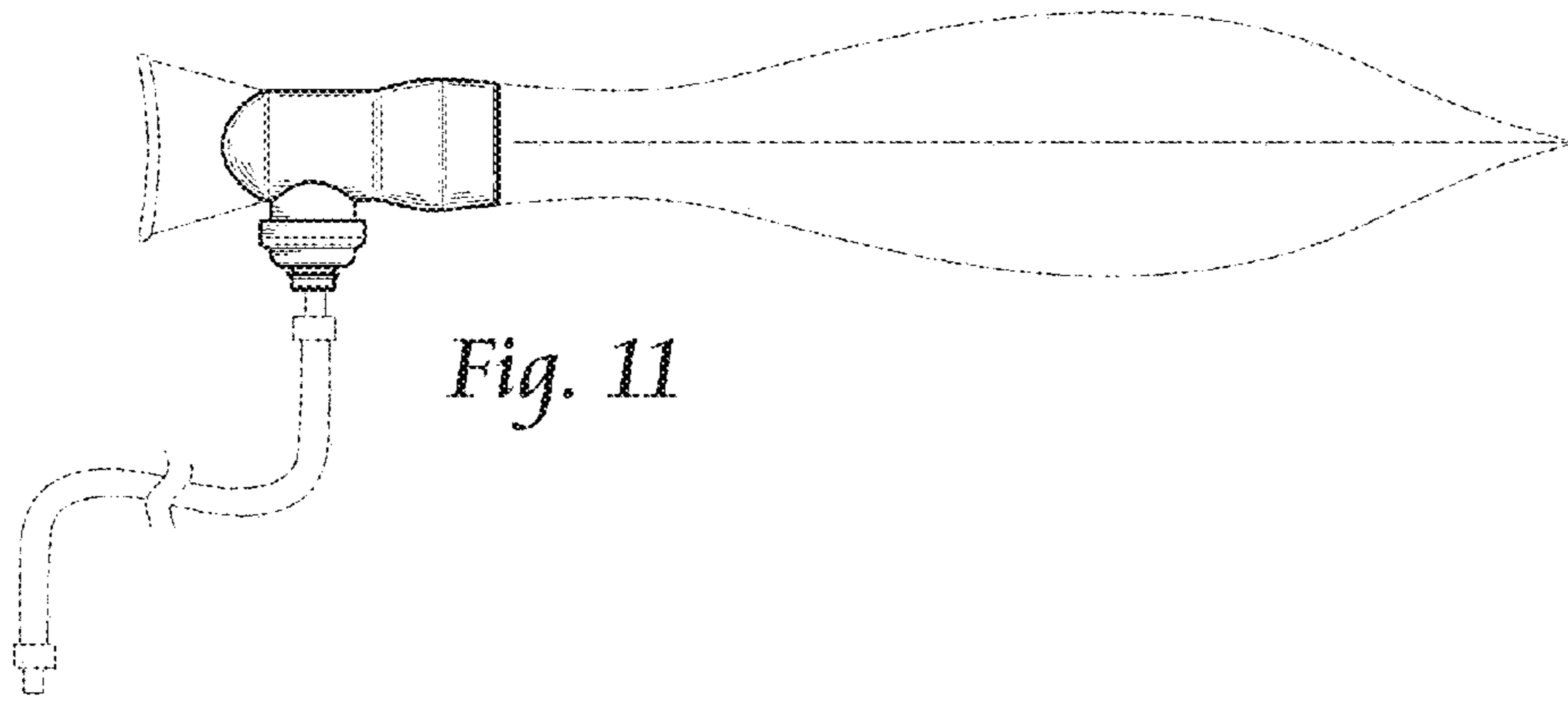


Fig. 11

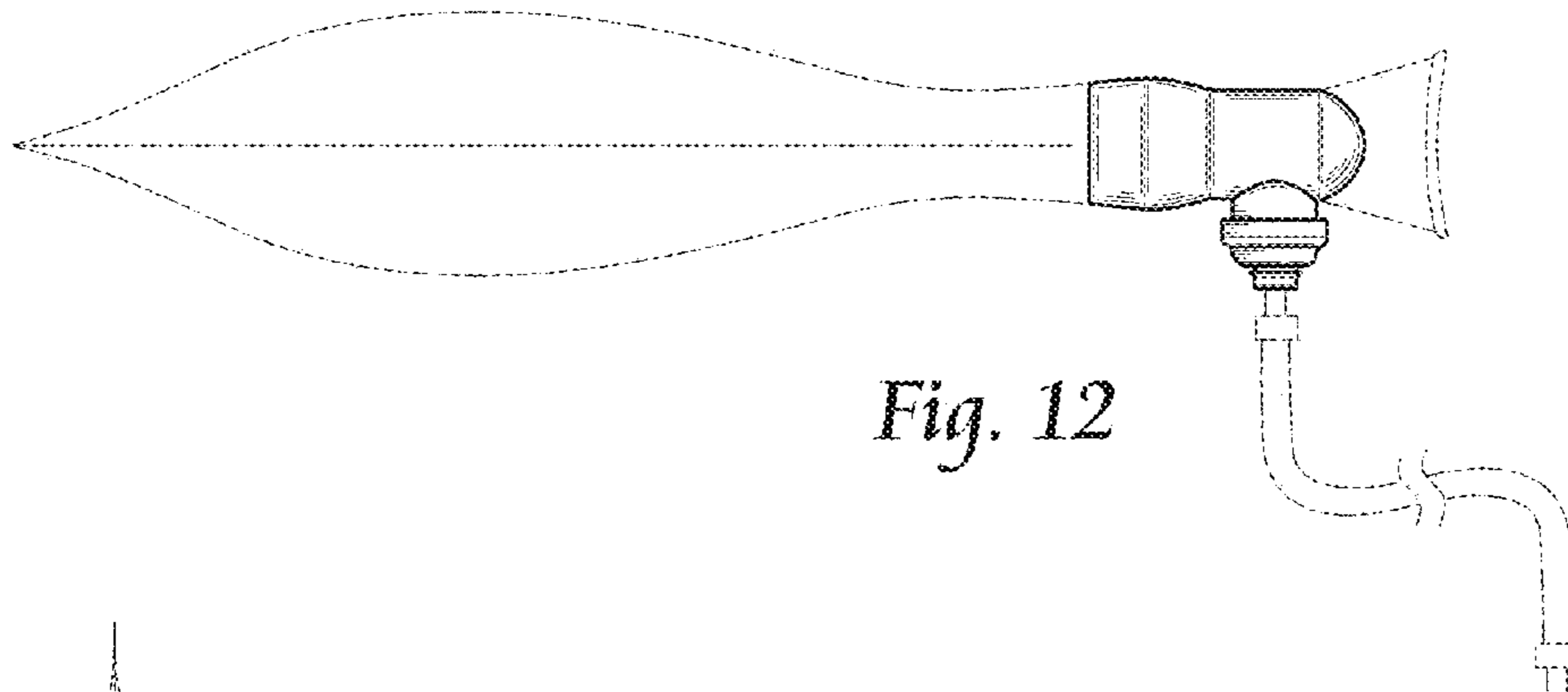


Fig. 12

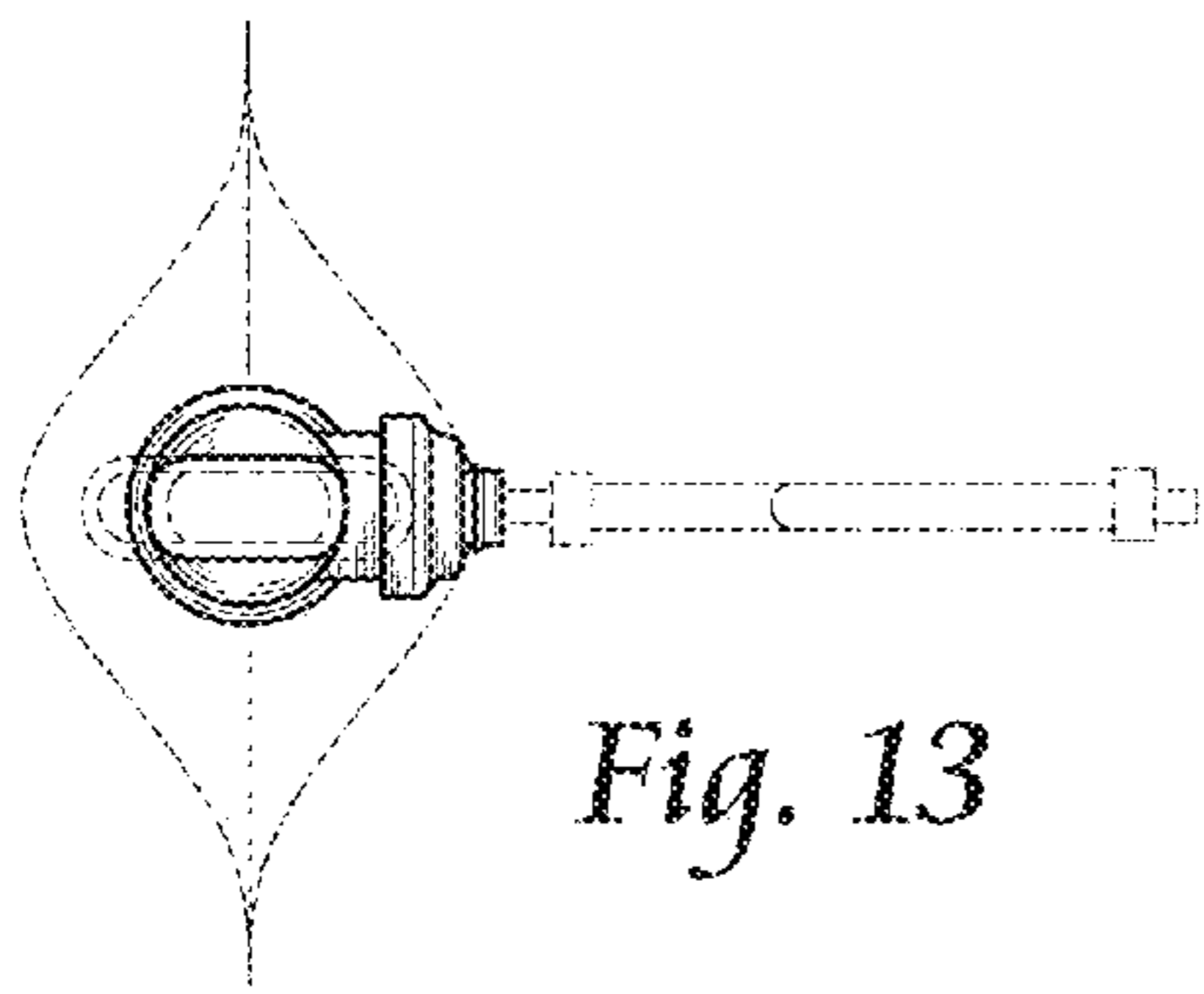


Fig. 13

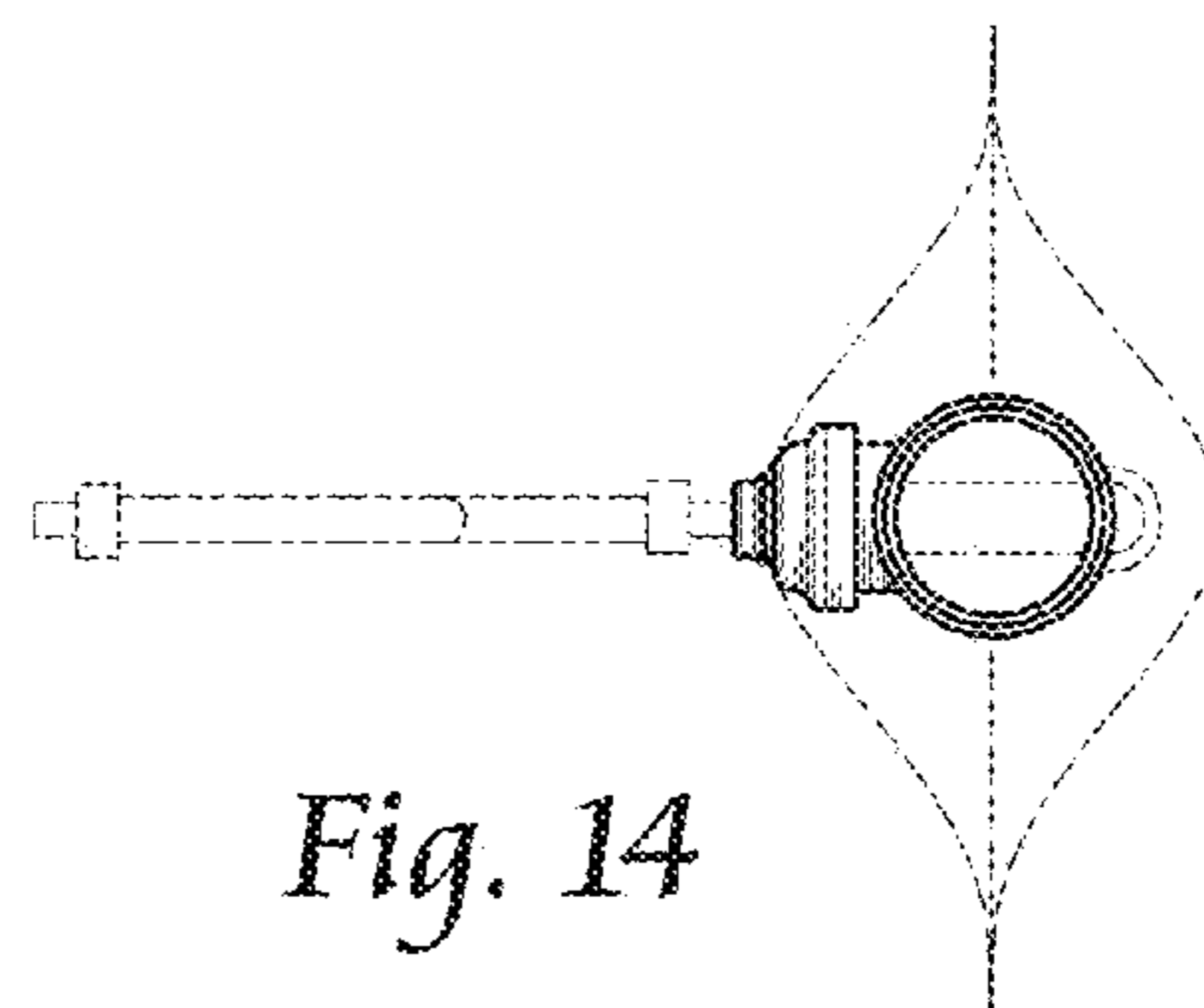


Fig. 14

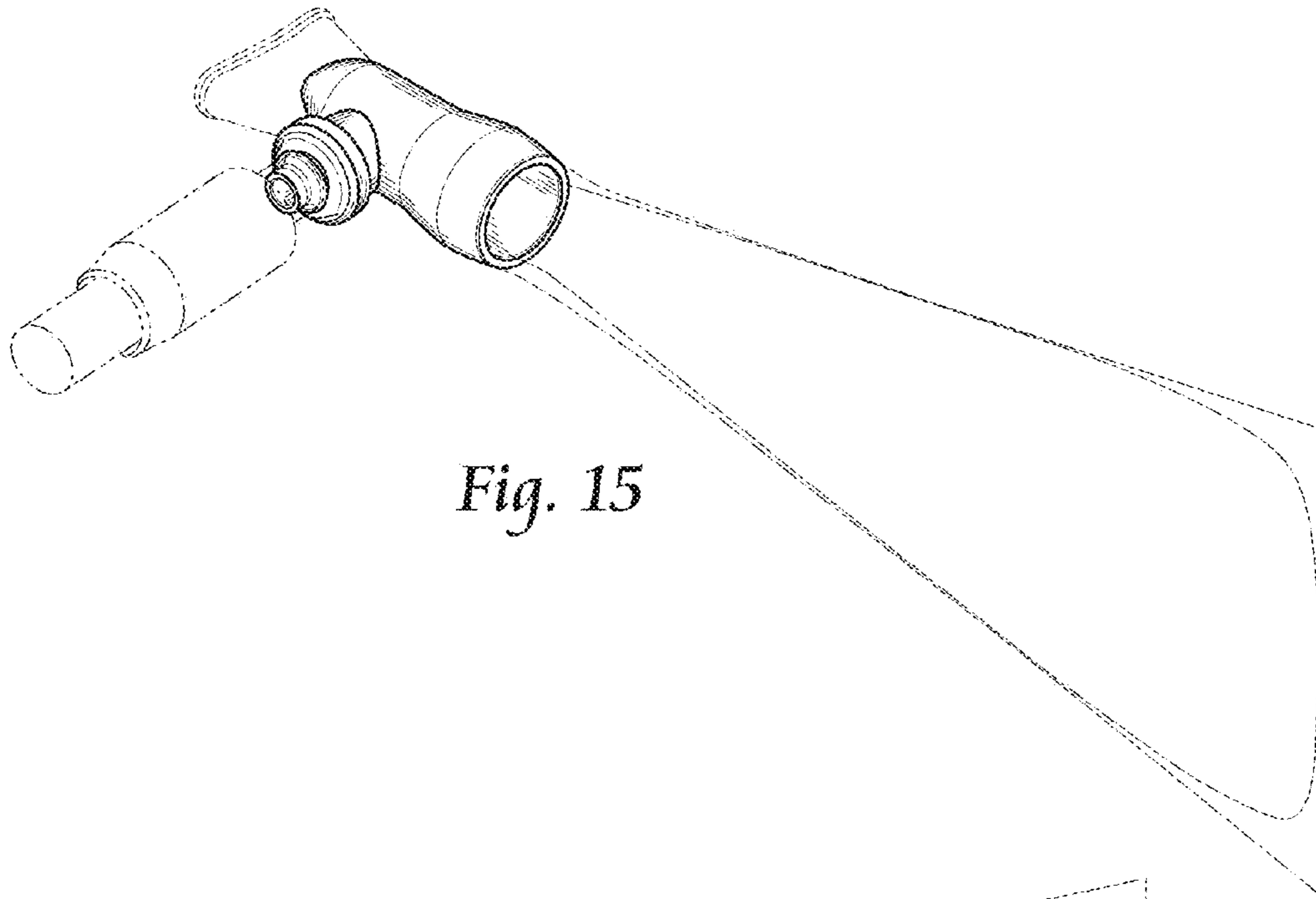


Fig. 15

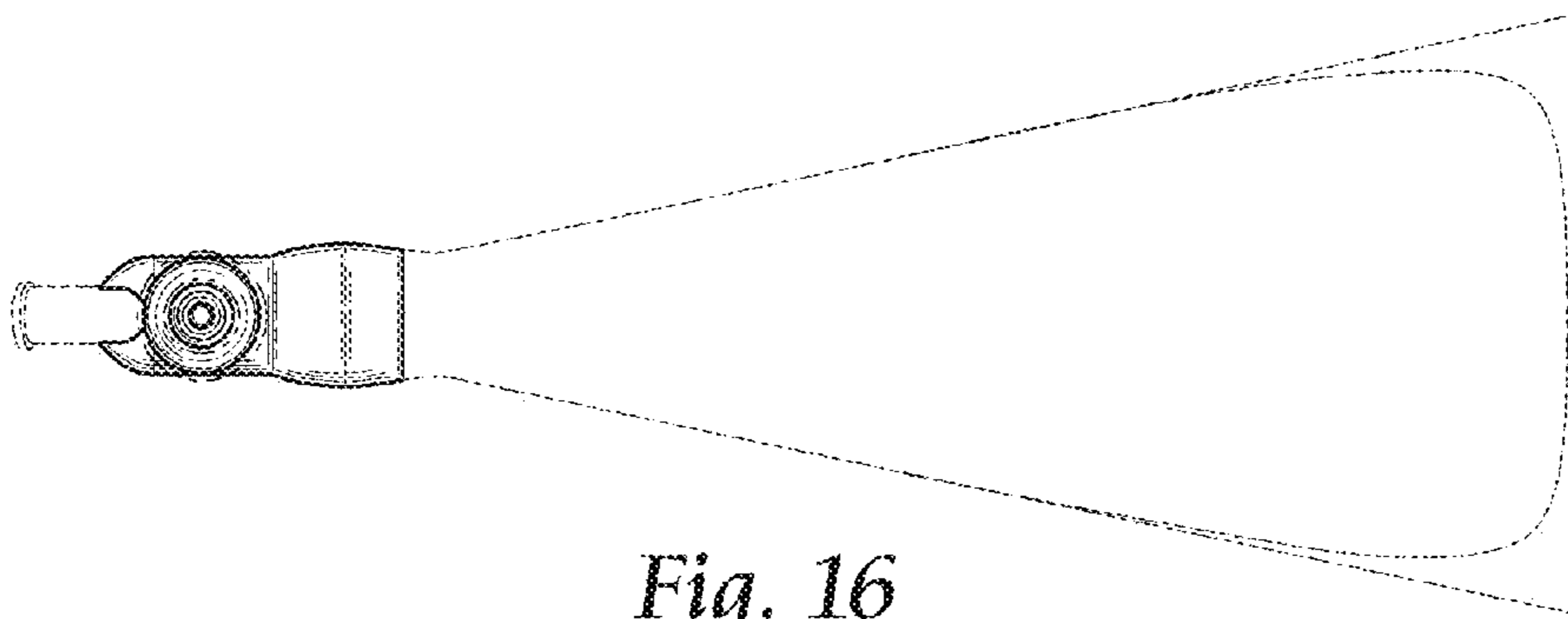


Fig. 16

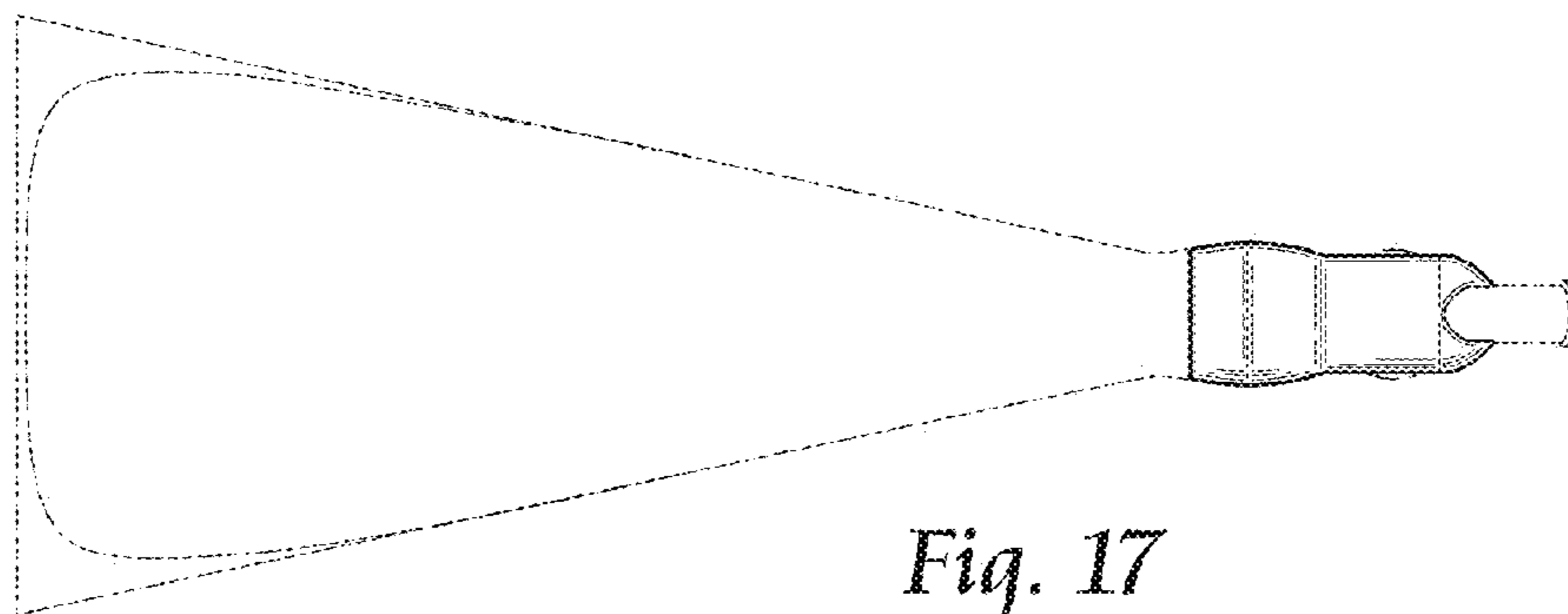


Fig. 17

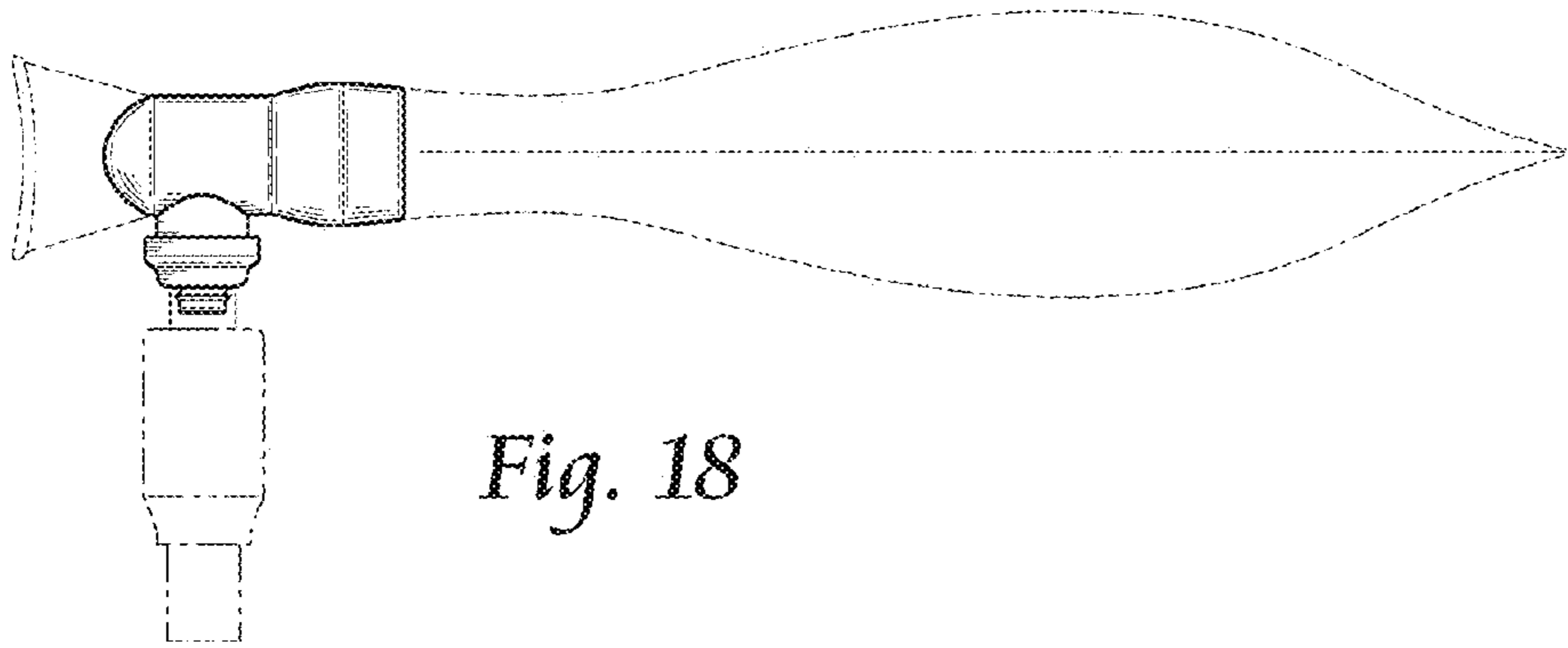


Fig. 18

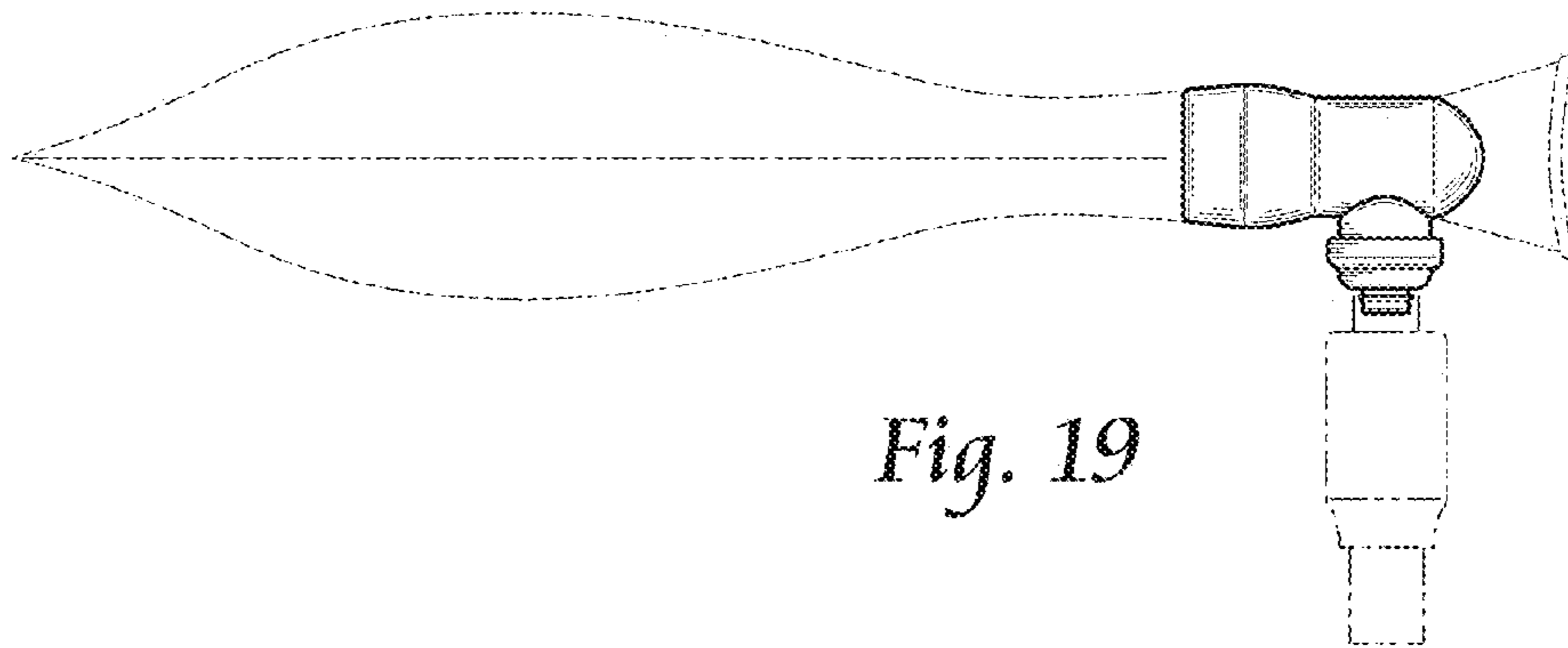


Fig. 19

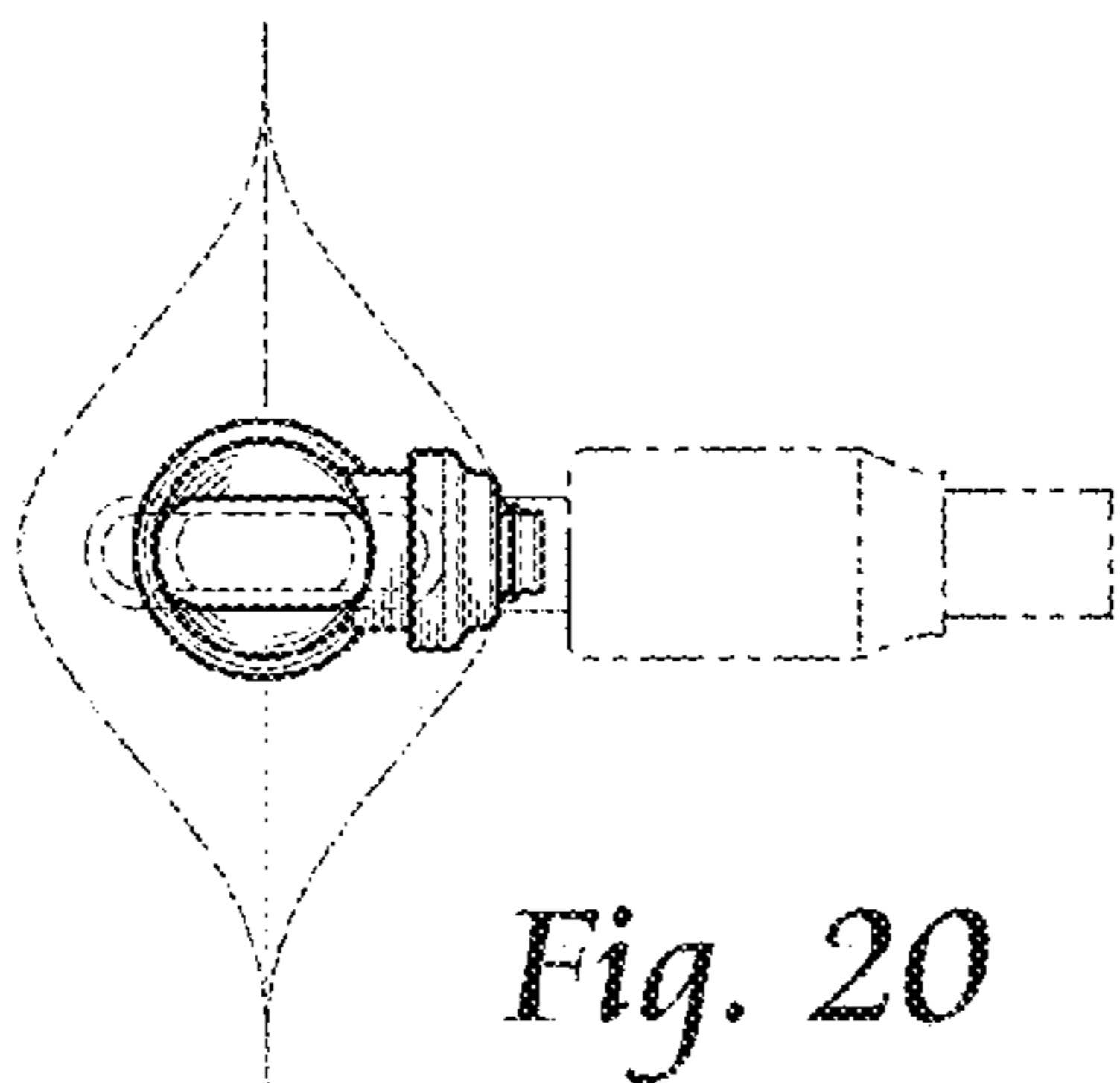


Fig. 20

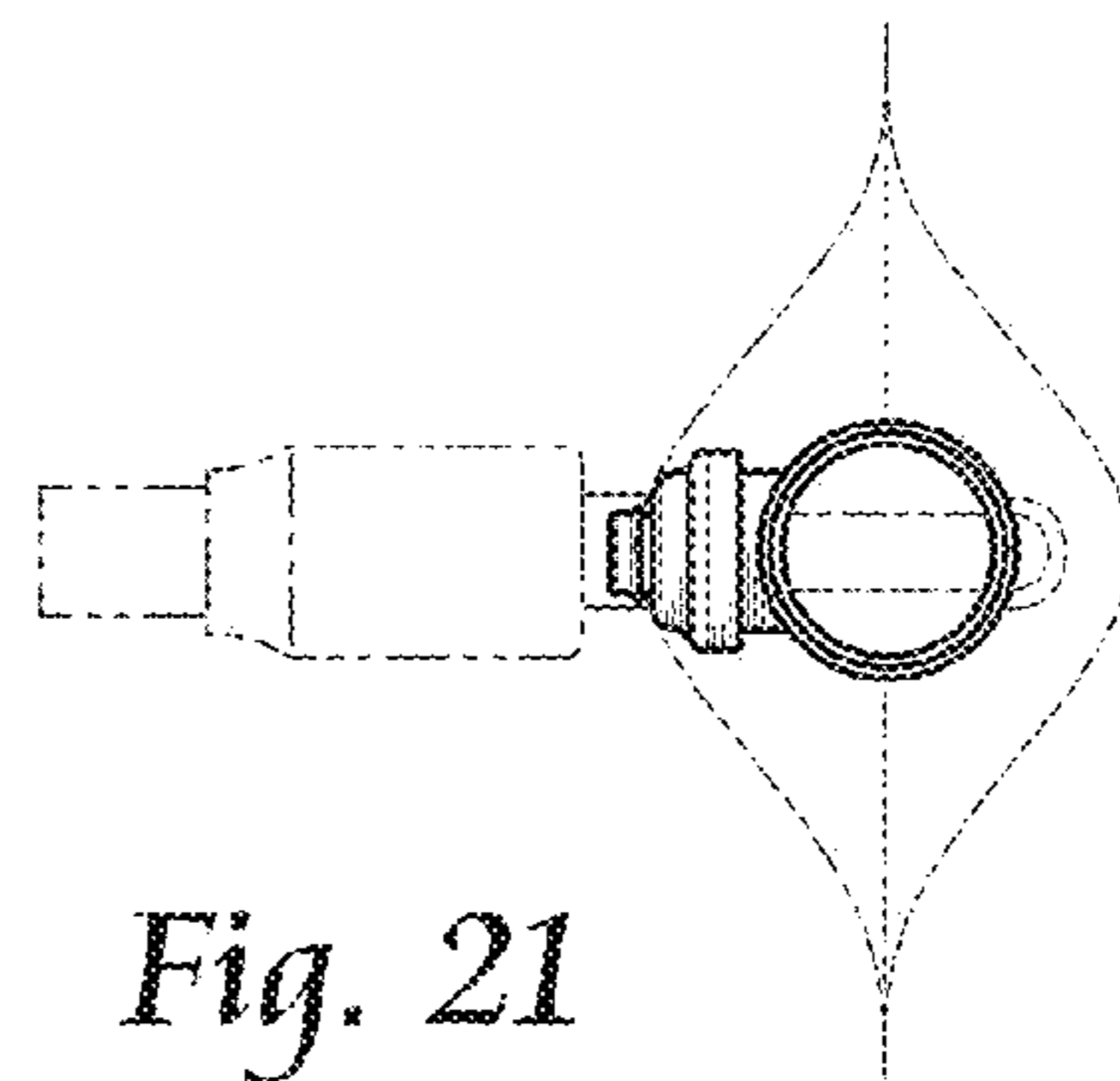


Fig. 21

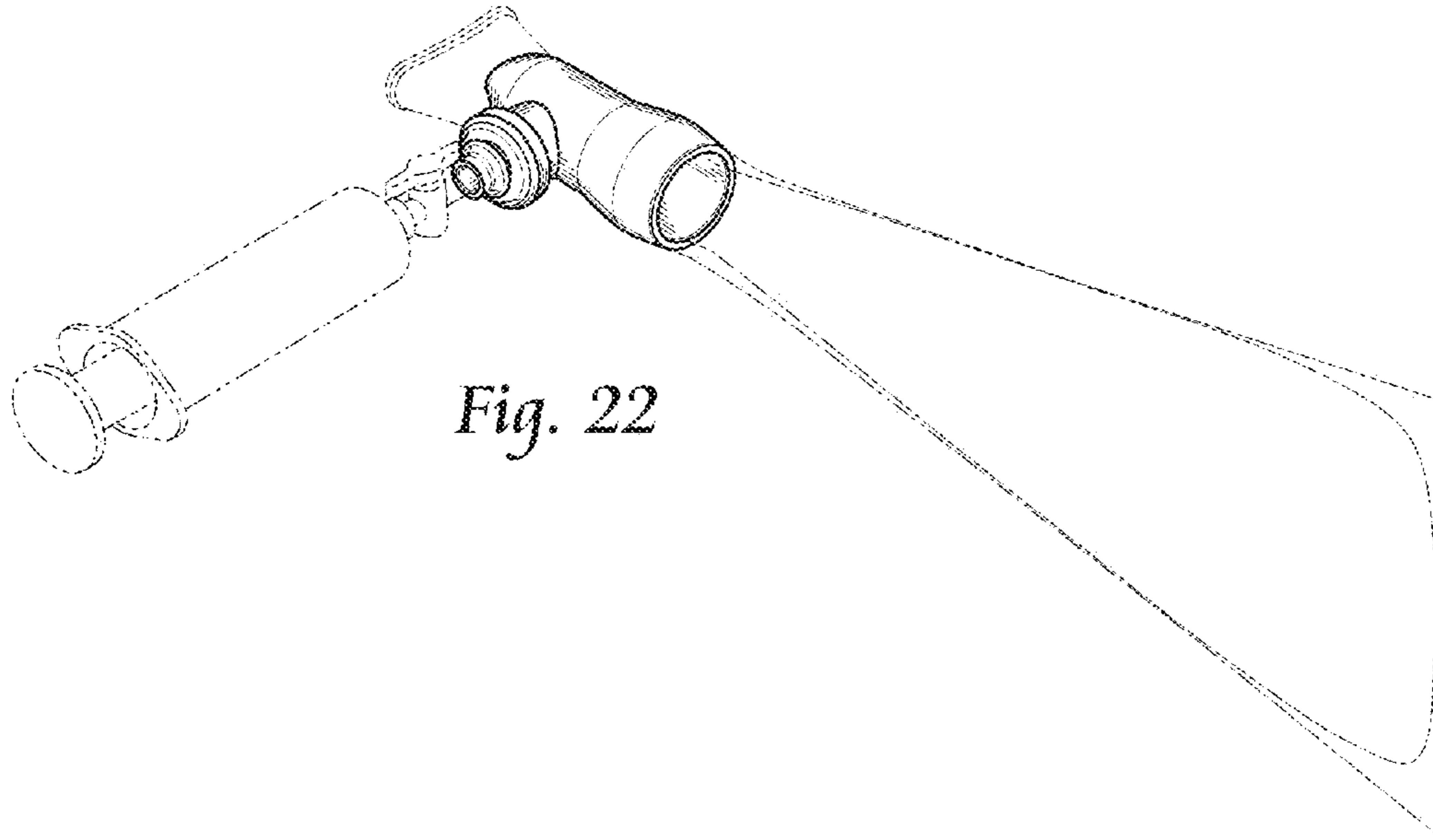


Fig. 22

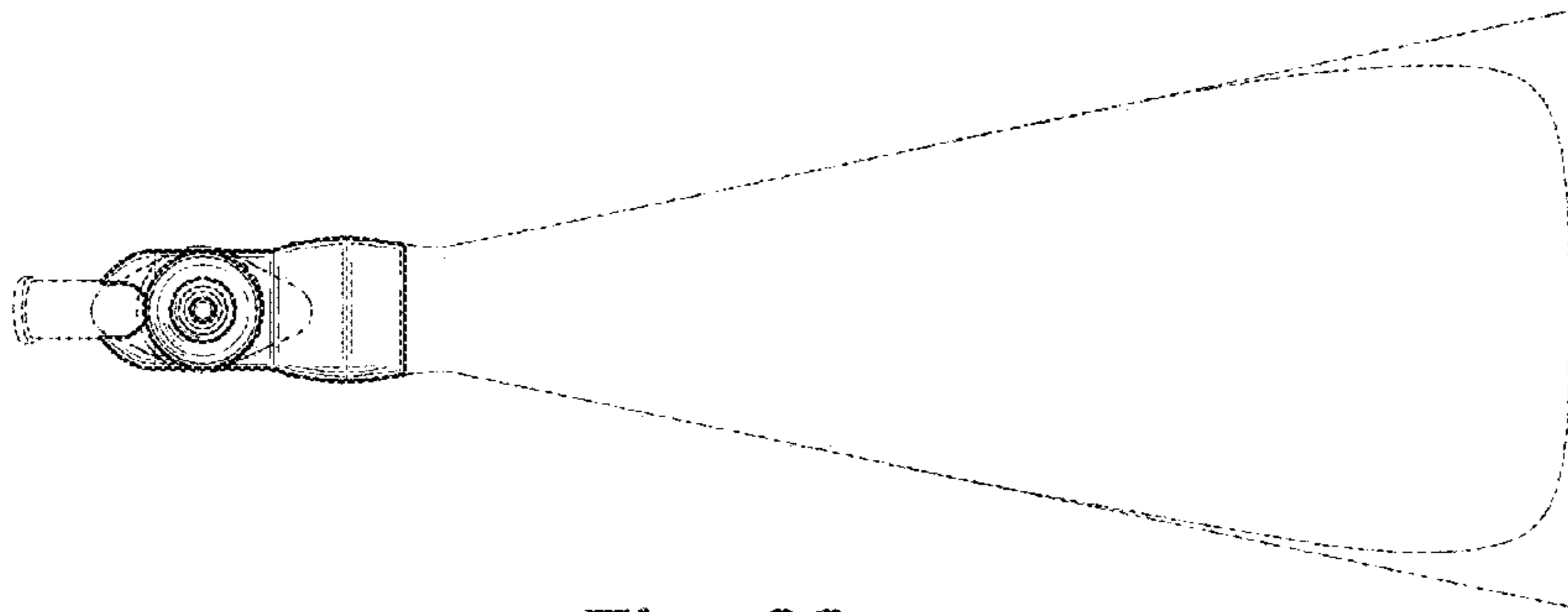


Fig. 23

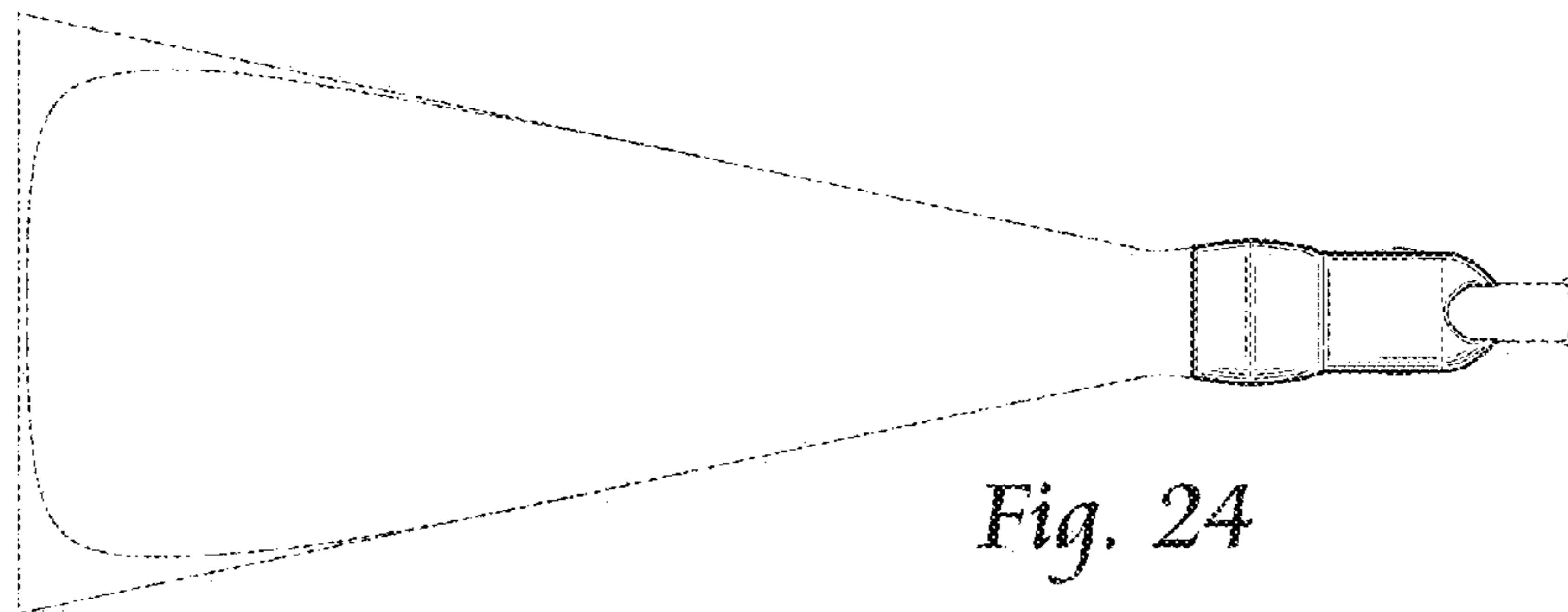


Fig. 24

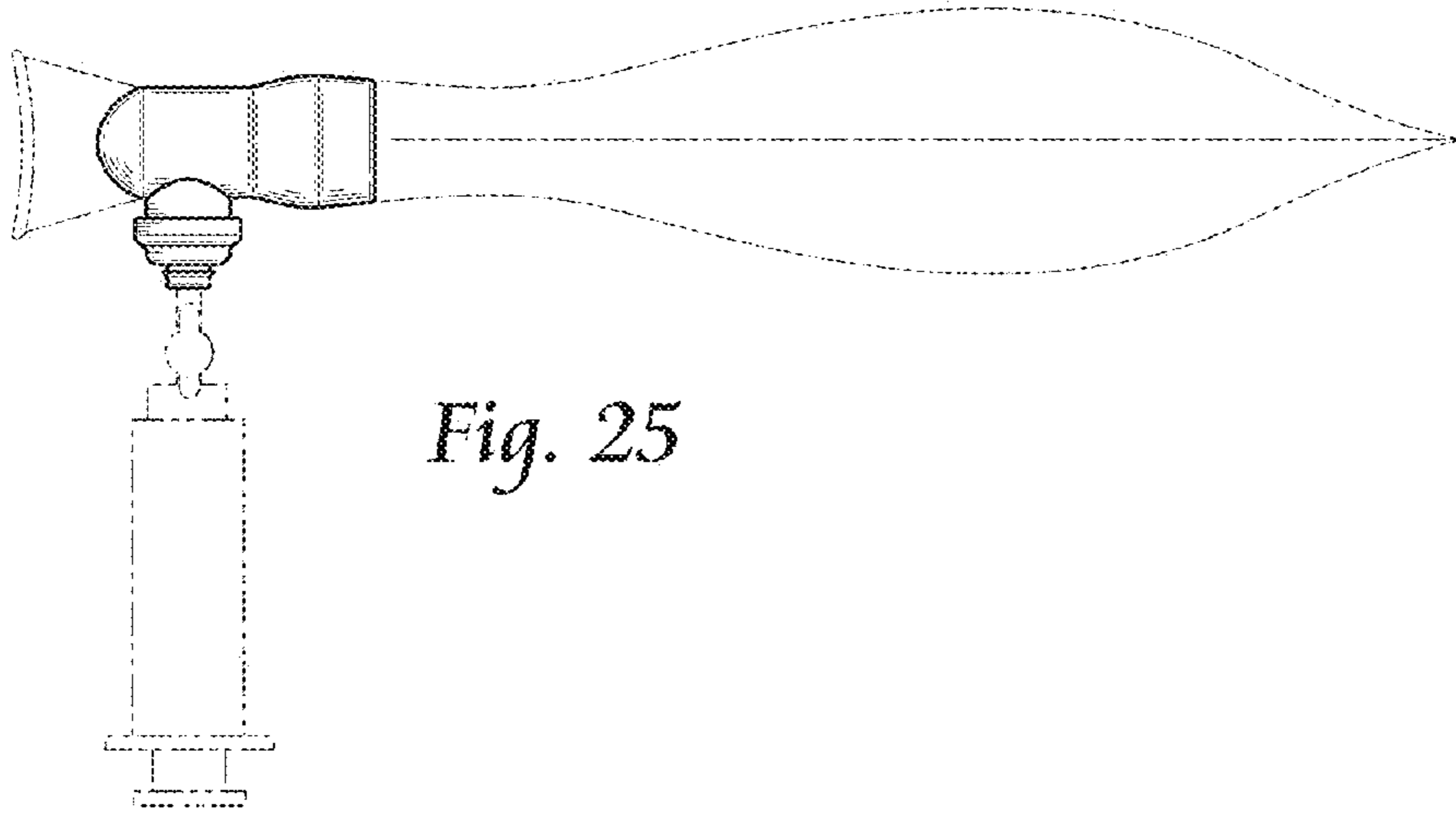


Fig. 25

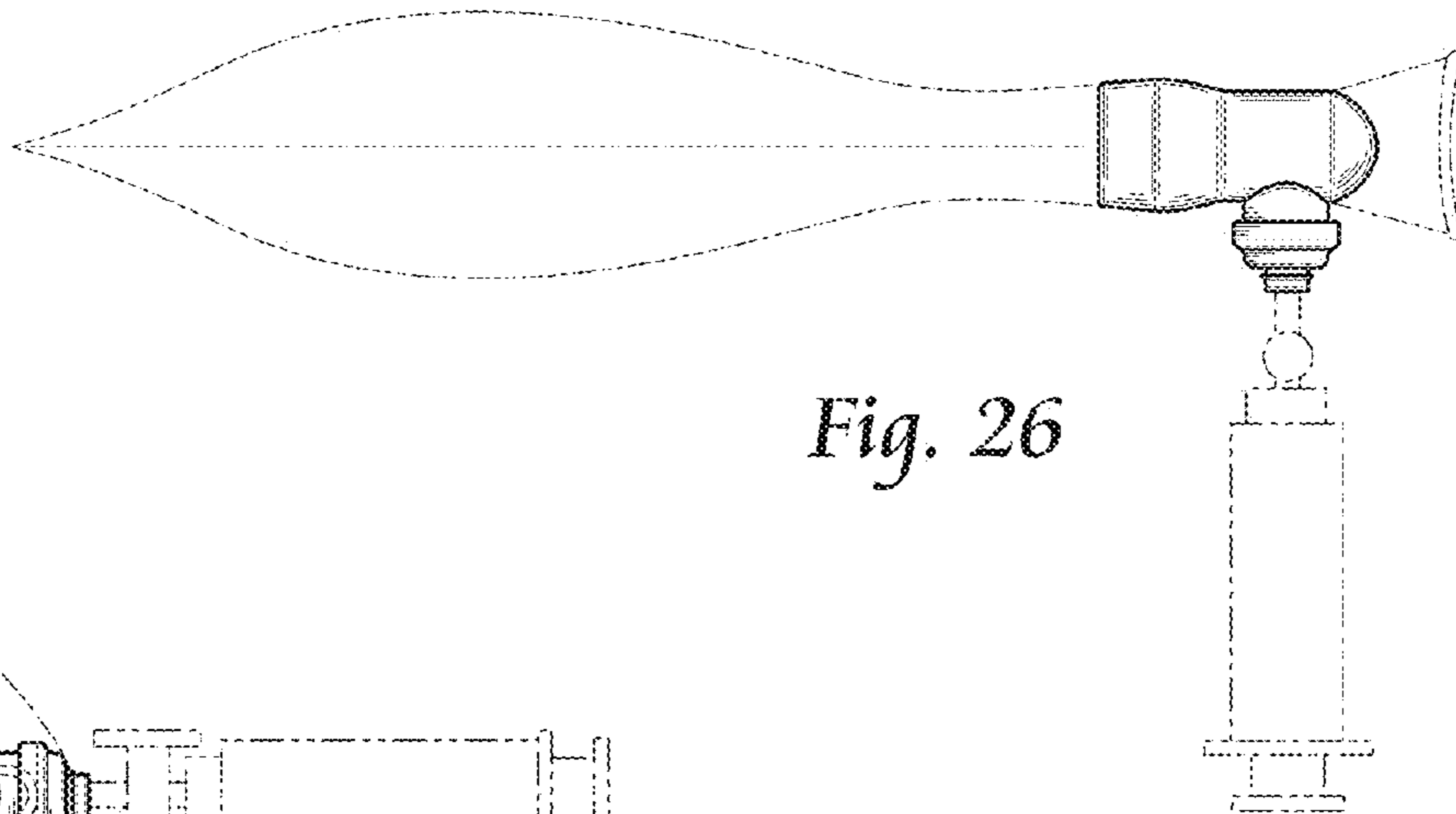


Fig. 26

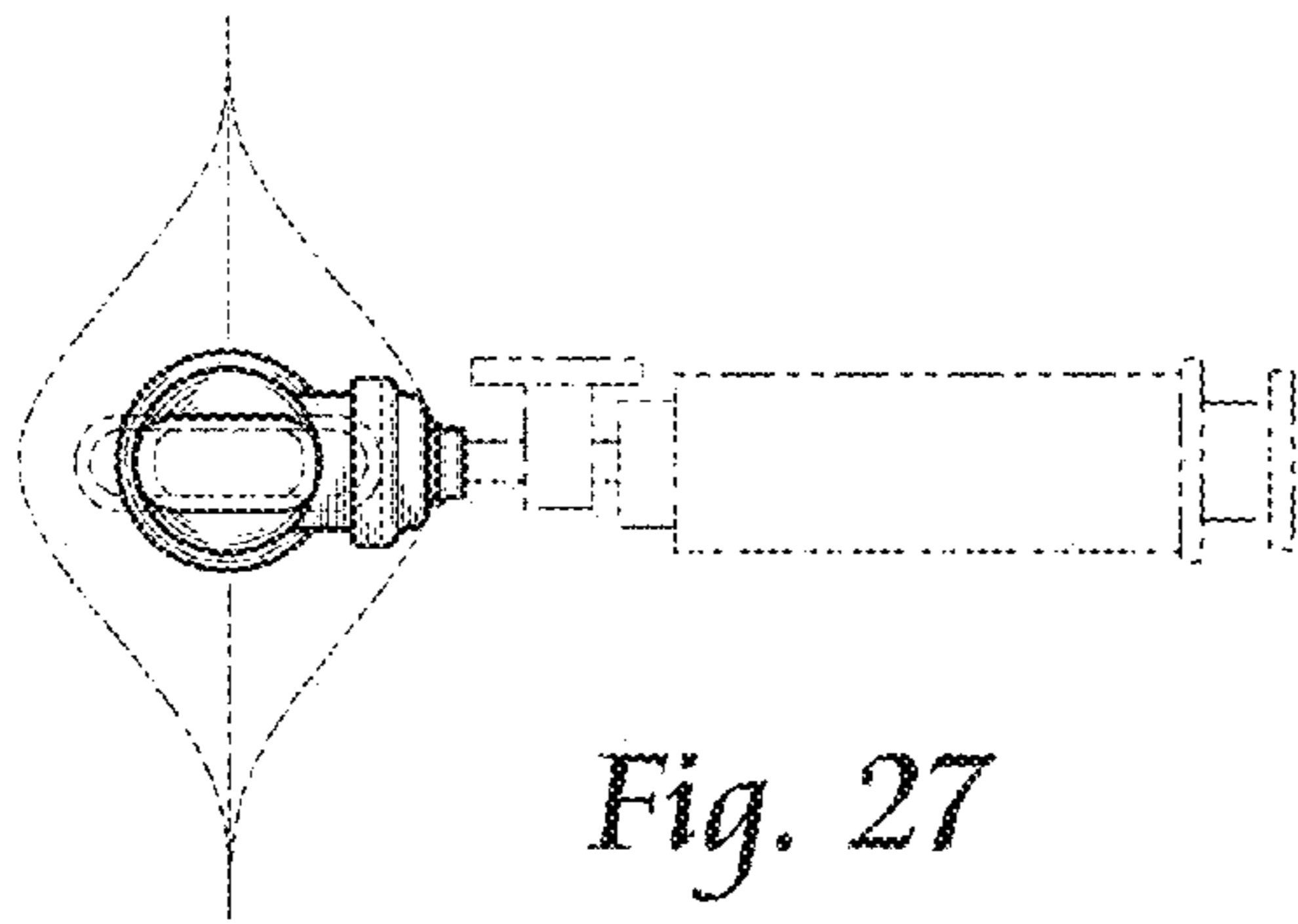


Fig. 27

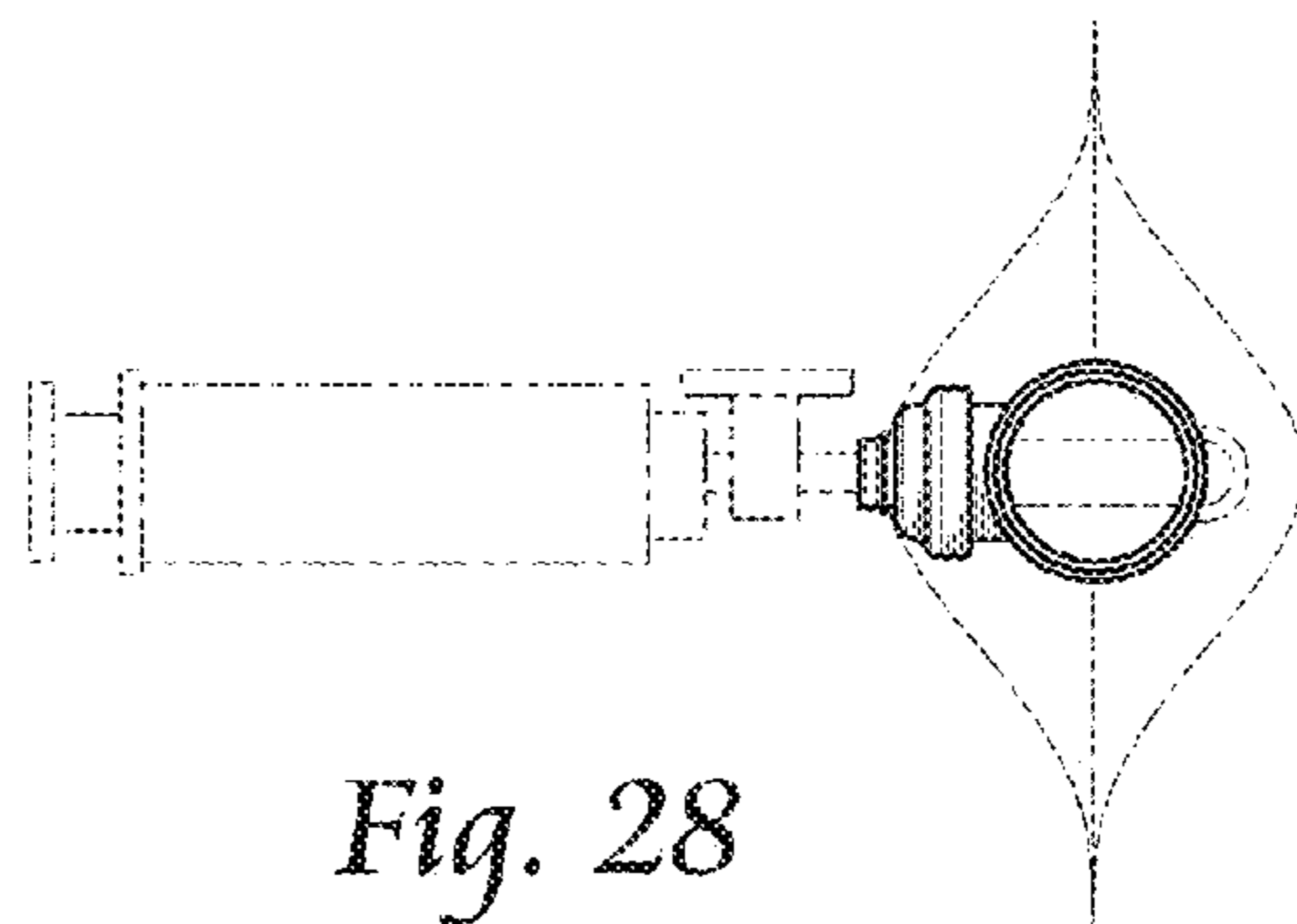


Fig. 28

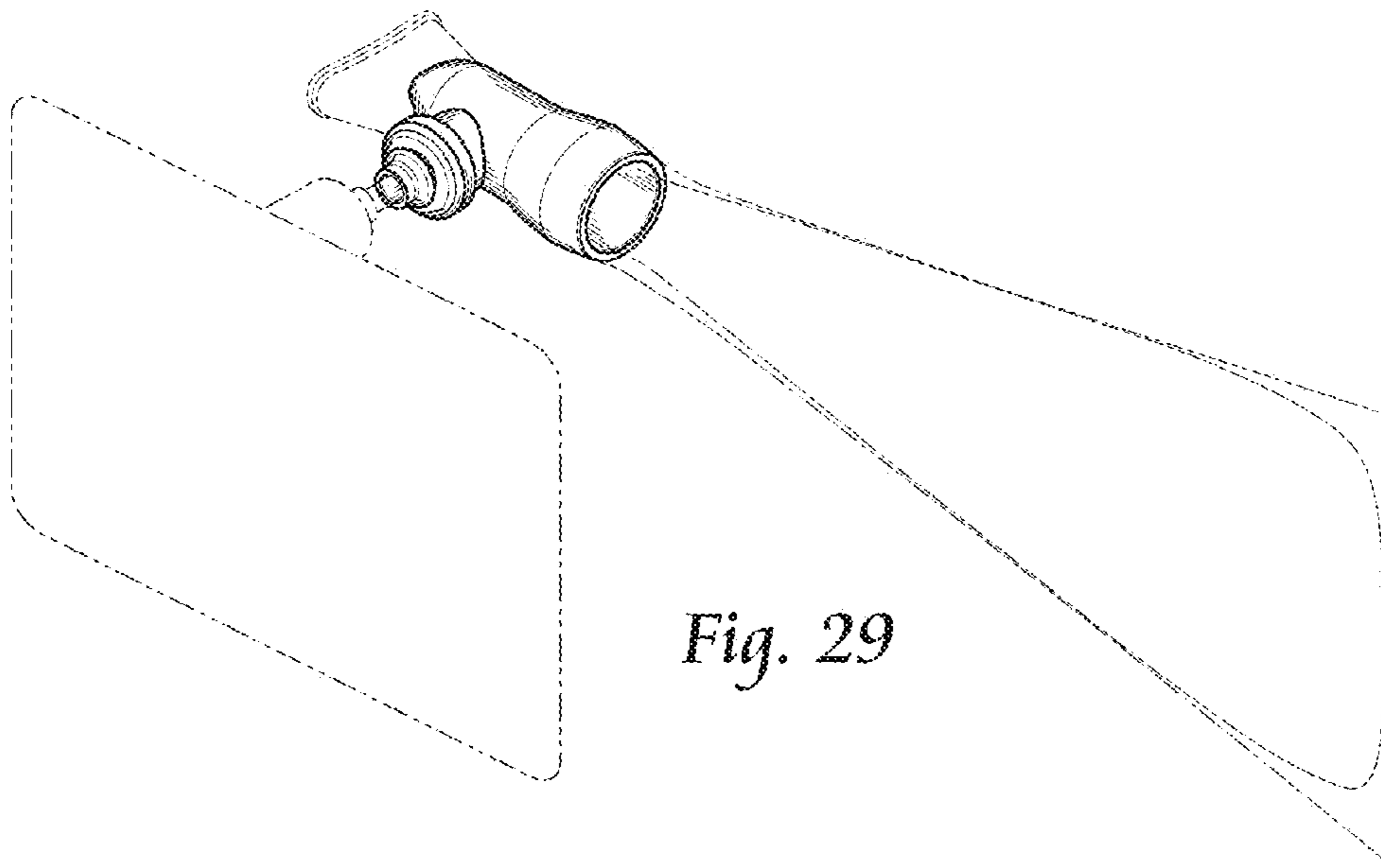


Fig. 29

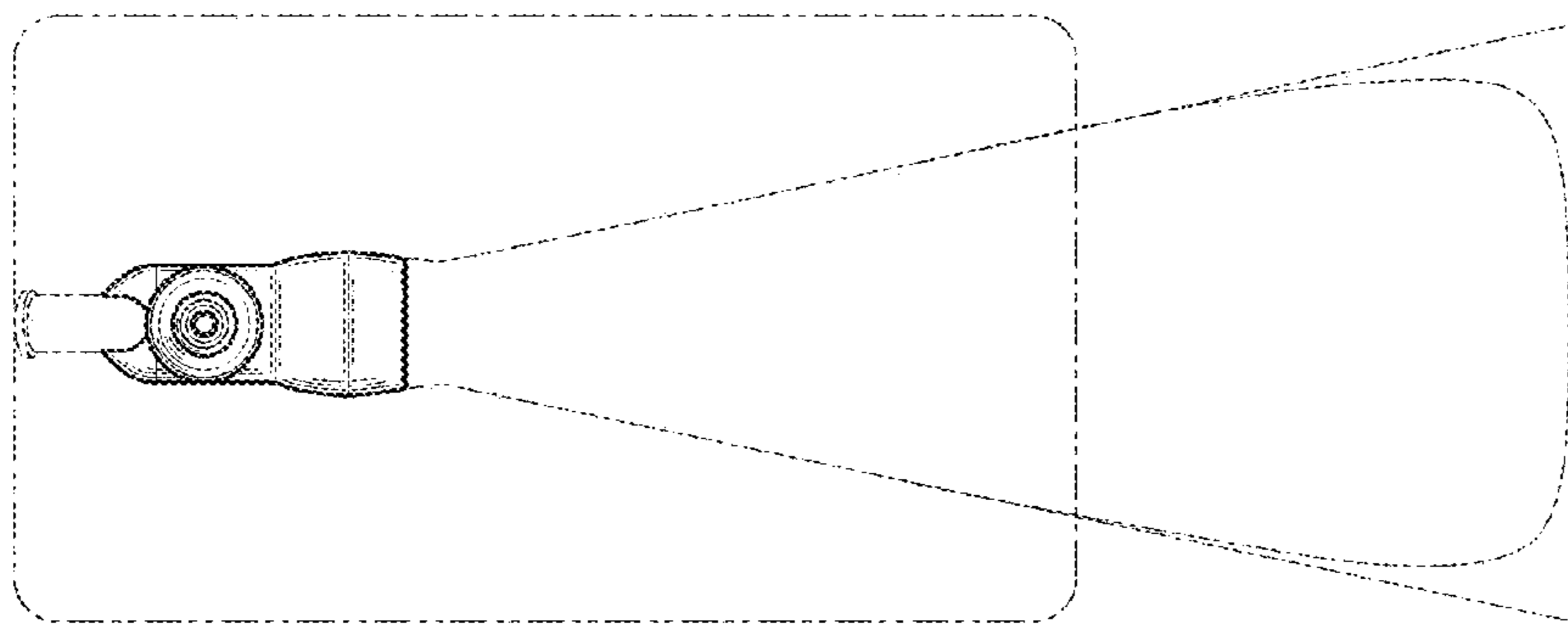


Fig. 30

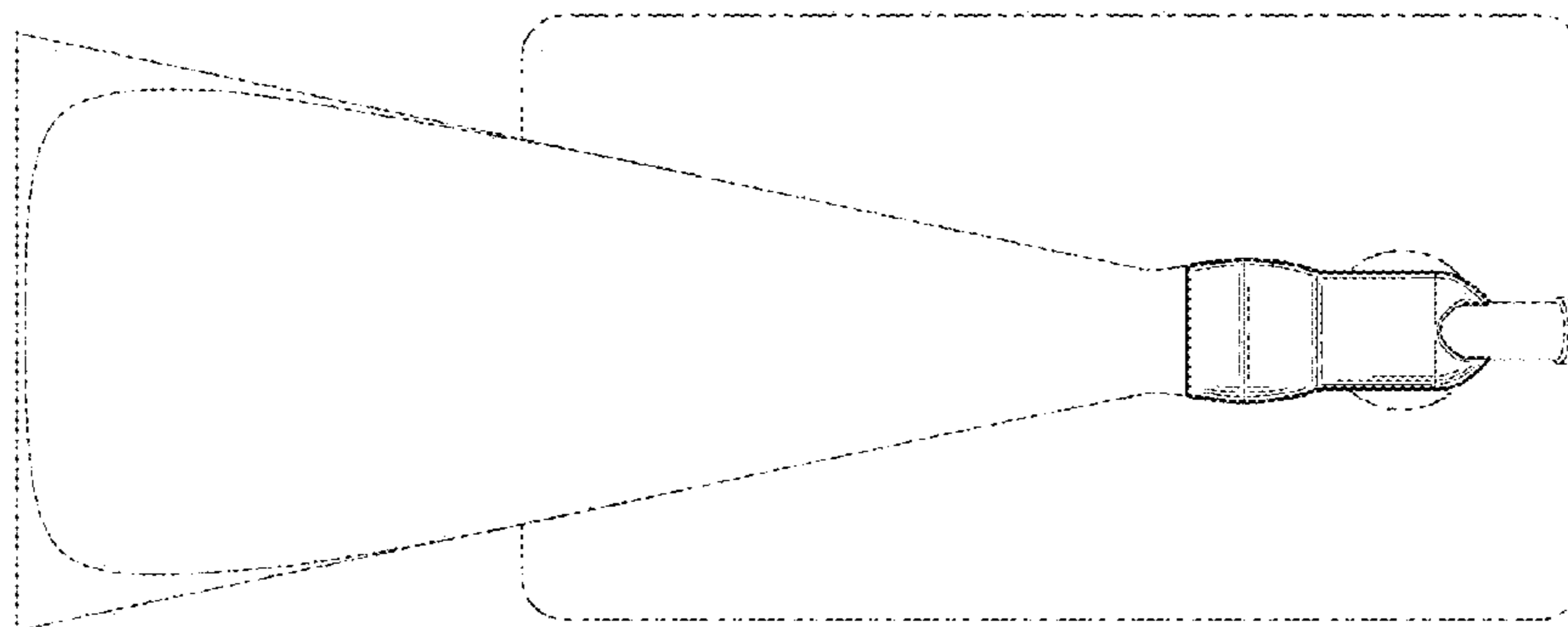


Fig. 31

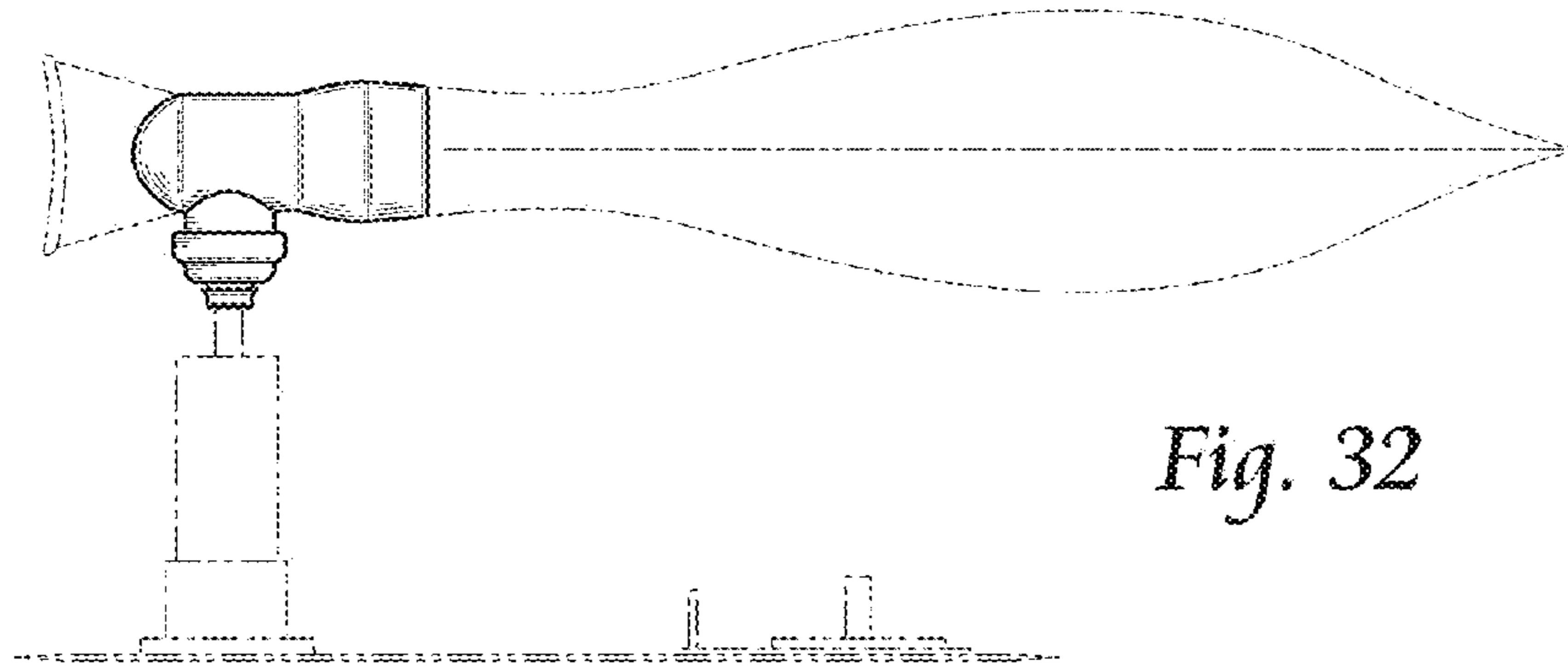


Fig. 32

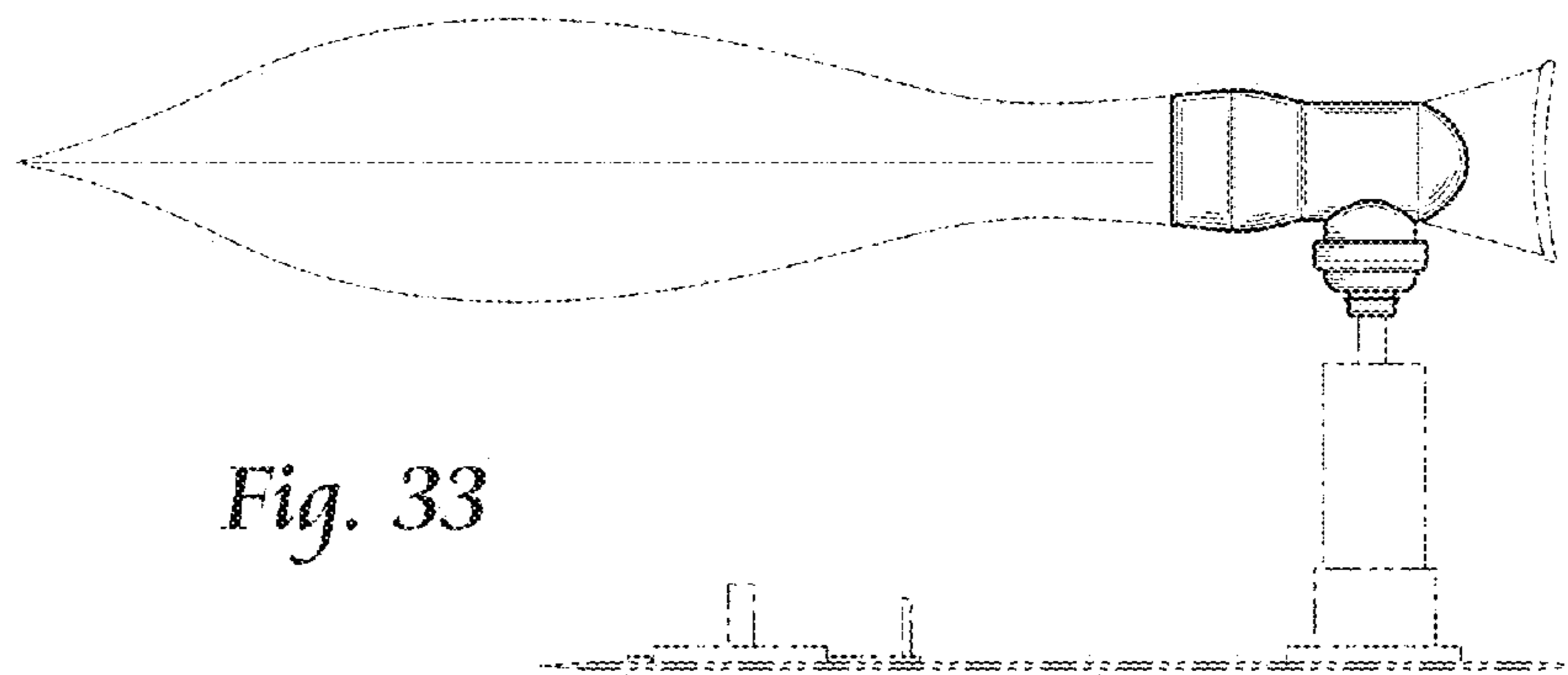


Fig. 33

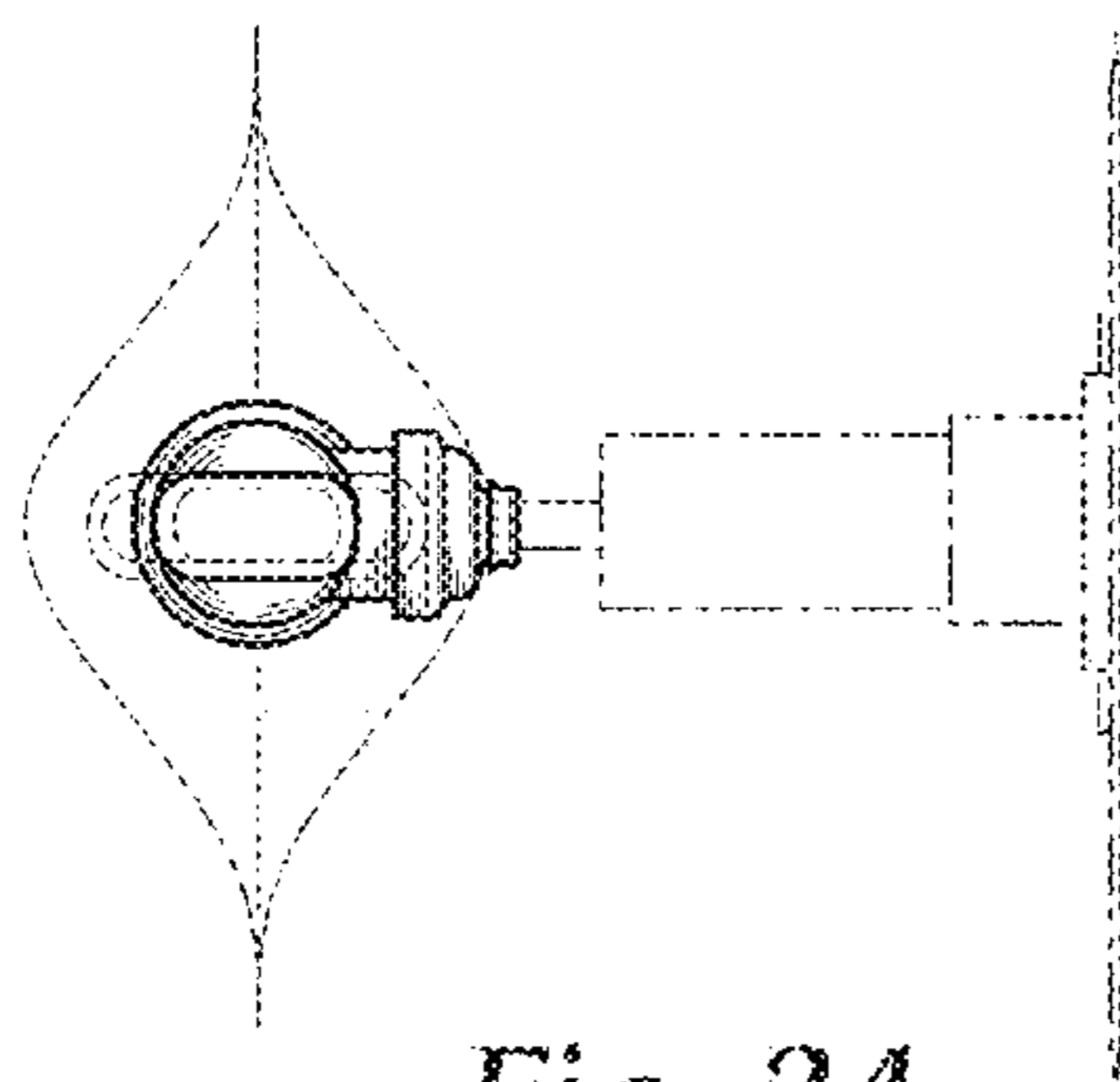


Fig. 34

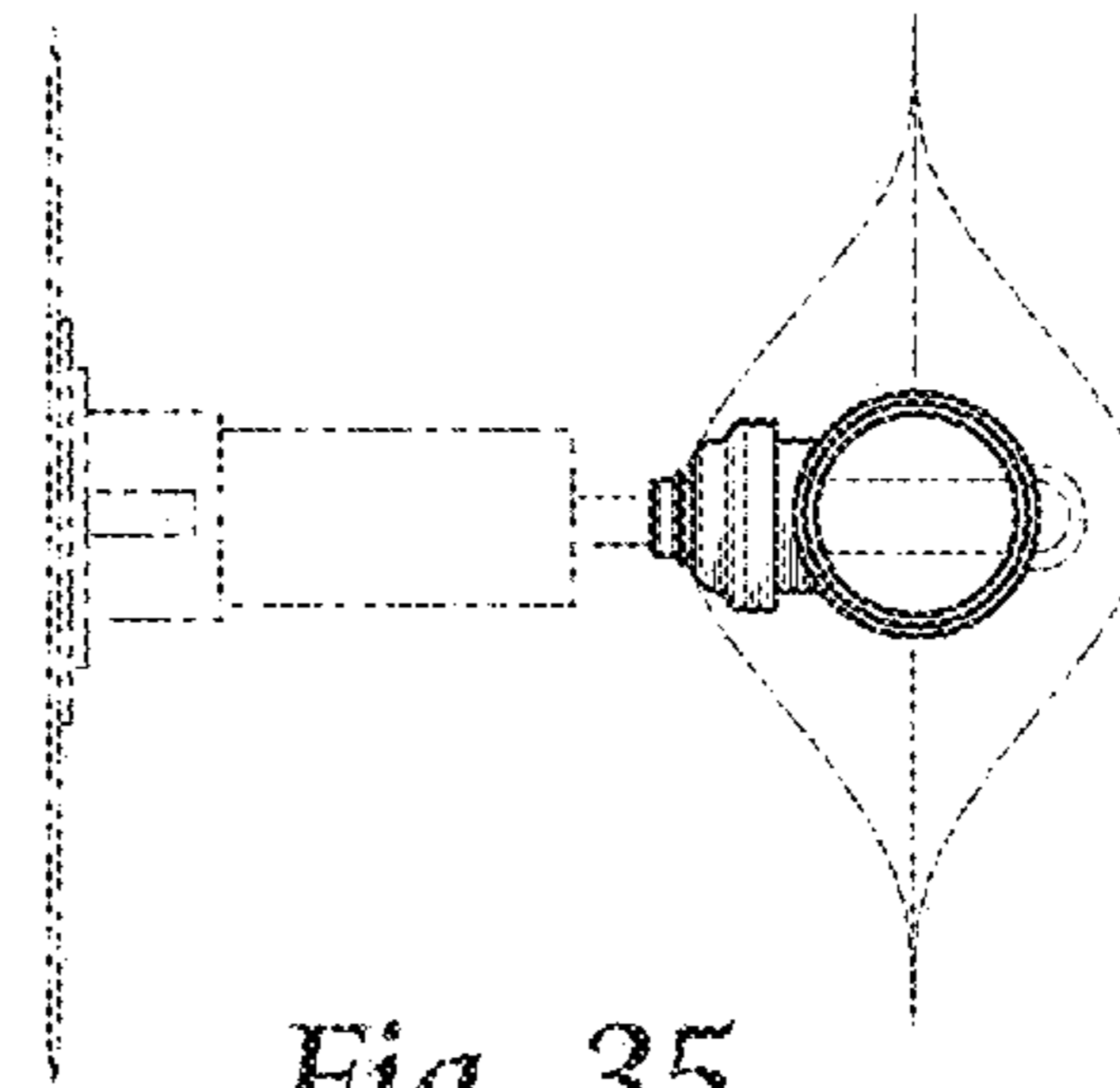


Fig. 35

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : D722,688 S
APPLICATION NO. : 29/460968
DATED : February 17, 2015
INVENTOR(S) : Eric Lyle Hamilton

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title page at (56) insert --6,368,558 4/2002 Suslick et al.--

Signed and Sealed this
Fifteenth Day of September, 2015



Michelle K. Lee
Director of the United States Patent and Trademark Office