



US00D492773S1

(12) **United States Design Patent** (10) **Patent No.:** **US D492,773 S**
Ellingboe et al. (45) **Date of Patent:** **** Jul. 6, 2004**

- (54) **FEMALE CONNECTOR IN A PATIENT TEMPERATURE CONTROL SYSTEM**
- (75) Inventors: **Bruce Ellingboe**, Littleton, CO (US);
Michael R. Høglund, Mead, CO (US);
Gary A. Carson, Golden, CO (US)
- (73) Assignee: **Medivance Incorporated**, Louisville, CO (US)
- (**) Term: **14 Years**
- (21) Appl. No.: **29/165,348**
- (22) Filed: **Aug. 8, 2002**
- (51) **LOC (7) Cl.** **24-02**
- (52) **U.S. Cl.** **D24/129**
- (58) **Field of Search** D24/129, 127,
D24/206; D13/133; 607/104, 107, 109,
114, 108; 439/272, 282

(56) **References Cited**

U.S. PATENT DOCUMENTS

| | | | |
|---------------|---------|-----------------------|-----------|
| 998,804 A | 7/1911 | Salisbury | |
| 2,224,876 A | 12/1940 | Matys | 34/26 |
| 2,250,325 A | 7/1941 | Barnes | 257/12 |
| 2,416,788 A | 3/1947 | Andrews | 34/99 |
| 2,566,600 A | 9/1951 | Colon | 128/65 |
| 2,726,658 A | 12/1955 | Chessey | 128/400 |
| 3,064,649 A | 11/1962 | Fuson | 128/214 |
| 3,460,538 A | 8/1969 | Armstrong | 128/303.1 |
| 3,504,674 A | 4/1970 | Swenson et al. | 128/303.1 |
| 3,824,524 A * | 7/1974 | Glover | 439/282 |
| 3,894,213 A | 7/1975 | Agarwala | 219/297 |
| 4,118,946 A | 10/1978 | Tubin | 62/514 |
| 4,149,529 A | 4/1979 | Copeland et al. | 128/24.1 |
| T994,001 I4 | 5/1980 | Buckberg et al. | 128/214 |
| 4,259,961 A | 4/1981 | Hood, III | 128/400 |
| 4,304,213 A | 12/1981 | Jereckos | 607/104 |
| 4,338,944 A | 7/1982 | Arkans | 128/400 |
| 4,416,280 A | 11/1983 | Carpenter et al. | 128/399 |
| 4,427,009 A | 1/1984 | Wells et al. | 128/400 |
| 4,459,468 A | 7/1984 | Bailey | 219/490 |

(List continued on next page.)

Primary Examiner—Ian Simmons
(74) *Attorney, Agent, or Firm*—Marsh Fischmann & Breyfogle LLP

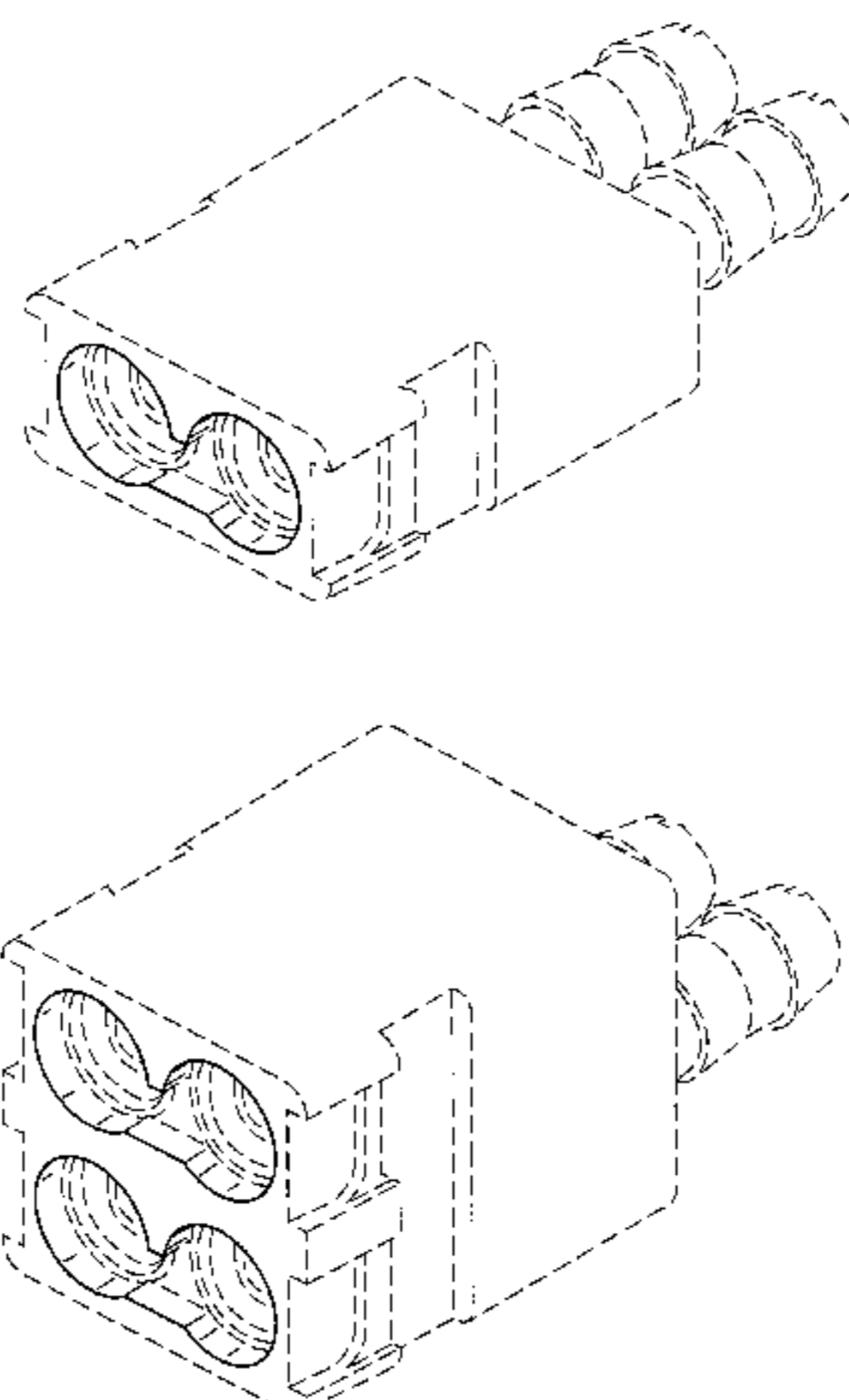
(57) **CLAIM**

The ornamental design for a female connector in a patient temperature control system, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of one side of the female connector in a patient temperature control system;
FIG. 2 is a front view of the female connector in a patient temperature control system;
FIG. 3 is a back view of the female connector in a patient temperature control system;
FIG. 4 is a right side view of the female connector in a patient temperature control system;
FIG. 5 is a left side view of the female connector in a patient temperature control system;
FIG. 6 is a top view of the female connector in a patient temperature control system;
FIG. 7 is a bottom view of the female connector in a patient temperature control system;
FIG. 8 is a perspective view of a second embodiment of the female connector in a patient temperature control system;
FIG. 9 is a front view of a second embodiment of the female connector in a patient temperature control system;
FIG. 10 is a back view of a second embodiment of the female connector in a patient temperature control system;
FIG. 11 is a right side view of a second embodiment of the female connector in a patient temperature control system;
FIG. 12 is a left side view of a second embodiment of the female connector in a patient temperature control system;
FIG. 13 is a top view of a second embodiment of the female connector in a patient temperature control system; and,
FIG. 14 is a bottom view of a second embodiment of the female connector in a patient temperature control system.
The broken line showing in the FIGS. 1 through 14 are for illustrative purposes only and forms no part of the claimed design.

1 Claim, 8 Drawing Sheets



U.S. PATENT DOCUMENTS

| | | | | | | | |
|---------------|---------|--------------------------|---------|--------------|---------|--------------------------|---------|
| 4,508,123 A | 4/1985 | Wyatt et al. | 128/692 | 5,507,792 A | 4/1996 | Mason et al. | 607/104 |
| 4,512,163 A | 4/1985 | Wells et al. | 62/394 | 5,609,571 A | 3/1997 | Buckberg et al. | 604/4 |
| 4,691,762 A | 9/1987 | Elkins et al. | 165/46 | 5,609,620 A | 3/1997 | Daily | 607/105 |
| 4,762,388 A * | 8/1988 | Tanaka et al. | D13/133 | 5,634,940 A | 6/1997 | Panyard | 607/104 |
| 4,832,615 A * | 5/1989 | Thakrar et al. | 439/272 | 5,640,728 A | 6/1997 | Graebe | 5/606 |
| 4,844,072 A | 7/1989 | French et al. | 128/400 | 5,643,191 A | 7/1997 | Buckberg et al. | 604/4 |
| 4,919,134 A | 4/1990 | Streeter | 128/400 | 5,702,358 A | 12/1997 | Witherspoon et al. | 604/4 |
| 4,962,761 A | 10/1990 | Golden | 128/400 | 5,730,720 A | 3/1998 | Sites et al. | 604/27 |
| 4,987,618 A | 1/1991 | Tolbert | 4/515 | 5,800,486 A | 9/1998 | Thome et al. | 607/105 |
| 5,051,562 A | 9/1991 | Bailey et al. | 219/506 | 5,830,214 A | 11/1998 | Flom et al. | 606/41 |
| 5,097,829 A | 3/1992 | Quisenberry | 128/400 | 5,865,841 A | 2/1999 | Kolen et al. | 607/104 |
| 5,165,127 A | 11/1992 | Nicholson | 5/421 | 5,895,418 A | 4/1999 | Saringer | 607/104 |
| 5,190,032 A | 3/1993 | Zacoi | 128/400 | 5,957,879 A | 9/1999 | Roberts et al. | 604/4 |
| 5,270,005 A | 12/1993 | Raible | 422/46 | 5,980,561 A | 11/1999 | Kolen et al. | 607/104 |
| D347,491 S | 5/1994 | Holloway | D28/20 | 5,997,816 A | 12/1999 | McIntosh et al. | 422/44 |
| 5,344,436 A | 9/1994 | Fontenot et al. | 607/104 | 6,074,389 A | 6/2000 | Levine et al. | 606/45 |
| 5,411,541 A | 5/1995 | Bell et al. | 607/104 | 6,086,609 A | 7/2000 | Buckley | 607/104 |
| 5,456,701 A | 10/1995 | Stout | 607/104 | 6,117,164 A | 9/2000 | Gildersleeve et al. | 607/108 |
| D364,680 S | 11/1995 | Dye | D24/129 | 6,149,620 A | 11/2000 | Baker et al. | 604/22 |
| 5,466,216 A | 11/1995 | Brown et al. | 604/33 | 6,149,674 A | 11/2000 | Borders | 607/96 |
| 5,466,250 A | 11/1995 | Johnson, Jr. et al. | 607/104 | 6,197,045 B1 | 3/2001 | Carson | 607/104 |
| 5,470,353 A | 11/1995 | Jensen | 607/104 | 6,206,876 B1 | 3/2001 | Levine et al. | 606/45 |
| 5,486,207 A | 1/1996 | Mahawili | 607/104 | 6,238,427 B1 | 5/2001 | Matta | 607/104 |
| 5,496,357 A | 3/1996 | Jensen et al. | 607/108 | D475,014 S * | 5/2003 | Kano | D13/133 |

* cited by examiner

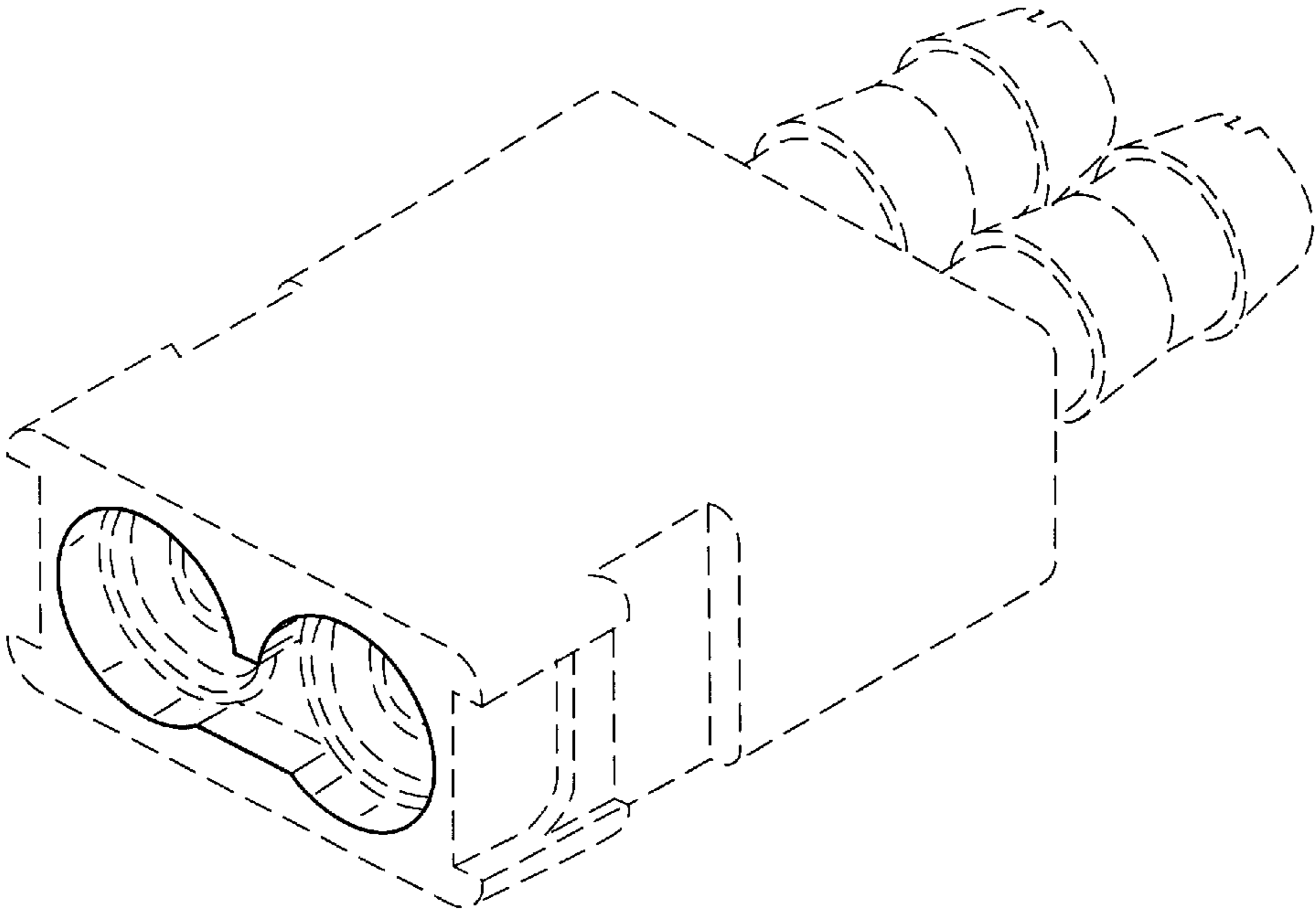


FIG.1

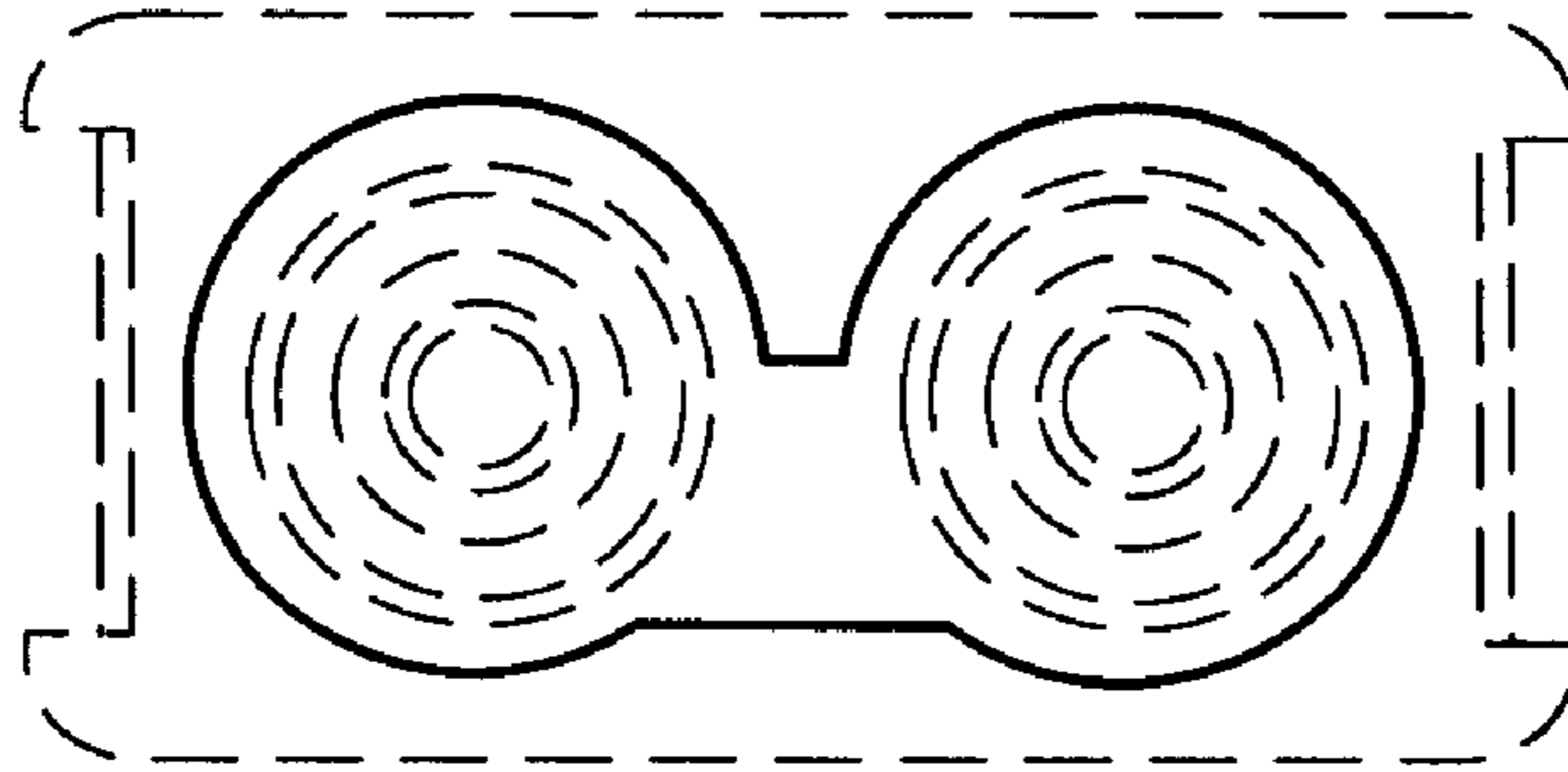


FIG. 2

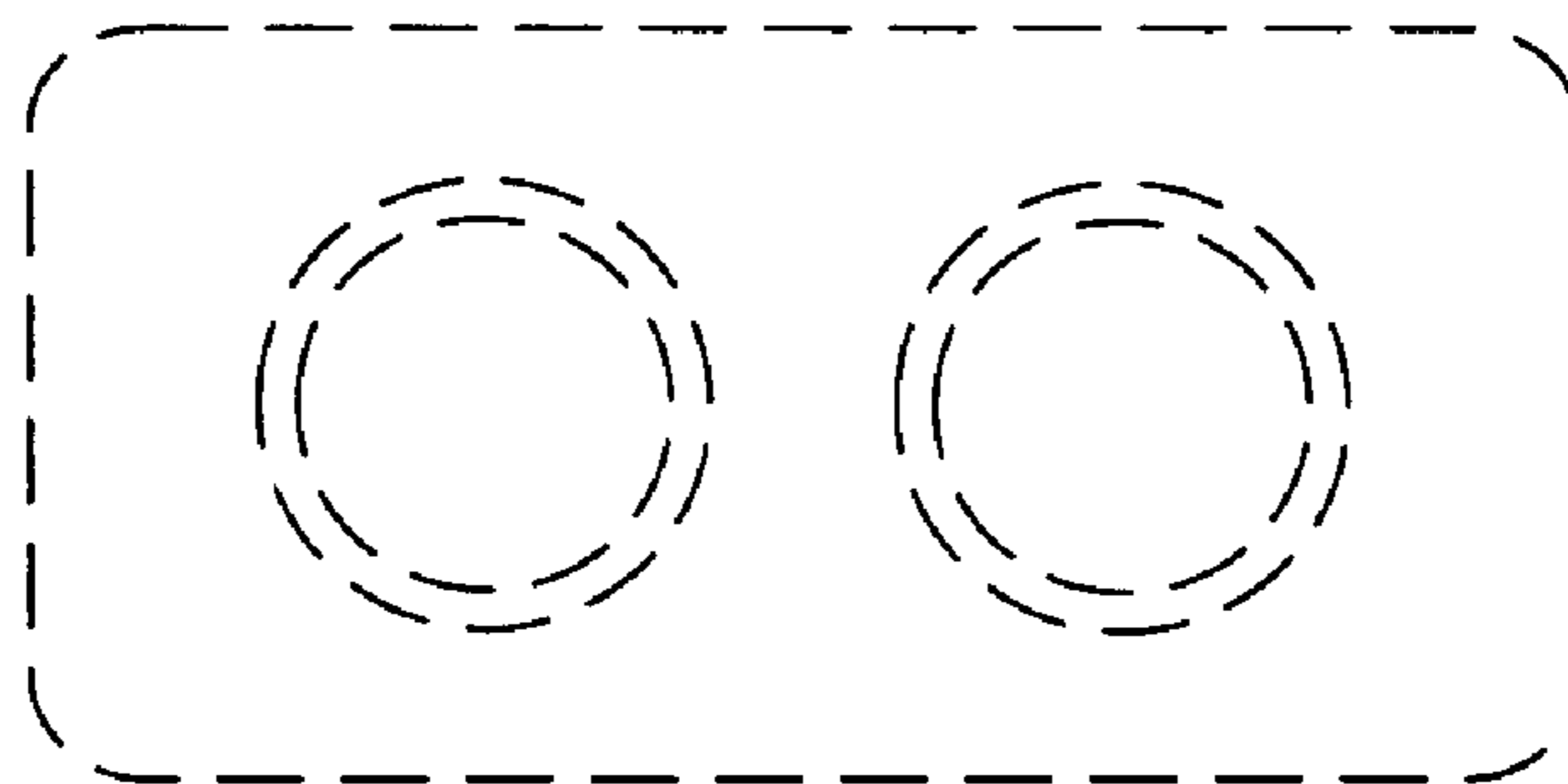


FIG. 3



FIG.4



FIG.5

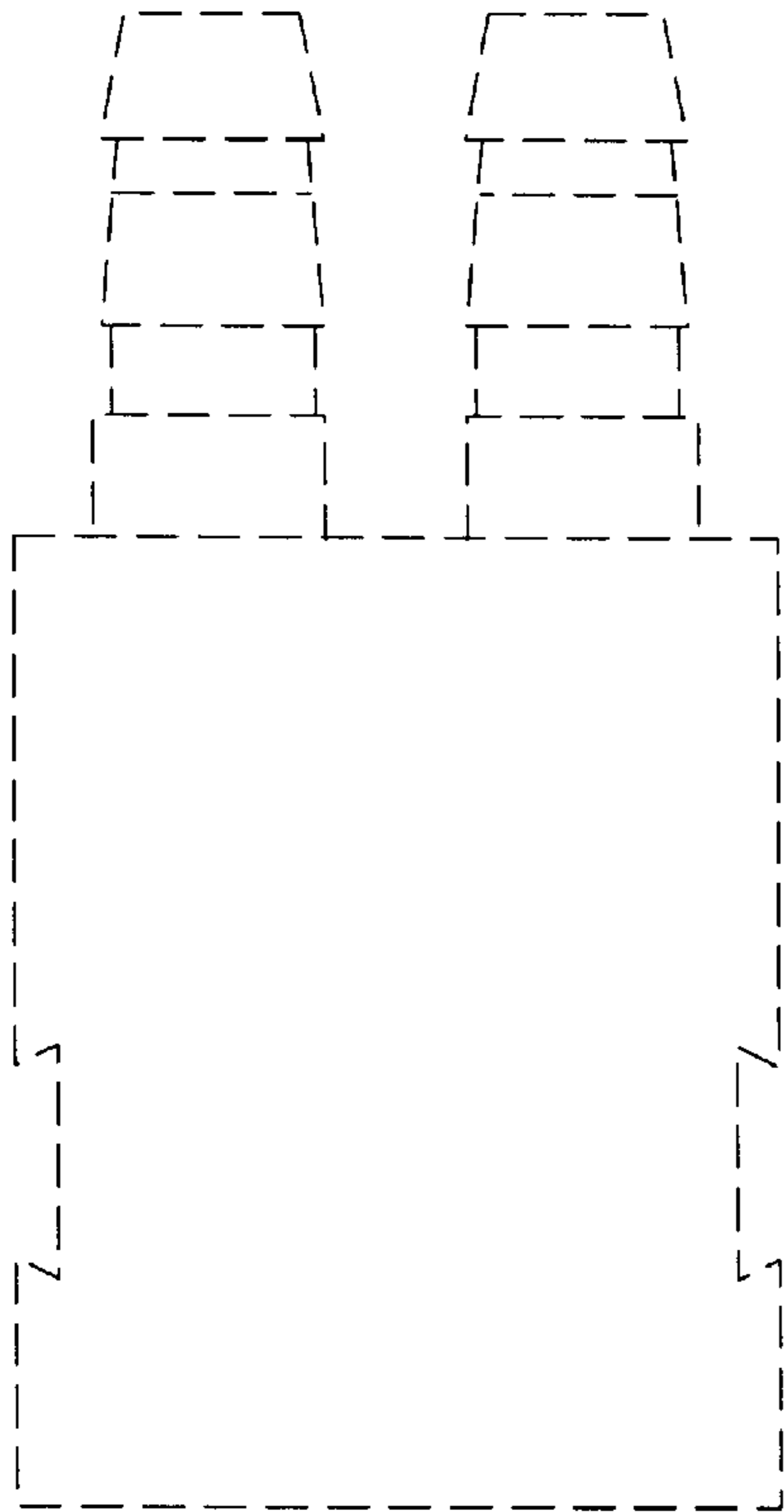


FIG. 6

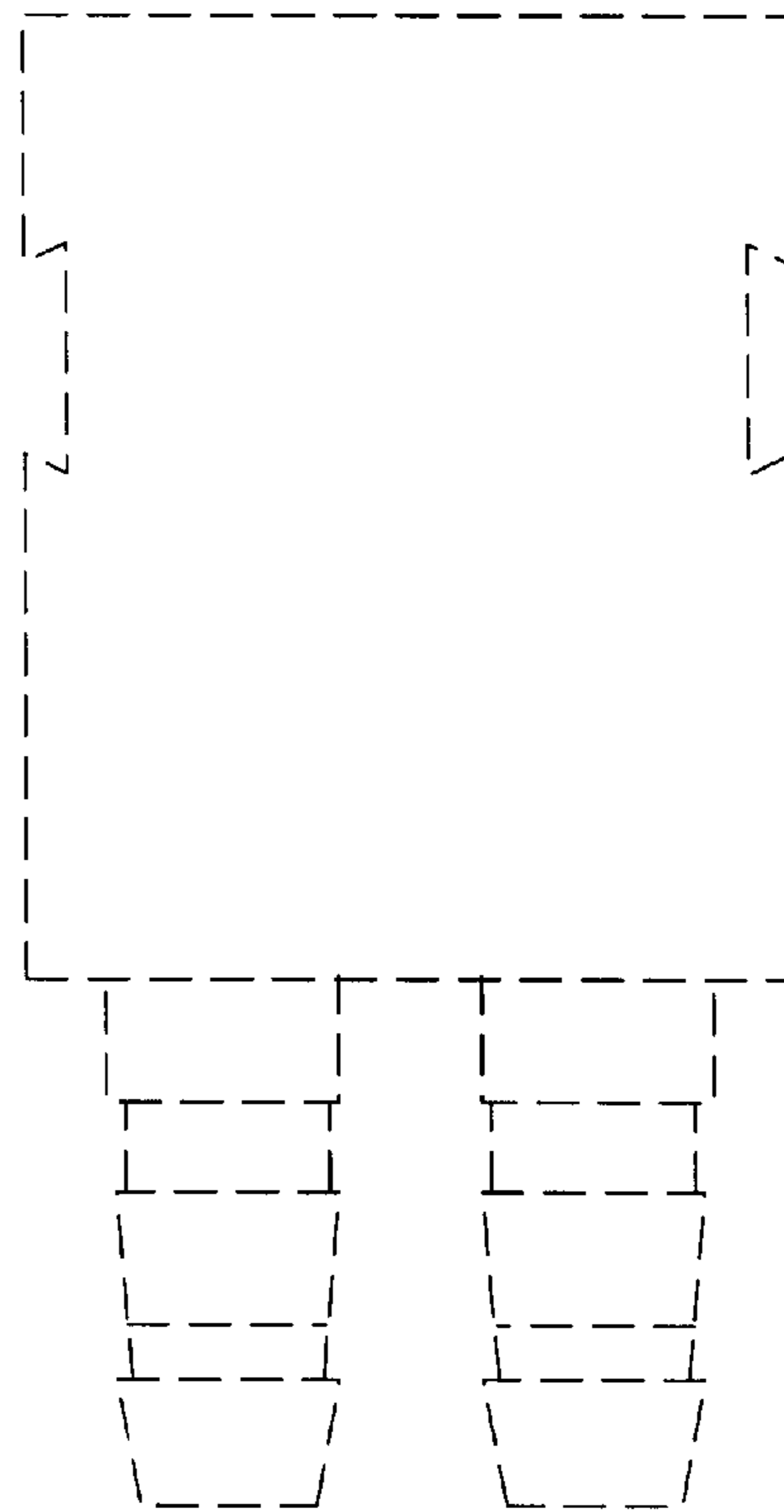


FIG. 7

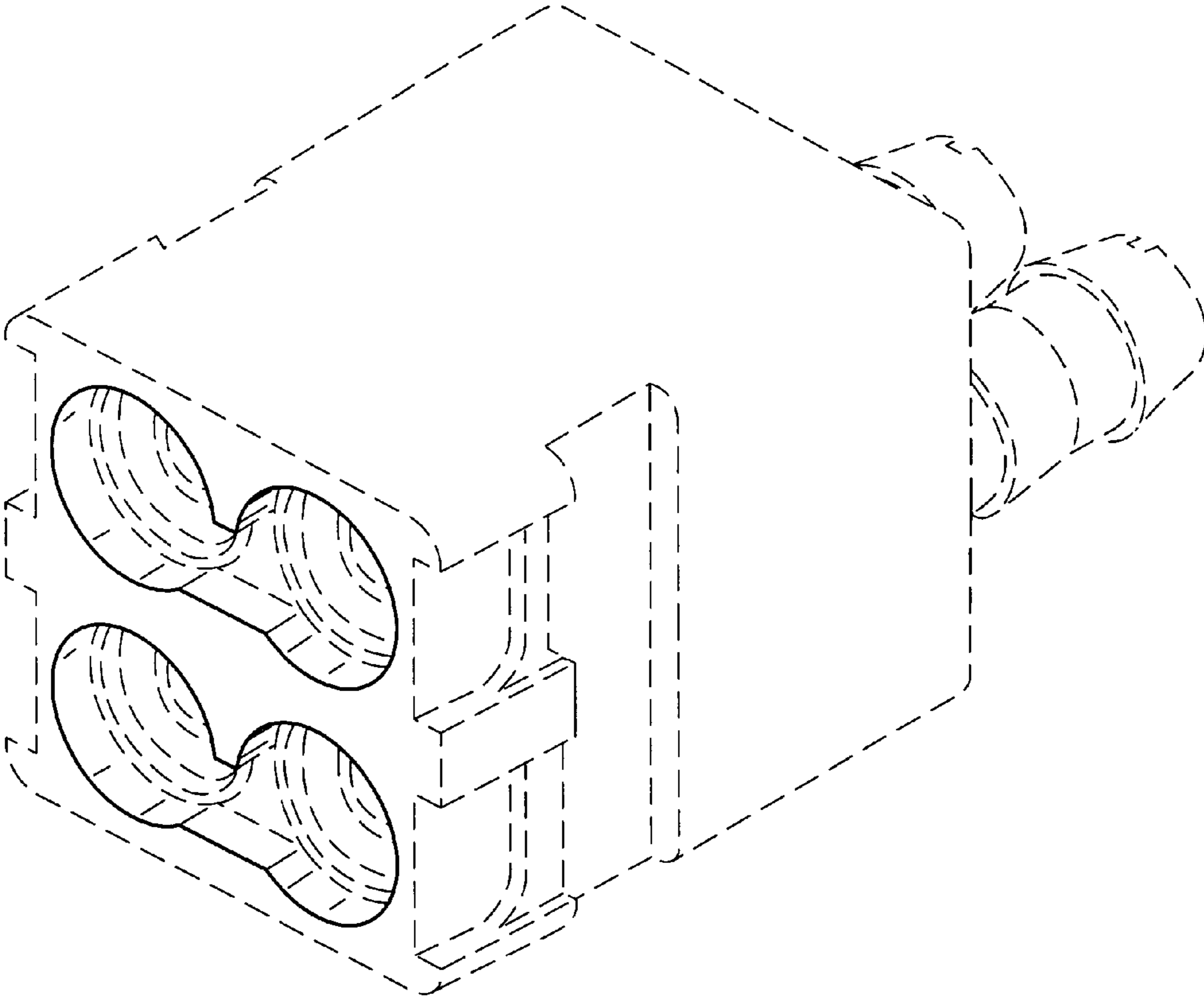


FIG.8

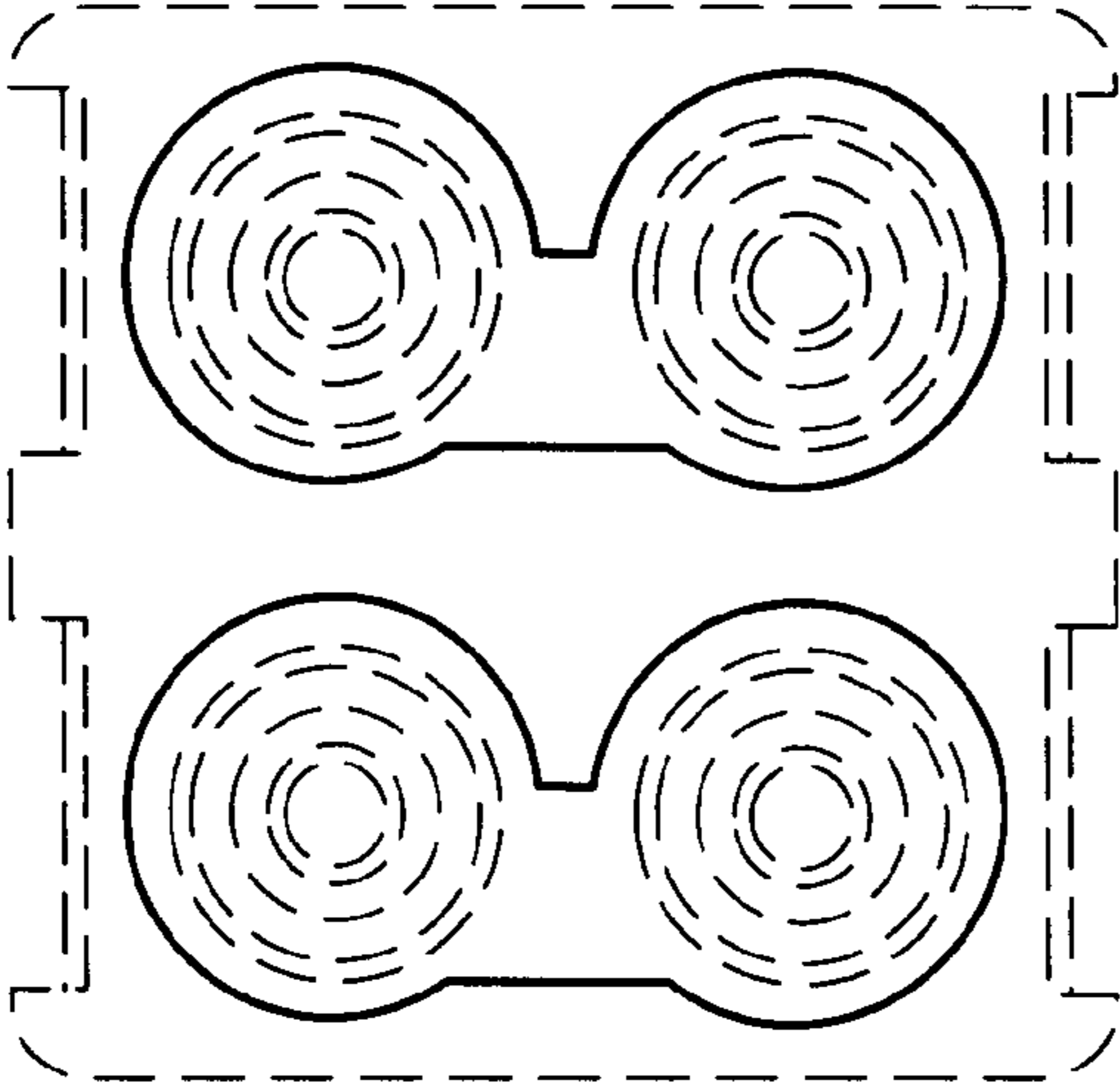


FIG. 9

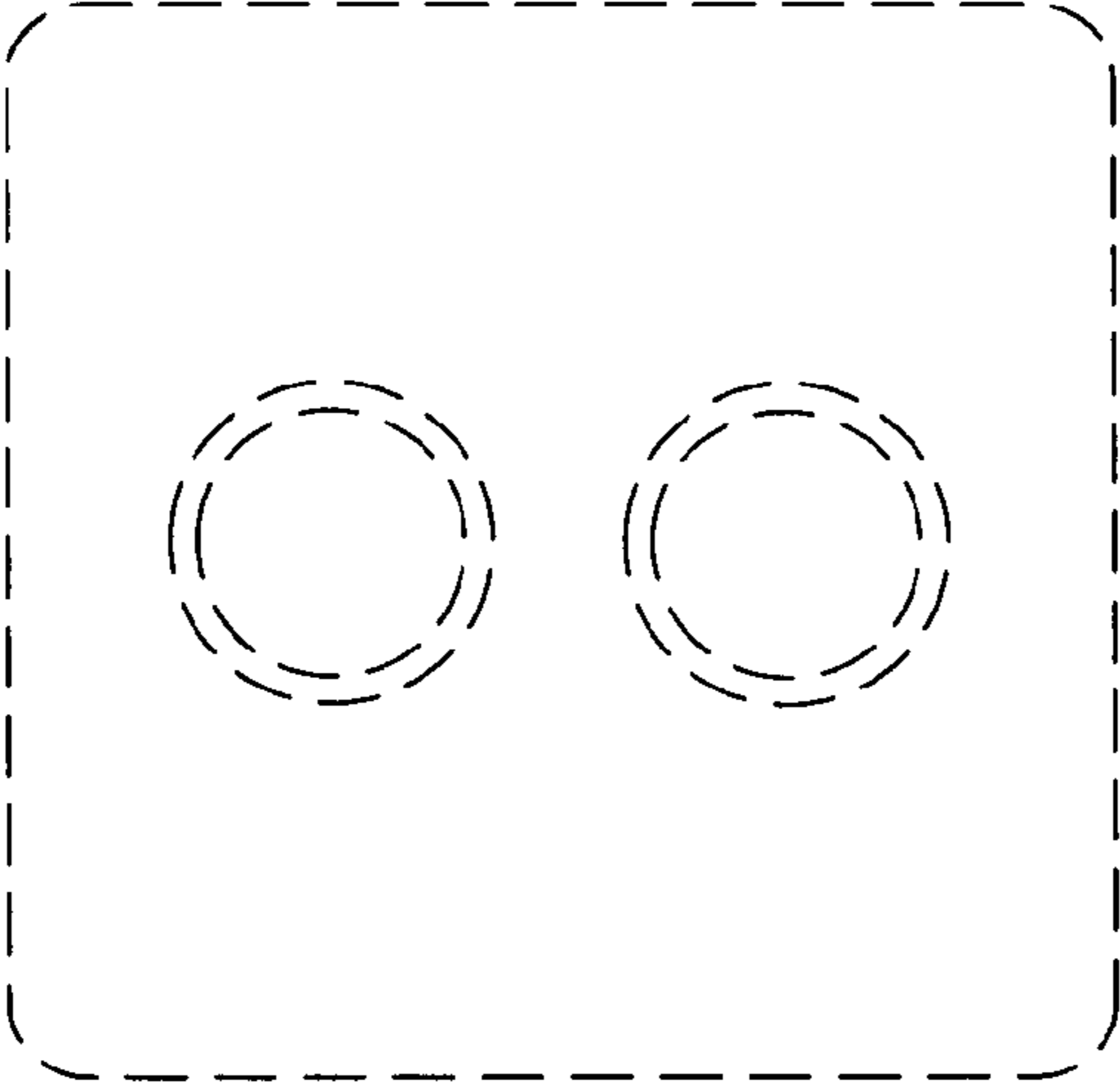


FIG. 10

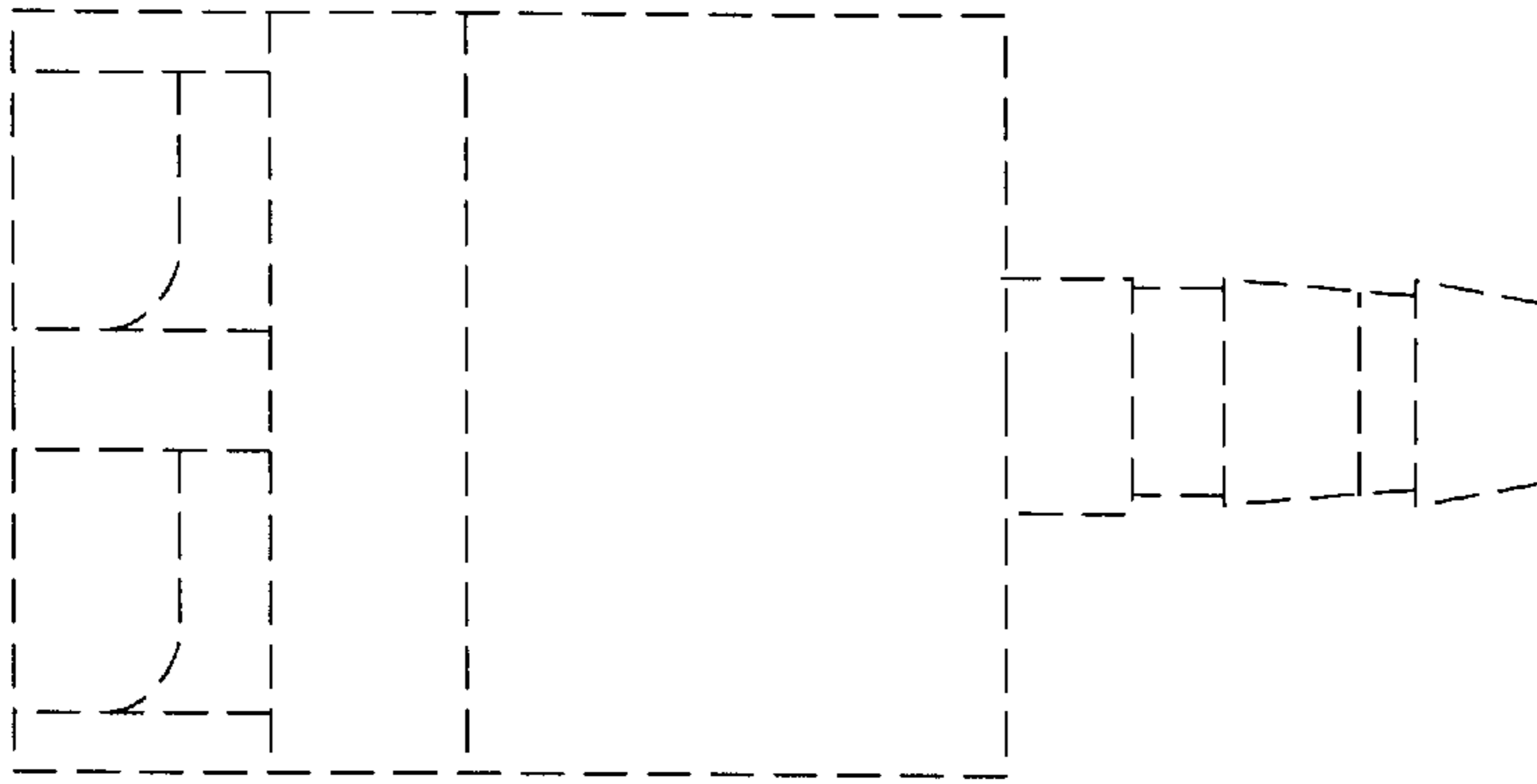


FIG.11

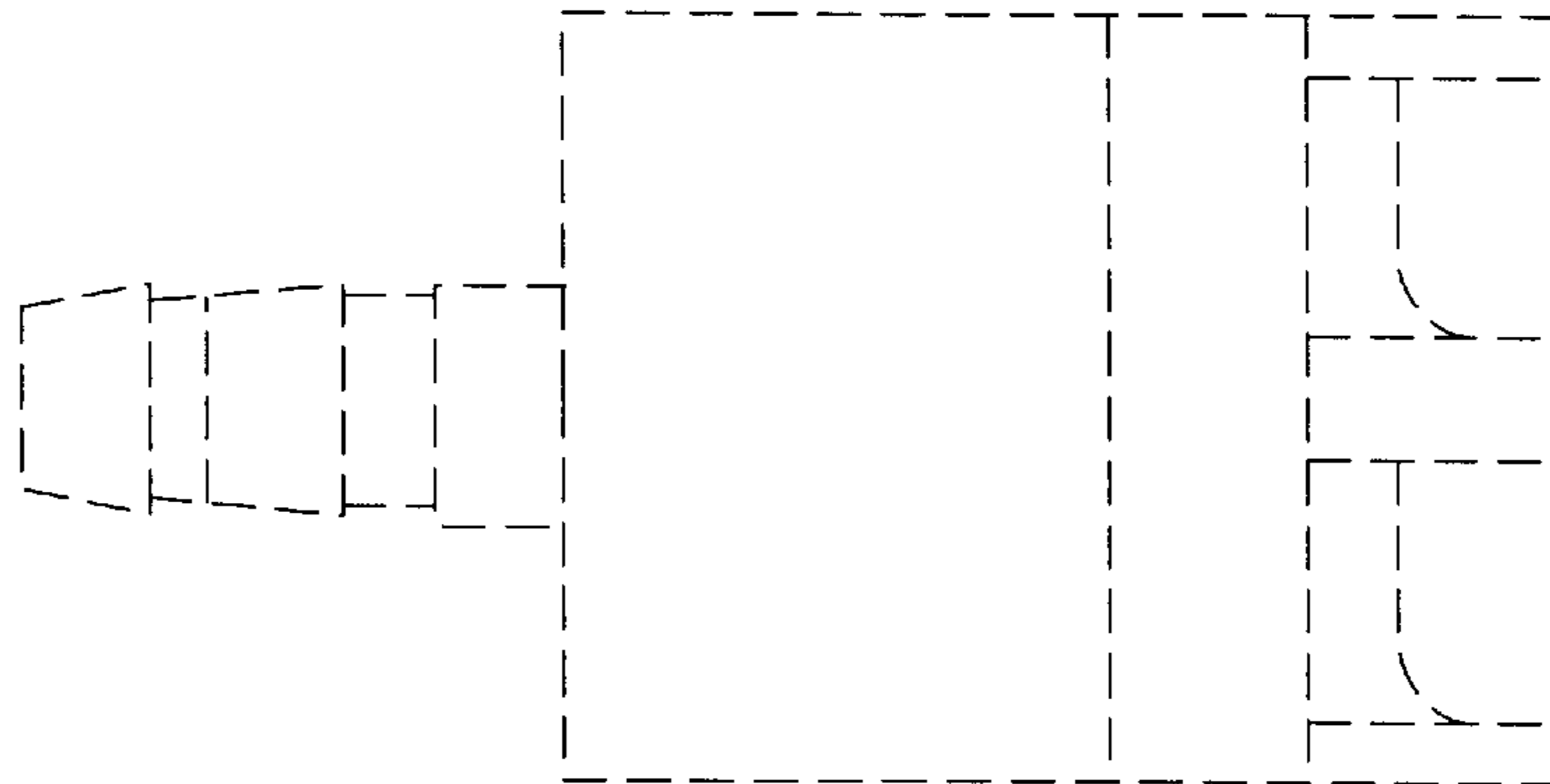


FIG.12

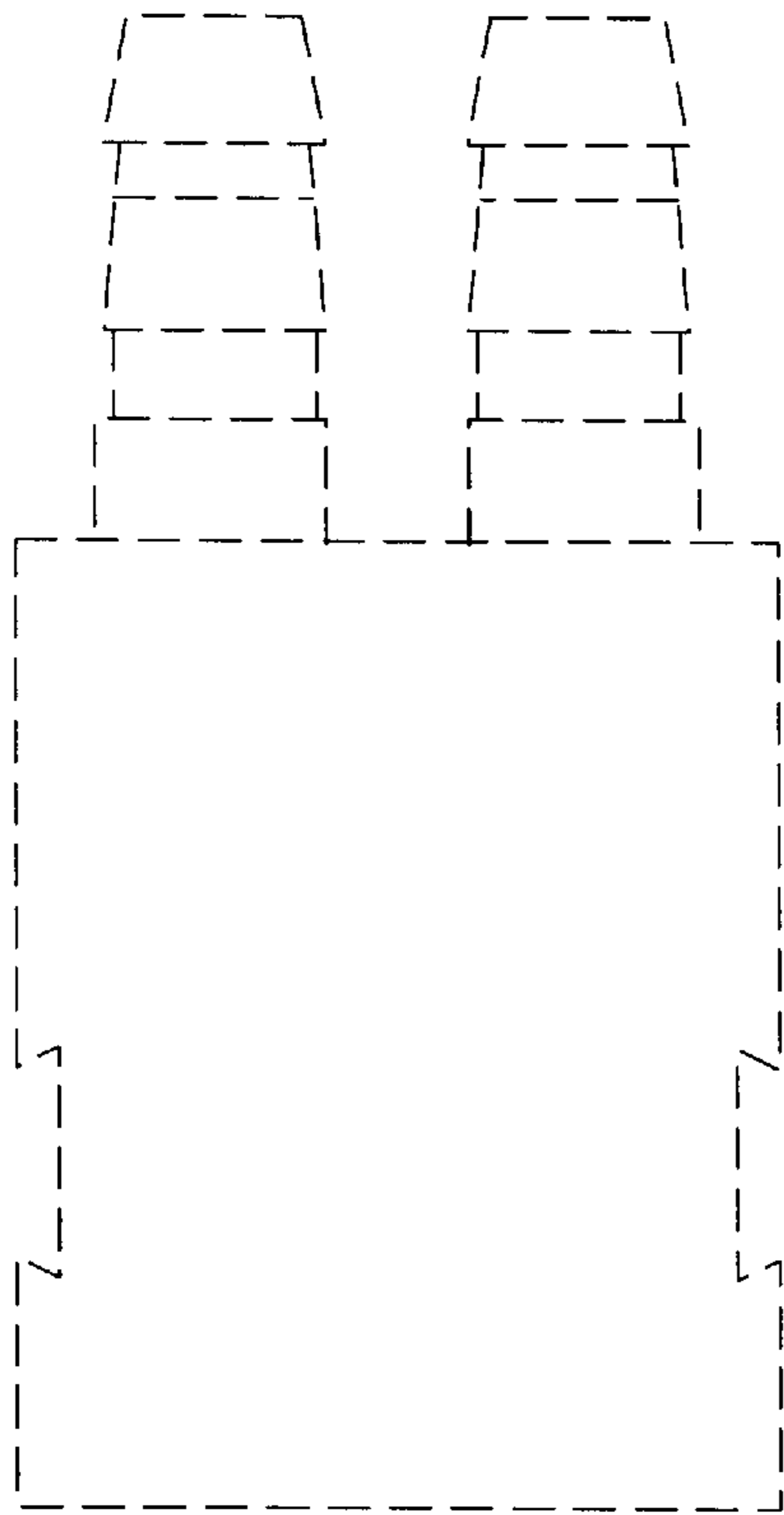


FIG. 13

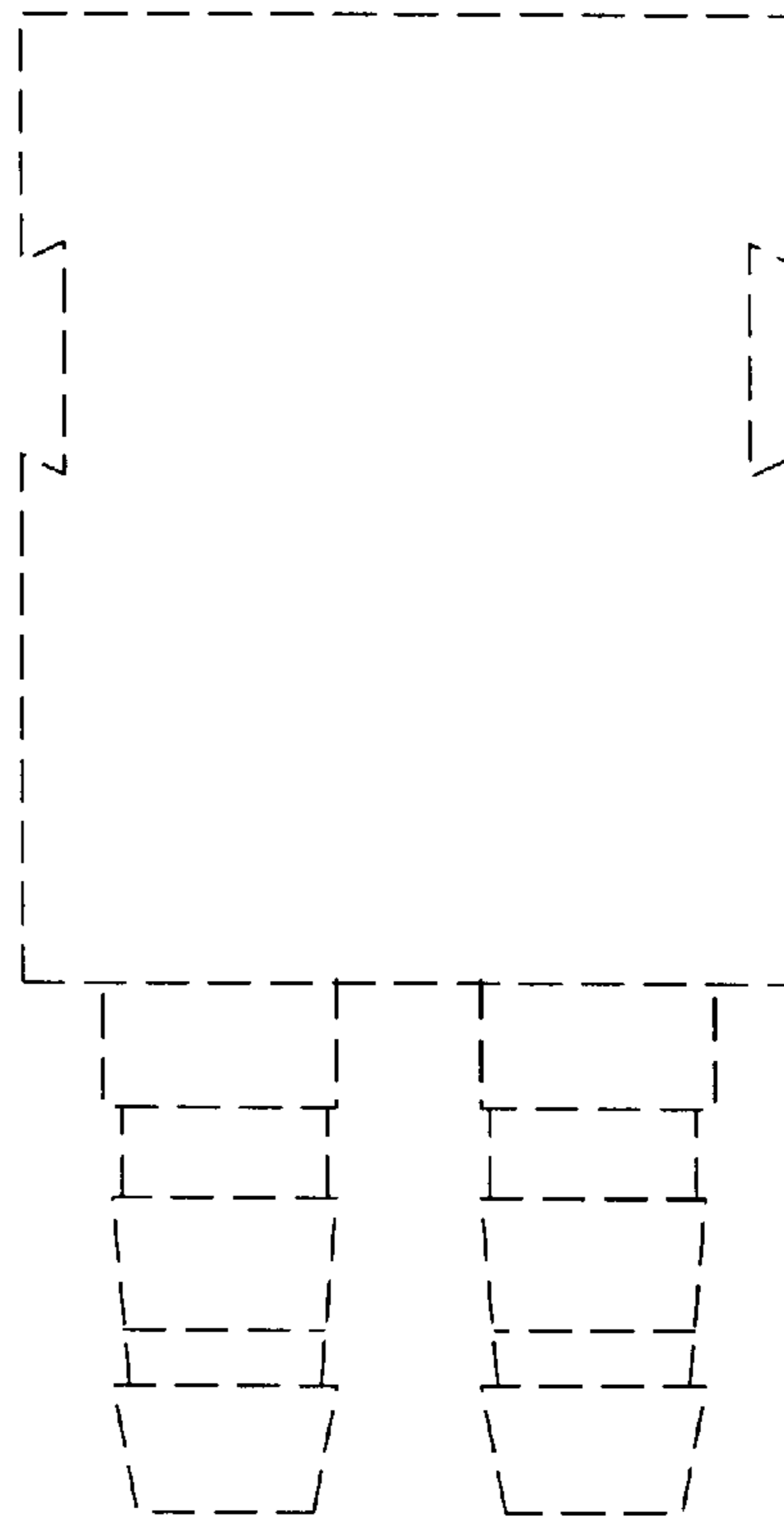


FIG. 14

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : Des. 492,773 S
DATED : July 6, 2004
INVENTOR(S) : Ellingboe et al.

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,

Item [56], **References Cited**, delete "4,304,213 A 12/1981 Jereckos..... 607/104", and insert therefor -- 5,304,213 A 4/1994 Berke et al. 607/104 --.

Signed and Sealed this

Seventeenth Day of August, 2004

A handwritten signature in black ink that reads "Jon W. Dudas". The signature is written in a cursive style with a large, looped initial "J".

JON W. DUDAS

Acting Director of the United States Patent and Trademark Office