



US00D973200S

(12) **United States Design Patent** (10) **Patent No.:** **US D973,200 S**
Dria et al. (45) **Date of Patent:** **** Dec. 20, 2022**

(54) **BOND PATTERN FOR SUBSTRATE**
(71) Applicant: **The Procter & Gamble Company**,
Cincinnati, OH (US)
(72) Inventors: **Ray Dennis Dria**, Mason, OH (US);
Michael Joseph Page, Cincinnati, OH
(US); **Joseph Leslie Grolmes**, Madeira,
OH (US); **Scott Alan King**, Liberty
Township, OH (US); **Matthew Steven
Ritter**, Liberty Township, OH (US);
Christopher Colin Arp, Mason, OH
(US)

(73) Assignee: **The Procter & Gamble Company**,
Cincinnati, OH (US)

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

(21) Appl. No.: **29/807,499**

(22) Filed: **Sep. 13, 2021**

Related U.S. Application Data

(63) Continuation of application No. 16/357,685, filed on
Mar. 19, 2019.

(60) Provisional application No. 62/780,520, filed on Dec.
17, 2018, provisional application No. 62/645,483,
filed on Mar. 20, 2018.

(51) **LOC (13) Cl.** **02-01**

(52) **U.S. Cl.**
USPC **D24/126**

(58) **Field of Classification Search**
USPC D24/124, 125, 126, 189, 190, 191, 192
CPC A61F 13/15; A61F 13/64; A61F 13/476;
A61F 13/5611; A61F 13/4704
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,848,594 A 11/1974 Buell
3,860,003 A 1/1975 Buell
4,610,678 A 9/1986 Weisman
4,662,875 A 5/1987 Hirotsu

(Continued)

FOREIGN PATENT DOCUMENTS

CN 103179935 A 6/2013
JP 3069885 U 7/2000

(Continued)

OTHER PUBLICATIONS

All Office Actions; U.S. Appl. No. 16/357,685, filed Mar. 19, 2019.

Primary Examiner — Samantha Q Lawrence

(74) *Attorney, Agent, or Firm* — Sarah M. DeCristofaro;
Christian M. Best

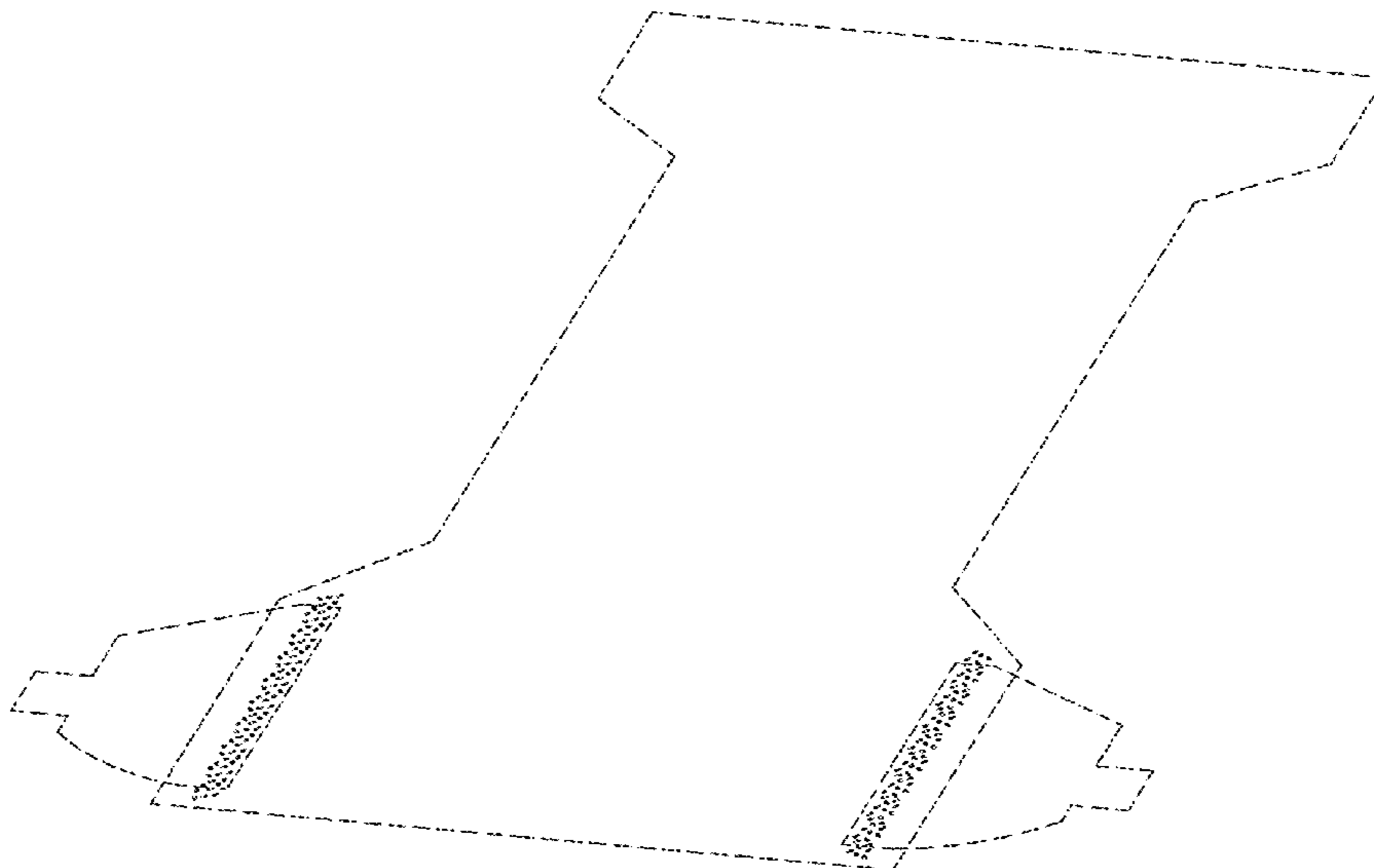
(57) **CLAIM**

The ornamental design for the bond pattern for a substrate,
as shown and described above.

DESCRIPTION

FIG. 1 is a perspective view of a bond pattern for a substrate;
FIG. 2 is a view of the front side of the bond pattern for a
substrate of FIG. 1;
FIG. 3 is a view of the right side of the bond pattern for a
substrate of FIG. 1;
FIG. 4 is a view of the back side of the bond pattern for a
substrate of FIG. 1;
FIG. 5 is a view of the left side of the bond pattern for a
substrate of FIG. 1;
FIG. 6 is a view of the top side of the bond pattern for a
substrate of FIG. 1; and,
FIG. 7 is a view of the bottom side of the bond pattern for
a substrate of FIG. 1.
The broken lines are included for the purpose of illustrating
environment and form no part of the claimed design.

1 Claim, 4 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

4,673,402 A 6/1987 Weisman
 4,834,735 A 5/1989 Alemany
 4,846,815 A 7/1989 Scripps
 4,854,984 A 8/1989 Ball
 4,888,231 A 12/1989 Angstadt
 4,892,536 A 1/1990 DesMarais et al.
 4,894,060 A 1/1990 Nestegard
 4,919,738 A 4/1990 Ball et al.
 4,946,527 A 8/1990 Battrell
 4,990,147 A 2/1991 Freeland
 5,037,416 A 8/1991 Allen
 5,137,537 A 8/1992 Herron
 5,147,345 A 9/1992 Lavon
 5,151,092 A 9/1992 Buell
 5,156,793 A 10/1992 Buell
 5,167,897 A 12/1992 Weber et al.
 5,221,274 A 6/1993 Buell
 5,260,345 A 11/1993 Desmarais
 5,269,775 A 12/1993 Freeland
 5,342,338 A 8/1994 Roe
 5,387,207 A 2/1995 Dyer
 5,397,316 A 3/1995 Young
 5,554,145 A 9/1996 Roe
 5,569,234 A 10/1996 Buell
 5,571,096 A 11/1996 Dobrin
 5,580,411 A 12/1996 Nease
 5,607,760 A 3/1997 Roe
 5,609,587 A 3/1997 Roe
 5,635,191 A 6/1997 Roe
 5,643,588 A 7/1997 Roe
 5,865,823 A 2/1999 Curro
 5,993,432 A 11/1999 Lodge
 6,004,306 A 12/1999 Robles
 6,107,537 A 8/2000 Elder
 6,120,487 A 9/2000 Ashton
 6,410,129 B2 6/2002 Zhang
 6,432,098 B1 8/2002 Kline

6,677,258 B2 1/2004 Carroll
 6,713,159 B1 3/2004 Blenke
 6,717,028 B1 4/2004 Oberstadt
 6,843,134 B2 1/2005 Anderson
 7,056,404 B2 6/2006 Mcfall et al.
 7,062,983 B2 6/2006 Anderson
 7,435,243 B2 10/2008 Miyamoto
 7,806,883 B2 10/2010 Fossum
 7,819,853 B2 10/2010 Desai
 8,062,279 B2 11/2011 Miyamoto
 8,618,350 B2 12/2013 Mansfield
 8,795,809 B2 8/2014 Mansfield
 8,939,957 B2 1/2015 Raycheck
 9,358,161 B2 6/2016 Lawson et al.
 D888,943 S * 6/2020 Naylor D24/126
 D897,526 S * 9/2020 Fites D24/126
 D921,885 S * 6/2021 Neugebauer D24/126
 2006/0089616 A1 4/2006 Belau et al.
 2009/0258210 A1 10/2009 Iyad
 2012/0316526 A1 12/2012 Rosati et al.
 2013/0082418 A1 4/2013 Curro
 2014/0303583 A1 10/2014 Berrizbeitia
 2015/0126955 A1 5/2015 Sauer
 2015/0173961 A1 6/2015 Powell
 2016/0067116 A1 3/2016 Beckman et al.
 2016/0270972 A1 9/2016 Surushe
 2017/0056256 A1 3/2017 Smith
 2018/0042777 A1 2/2018 Dalal
 2019/0290504 A1 * 9/2019 Dria A61F 13/515
 2022/0192896 A1 * 6/2022 Dalal A61F 13/49011

FOREIGN PATENT DOCUMENTS

JP 5282020 B2 5/2013
 JP 2014090724 A 5/2014
 JP 2017063942 A 4/2017
 WO 9516746 A1 6/1995
 WO 0217842 A2 3/2002
 WO 2014168810 A1 10/2014

* cited by examiner

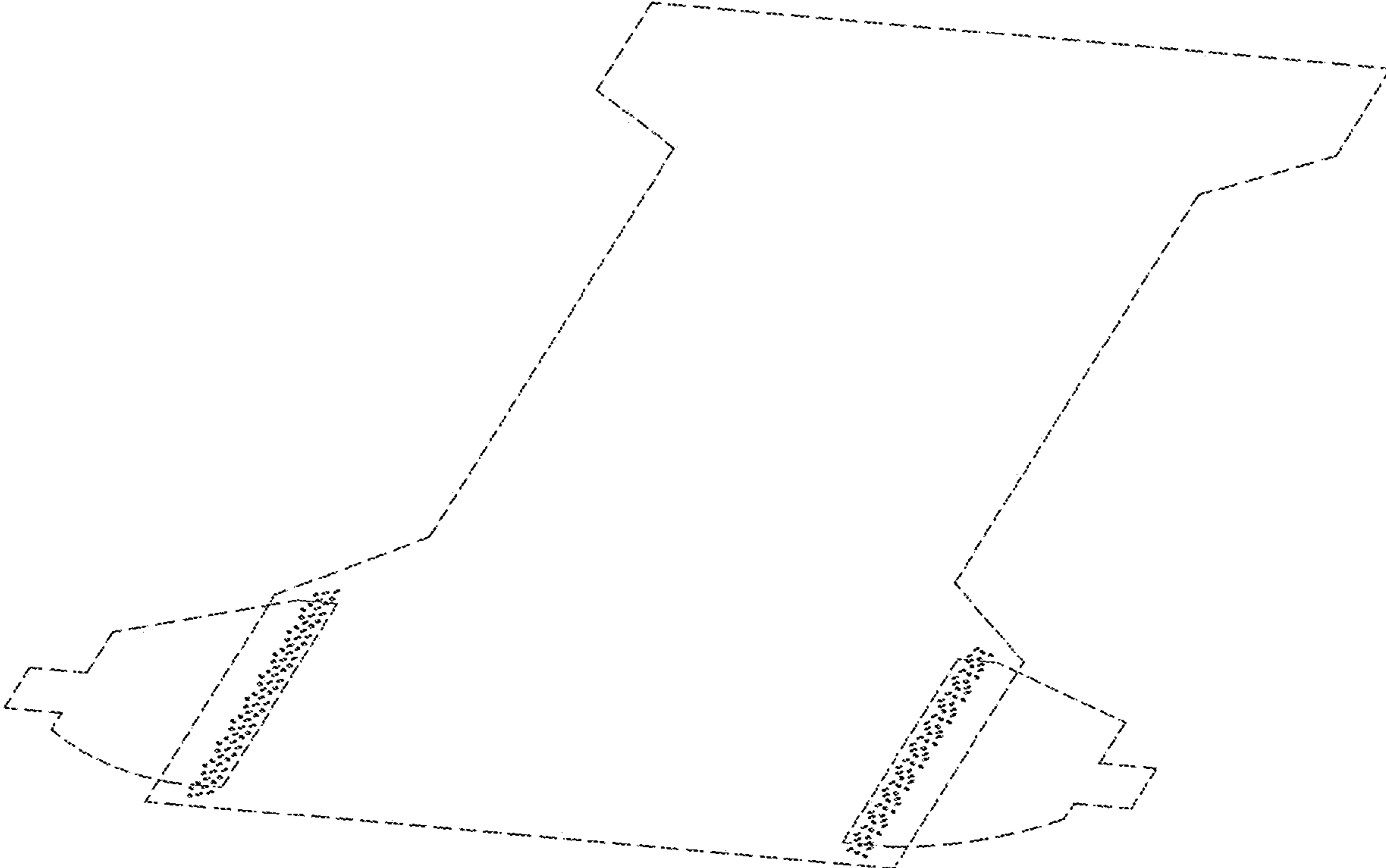


Fig. 1

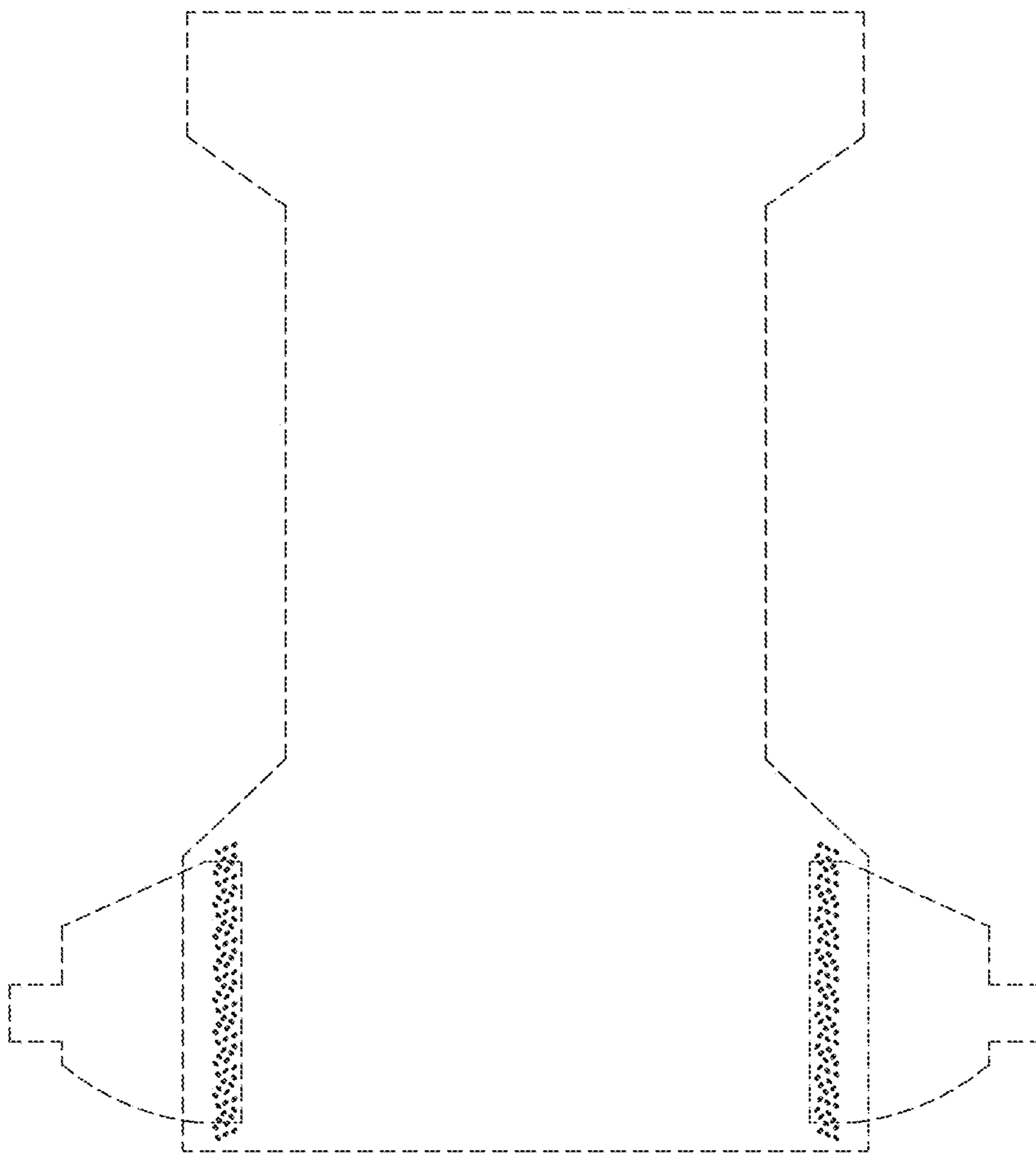


Fig. 2

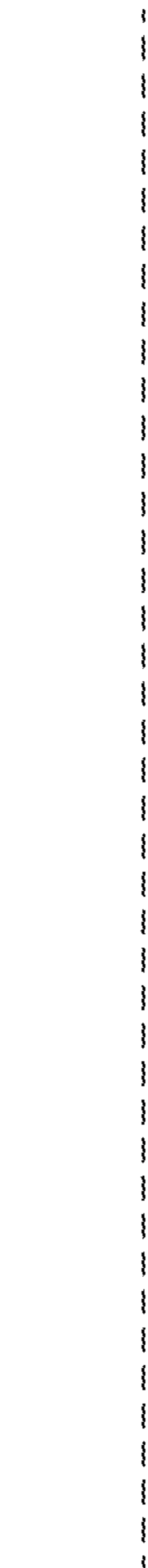


Fig. 3

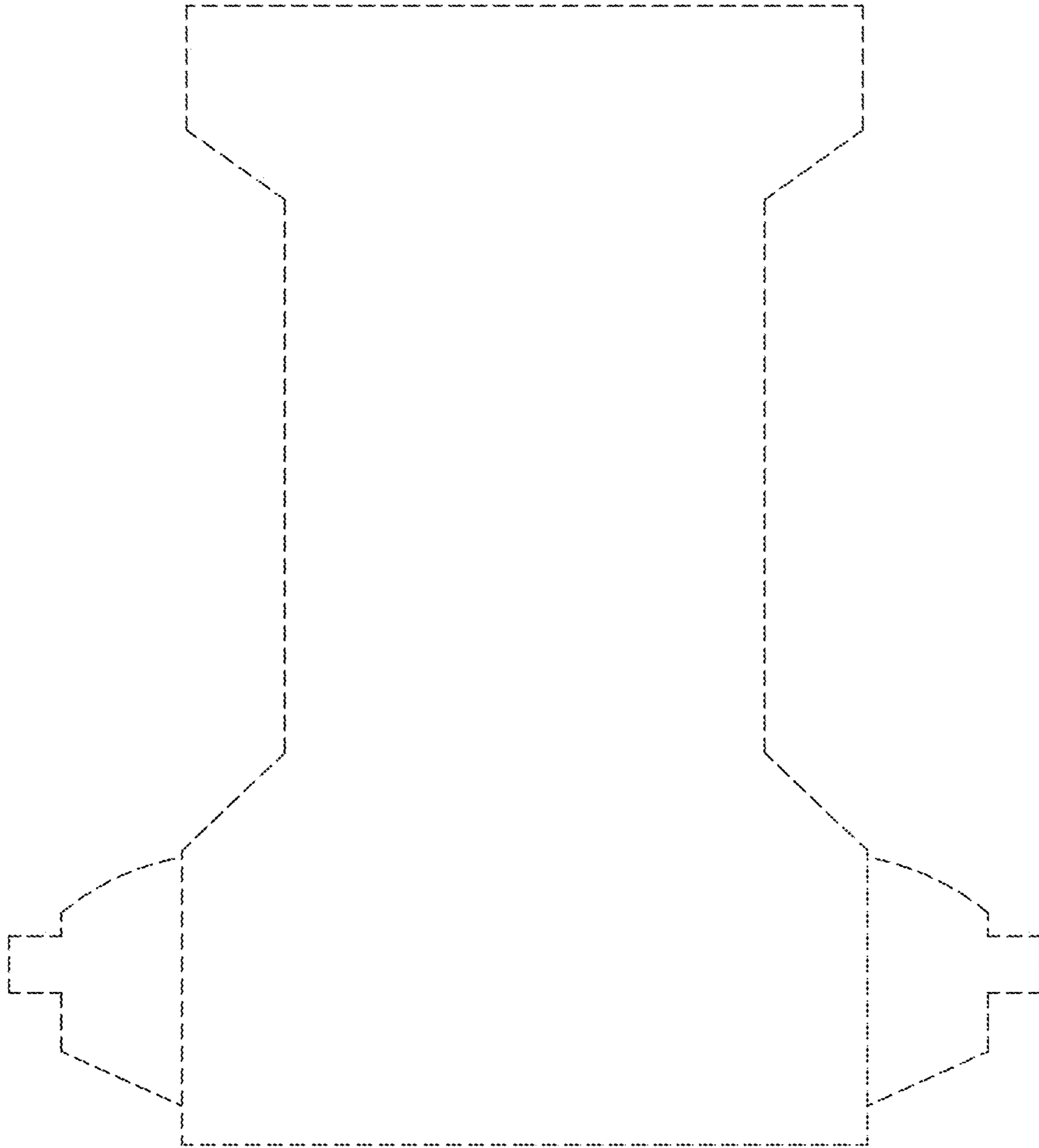


Fig. 4

Fig. 5

Fig. 6

Fig. 7