



US00D790060S

(12) **United States Design Patent** (10) **Patent No.:** **US D790,060 S**
Nering (45) **Date of Patent:** **** Jun. 20, 2017**

(54) **CURVED TISSUE FASTENING DEVICE**

(71) Applicant: **Ethicon, Inc.**, Somerville, NJ (US)

(72) Inventor: **Robert Nering**, Stockton, NJ (US)

(73) Assignee: **Ethicon, Inc.**, Somerville, NJ (US)

(**) Term: **15 Years**

(21) Appl. No.: **29/557,002**

(22) Filed: **Mar. 4, 2016**

Related U.S. Application Data

(62) Division of application No. 29/509,958, filed on Nov. 24, 2014, now Pat. No. Des. 754,855.

(51) **LOC (10) Cl.** **24-02**

(52) **U.S. Cl.**
USPC **D24/145**

(58) **Field of Classification Search**
USPC D24/145; 606/60, 75, 139, 213, 215,
606/219, 220, 221, 232; 227/902
CPC ... A61B 17/24; A61B 17/083; A61B 17/0401;
A61B 17/0643; A61B 17/0682; A61B
17/08

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,582,616 A 12/1996 Bolduc
5,662,683 A 9/1997 Kay
5,810,882 A 9/1998 Bolduc

(Continued)

FOREIGN PATENT DOCUMENTS

EP 0121362 10/1984
EP 0847727 6/1998

(Continued)

Primary Examiner — Wan Laymon

Assistant Examiner — Mark Booker

(74) *Attorney, Agent, or Firm* — Doherty IP Law Group LLC

(57) **CLAIM**

The ornamental design for a curved tissue fastening device, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a curved tissue fastening device, in accordance with one embodiment of the present invention;

FIG. 2 is a front elevation view of the curved tissue fastening device shown in FIG. 1;

FIG. 3 is a rear elevation view of the curved tissue fastening device shown in FIG. 1;

FIG. 4 is a right side view of the curved tissue fastening device shown in FIG. 1;

FIG. 5 is a left side view of the curved tissue fastening device shown in FIG. 1;

FIG. 6 is a top plan view of the curved tissue fastening device shown in FIG. 1;

FIG. 7 is a bottom view of the curved tissue fastening device shown in FIG. 1;

FIG. 8 is a perspective view of a curved tissue fastening device, in accordance with a second embodiment of the present invention;

FIG. 9 is a front elevation view of the curved tissue fastening device shown in FIG. 8;

FIG. 10 is a rear elevation view of the curved tissue fastening device shown in FIG. 8;

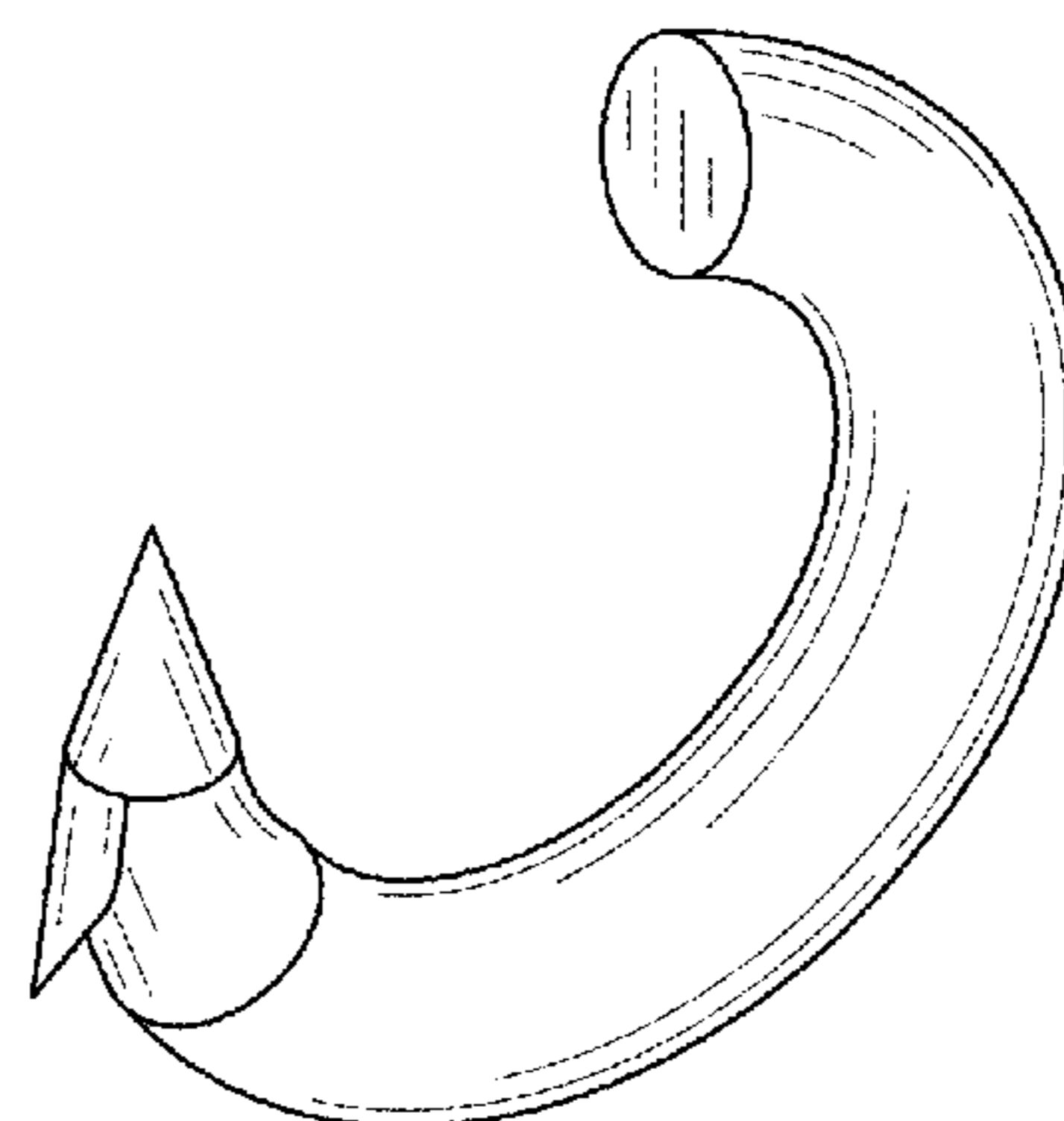
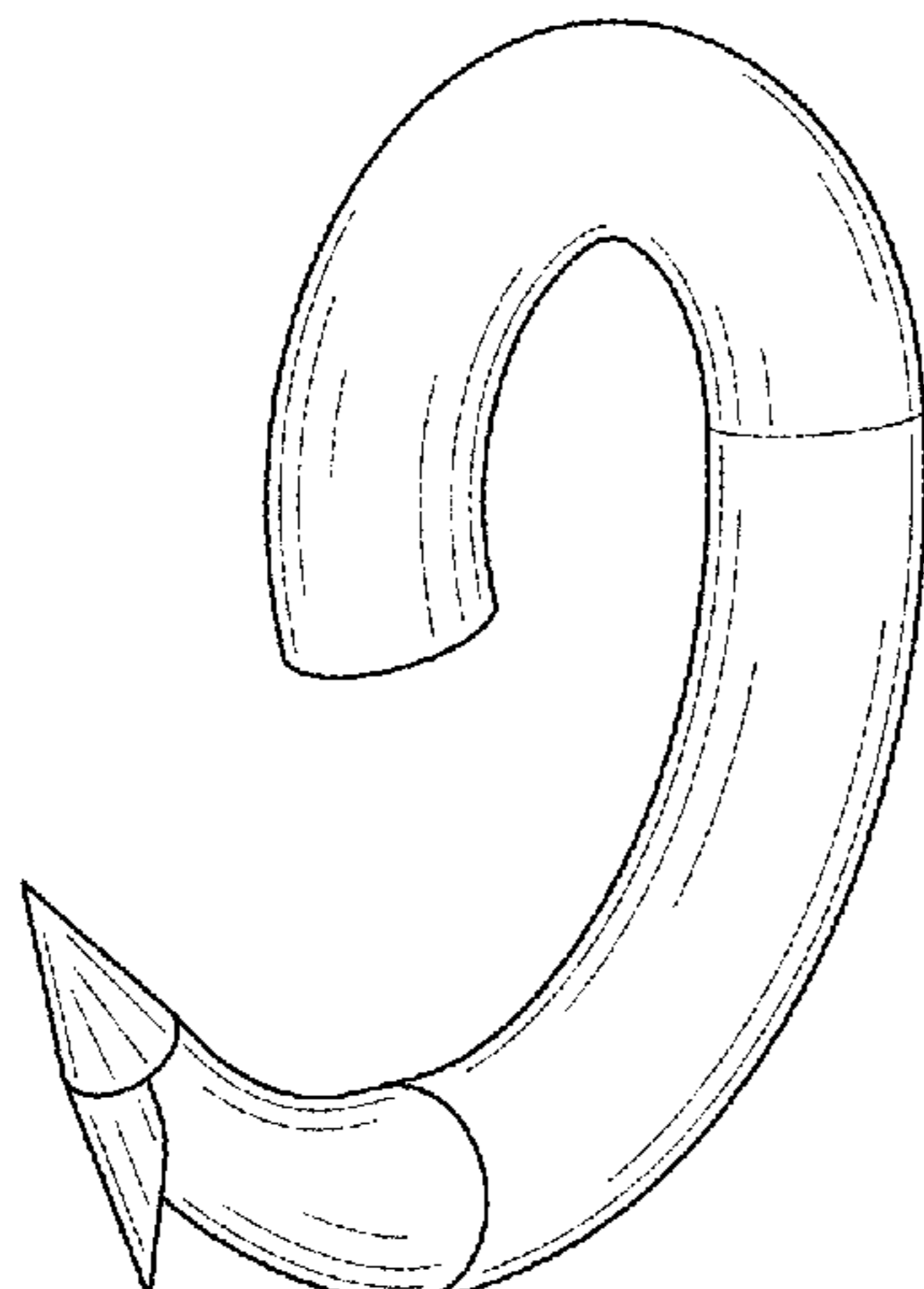
FIG. 11 is a right side view of the curved tissue fastening device shown in FIG. 8;

FIG. 12 is a left side view of the curved tissue fastening device shown in FIG. 8;

FIG. 13 is a top plan view of the curved tissue fastening device shown in FIG. 8; and,

FIG. 14 is a bottom view of the curved tissue fastening device shown in FIG. 8.

1 Claim, 4 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

5,830,221 A 11/1998 Stein et al.
6,296,656 B1 10/2001 Bolduc
6,562,051 B1 5/2003 Bolduc
8,252,006 B2 8/2012 Ortiz
8,388,693 B2 3/2013 Doucet et al.
8,579,919 B2 11/2013 Bolduc
D705,930 S * 5/2014 Cheney D24/145
D744,646 S * 12/2015 Nering D24/145
D754,855 S 4/2016 Nering
D768,297 S * 10/2016 Nering D24/145
D775,336 S * 12/2016 Shelton, IV D24/145
2003/0236551 A1 12/2003 Peterson
2005/0033318 A1 2/2005 Miller
2007/0083235 A1 4/2007 Jervis
2008/0065154 A1* 3/2008 Allard A61B 17/064
606/219
2008/0097523 A1 4/2008 Bolduc
2008/0234705 A1 9/2008 Cropper et al.
2010/0327042 A1 12/2010 Amid et al.
2013/0090685 A1 4/2013 Gonzales et al.

FOREIGN PATENT DOCUMENTS

EP 2263559 12/2010
WO 0057796 10/2000

* cited by examiner

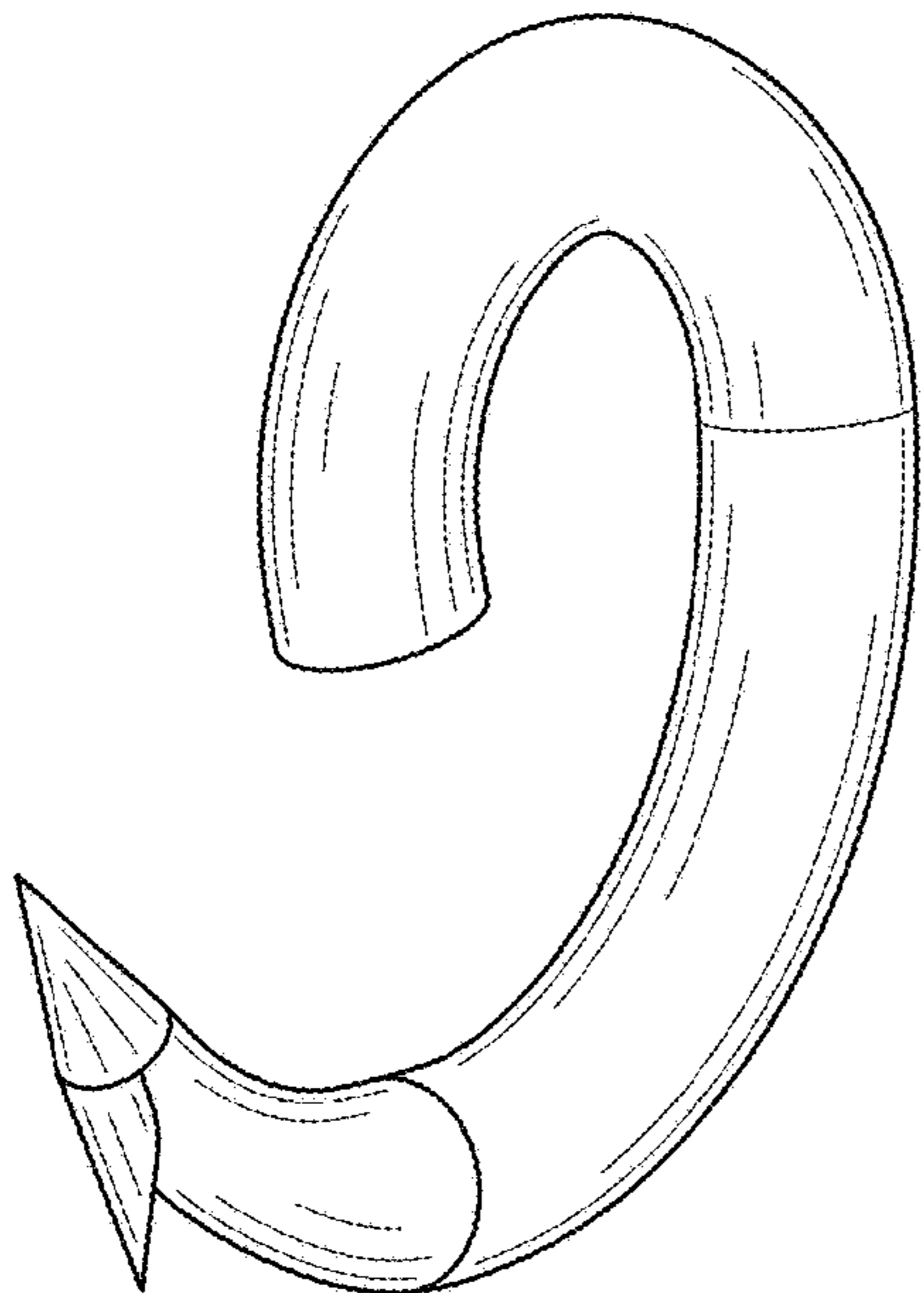


FIG. 1

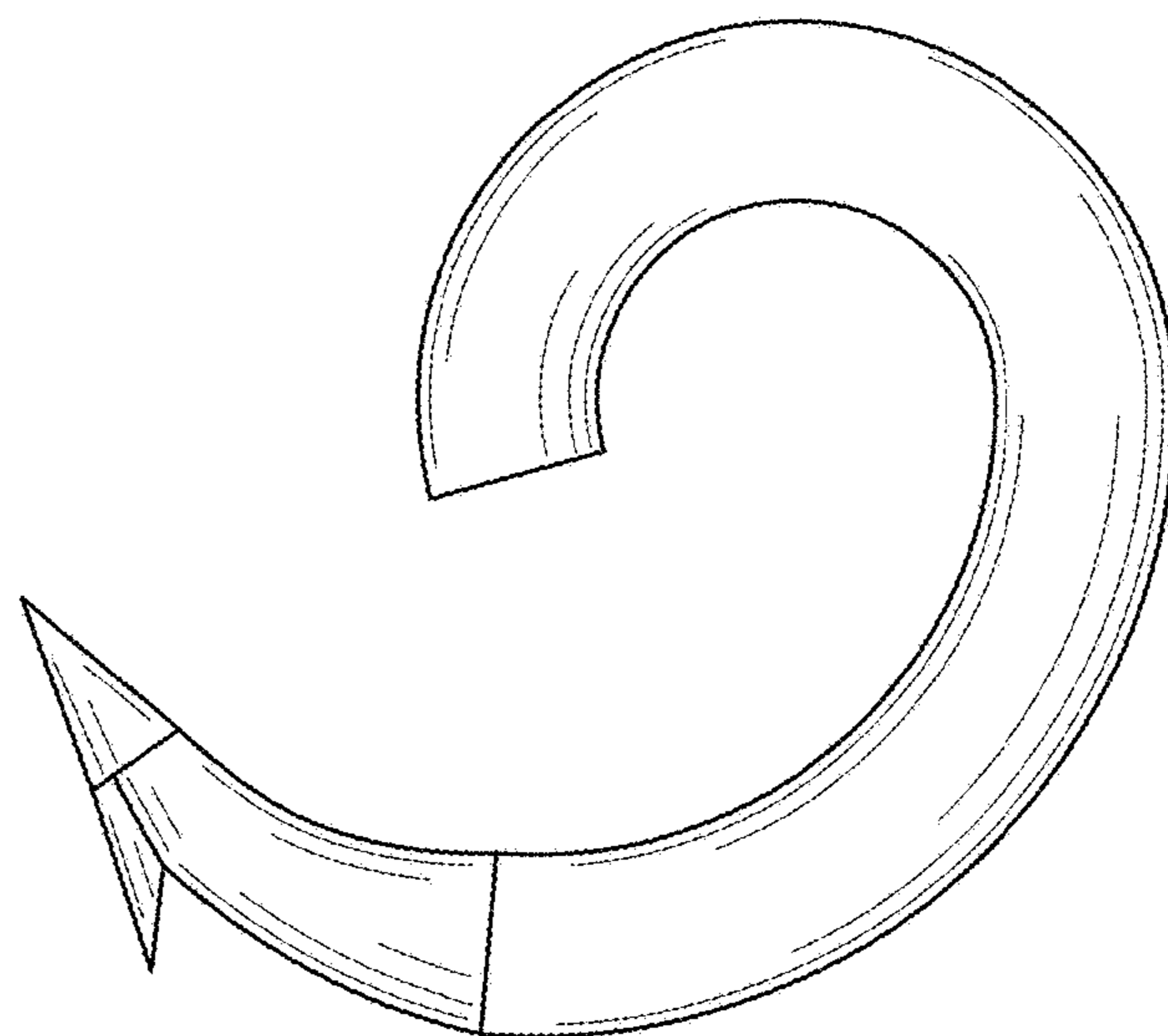


FIG. 2

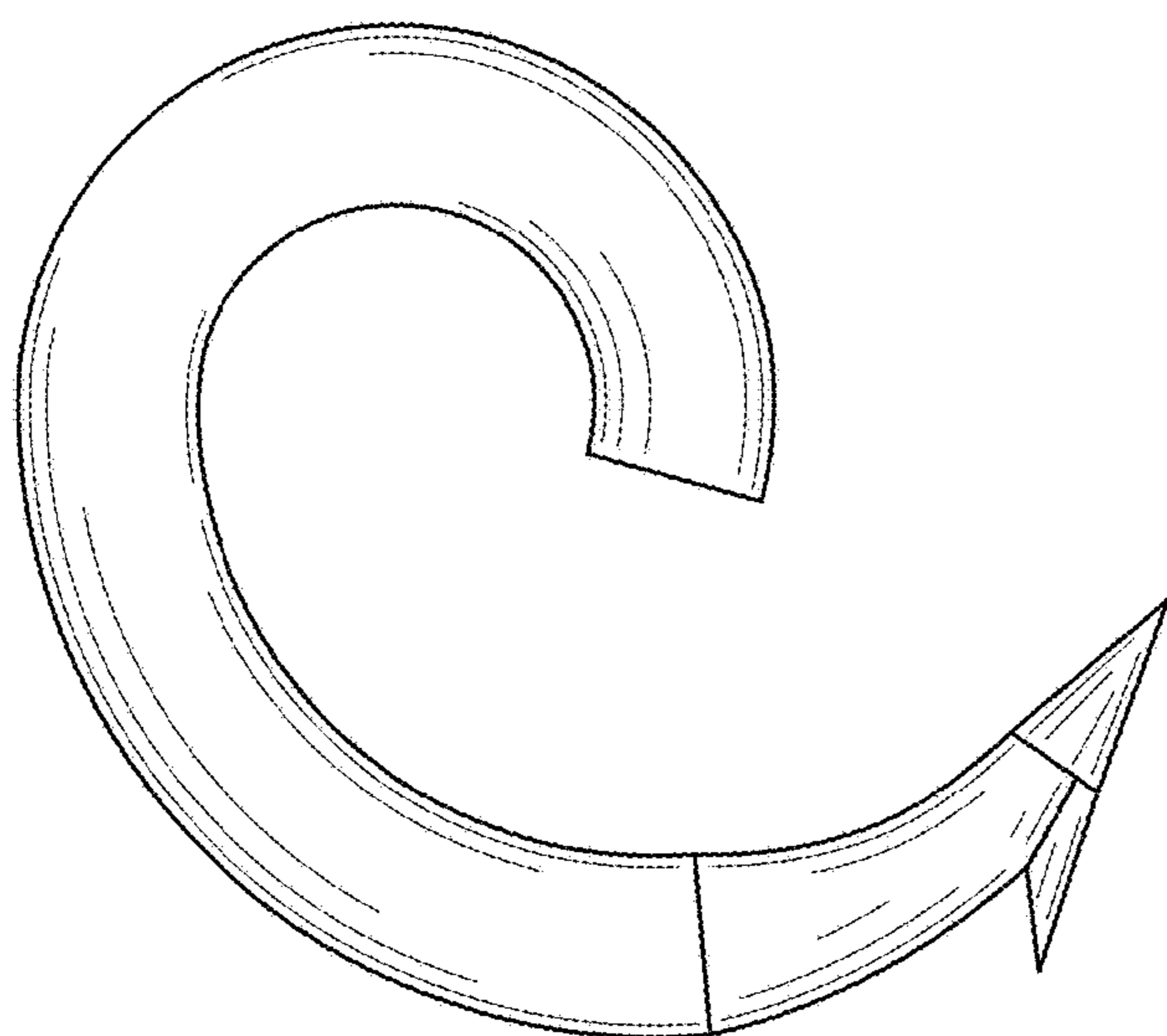


FIG. 3

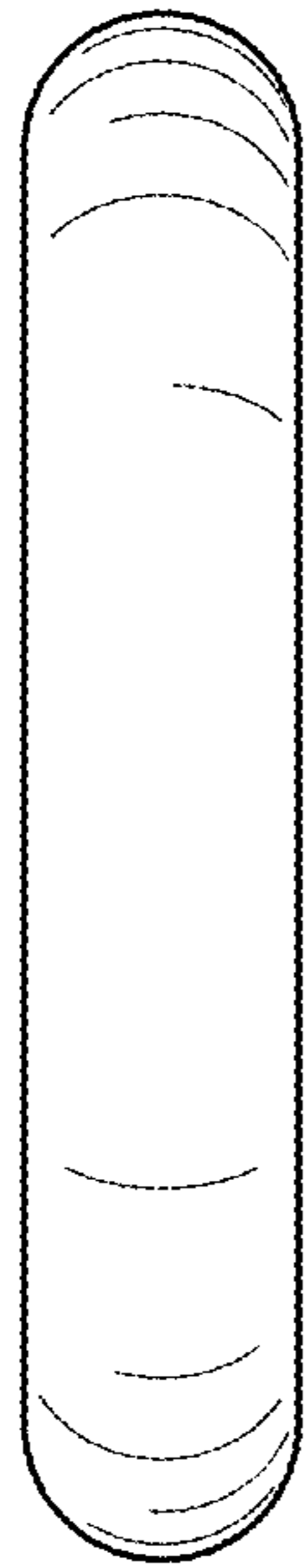


FIG. 4

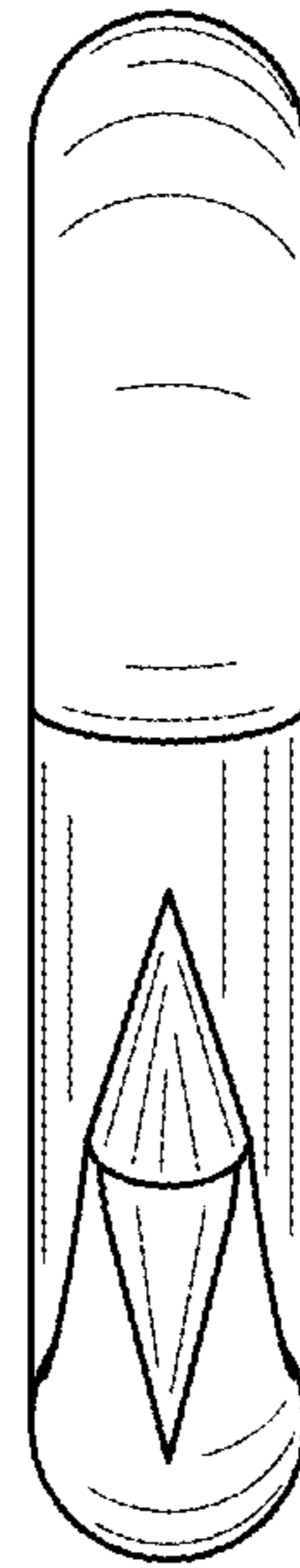


FIG. 5

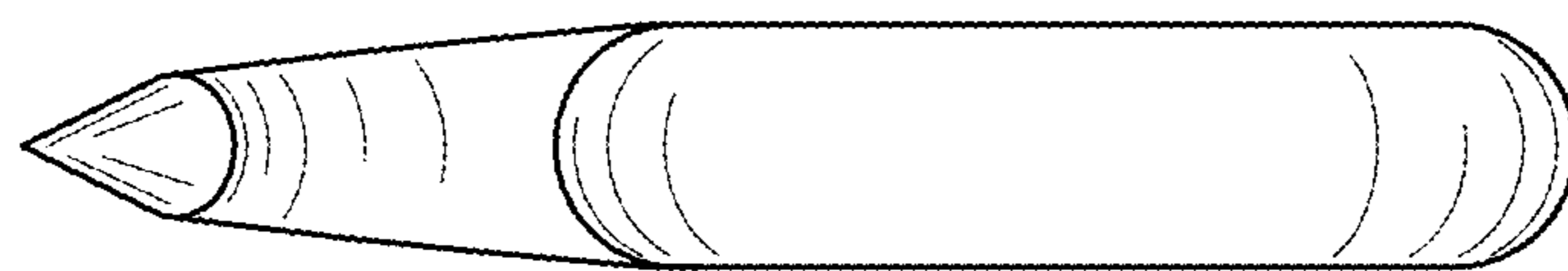


FIG. 6

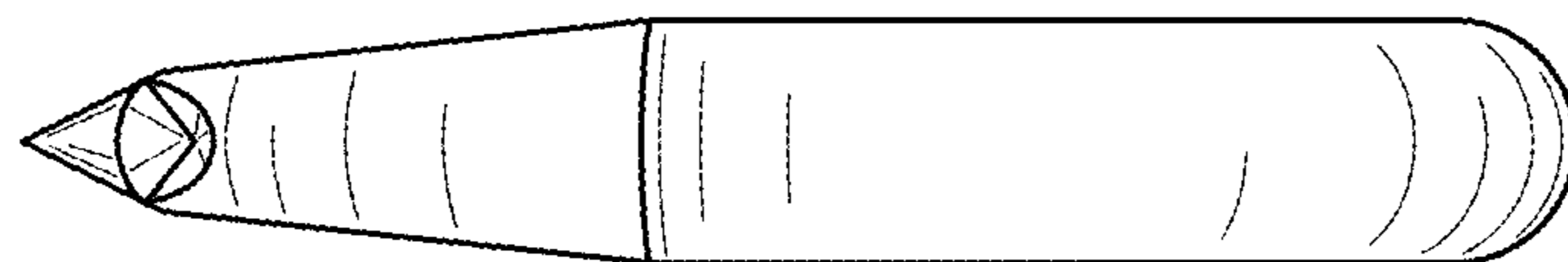


FIG. 7

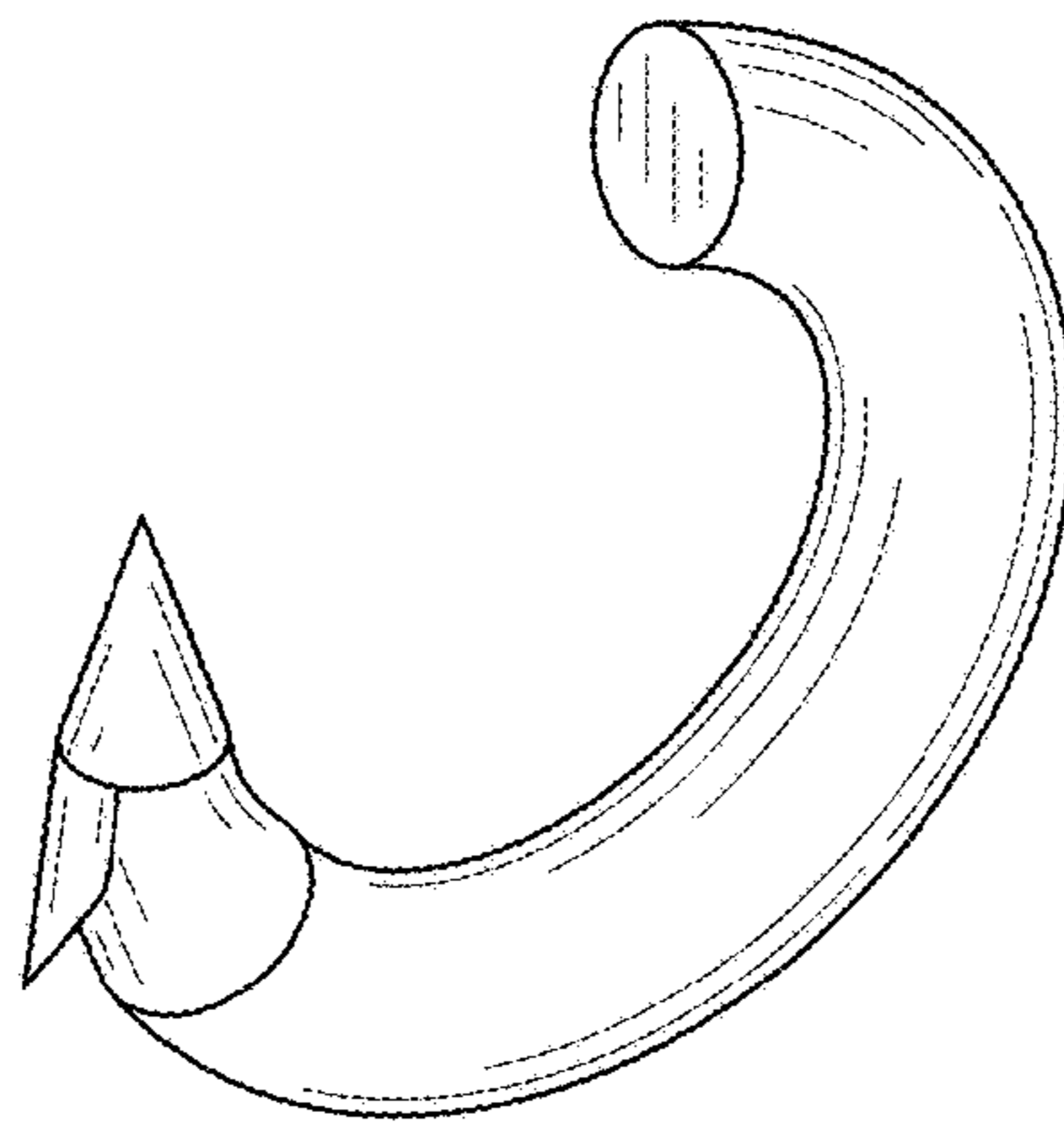


FIG. 8

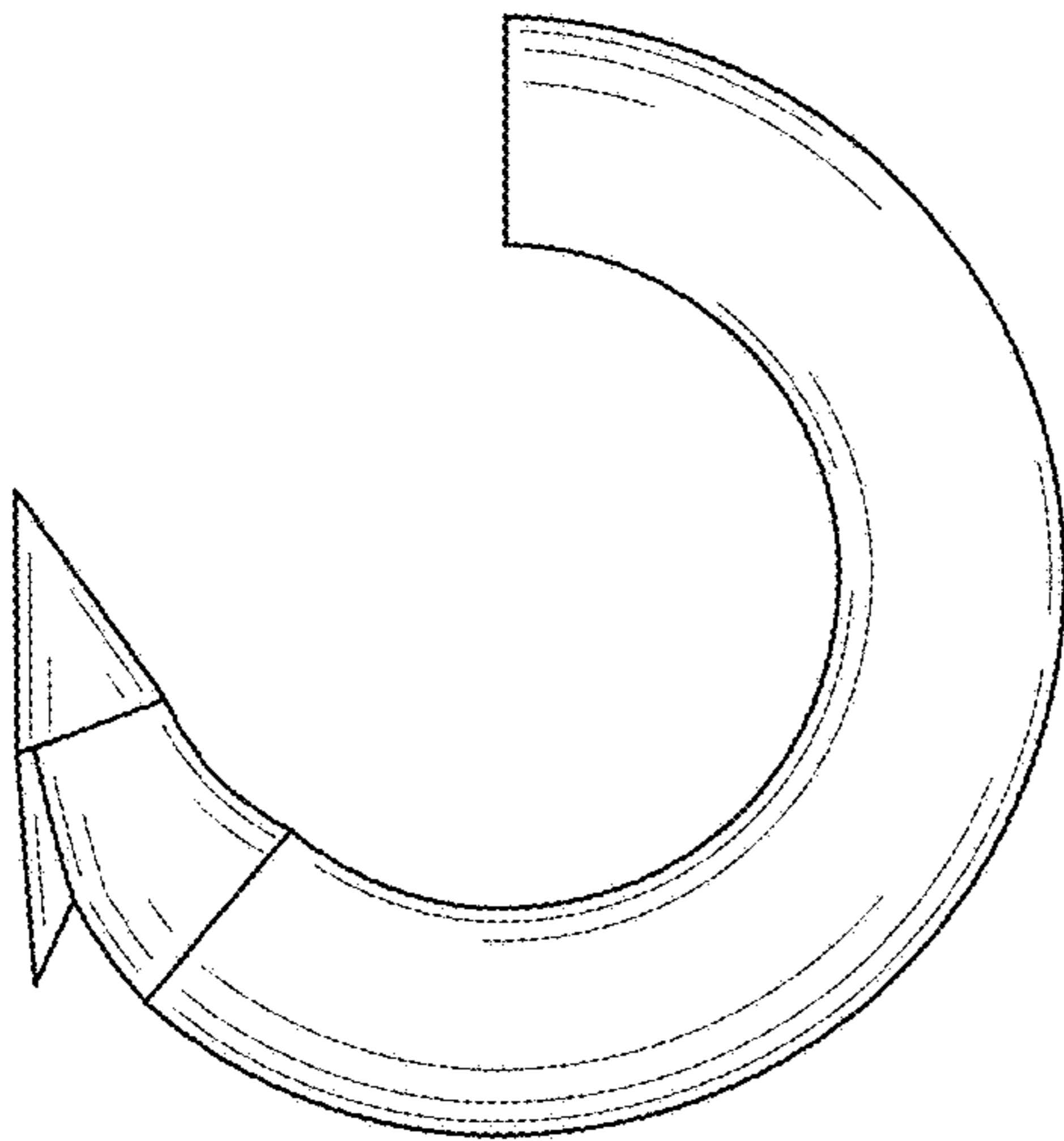


FIG. 9

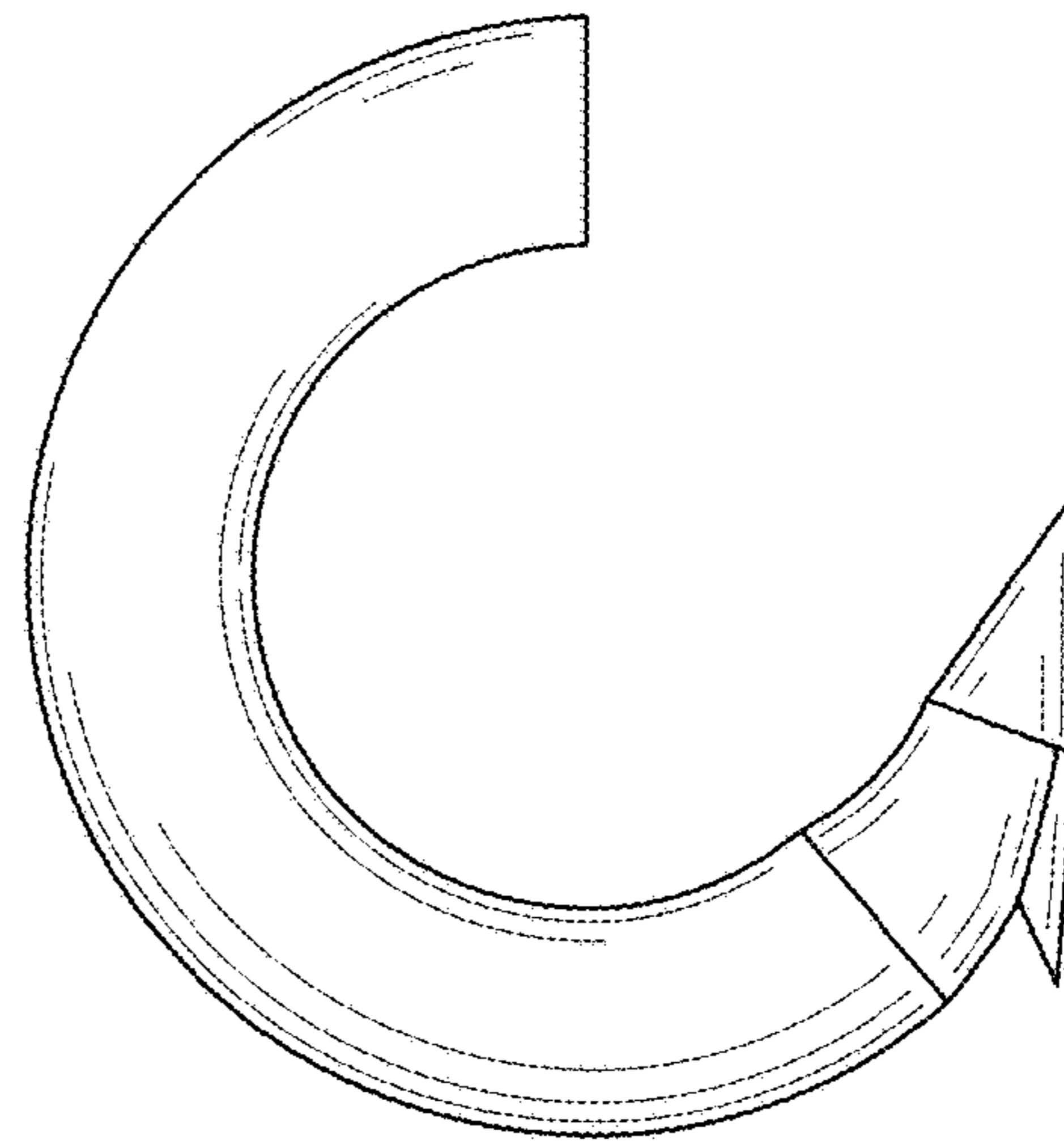


FIG. 10

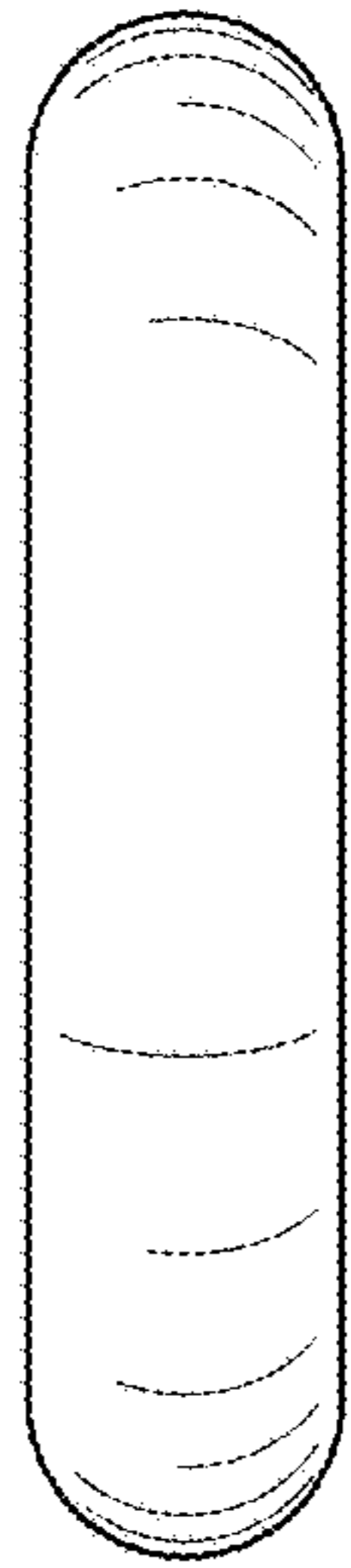


FIG. 11



FIG. 12

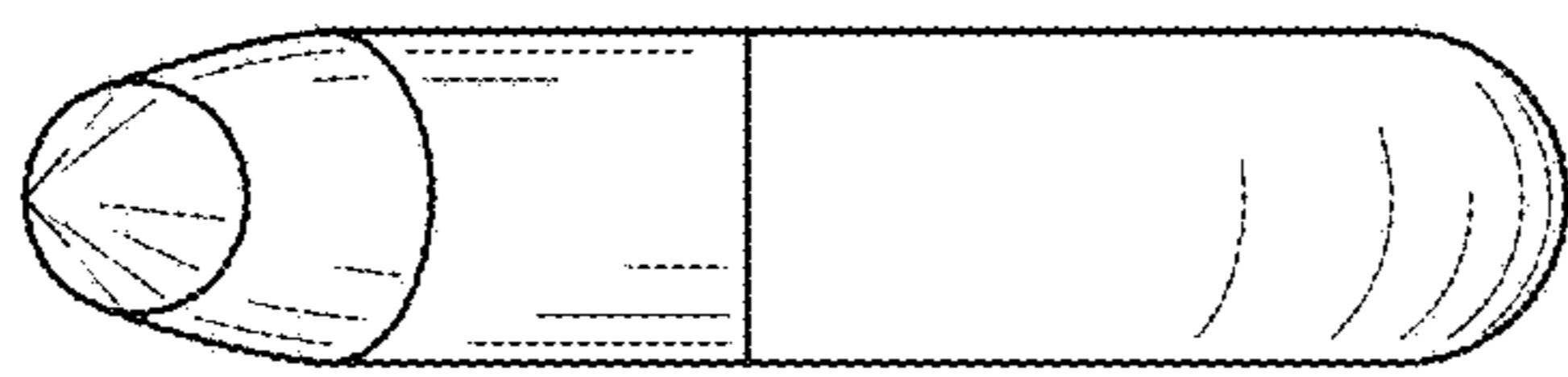


FIG. 13



FIG. 14