



US00D971586S

(12) **United States Design Patent** (10) **Patent No.:** **US D971,586 S**
Jitsuda et al. (45) **Date of Patent:** **** Dec. 6, 2022**

- (54) **CONNECTING END PORTION OF A KNITTING NEEDLE**
- (71) Applicant: **Clover Mfg. Co., Ltd.**, Osaka (JP)
- (72) Inventors: **Toshiharu Jitsuda**, Osaka (JP);
Mayumi Matsumoto, Osaka (JP);
Shinichi Kitao, Osaka (JP)
- (73) Assignee: **CLOVER MFG. CO., LTD.**, Osaka (JP)
- (**) Term: **15 Years**
- (21) Appl. No.: **29/694,361**
- (22) Filed: **Jun. 10, 2019**
- (30) **Foreign Application Priority Data**
- Jan. 18, 2019 (JP) 2019-000884
Jan. 18, 2019 (JP) 2019-000885
- (51) **LOC (13) Cl.** **02-07**
- (52) **U.S. Cl.**
USPC **D3/28**
- (58) **Field of Classification Search**
USPC D3/18, 20, 28; D15/66, 78; D24/130
CPC . D04B 3/00; D04B 3/02; D04B 33/00; D04B 35/02; D05B 85/00
See application file for complete search history.
- (56) **References Cited**
- U.S. PATENT DOCUMENTS
- 1,286,125 A * 11/1918 Sessions et al. D04B 17/04
66/117
1,989,352 A * 1/1935 Davis et al. D04B 3/02
66/117
1,999,691 A * 4/1935 Graham et al. D04B 3/02
66/117
D99,273 S * 4/1936 Ellis et al. D15/78

- 2,043,958 A * 6/1936 Engel et al. D04B 3/02
66/117
2,045,267 A * 6/1936 Graham et al. D04B 17/04
66/117
2,059,968 A * 11/1936 Le Febvre et al. D04B 17/04
66/117
D133,543 S * 8/1942 Megarry et al. D15/78
2,341,403 A * 2/1944 Williams et al. E05B 17/106
252/301.36
2,633,720 A * 4/1953 Robbins D04B 3/02
66/117
3,280,595 A * 10/1966 Linstead D04B 3/02
D15/66
4,007,610 A * 2/1977 Linstead D04B 3/02
D3/20
4,195,496 A * 4/1980 Vasquez D04B 3/02
66/117
D269,734 S * 7/1983 Okada D3/28
(Continued)

Primary Examiner — Steven J Czyz
(74) *Attorney, Agent, or Firm* — Hamre, Schumann,
Mueller & Larson, P.C.

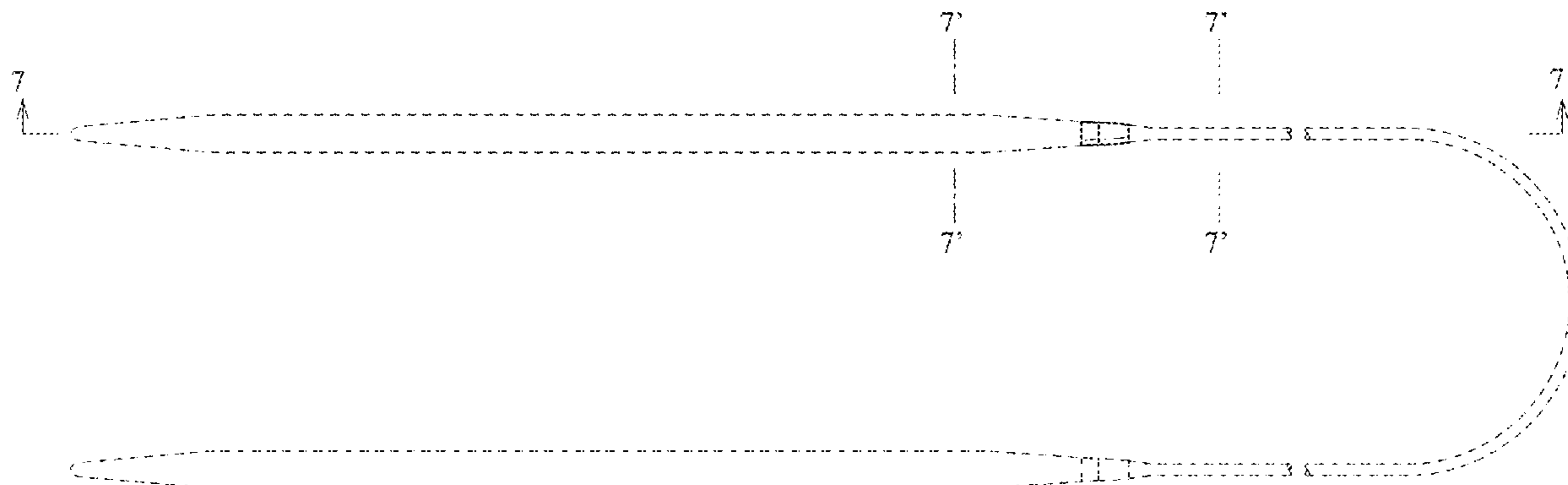
(57) **CLAIM**

We claim the ornamental design for a connecting end portion of a knitting needle, as shown and described.

DESCRIPTION

FIG. 1 is a front view showing a connecting end portion of a knitting needle according to our design;
FIG. 2 is a rear view thereof;
FIG. 3 is a left side view thereof;
FIG. 4 is a right side view thereof;
FIG. 5 is a top plan view thereof;
FIG. 6 is a bottom plan view thereof; and,
FIG. 7 is a cross-sectional view taken along arrow lines 7-7 between chain lines 7'-7' in FIG. 1.
The broken lines depict portions of the article that form no part of the claimed design.

1 Claim, 5 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

4,494,387 A * 1/1985 Phipps D04B 3/02
66/117
4,501,133 A * 2/1985 Kretzschmar D04B 3/02
66/117
4,646,543 A * 3/1987 Okada D04B 3/02
66/117
4,680,947 A * 7/1987 Phipps, Sr. D04B 3/02
66/117
4,693,094 A * 9/1987 Kahn D04B 3/02
66/117
D362,539 S * 9/1995 Vigil D3/28
D386,899 S * 12/1997 Carroll D3/18
5,720,187 A * 2/1998 Matuo D04B 3/02
66/117
D434,216 S * 11/2000 Collingham D3/28
6,397,640 B1 * 6/2002 Williams D04B 3/02
66/117
6,668,597 B2 * 12/2003 Robinson D04B 3/02
66/118
6,983,627 B1 * 1/2006 Eley-Holden-Sotnik
D04B 3/02
66/117
D526,477 S * 8/2006 Jost D3/28
D545,562 S * 7/2007 Feller D3/28
7,954,342 B2 * 6/2011 Devagnanam D04B 3/02
66/117
8,181,489 B2 * 5/2012 Selter D04B 3/02
66/117
8,210,003 B2 * 7/2012 Zheng D04B 3/02
66/117
D735,469 S * 8/2015 Rastogi D04B 3/02
D3/28
D735,470 S * 8/2015 Rastogi D3/28
D735,776 S * 8/2015 Rastogi D15/66
D739,136 S * 9/2015 Rastogi D04B 3/02
D3/28
9,181,641 B1 * 11/2015 Moraca D04B 3/02
D754,863 S * 4/2016 Shionoya D24/190
D782,181 S * 3/2017 Rastogi D04B 3/02
D3/28

9,610,745 B2 * 4/2017 Dettorre B29D 30/0061
D822,373 S * 7/2018 Elalouf D3/28
10,047,464 B2 * 8/2018 Hiza D05B 85/12
D835,900 S * 12/2018 Papenfuss D04B 3/02
D3/28
D840,673 S * 2/2019 Elalouf D05B 85/12
D3/28
D851,907 S * 6/2019 Hiza D04B 3/02
D3/28
D877,488 S * 3/2020 Elalouf D04B 3/02
D3/28
D885,745 S * 6/2020 Kimbrel D04B 3/02
D3/28
10,760,190 B2 * 9/2020 Rasch D04B 3/02
D936,958 S * 11/2021 Selter D04B 3/02
D3/28
D950,937 S * 5/2022 Rastogi B65D 85/24
D3/28
D950,938 S * 5/2022 Rastogi B27K 3/08
D3/28
D950,939 S * 5/2022 Rastogi D04B 3/02
D3/28
2003/0121291 A1 * 7/2003 Robinson D04B 3/02
66/118
2010/0218561 A1 * 9/2010 Devagnanam D04B 3/02
66/123
2011/0197636 A1 * 8/2011 Selter D04B 3/02
66/117
2012/0118021 A1 * 5/2012 Zheng D04B 3/02
66/1 A
2015/0240398 A1 * 8/2015 Selter D04B 3/02
66/123
2018/0023227 A1 * 1/2018 Mantione D04B 3/02
66/157
2018/0298531 A1 * 10/2018 Koiman D04B 3/02
2018/0327943 A1 * 11/2018 Elalouf B27K 3/08
2019/0023481 A1 * 1/2019 Carlson B65D 85/24
2019/0203391 A1 * 7/2019 Rasch D04B 3/02
2019/0284736 A1 * 9/2019 Zheng D04B 3/02
2020/0071862 A1 * 3/2020 Papenfuss D04B 3/02
2020/0232131 A1 * 7/2020 Jitsuda D04B 35/02
2021/0087723 A1 * 3/2021 Zheng D04B 3/02

* cited by examiner

FIG. 1

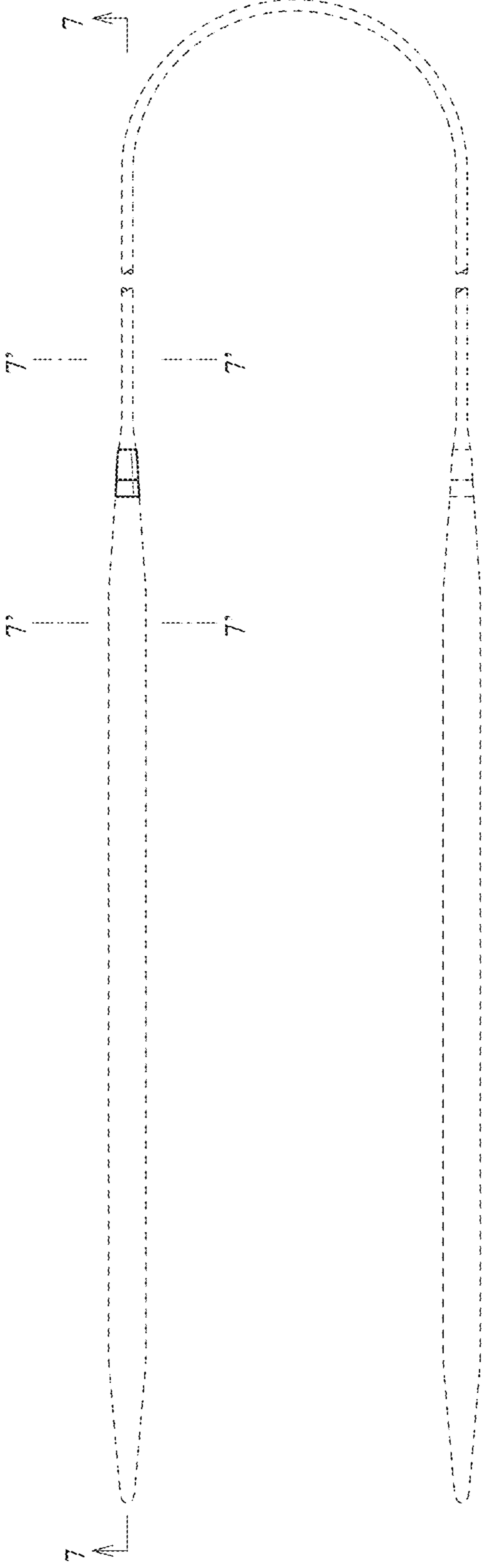


FIG. 2

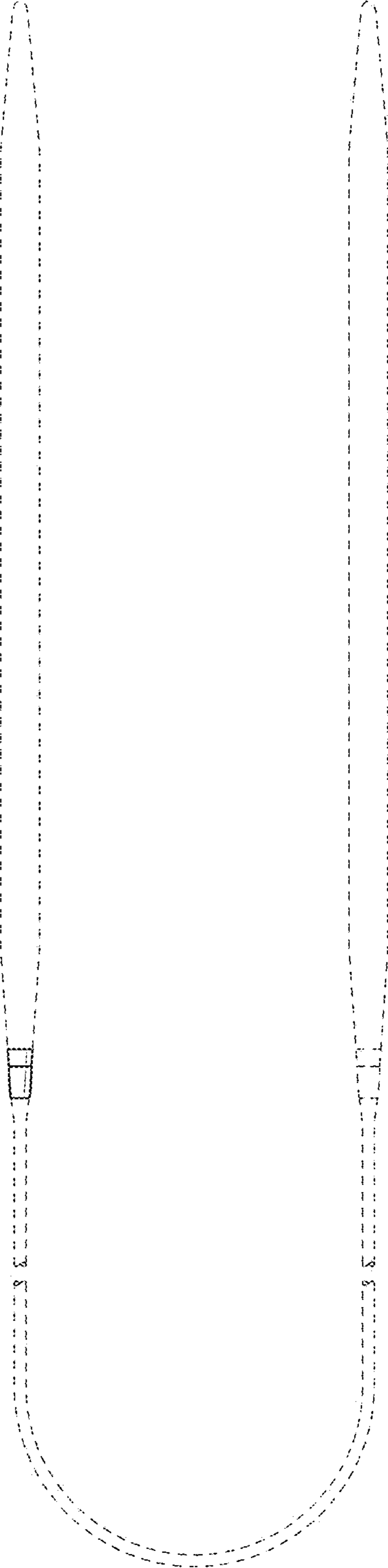


FIG. 4

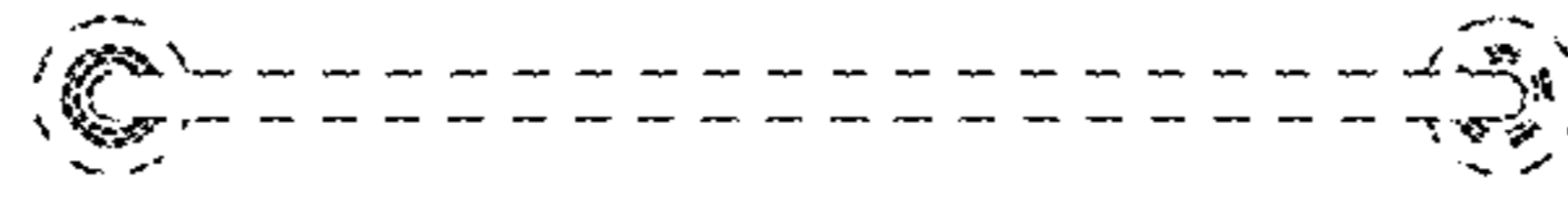


FIG. 3

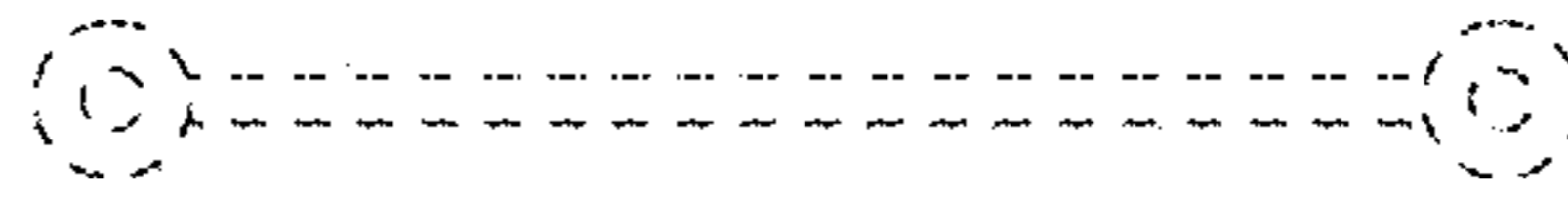


FIG. 5



FIG. 6

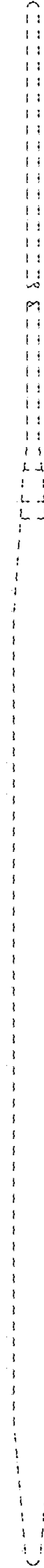


FIG. 7

