



US00D829895S

(12) **United States Design Patent** (10) **Patent No.:** **US D829,895 S**
Tetlow (45) **Date of Patent:** **** Oct. 2, 2018**

(54) **VEST FOR SECURING INTRAVENOUS TUBES ON A PATIENT**

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(73) Assignee: **Duke University**, Durham, NC (US)

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

(21) Appl. No.: **29/613,510**

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(51) **LOC (11) Cl.** **24-02**

(52) **U.S. Cl.**
USPC **D24/128**

(58) **Field of Classification Search**
USPC D24/127–131, 112–114, 133, 186;
606/181, 185; 604/264, 523–528, 272,
(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,470,410 A 9/1984 Elliott
4,610,245 A 9/1986 Biearman
(Continued)

OTHER PUBLICATIONS

Central Line Vest. 5 pages. CuddleMeButtonUps. Viewed online
Aug. 3, 2017 at [https://www.etsy.com/shop/CuddleMeButtonups?](https://www.etsy.com/shop/CuddleMeButtonups?ref=search_shop_redirect)
[ref=search_shop_redirect](https://www.etsy.com/shop/CuddleMeButtonups?ref=search_shop_redirect).

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(57) **CLAIM**

The ornamental design for a vest for securing intravenous
tubes on a patient, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of the vest worn by a patient
with the patient shown in broken lines, and the vest shown

partially disassembled, and with intravenous lines attached
to a patient and passing through a sleeve of the vest also
shown in broken lines, and with the broken lines extending
along the sleeve indicating stitching.

FIG. 2 is a perspective view of the vest worn by a patient
with a sleeve thereof oriented in a different direction than
FIG. 1, and with the patient and tubes shown in broken lines,
and with the broken lines extending along the sleeve indi-
cating stitching.

FIG. 3 is a partially exploded view of the vest viewed from
the front thereof, and with the broken lines extending along
the vest indicating stitching.

FIG. 4 is a front perspective view of the vest fully
assembled, and with the broken lines extending along the
vest indicating stitching.

FIG. 5 is a back perspective view of the vest worn by a
patient showing the vest partially open at a hook and loop
fastening section, and with the broken lines extending along
the vest indicating stitching.

FIG. 6 is a perspective view from the back of the vest with
the straps normally secured thereon through a hook and loop
fastener, and shown unattached, with a back flap shown
partially unassembled, and with a folded sleeve shown
unattached at one end of the vest, and with the broken lines
extending along the vest and sleeve indicating stitching.

FIG. 7 is a front plan view of the vest without the sleeve and
in unassembled form, and showing hook and loop fasteners,
and with the broken lines extending along the vest indicating
stitching.

FIG. 8 is a rear plan view of the vest unassembled without
the sleeve showing loop fasteners, and with the broken lines
extending along the vest indicating stitching.

FIG. 9 is a top view of the vest without the sleeve showing
hook and loop fasteners, and with the broken lines extending
along the vest indicating stitching.

FIG. 10 is a bottom view of the vest without the sleeve
showing hook and loop fasteners, and with the broken lines
extending along the vest indicating stitching.

FIG. 11 is a left end view of the vest without the sleeve
showing hook and loop fasteners.

FIG. 12 is a right end view of the vest without the sleeve
showing hook and loop fasteners.

FIG. 13 is a front view of the sleeve unfolded showing hook
and loop fasteners.

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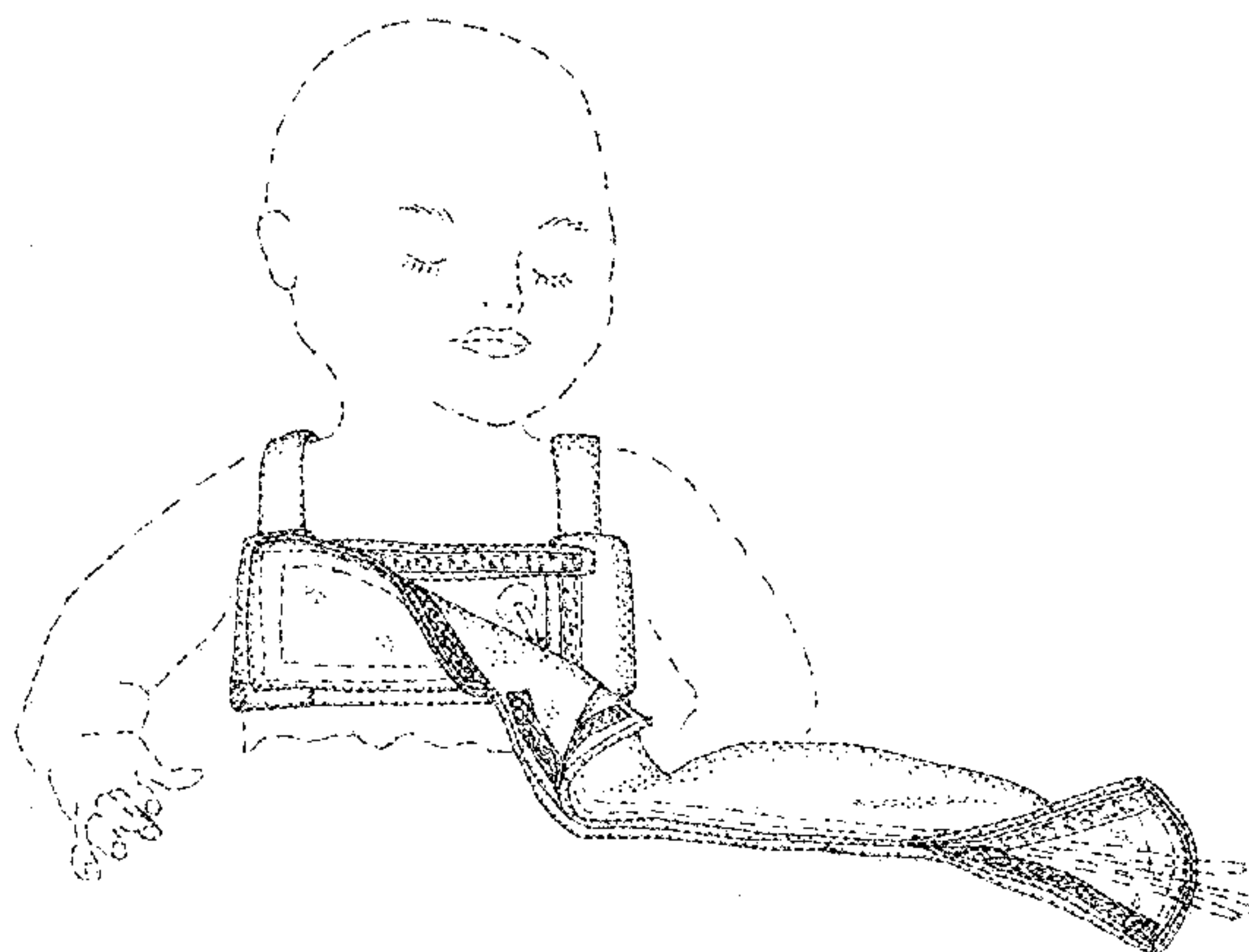


FIG. 14 is a rear view of the sleeve unfolded showing hook and loop fasteners.

FIG. 15 is a top view of the sleeve flat and unassembled without the vest showing hook and loop fasteners.

FIG. 16 is a bottom view of the sleeve flat and unassembled without the vest showing hook and loop fasteners.

FIG. 17 is a left end view of the sleeve flat and unassembled without the vest showing hook and loop fasteners; and,

FIG. 18 is a right end view of the sleeve flat and unassembled without the vest showing hook and loop fasteners.

The broken line showing of parts of the drawings, with the exception of stitching shown in FIGS. 1-10, 13 and 14, is included for the purpose of illustrating elements with which the "article" is used and forms no part of the claimed design.

1 Claim, 12 Drawing Sheets

(58) Field of Classification Search

USPC 604/187, 158, 164.01-164.11, 181, 184,
604/227; 600/101, 139, 143;
128/200.24, 207.14, 207.15

CPC .. A61M 25/065; A61M 5/42; A61M 25/0612;
A61M 25/00; A61M 39/00; A61M 27/00;
A61M 25/0043; A61M 25/0067; A61M
25/0097; A61F 2/958

See application file for complete search history.

(56) References Cited

U.S. PATENT DOCUMENTS

4,895,162 A * 1/1990 Dolliver A61B 5/04085
600/534
D328,953 S * 8/1992 Garcia D24/127
5,188,608 A 2/1993 Fritts
5,344,406 A 9/1994 Spooner
5,592,953 A 1/1997 Delao
D382,055 S * 8/1997 Cassidy D24/118
5,817,038 A 10/1998 Orange et al.
6,032,289 A 3/2000 Villapiano
D424,800 S * 5/2000 Harris D24/118
D438,616 S * 3/2001 Williams D24/128
6,267,115 B1 7/2001 Marshel
6,276,364 B1 8/2001 Warner
D451,604 S * 12/2001 Kasabach D24/186

6,540,724 B1 4/2003 Harris
D477,873 S * 7/2003 Borash D24/128
6,610,032 B1 * 8/2003 Prody A61M 27/00
604/179
D716,941 S * 11/2014 Sterling D24/128
D718,438 S * 11/2014 Davis D24/128
D735,854 S * 8/2015 Banks D24/133
D756,510 S * 5/2016 Fitzgerald D24/128
D761,419 S 7/2016 Fitzgerald et al.
D818,120 S * 5/2018 Levy D24/127
2004/0092852 A1 5/2004 Kruss
2004/0215117 A1 10/2004 Gorman
2007/0083163 A1 4/2007 Rydell
2010/0294286 A1 11/2010 Bellamy et al.
2011/0112450 A1 5/2011 Null
2011/0245744 A1 10/2011 Bellamy et al.
2013/0012883 A1 1/2013 Fitzgerald et al.
2014/0296763 A1 10/2014 Seguin et al.

OTHER PUBLICATIONS

Hickman Hider. 2 pages. Milligear. Viewed online Aug. 3, 2017 at <https://www.etsy.com/shop/milligear>.

Line Covers. 4 pages. Gus Gear. Viewed online Aug. 3, 2017 at <http://www.gusgear.net/product-category/all-products/line-covers/full-line-cover/>.

Pediatric Central Line Protector. 5 pages. Healthfully Healing. Viewed online Aug. 3, 2017 at <https://healthfullyhealing.com/>.

Cover Sleeve. 1 page. Hampton House Medical, Inc. Viewed online Aug. 3, 2017 at <http://www.kevinscovers.com/>.

CareAline Central Line Protector Wrap. 8 pages. CareAline. Viewed online Aug. 3, 2017 at <http://www.carealine.com/all-products/central-line-protector-wrap-sizes-1-3/>.

Custom Central Line Vest. 4 pages. Cutie P'Tubies. Viewed online Aug. 3, 2017 at <https://www.etsy.com/listing/232406160/custom-central-line-vest>.

DRYPro Waterproof PICC Line Cover. 4 pages. DRYPro. Viewed online Aug. 3, 2017 at <http://www.drycorp.com/waterproof-picc-line-protector/>.

Xerosox Waterproof PICC Cover. 6 pages. Xerosox. Viewed online Aug. 3, 2017 at <https://www.amazon.com/Xerosox-Waterproof-PICC-Cover-Large/dp/B001GLFFXO>.

MightyWell PICC Line Covers. 4 pages. Mightywell. Viewed online Aug. 3, 2017 at <https://www.mighty-well.com/collections/all/picc-line-cover>.

SleekSleeves Arm Bands. 3 pages. SleekSleeves. Viewed online Aug. 3, 2017 at <https://sleeksleeves.com/collections/arm-bands-and-picc-line-bandage-covers?page=1>.

* cited by examiner

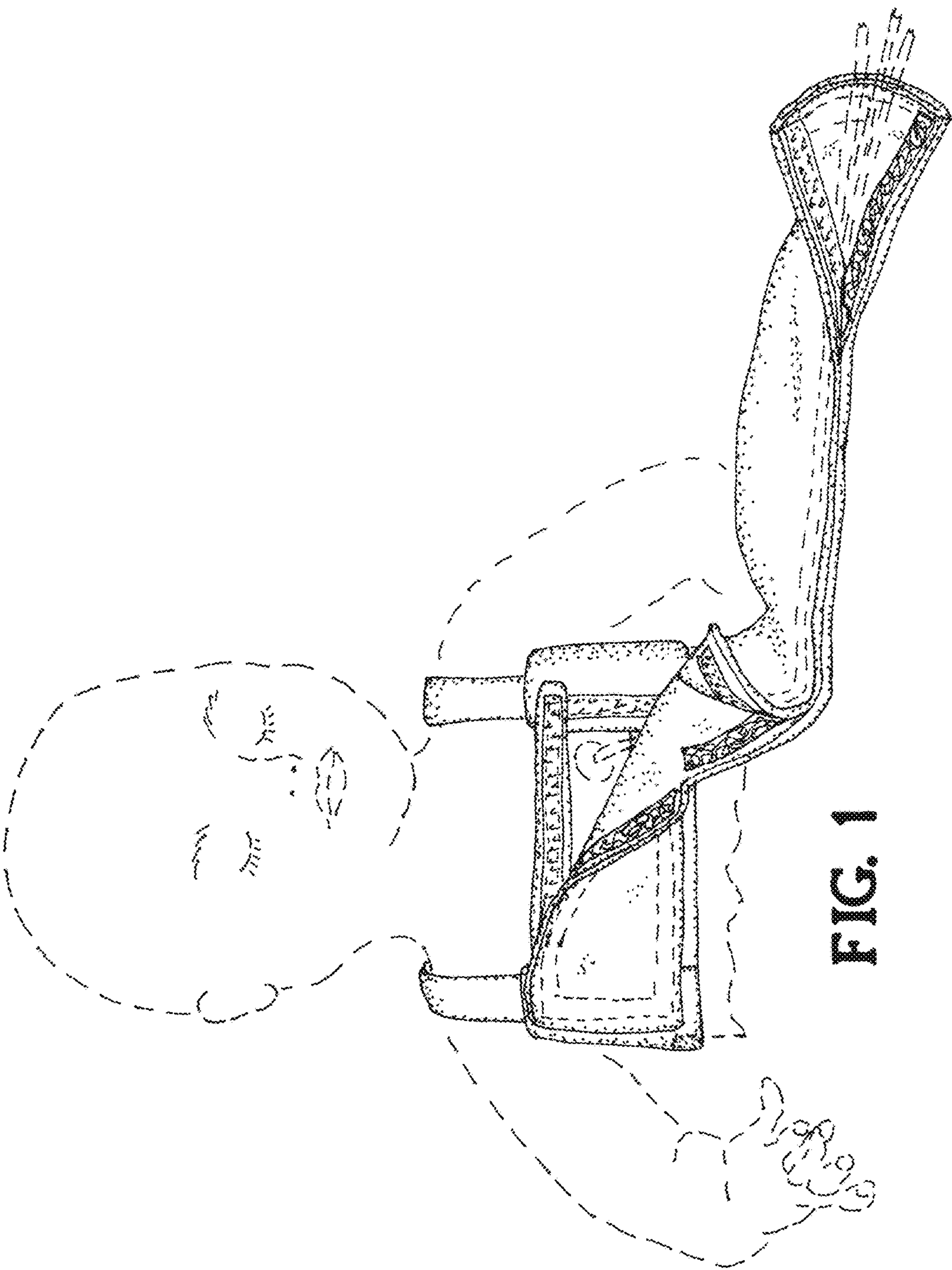


FIG. 1

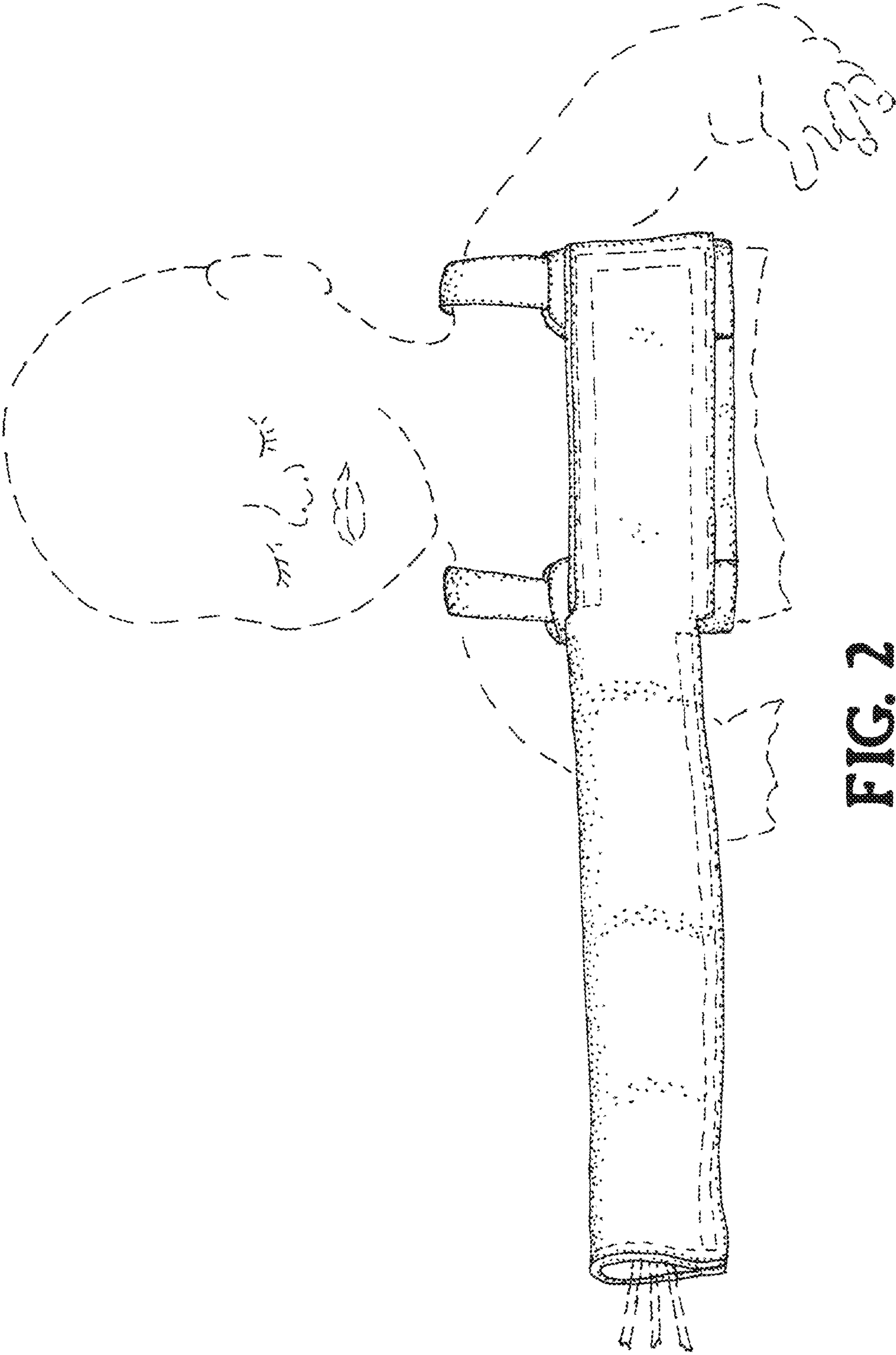
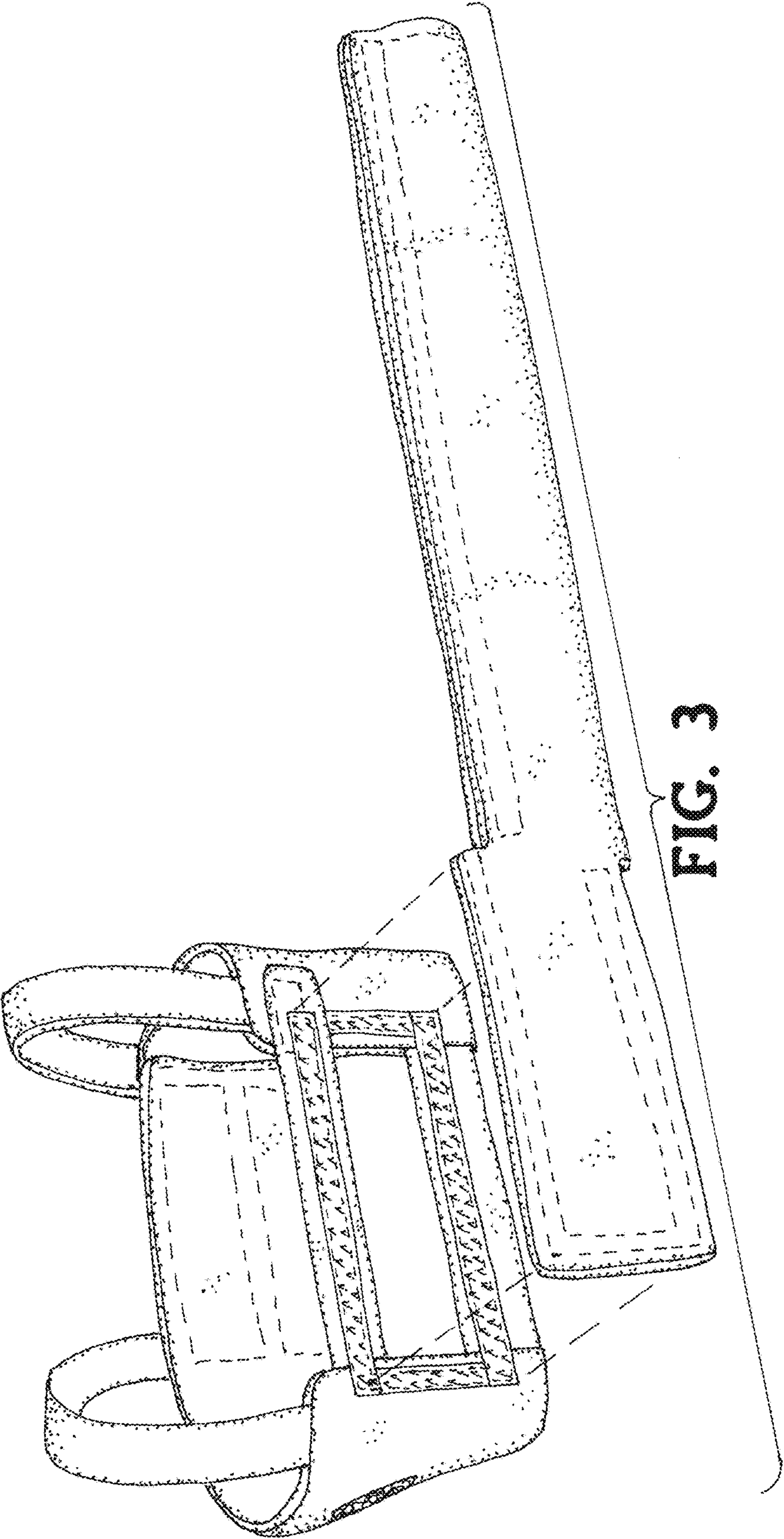


FIG. 2



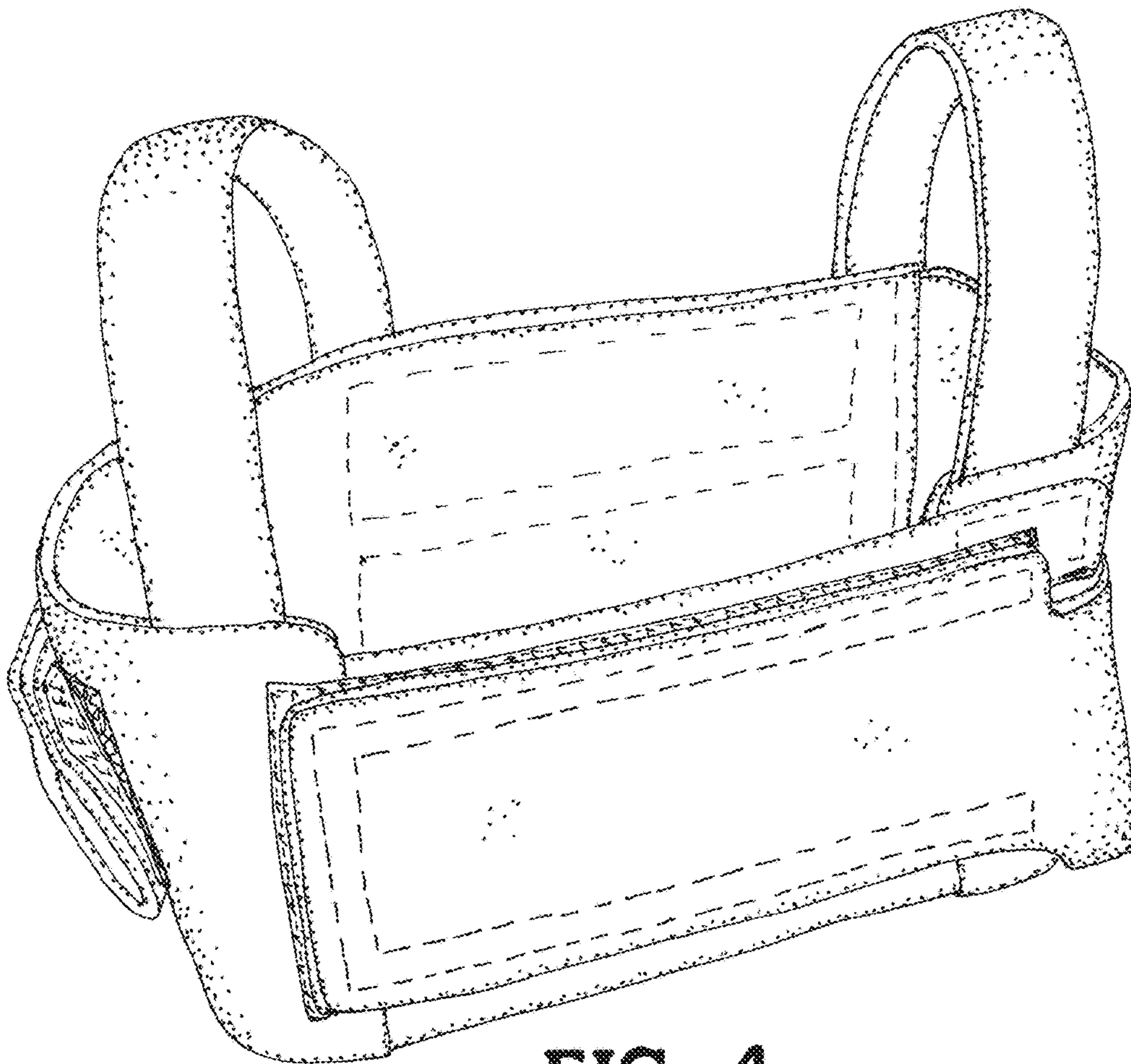


FIG. 4

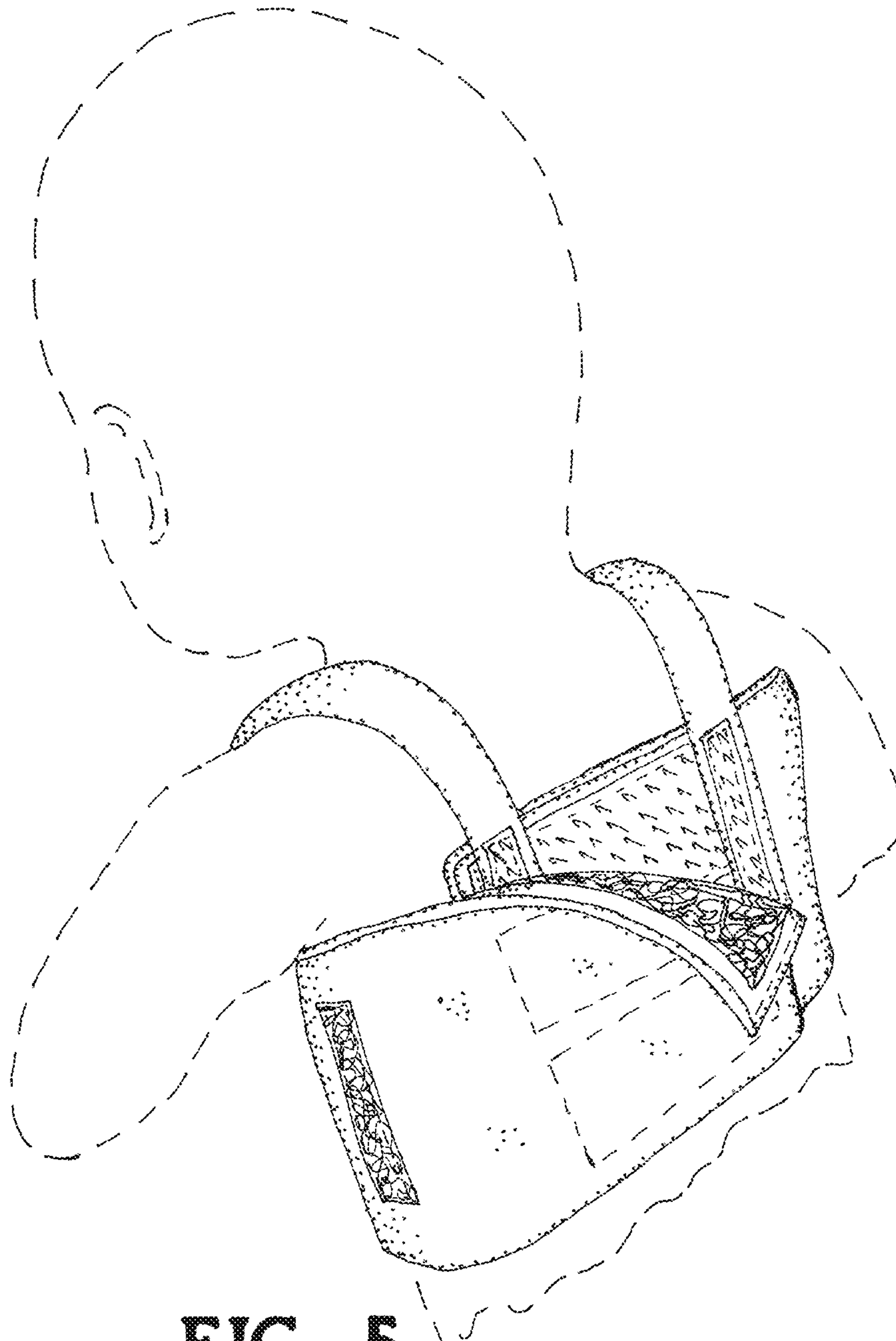


FIG. 5

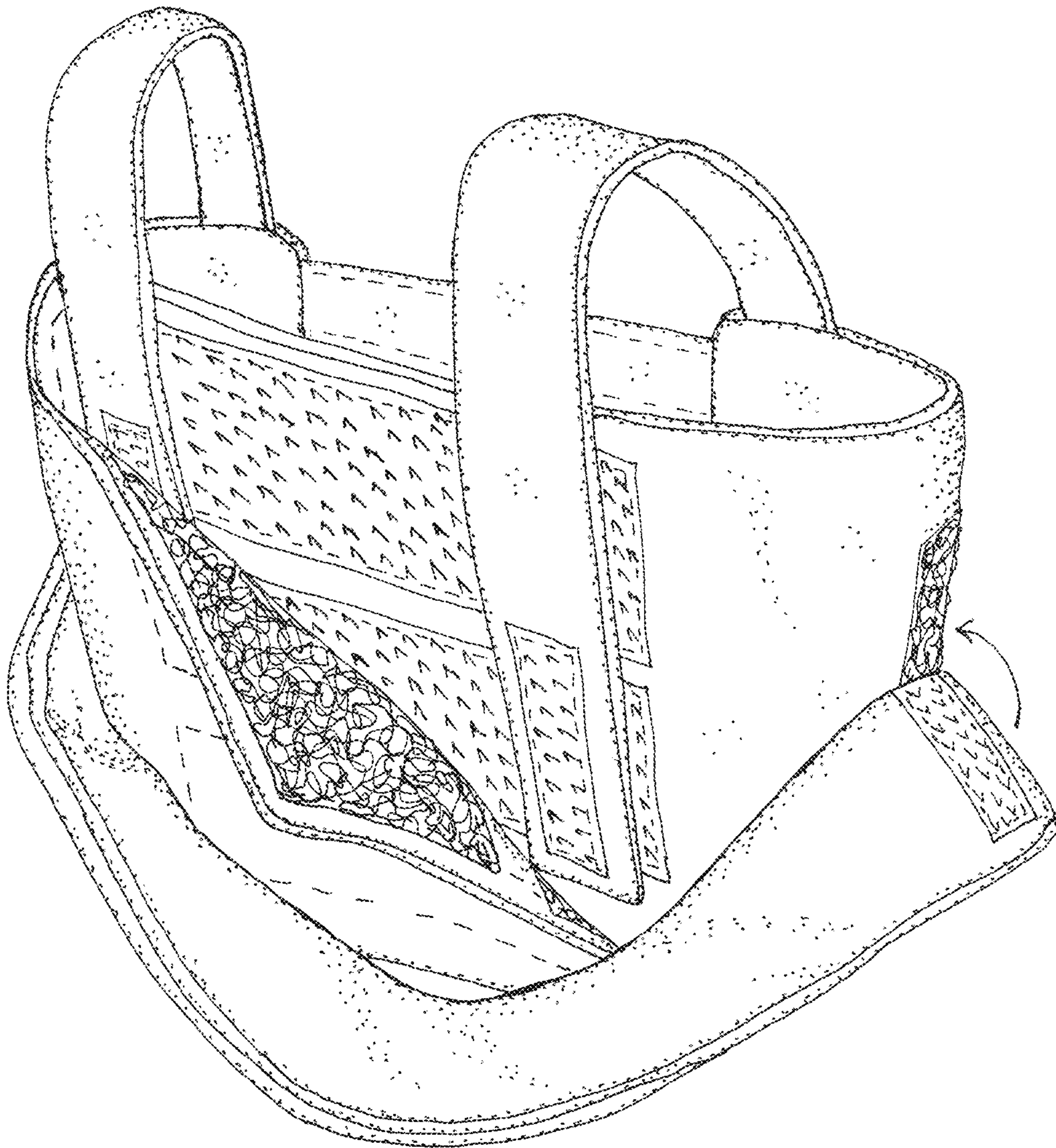


FIG. 6

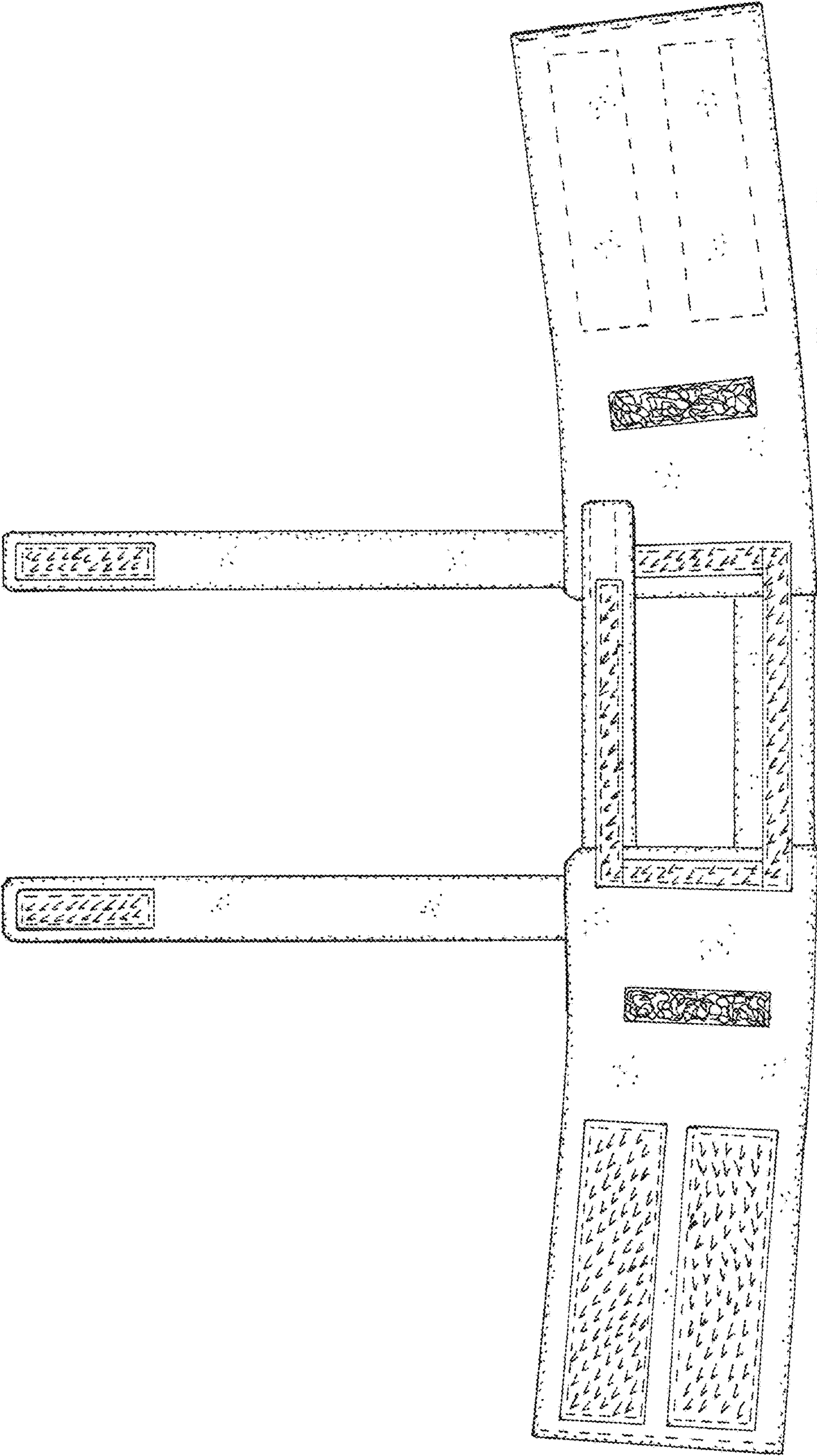


FIG. 7

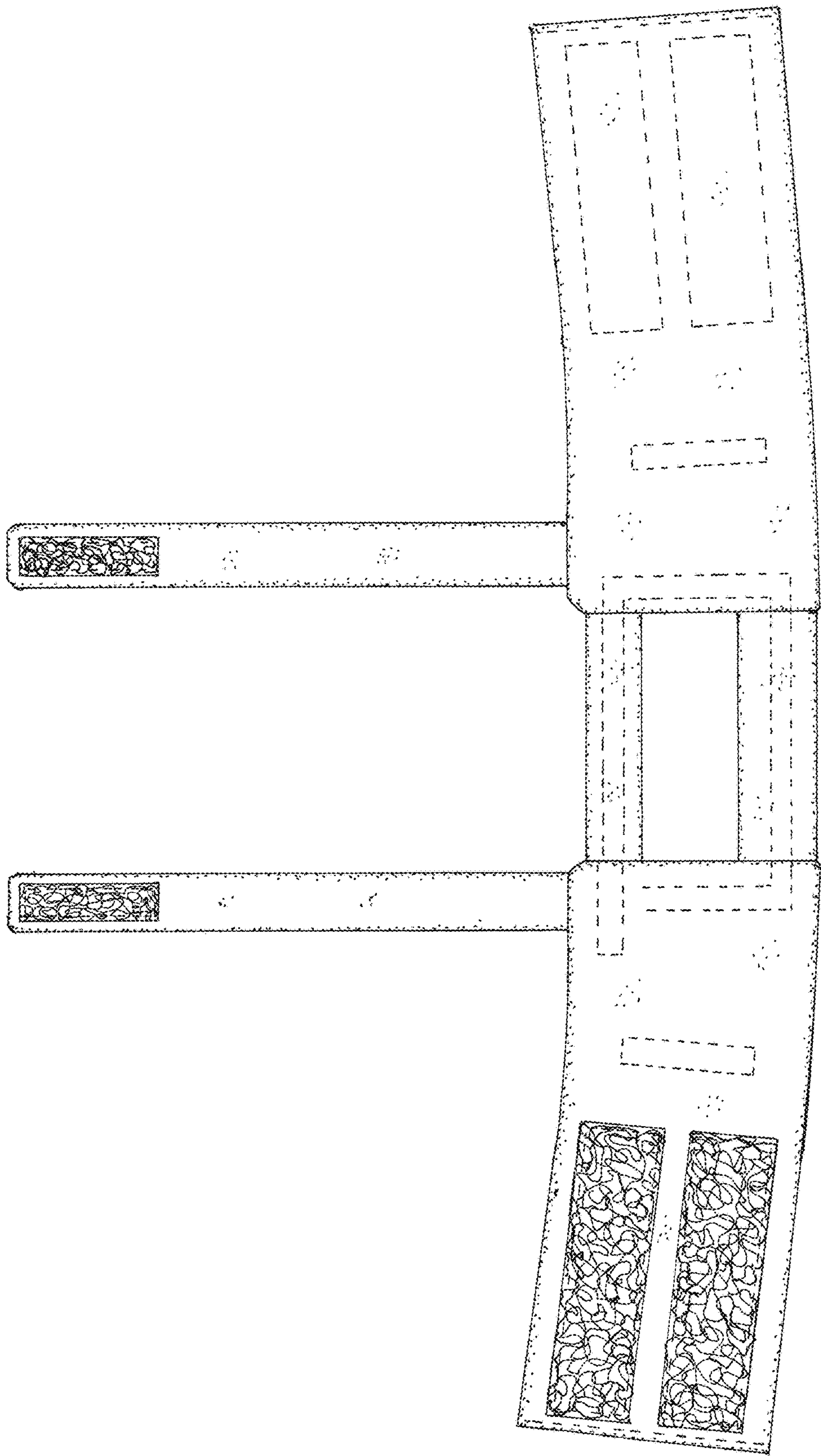


FIG. 8

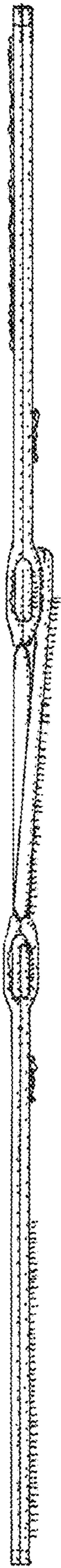


FIG. 9

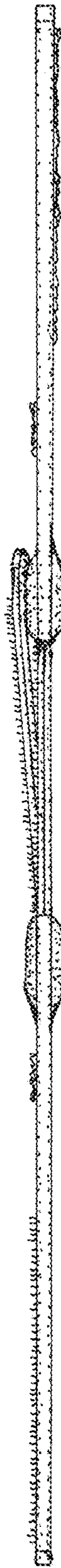


FIG. 10

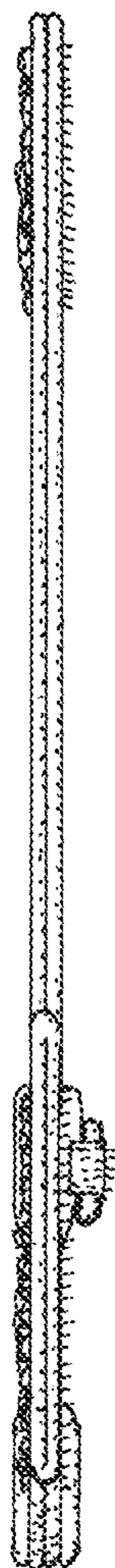


FIG. 11

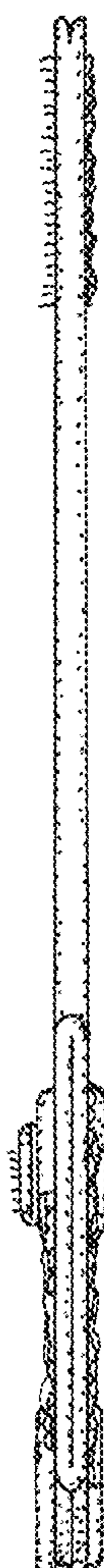
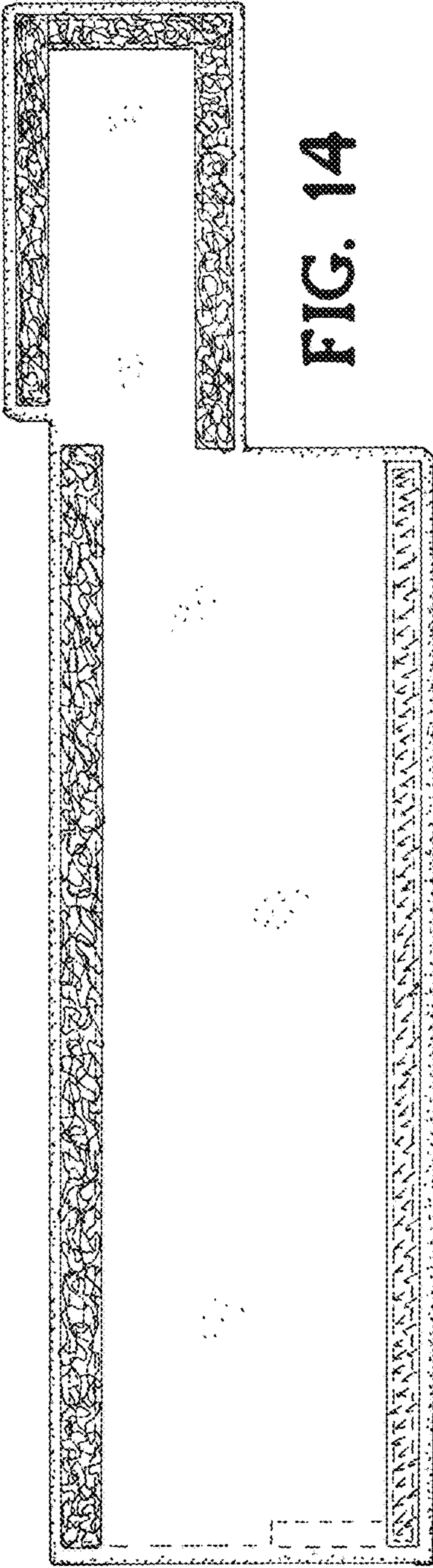
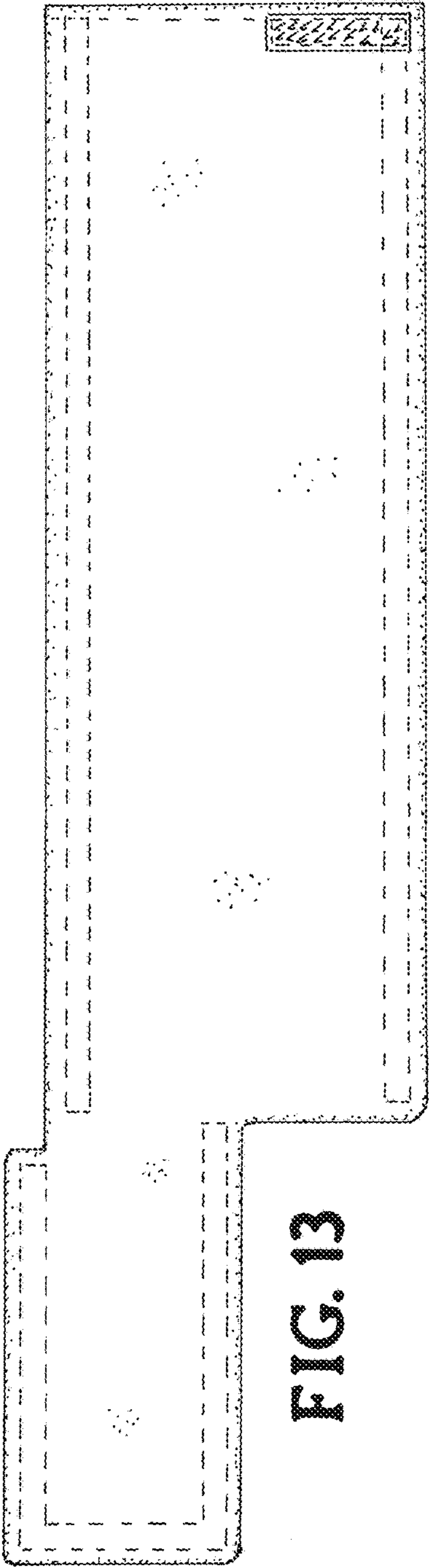


FIG. 12



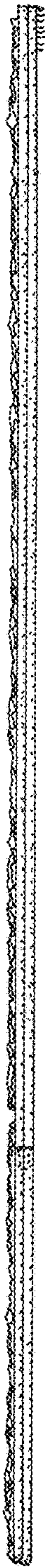


FIG. 15

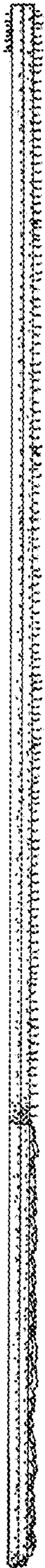


FIG. 16

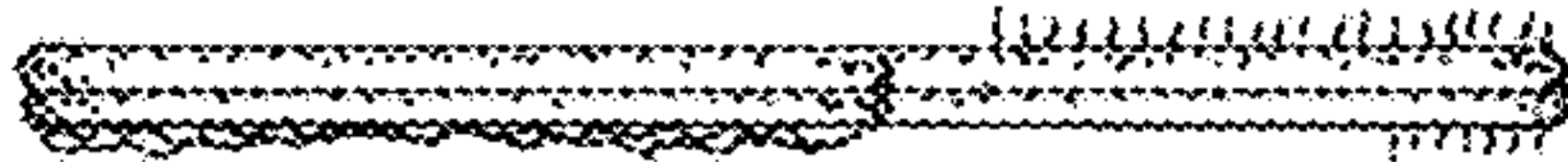


FIG. 17

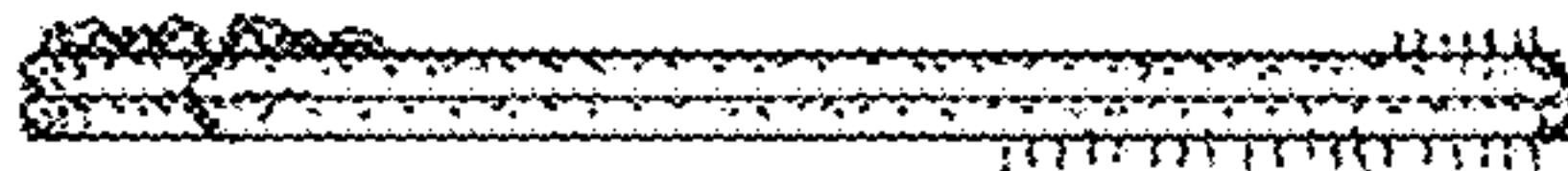


FIG. 18