

US00D561329S

(12) **United States Design Patent** (10) **Patent No.:** **US D561,329 S**
McMichael et al. (45) **Date of Patent:** **** Feb. 5, 2008**

(54) **LOW PROFILE TRANSPYLORIC JEJUNOSTOMY CATHETER** 4,610,673 A 9/1986 Russo
4,613,323 A 9/1986 Norton et al.

(75) Inventors: **Donald J. McMichael**, Roswell, GA (US); **Mark Elliott Foster**, Cumming, GA (US) (Continued)

FOREIGN PATENT DOCUMENTS

(73) Assignee: **Kimberly-Clark Worldwide, Inc.**, Neenah, WI (US) CA 628292 10/1961

(Continued)

(**) Term: **14 Years** OTHER PUBLICATIONS

(21) Appl. No.: **29/267,081** JP 08215303 a, Aug. 27, 1996, Yuji, Abstract Only.

(22) Filed: **Oct. 4, 2006** (Continued)

Related U.S. Application Data

(63) Continuation of application No. 10/159,514, filed on May 13, 2002, now abandoned.

Primary Examiner—Ian Simmons

Assistant Examiner—Christopher Lee

(74) *Attorney, Agent, or Firm*—Dority & Manning, P.A.

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

(52) **U.S. Cl.** **D24/108; D24/129**

(58) **Field of Classification Search** D24/107, D24/108, 110, 112, 128, 129; 604/204, 174, 604/175, 513, 102.02, 104, 108, 910; 128/DIG. 26
See application file for complete search history.

(57) **CLAIM**

The ornamental design for a low profile transpyloric jejunostomy catheter, as shown and described.

DESCRIPTION

FIG. 1 is a top perspective view of the low profile transpyloric jejunostomy catheter according to the present invention.

FIG. 2 is a side view of the low profile transpyloric jejunostomy catheter illustrated in FIG. 1.

FIG. 3 is a bottom view of the low profile transpyloric jejunostomy catheter illustrated in FIG. 1.

FIG. 4 is an additional side view of the low profile transpyloric jejunostomy catheter illustrated in FIG. 1. The view illustrated is on a side that is opposite FIG. 2.

FIG. 5 is an additional side view of the low profile transpyloric jejunostomy catheter as illustrated in FIG. 1; and,

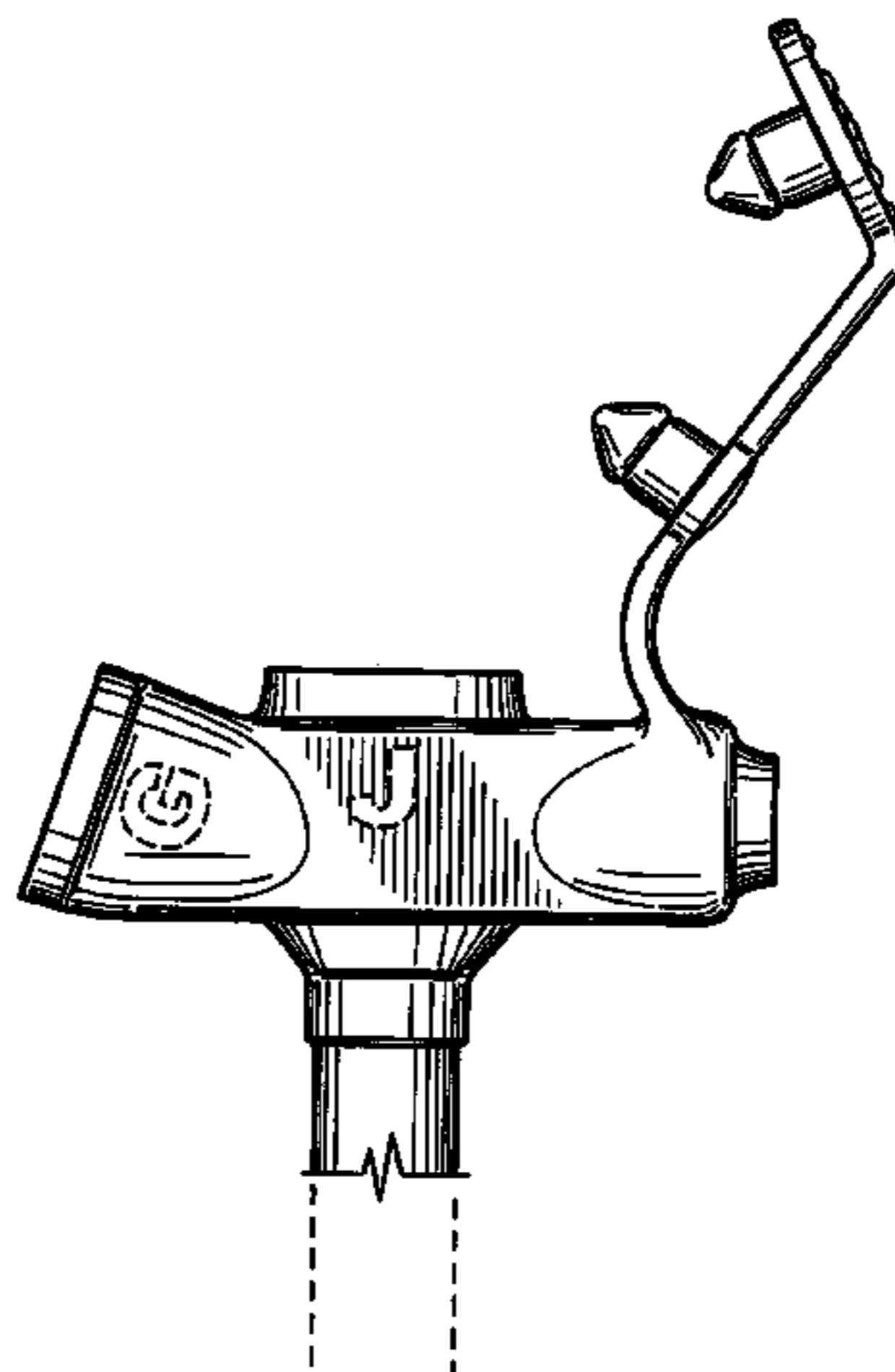
FIG. 6 is an additional side view of the low profile transpyloric jejunostomy catheter illustrated in FIG. 1. The view illustrated is on a side that is opposite FIG. 5.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 3,058,472 A 10/1962 Thornton, Jr.
- 3,459,189 A 8/1969 Alley et al.
- 3,653,388 A 4/1972 Tenckhoff
- 3,742,958 A 7/1973 Rundles
- 3,802,418 A 4/1974 Clayton
- 3,893,446 A 7/1975 Miller
- 3,915,171 A 10/1975 Shermeta
- 4,315,513 A 2/1982 Nawash et al.
- 4,344,434 A 8/1982 Robertson
- 4,356,824 A 11/1982 Vazquez
- 4,393,873 A 7/1983 Nawash et al.
- RE31,855 E 3/1985 Osborne
- 4,543,089 A 9/1985 Moss
- 4,579,120 A 4/1986 MacGregor
- 4,581,025 A 4/1986 Timmermans

1 Claim, 3 Drawing Sheets



US D561,329 S

U.S. PATENT DOCUMENTS

4,642,092 A 2/1987 Moss
 4,649,913 A 3/1987 Watson
 4,666,433 A 5/1987 Parks
 4,668,225 A 5/1987 Russo et al.
 4,676,778 A 6/1987 Nelson, Jr.
 4,685,901 A 8/1987 Parks
 4,692,152 A 9/1987 Emde
 4,698,056 A 10/1987 Dciannella
 4,701,163 A 10/1987 Parks
 4,758,219 A 7/1988 Sacks et al.
 4,769,014 A 9/1988 Russo
 4,798,592 A 1/1989 Parks
 4,810,244 A 3/1989 Allen
 4,826,481 A 5/1989 Sacks et al.
 4,834,713 A 5/1989 Suthanthiran
 4,846,791 A 7/1989 Hattler et al.
 4,850,953 A 7/1989 Haber et al.
 4,861,334 A 8/1989 Nawaz
 4,863,438 A 9/1989 Gauderer et al.
 4,867,745 A 9/1989 Patel
 4,900,306 A 2/1990 Quinn et al.
 D308,576 S 6/1990 Iversen
 4,944,732 A 7/1990 Russo
 5,007,900 A 4/1991 Picha et al.
 5,009,639 A 4/1991 Keymling
 5,026,352 A 6/1991 Anderson
 5,037,387 A 8/1991 Quinn et al.
 5,057,093 A 10/1991 Clegg et al.
 5,059,170 A 10/1991 Cameron
 5,071,405 A 12/1991 Piontek et al.
 5,073,166 A 12/1991 Parks et al.
 5,078,701 A 1/1992 Grassi et al.
 5,080,650 A 1/1992 Hirsch et al.
 5,092,850 A 3/1992 Buma
 5,098,378 A 3/1992 Piontek et al.
 5,102,396 A 4/1992 Bommarito
 5,112,310 A 5/1992 Grobe
 5,114,398 A 5/1992 Trick et al.
 5,125,897 A 6/1992 Quinn et al.
 5,152,756 A 10/1992 Quinn et al.
 5,167,627 A 12/1992 Clegg et al.
 5,234,417 A 8/1993 Parks et al.
 5,242,389 A 9/1993 Schrader et al.
 5,248,302 A 9/1993 Patrick et al.
 5,250,040 A 10/1993 Parks et al.
 5,267,969 A 12/1993 Hirsch et al.
 5,279,553 A 1/1994 Winkler et al.
 5,290,250 A 3/1994 Bommarito
 5,318,530 A 6/1994 Nelson, Jr.
 5,336,203 A 8/1994 Goldhardt et al.
 5,342,321 A 8/1994 Potter
 D350,393 S 9/1994 Potter
 5,370,610 A 12/1994 Reynolds
 5,399,173 A 3/1995 Parks et al.
 5,401,241 A 3/1995 Delany
 5,411,491 A 5/1995 Goldhardt et al.
 D360,030 S 7/1995 Michels et al.
 5,451,216 A 9/1995 Quinn
 5,520,662 A 5/1996 Moss
 5,527,280 A 6/1996 Goelz
 5,549,657 A 8/1996 Stern et al.
 5,556,385 A 9/1996 Anderson
 5,599,322 A 2/1997 Quinn
 5,665,064 A 9/1997 Bodicky et al.
 5,681,294 A 10/1997 Osborne et al.
 5,720,734 A 2/1998 Copenhaver et al.
 5,772,255 A 6/1998 Osborne et al.
 5,810,787 A 9/1998 Quinn
 5,851,195 A 12/1998 Gill
 5,860,952 A 1/1999 Quinn
 5,860,960 A 1/1999 Quinn

5,865,816 A 2/1999 Quinn
 5,871,467 A 2/1999 Reuning et al.
 5,891,113 A 4/1999 Quinn
 5,902,285 A 5/1999 Kudsk et al.
 5,910,128 A 6/1999 Quinn
 5,989,231 A 11/1999 Snow et al.
 D418,220 S 12/1999 Picha et al.
 5,997,503 A 12/1999 Willis et al.
 5,997,546 A 12/1999 Foster et al.
 6,019,746 A 2/2000 Picha et al.
 6,036,673 A 3/2000 Quinn
 6,039,714 A 3/2000 Cracauer et al.
 6,045,536 A * 4/2000 Meier et al. 604/174
 6,066,112 A 5/2000 Quinn
 6,077,243 A 6/2000 Quinn
 6,090,073 A 7/2000 Gill
 6,093,179 A 7/2000 O'Hara et al.
 6,165,168 A 12/2000 Russo
 6,183,465 B1 2/2001 Meier et al.
 6,231,547 B1 5/2001 O'Hara
 6,264,631 B1 7/2001 Willis et al.
 D448,848 S * 10/2001 Clark et al. D24/129
 6,322,495 B1 11/2001 Snow et al.
 6,328,720 B1 12/2001 McNally et al.
 6,458,106 B1 10/2002 Meier et al.
 6,464,686 B1 10/2002 O'Hara et al.
 6,471,676 B1 10/2002 DeLegge et al.
 6,878,130 B2 * 4/2005 Fournie et al. 604/100.01
 6,997,909 B2 2/2006 Goldberg

FOREIGN PATENT DOCUMENTS

CA 2242557 A1 7/1997
 CA 2389150 A1 7/1997
 CA 2389154 A1 7/1997
 CA 2350480 A1 6/2000
 EP 0853937 A1 7/1998
 EP 0277367 A1 8/1998
 EP 1295586 A1 3/2003
 EP 1295622 A1 3/2003
 FR 791563 12/1935
 FR 676943 6/1949
 FR 1006845 12/1949
 GB 2147811 A 5/1985
 WO WO-97/25095 7/1997
 WO WO-00/23136 4/2000
 WO WO-00/32260 6/2000
 WO WO-01/26723 A2 4/2001
 WO WO-01/60313 A1 8/2001
 WO WO-02/087492 A1 11/2002

OTHER PUBLICATIONS

Gauderer, M.W.L. et al., "The Gastrostomy "Button"—A Simple, Skin-Level, Nonrefluxing Device for Long-Term Enteral Feedings", *Journal of Pediatric Surgery*, vol. 10, No. 6, Dec. 1984, pp. 241-245.
 Hugh, M.M. et al., "The Gastrostomy Feeding Button™," *Pediatric Nursing*, vol. 13, No. 4, Jul.-Aug. 1987, pp. 241-245.
 Gauderer, M.W.L. et al., "Feeding Gastrostomy Button: Experience and Recommendations," *Journal of Pediatric Surgery*, vol. 23, No. 1, Jan. 1988, pp. 24-28.
 Foutch, P.G. et al., "The Gastrostomy Button: A Prospective Assessment of Safety, Success, and Spectrum of Use," *Gastrointestinal Endoscopy*, vol. 35, No. 1, 1989, pp. 41-44.
 Reynolds, E. et al., "Alternatives in Gastrostomy Management: The Button," *Journal of Enterostomal Therapy*, vol. 16, No. 3, May-Jun. 1989, pp. 134-136.
 Fuller, N.A., "The Gastro-port: An Alternative to the Button," *Journal of Enterostomal Therapy*, vol. 18, No. 1, Jan.-Feb. 1991, pp. 39-40.

US D561,329 S

Page 3

Product Brochure, MIC-“KEY” Skin Level Gastrostomy Feeding Ki, Medical Innovations Corporation, Milpitas, CA., 5 pages, 1991.

Goldberg, B., U.S. Patent Application, “Low Profile Gastrostomy/Jejunostomy Tube”.

Product Brochure, Triple-Port Gastrostomy Catheters, Entech. Inc., Enteral Technology, Lebanon, NJ, 5 pages.

Product Brochure, THE BUTTON™ Replacement Gastrostomy Device, BARD, 3 pages.

Product Page, NBS NARCO Bio-Systems, Houston, TX, “A New Motility Measurement System”, 1 page.

“The Moss G-Tube Peg Kit Has It All”, undated.

* cited by examiner

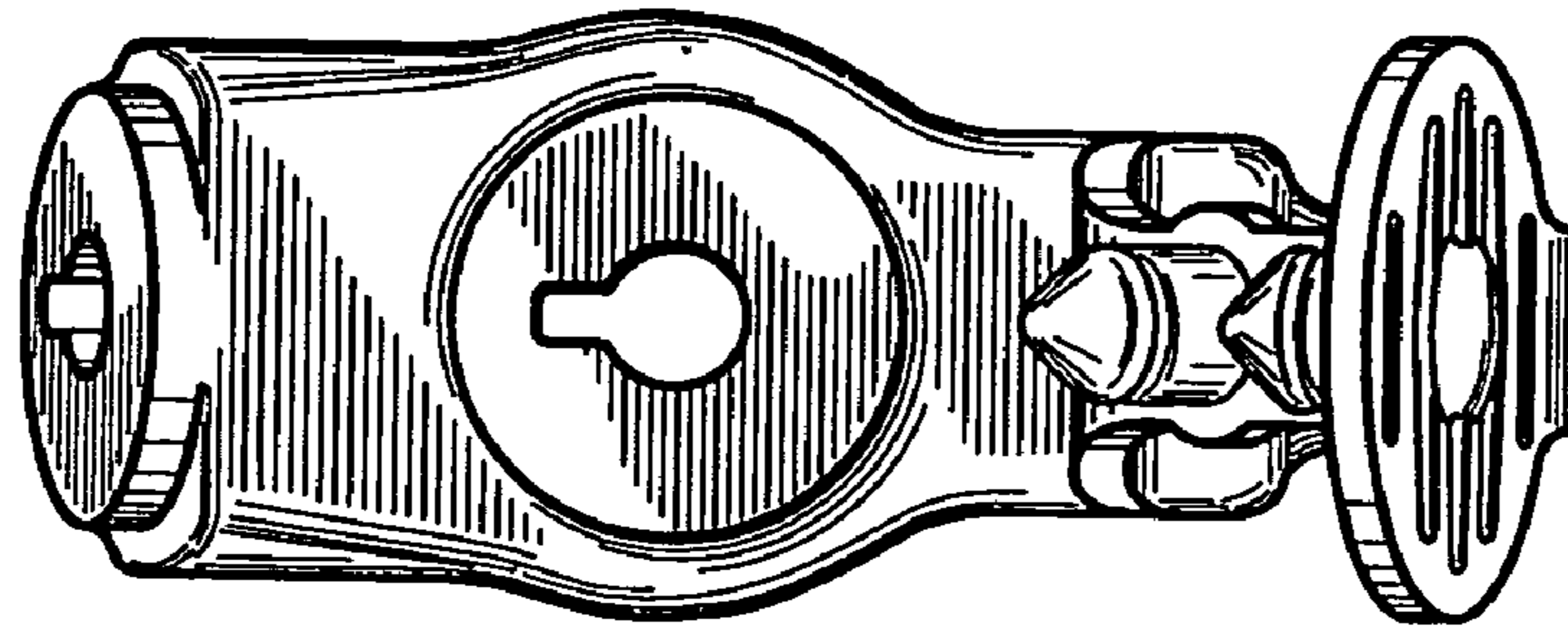


Fig. 1

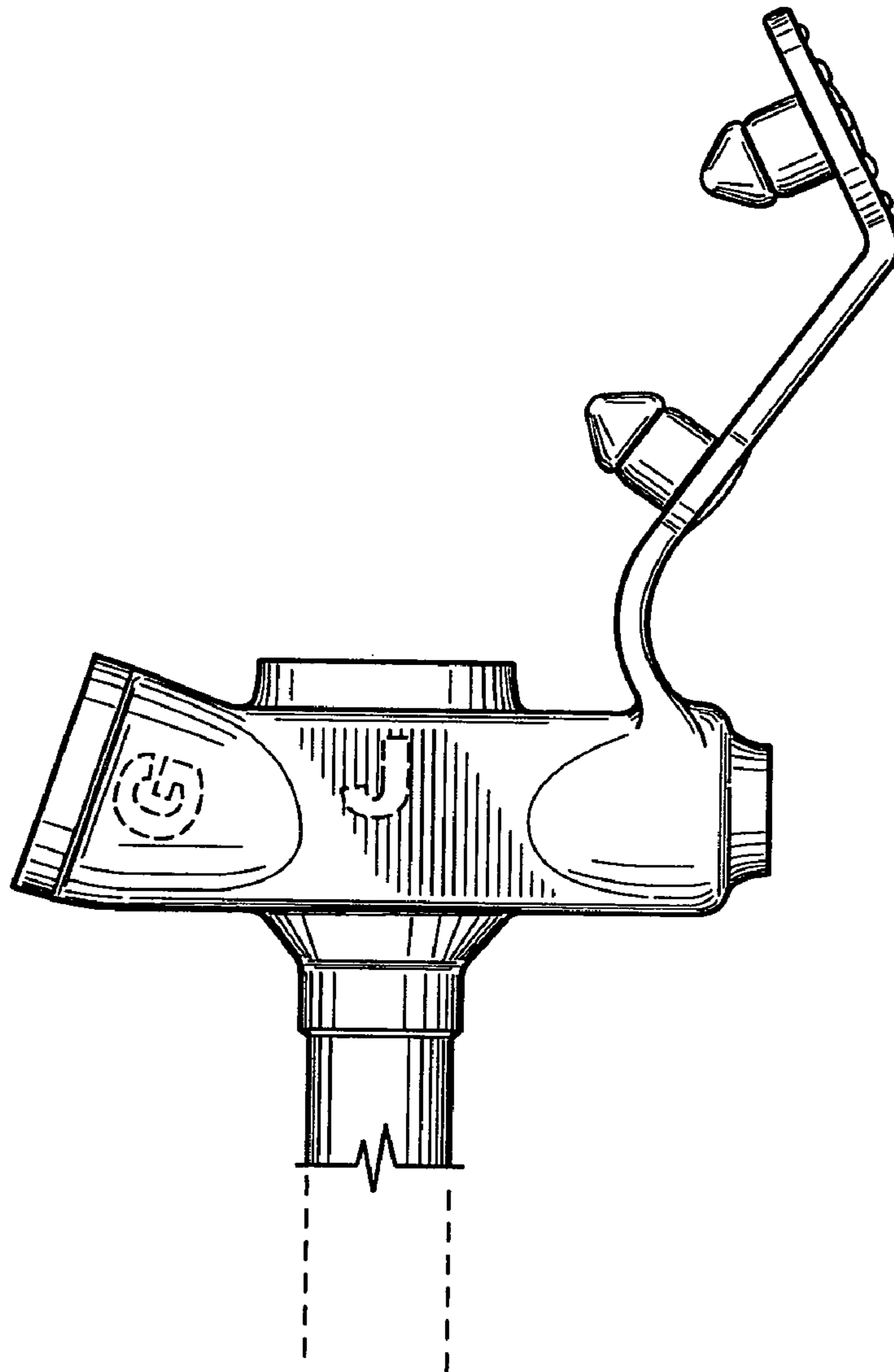


Fig. 2

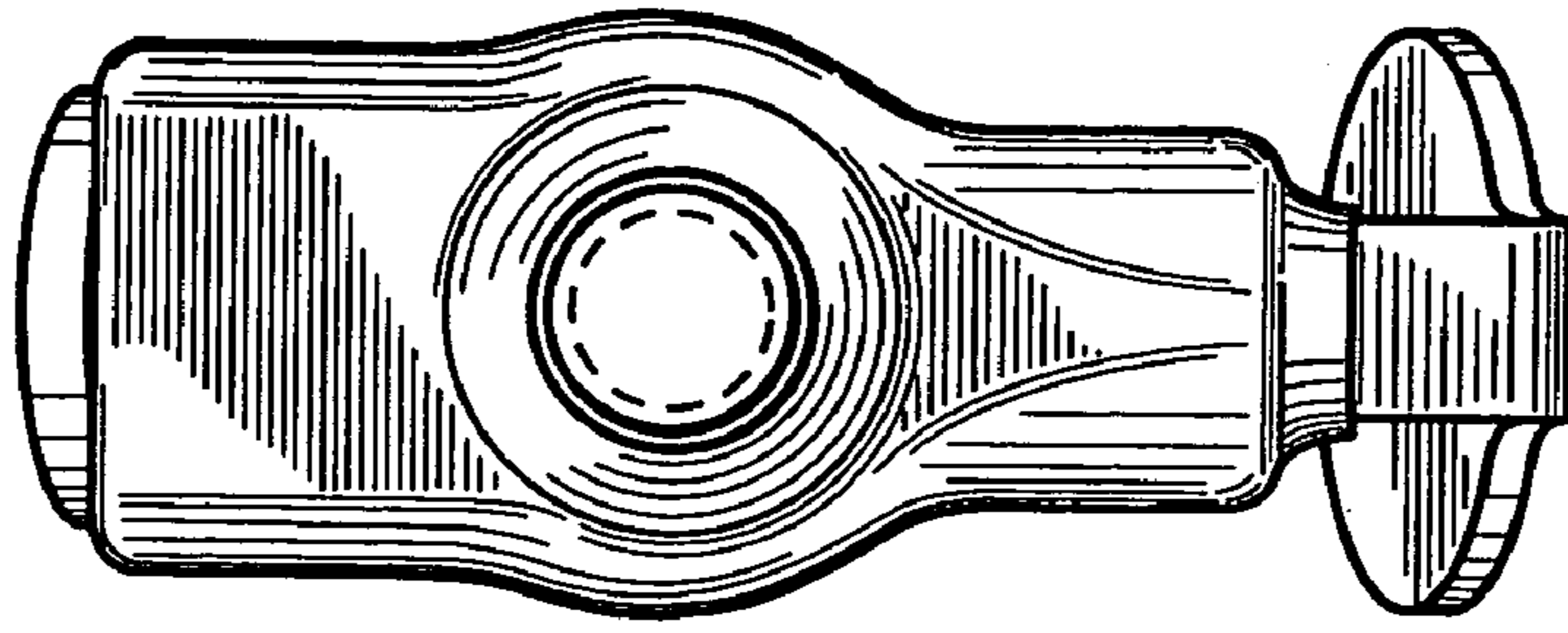


Fig. 3

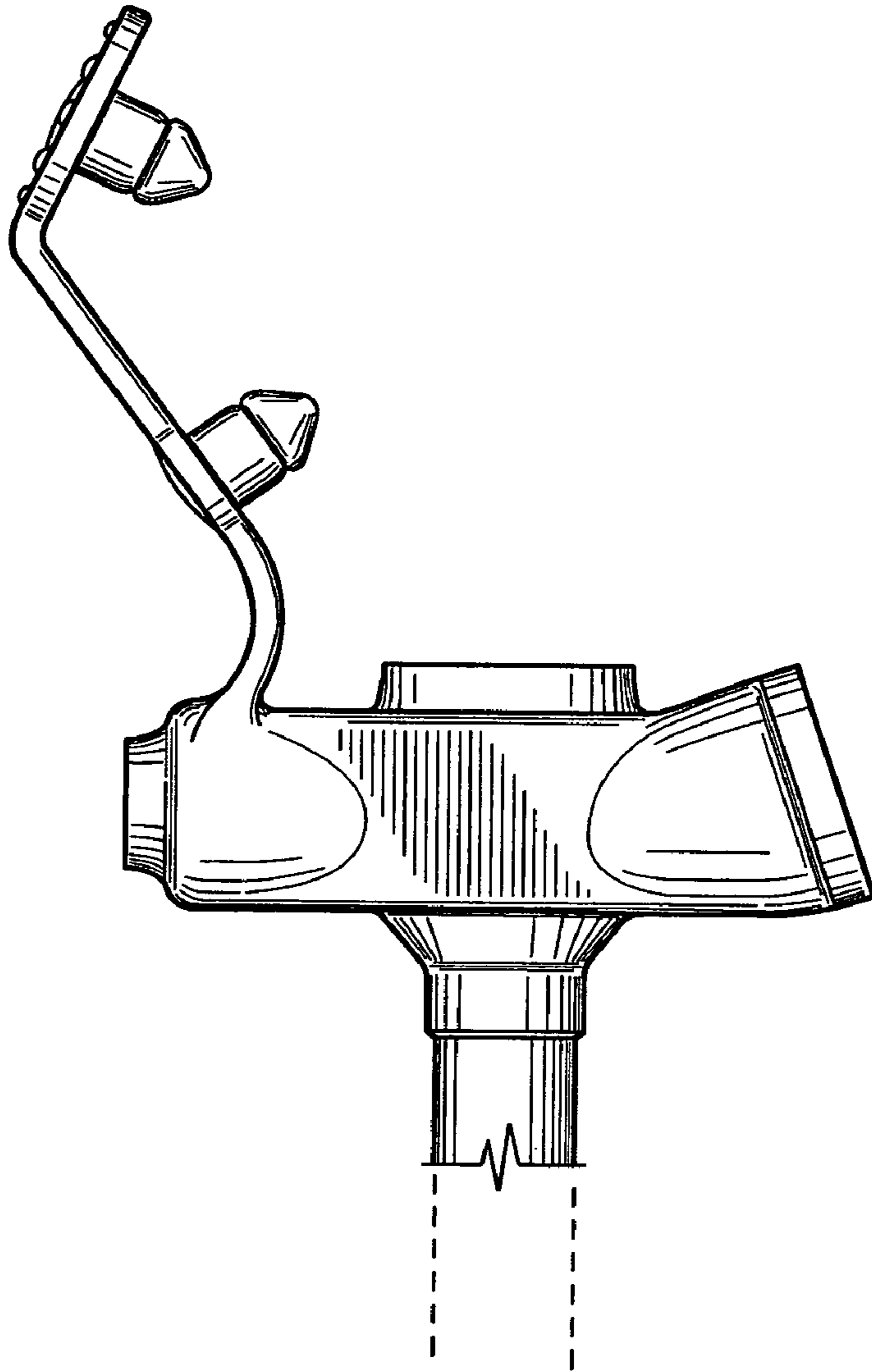


Fig. 4

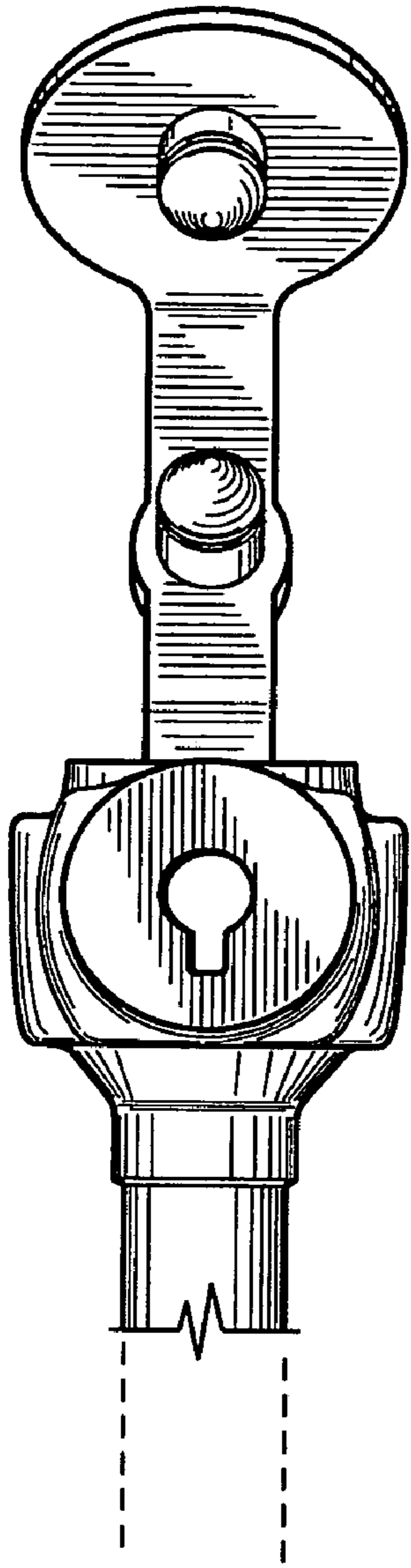


Fig. 5

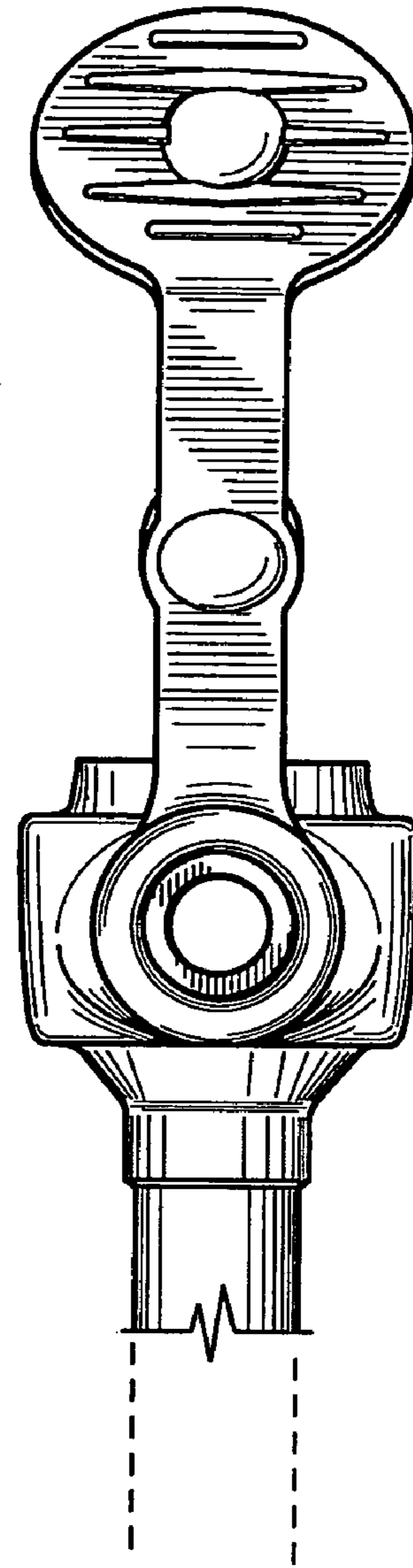


Fig. 6