



US00D531662S

(12) **United States Design Patent**
Tsuda et al.

(10) **Patent No.:** **US D531,662 S**
(45) **Date of Patent:** **** Nov. 7, 2006**

(54) **TONER CARTRIDGE**

(75) Inventors: **Kiyonori Tsuda**, Kanagawa (JP);
Yoshihide Kawamura, Shizuoka (JP)

(73) Assignee: **Ricoh Company, Ltd.**, Tokyo (JP)

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

(21) Appl. No.: **29/222,479**

(22) Filed: **Feb. 1, 2005**

(51) **LOC (8) Cl.** **16-03**

(52) **U.S. Cl.** **D18/43**

(58) **Field of Classification Search** D18/12,
D18/36, 40, 43, 44, 56; D14/462, 469-471,
D14/474-484; 222/DIG. 1; 347/49, 86, 87,
347/197, 214, 222; 399/24-28, 107-112,
399/119, 222-224; 400/294, 196, 207, 208

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

| | | | | | | |
|-----------|----|---|---------|-----------------|-------|------------|
| D332,280 | S | * | 1/1993 | Yoshida et al. | ..... | D18/43 |
| 5,222,434 | A | * | 6/1993 | Smith et al. | ..... | D18/56 |
| 5,296,900 | A | * | 3/1994 | Saijo et al. | ..... | 222/DIG. 1 |
| 5,500,719 | A | * | 3/1996 | Ichikawa et al. | ..... | 222/DIG. 1 |
| D376,614 | S | * | 12/1996 | Ichikawa et al. | ..... | D18/43 |
| 5,627,631 | A | * | 5/1997 | Ichikawa et al. | ..... | 222/DIG. 1 |
| D384,368 | S | * | 9/1997 | Agata et al. | ..... | D18/43 |
| 5,740,507 | A | * | 4/1998 | Ichikawa et al. | ..... | 222/DIG. 1 |
| D400,916 | S | * | 11/1998 | Ui et al. | ..... | D18/43 |
| D404,758 | S | * | 1/1999 | Koide | ..... | D18/43 |
| 5,966,566 | A | * | 10/1999 | Odagawa et al. | ..... | 399/109 |
| D447,167 | S | * | 8/2001 | Taniyama | ..... | D18/43 |
| 6,289,182 | B1 | * | 9/2001 | Umezawa et al. | ..... | 399/27 |

| | | | | | | |
|--------------|----|---|---------|--------------|-------|------------|
| D450,081 | S | * | 11/2001 | Tsuji et al. | ..... | D18/43 |
| D458,960 | S | * | 6/2002 | Wang et al. | ..... | D18/43 |
| D472,572 | S | * | 4/2003 | Kaiho | ..... | D18/43 |
| 6,546,211 | B1 | * | 4/2003 | Shishikura | ..... | 347/86 |
| 6,785,497 | B1 | * | 8/2004 | Hasebe | ..... | 222/DIG. 1 |
| D500,074 | S | * | 12/2004 | Naraoka | ..... | D18/43 |
| D500,076 | S | * | 12/2004 | Takuwa | ..... | D18/43 |
| 6,859,634 | B1 | * | 2/2005 | Itoh et al. | ..... | 399/27 |
| D505,695 | S | * | 5/2005 | Naraoka | ..... | D18/43 |
| 2003/0113125 | A1 | * | 6/2003 | Yamada | ..... | 399/27 |
| 2003/0133722 | A1 | * | 7/2003 | Kaiho | ..... | 399/27 |
| 2003/0219263 | A1 | * | 11/2003 | Tsuzuki | ..... | 399/27 |
| 2005/0129420 | A1 | * | 6/2005 | Mimura | ..... | 399/27 |

* cited by examiner

Primary Examiner—Caron Veynar

Assistant Examiner—Garth Rademaker

(74) *Attorney, Agent, or Firm*—Dickstein Shapiro LLP

(57) **CLAIM**

The ornamental design for a toner cartridge, as shown and described.

DESCRIPTION

FIG. 1 is a front elevation of a toner cartridge according to the present invention;
FIG. 2 is a rear elevation thereof;
FIG. 3 is a top plan view thereof;
FIG. 4 is a bottom plan view thereof;
FIG. 5 is a right side elevation thereof;
FIG. 6 is a left side elevation thereof; and,
FIG. 7 is a front, top and right side perspective view thereof.
The broken line showing is for illustrative purposes only and forms no part of the claimed design.

1 Claim, 3 Drawing Sheets

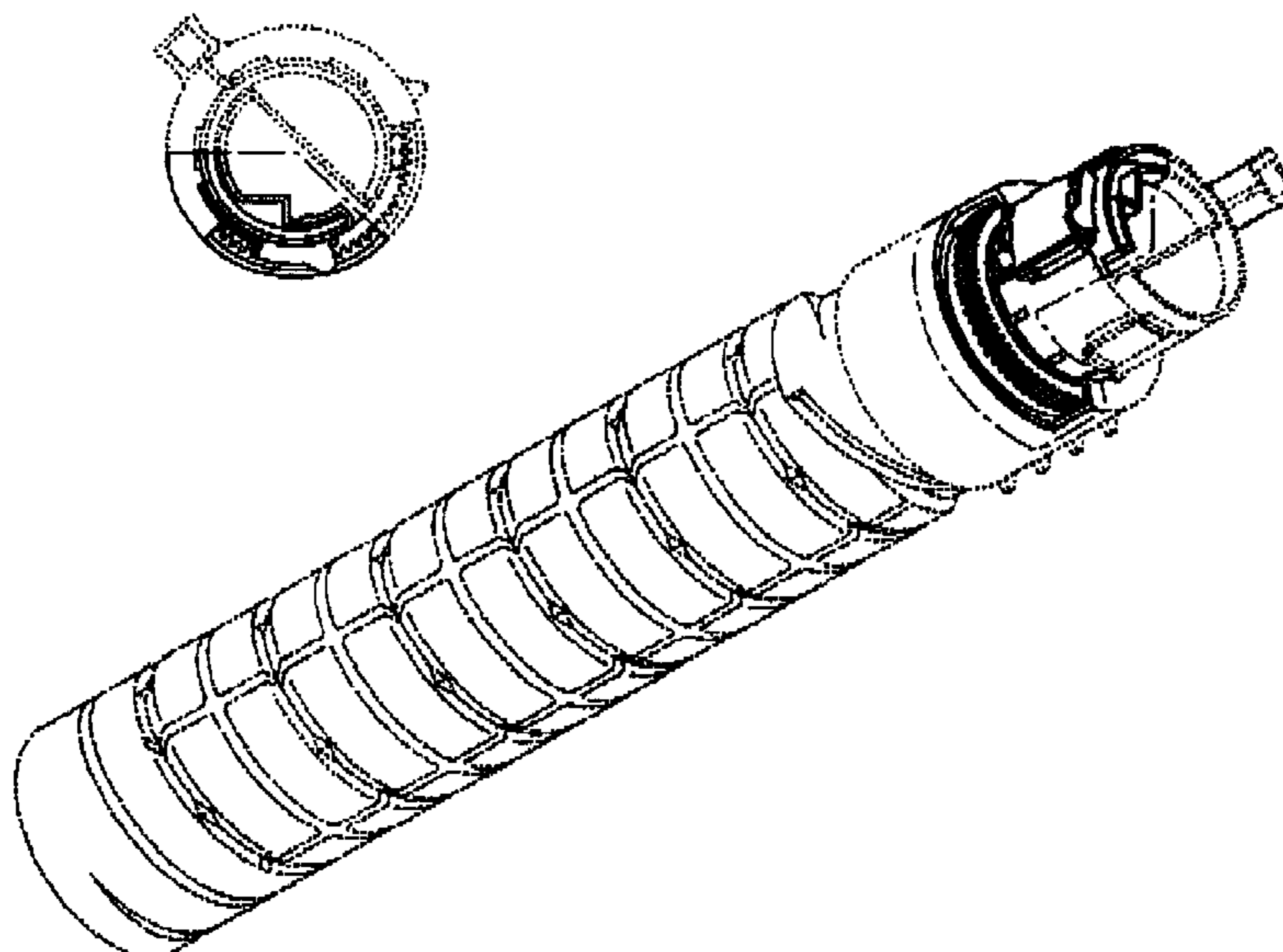


FIG. 1

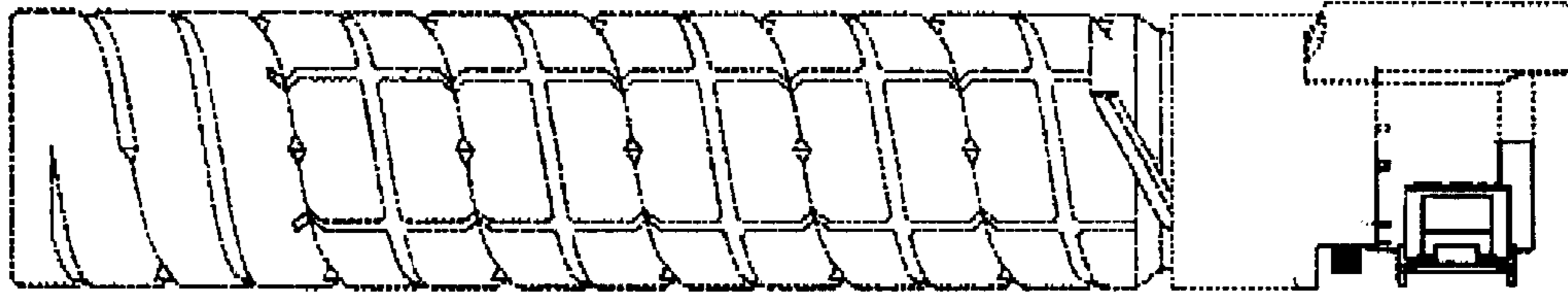


FIG. 2

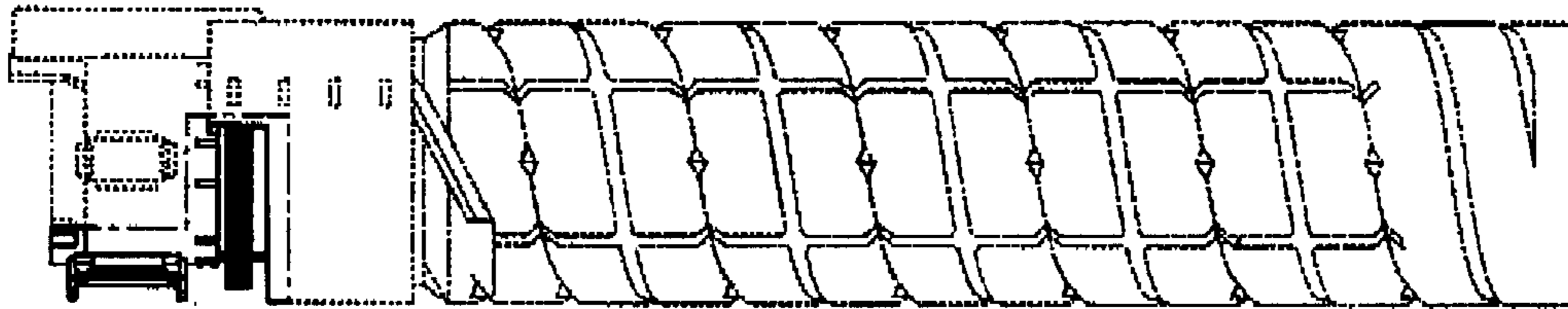


FIG. 3

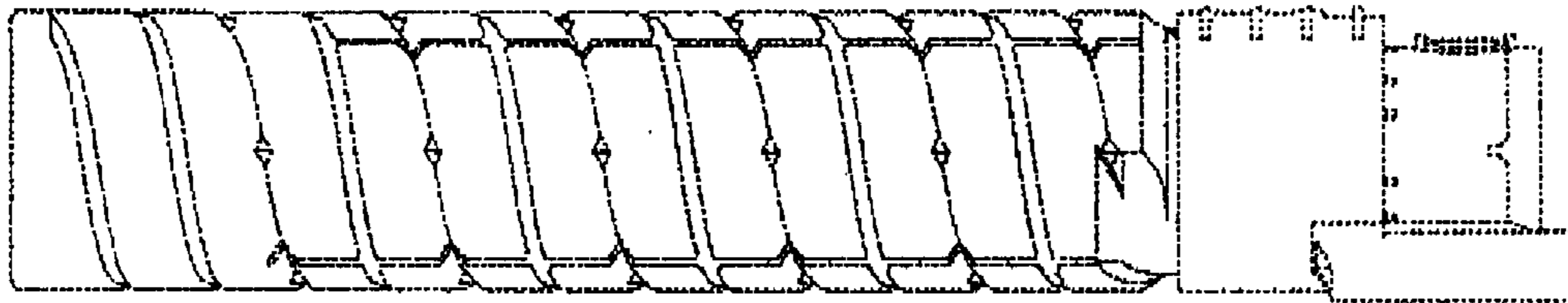


FIG. 4

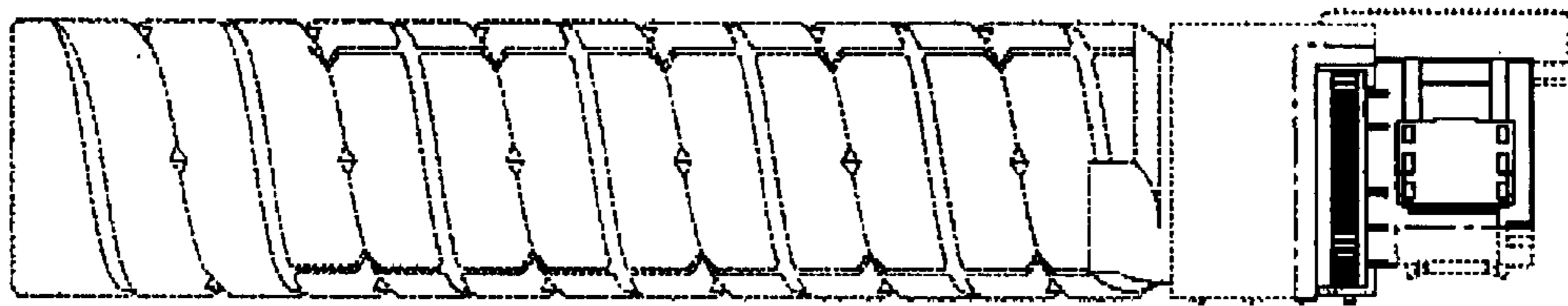


FIG. 5

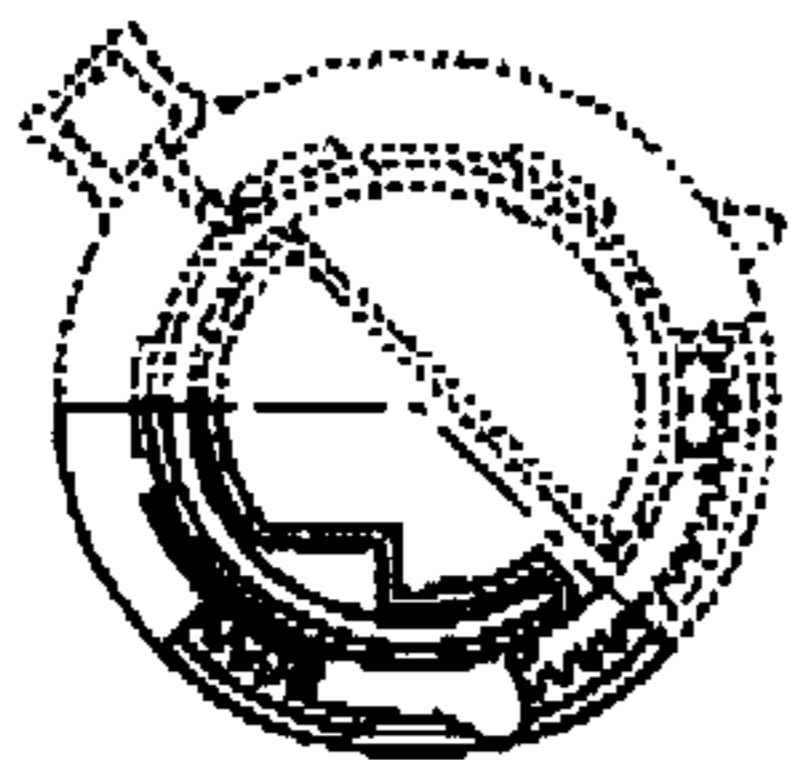


FIG. 6

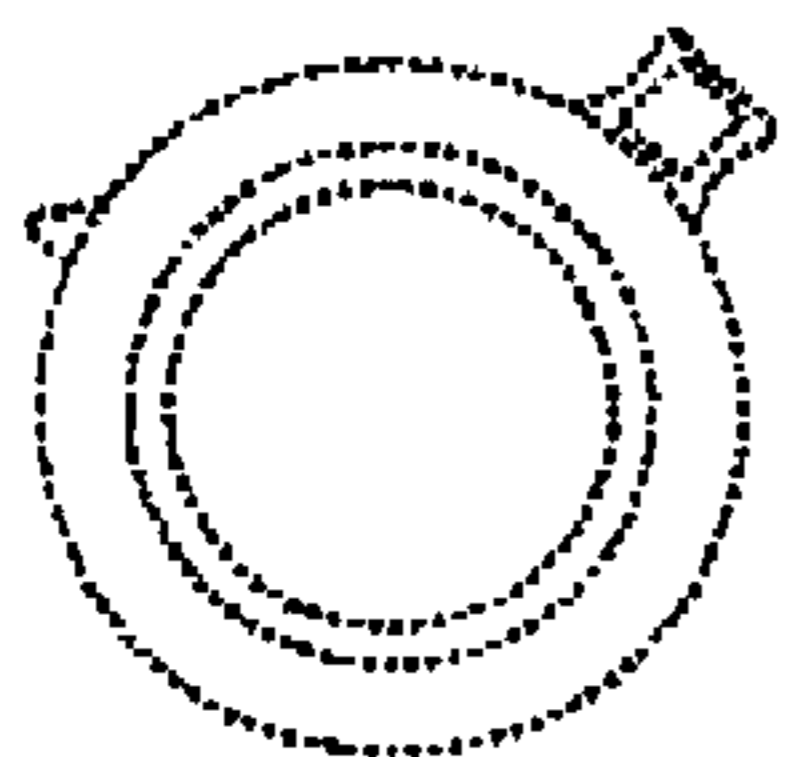


FIG. 7

