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(54) **ELECTRICAL CURRENT SENSOR**

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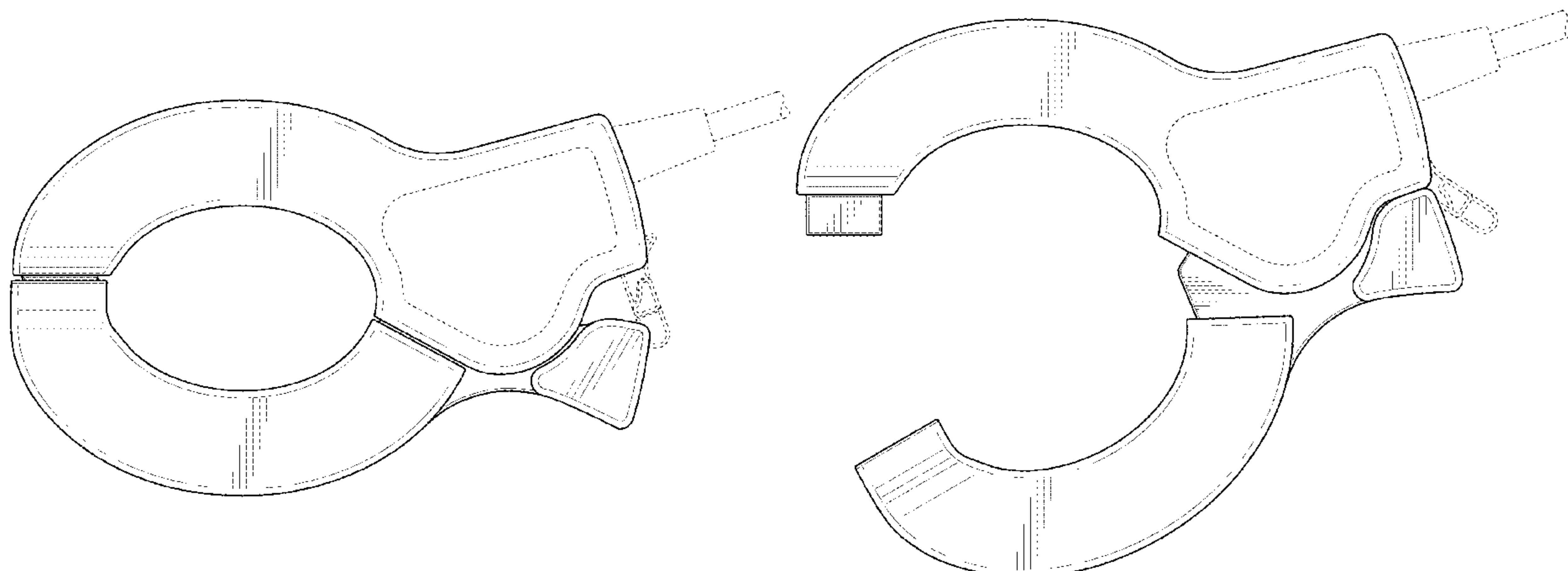
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- U.S. Appl. No. 17/338,558, filed Jun. 3, 2021, Pending, Christopher M. Micali et al.
- U.S. Appl. No. 16/179,567, filed Nov. 2, 2018, Pending, Ghinwa Fakhri Choueiter.

U.S. Appl. No. 16/179,598, filed Nov. 2, 2018, Pending, Ghinwa Fakhri Choueiter.

U.S. Appl. No. 16/179,619, filed Nov. 2, 2018, Allowed, Ghinwa Fakhri Choueiter.

PCT/US19/54062, Oct. 1, 2019, Pending, Ghinwa Fakhri Choueiter.

\* cited by examiner

*Primary Examiner* — Lauren D McVey

(74) *Attorney, Agent, or Firm* — GTC Law Group PC & Affiliates

# (57) **CLAIM**

The ornamental design for an electrical current sensor, as shown and described.

## **DESCRIPTION**

FIG. 1 is a front side view of a first embodiment of an electrical current sensor in a closed position;  
 FIG. 2 is a rear side view of the electrical current sensor of FIG. 1 in a closed position;  
 FIG. 3 is a top plan view of the electrical current sensor of FIG. 1 in a closed position;  
 FIG. 4 is a bottom plan view of the electrical current sensor of FIG. 1 in a closed position;  
 FIG. 5 is a left side view of the electrical current sensor of FIG. 1 in a closed position;  
 FIG. 6 is a right side view of the electrical current sensor of FIG. 1 in a closed position;  
 FIG. 7 is a rear perspective view of the right side of the electrical current sensor of FIG. 1 in a closed position;  
 FIG. 8 is a front perspective view of the left side of the electrical current sensor of FIG. 1 in a closed position;  
 FIG. 9 is a front side view of the electrical current sensor of FIG. 1 in an open position;  
 FIG. 10 is a rear side view of the electrical current sensor of FIG. 1 in an open position;  
 FIG. 11 is a top plan view of the electrical current sensor of FIG. 1 in an open position;  
 FIG. 12 is a bottom plan view of the electrical current sensor of FIG. 1 in an open position;  
 FIG. 13 is a left side view of the electrical current sensor of FIG. 1 in an open position;  
 FIG. 14 is a right side view of the electrical current sensor of FIG. 1 in an open position;  
 FIG. 15 is a rear perspective view of the right side of the electrical current sensor of FIG. 1 in an open position;  
 FIG. 16 is a front perspective view of the electrical current sensor of FIG. 1 in an open position;  
 FIG. 17 is a front side view of a second embodiment of the electrical current sensor in a closed position;  
 FIG. 18 is a rear side view of the electrical current sensor of FIG. 17 in a closed position;  
 FIG. 19 is a top plan view of the electrical current sensor of FIG. 17 in a closed position;  
 FIG. 20 is a bottom plan view of the electrical current sensor of FIG. 17 in a closed position;  
 FIG. 21 is a left side view of the electrical current sensor of FIG. 17 in a closed position;  
 FIG. 22 is a right side view of the electrical current sensor of FIG. 17 in a closed position;  
 FIG. 23 is a rear perspective view of the left side of the electrical current sensor of FIG. 17 in a closed position;  
 FIG. 24 is a front perspective view of the electrical current sensor of FIG. 17 in a closed position;

FIG. 25 is a front side view of the electrical current sensor of FIG. 17 in an open position;

FIG. 26 is a rear side view of the electrical current sensor of FIG. 17 in an open position;

FIG. 27 is a top plan view of the electrical current sensor of FIG. 17 in an open position;

FIG. 28 is a bottom plan view of the electrical current sensor of FIG. 17 in an open position;

FIG. 29 is left side view of the electrical current sensor of FIG. 17 in an open position;

FIG. 30 is a right side view of the electrical current sensor of FIG. 17 in an open position;

FIG. 31 is a rear perspective view of the right side of the electrical current sensor of FIG. 17 in an open position;

FIG. 32 is a front perspective view of the electrical current sensor of FIG. 17 in an open position;

FIG. 33 is a front side view of a third embodiment of the electrical current sensor in a closed position;

FIG. 34 is a rear side view of the electrical current sensor of FIG. 33 in a closed position;

FIG. 35 is a top plan view of the electrical current sensor of FIG. 33 in a closed position;

FIG. 36 is a bottom plan view of the electrical current sensor of FIG. 33 in a closed position;

FIG. 37 is a left side view of the electrical current sensor of FIG. 33 in a closed position;

FIG. 38 is a right side view of the electrical current sensor of FIG. 33 in a closed position;

FIG. 39 is a rear perspective view of the right side of the electrical current sensor of FIG. 33 in a closed position;

FIG. 40 is a front perspective view of the left side of the electrical current sensor of FIG. 33 in a closed position;

FIG. 41 is a front side view of the electrical current sensor of FIG. 33 in an open position;

FIG. 42 is a rear side view of the electrical current sensor of FIG. 33 in an open position;

FIG. 43 is a top plan view of the electrical current sensor of FIG. 33 in an open position;

FIG. 44 is a bottom plan view of the electrical current sensor of FIG. 33 in an open position;

FIG. 45 is a left side view of the electrical current sensor of FIG. 33 in an open position;

FIG. 46 is a right side view of the electrical current sensor of FIG. 33 in an open position;

FIG. 47 is a rear perspective view of the right side of the electrical current sensor of FIG. 33 in an open position;

FIG. 48 is a front perspective view of the electrical current sensor of FIG. 33 in an open position;

FIG. 49 is a front side view of a fourth embodiment of the electrical current sensor in a closed position;

FIG. 50 is a rear side view of the electrical current sensor of FIG. 49 in a closed position;

FIG. 51 is a top plan view of the electrical current sensor of FIG. 49 in a closed position;

FIG. 52 is a bottom plan view of the electrical current sensor of FIG. 49 in a closed position;

FIG. 53 is a left side view of the electrical current sensor of FIG. 49 in a closed position;

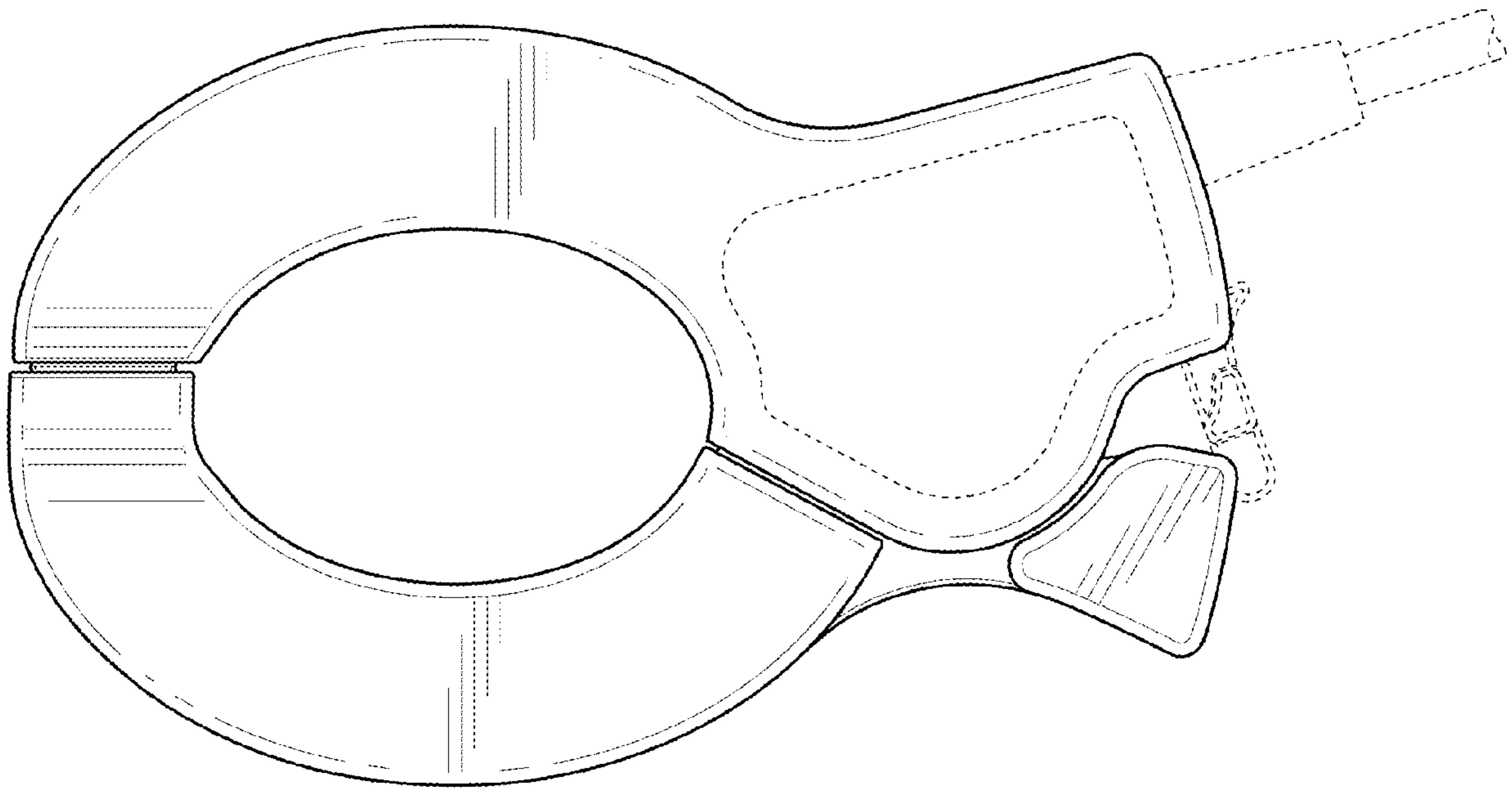
FIG. 54 is a right side view of the electrical current sensor of FIG. 49 in a closed position;

FIG. 55 is a rear perspective view of the right side of the electrical current sensor of FIG. 49 in a closed position;

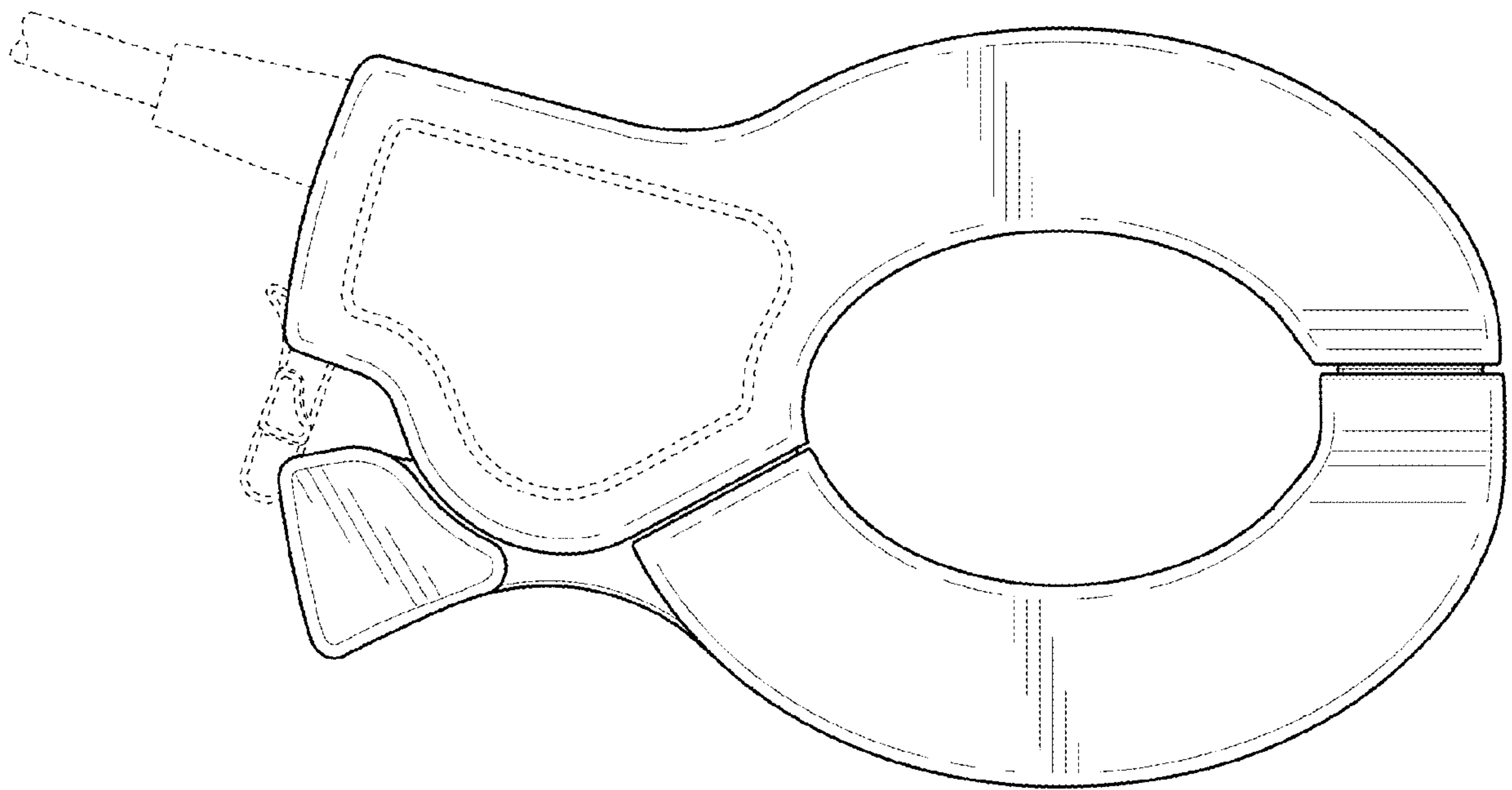
FIG. 56 is a front perspective view of the electrical current sensor of FIG. 49 in a closed position;

FIG. 57 is a front side view of the electrical current sensor of FIG. 49 in an open position;  
FIG. 58 is a rear side view of the electrical current sensor of FIG. 49 in an open position;  
FIG. 59 is a top plan view of the electrical current sensor of FIG. 49 in an open position;  
FIG. 60 is a bottom plan view of the electrical current sensor of FIG. 49 in an open position;  
FIG. 61 is a left side view of the electrical current sensor of FIG. 49 in an open position;  
FIG. 62 is a right side view of the electrical current sensor of FIG. 49 in an open position;  
FIG. 63 is a rear perspective view of the right side of the electrical current sensor of FIG. 49 in an open position; and,  
FIG. 64 is a front perspective view of the electrical current sensor of FIG. 49 in an open position.  
The broken lines are for environmental purposes only and form no part of the claimed design.

**1 Claim, 48 Drawing Sheets**



**FIG. 1**



**FIG. 2**

FIG. 3

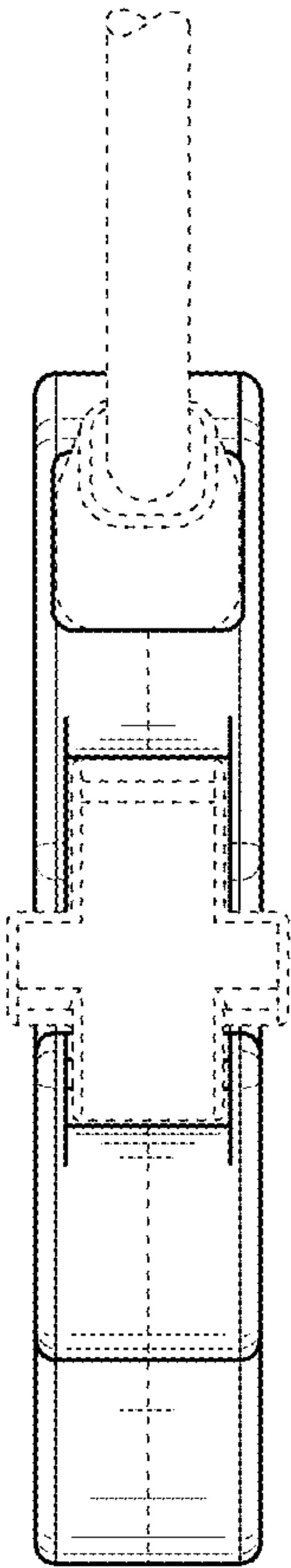
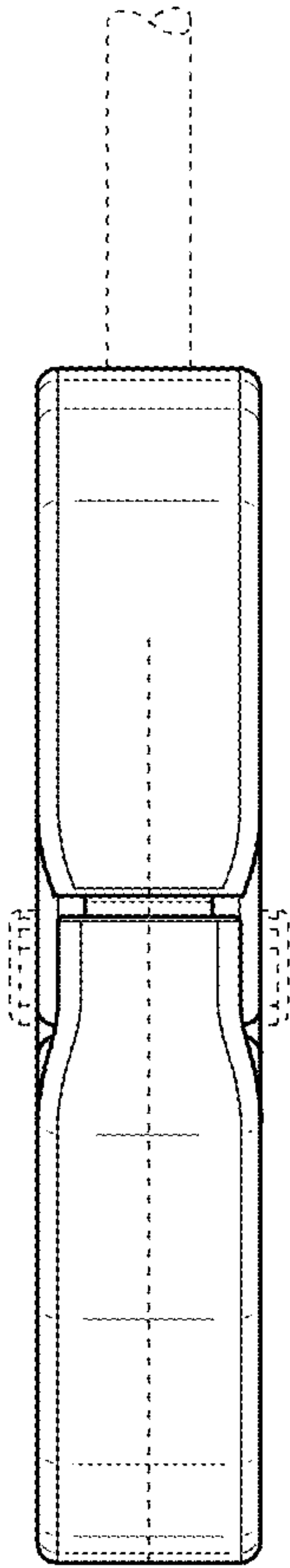
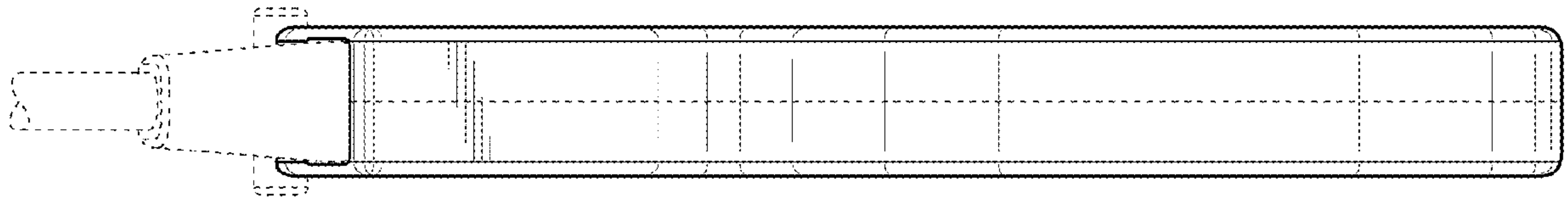
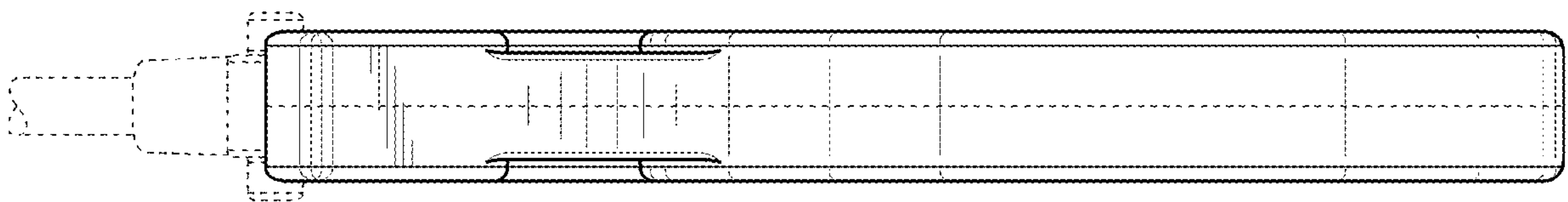


FIG. 4

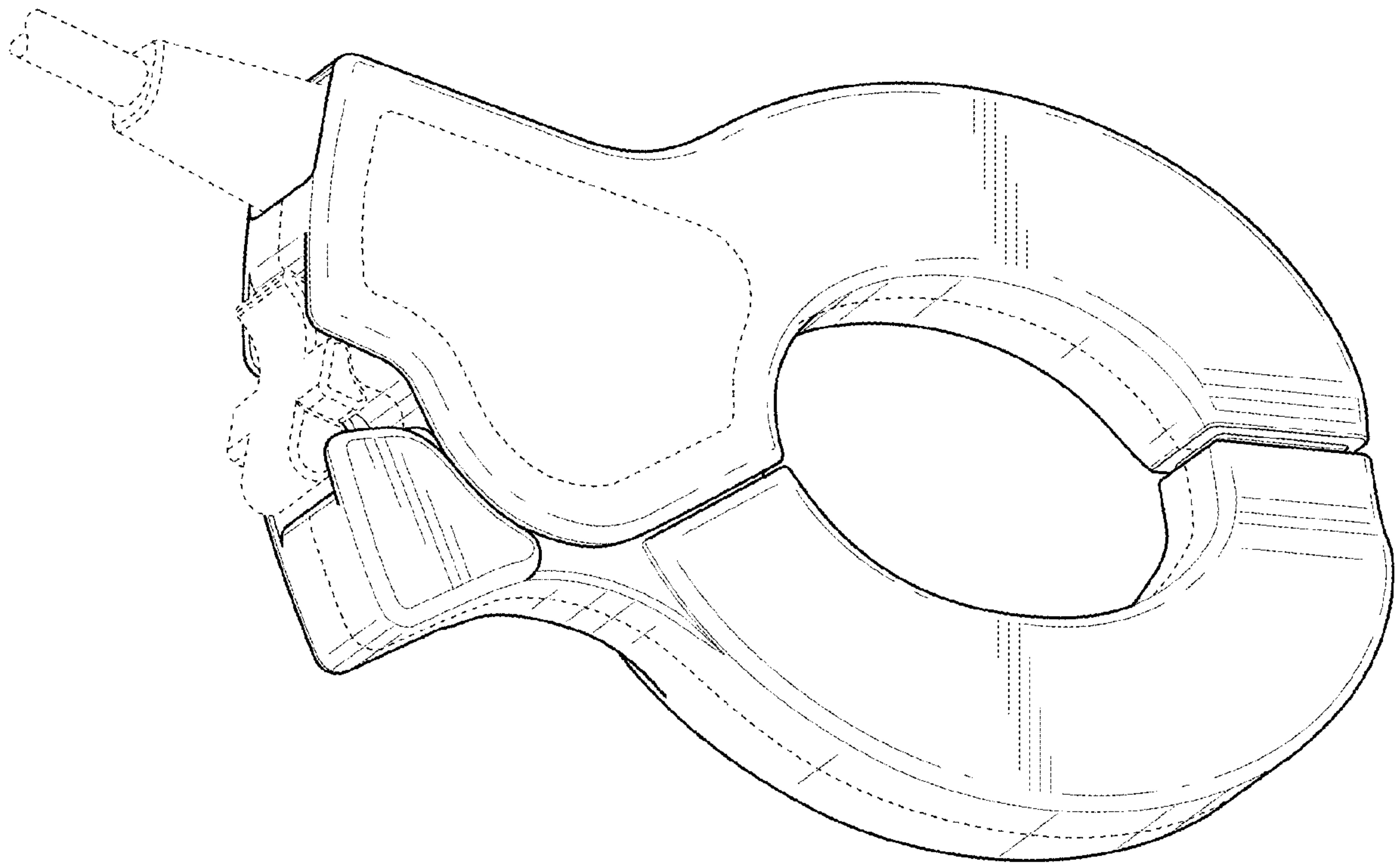




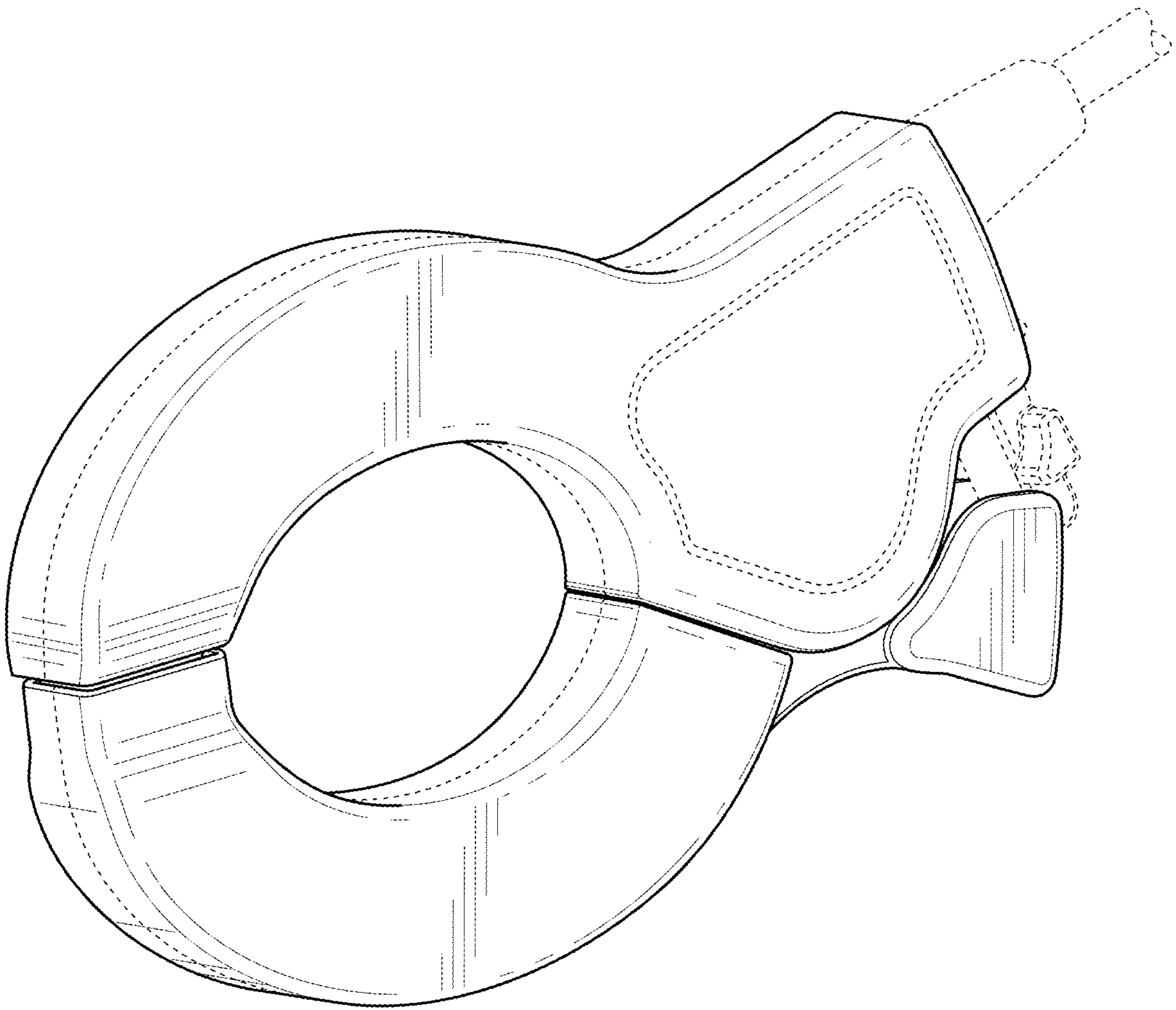
**FIG. 5**



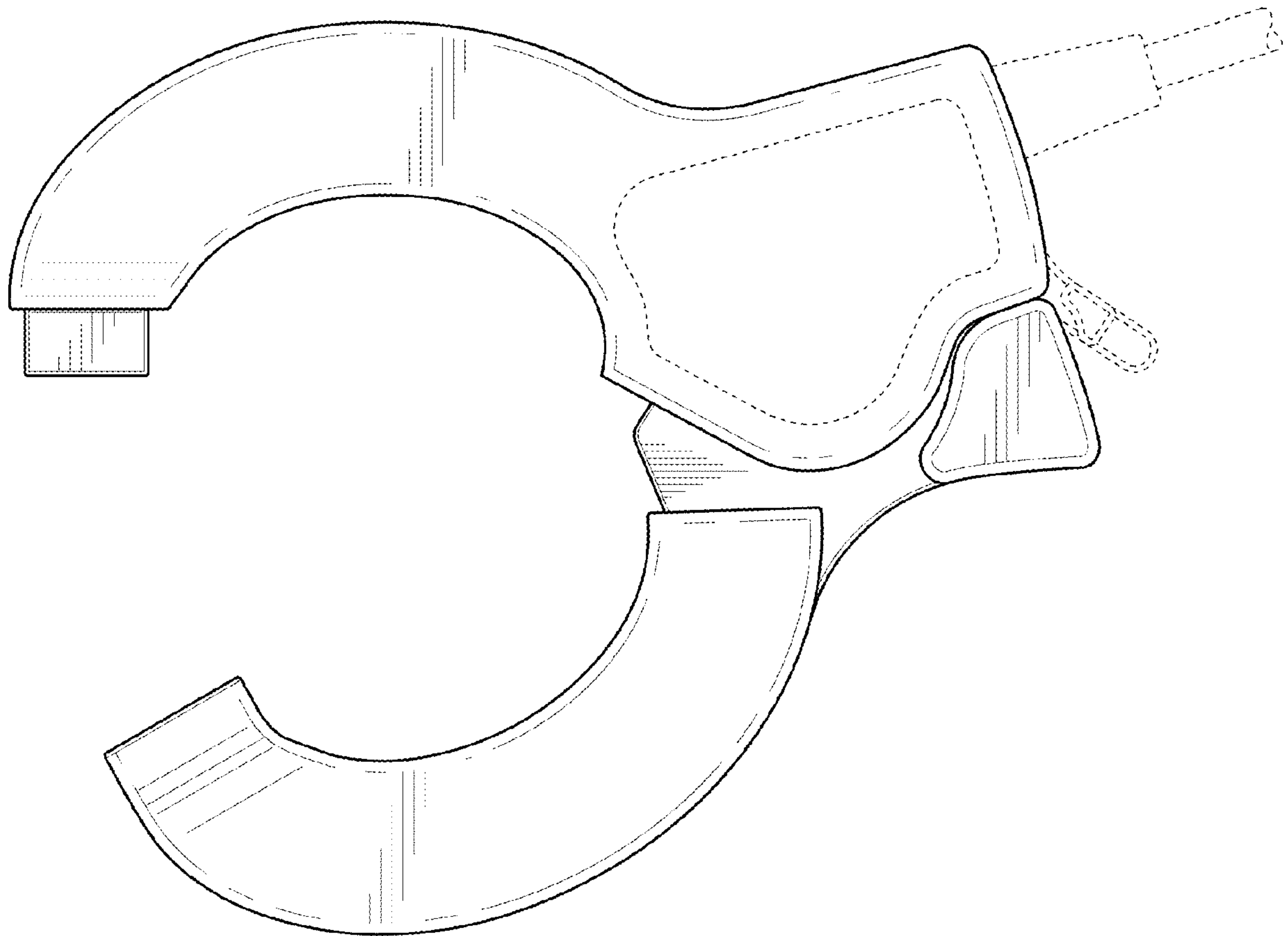
**FIG. 6**



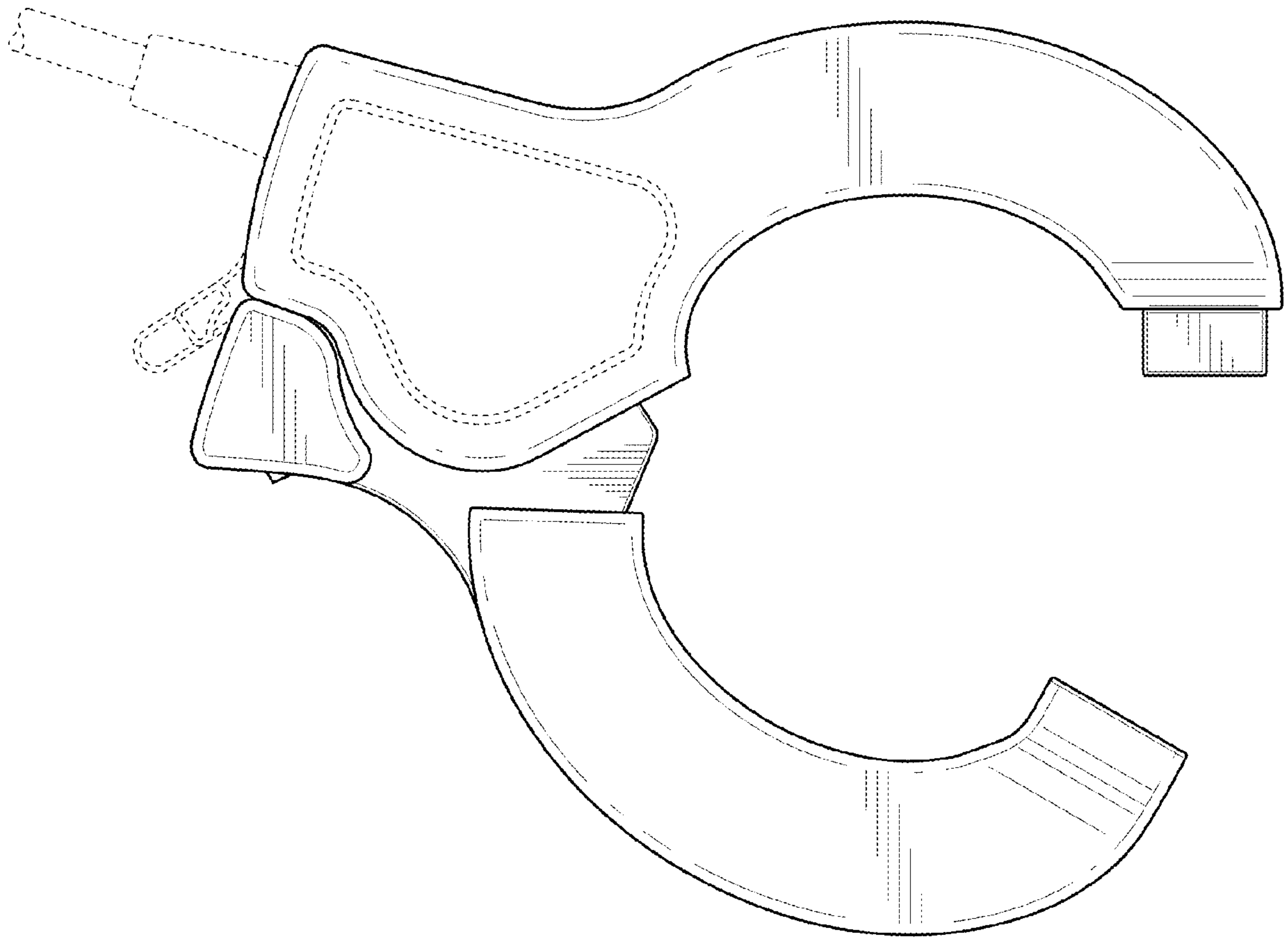
**FIG. 7**



**FIG. 8**



**FIG. 9**



**FIG. 10**

FIG. 11

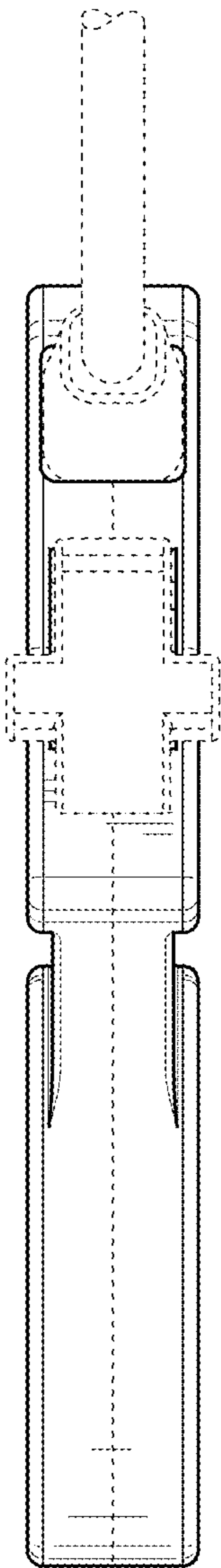
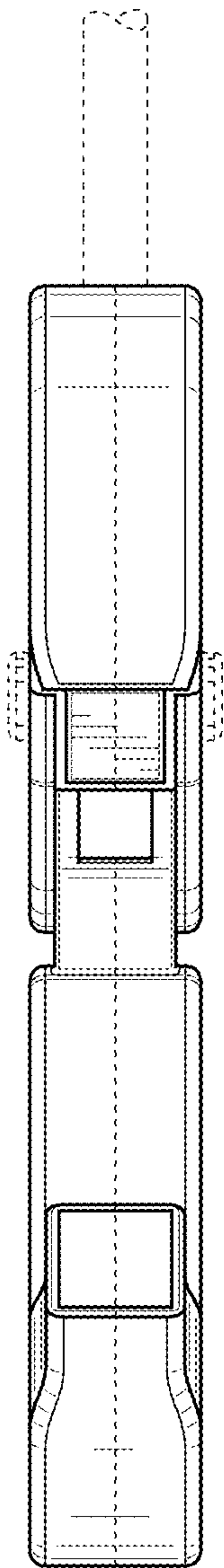
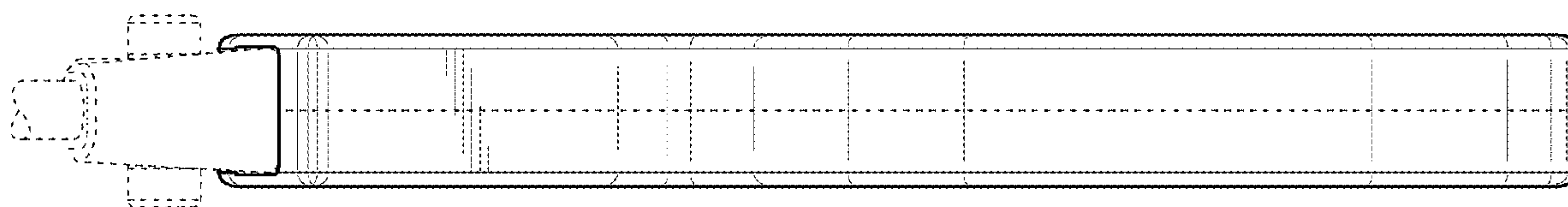
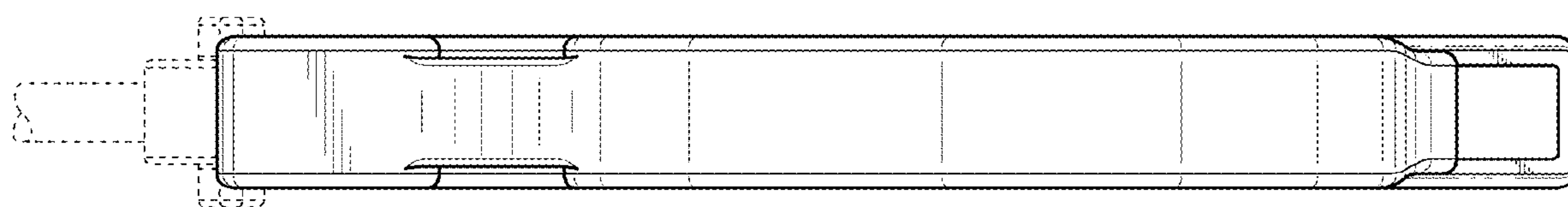


FIG. 12

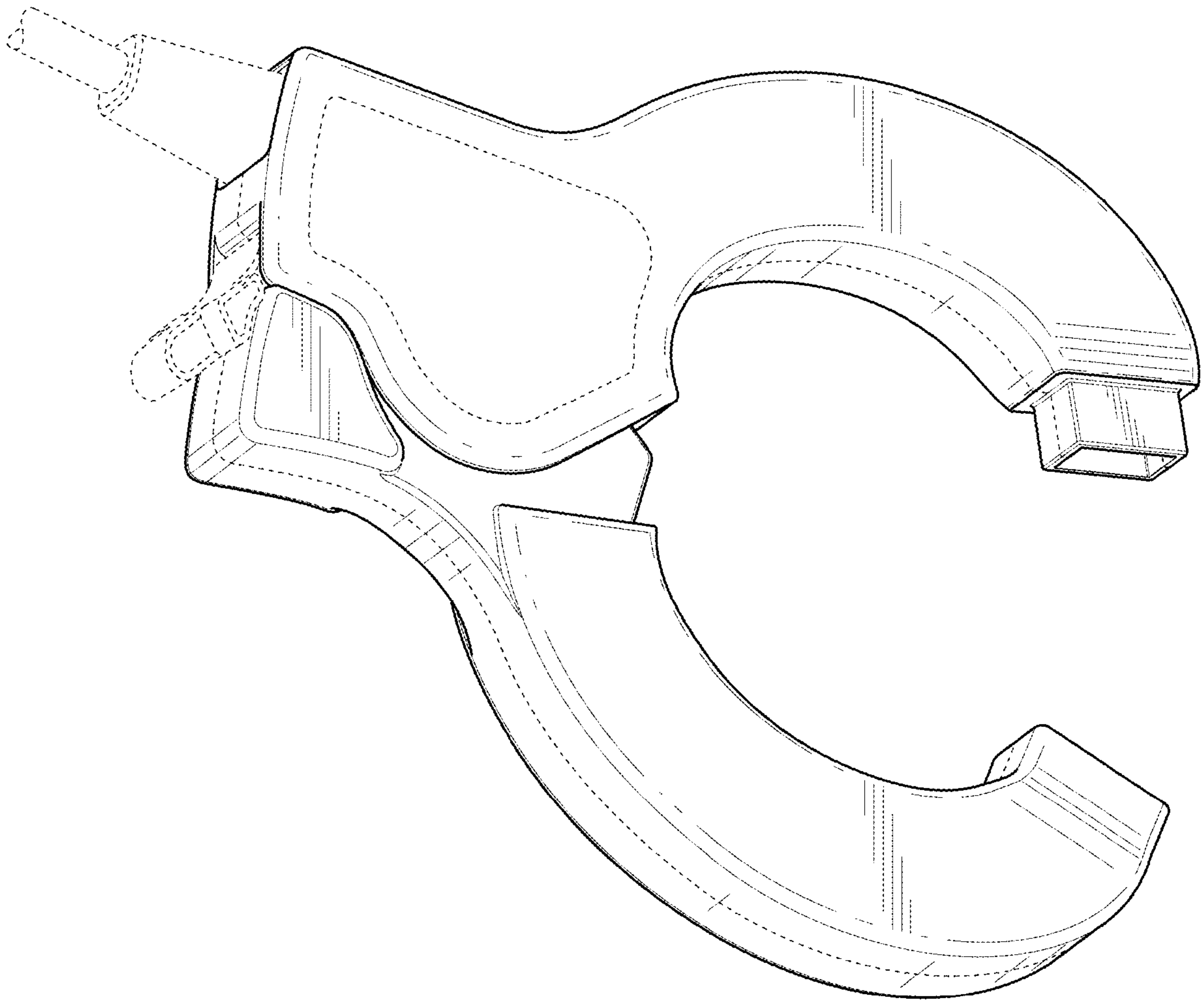




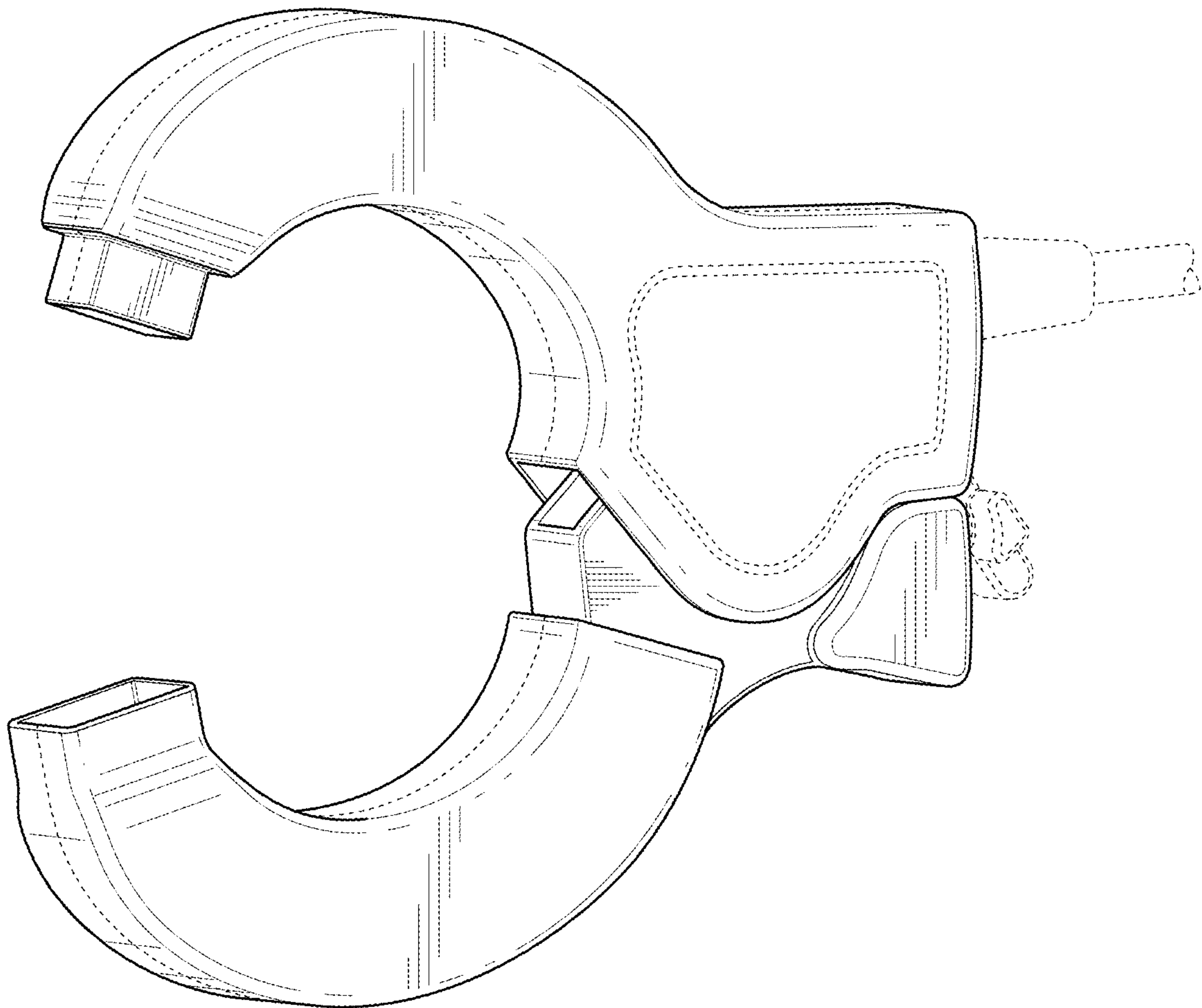
**FIG. 13**



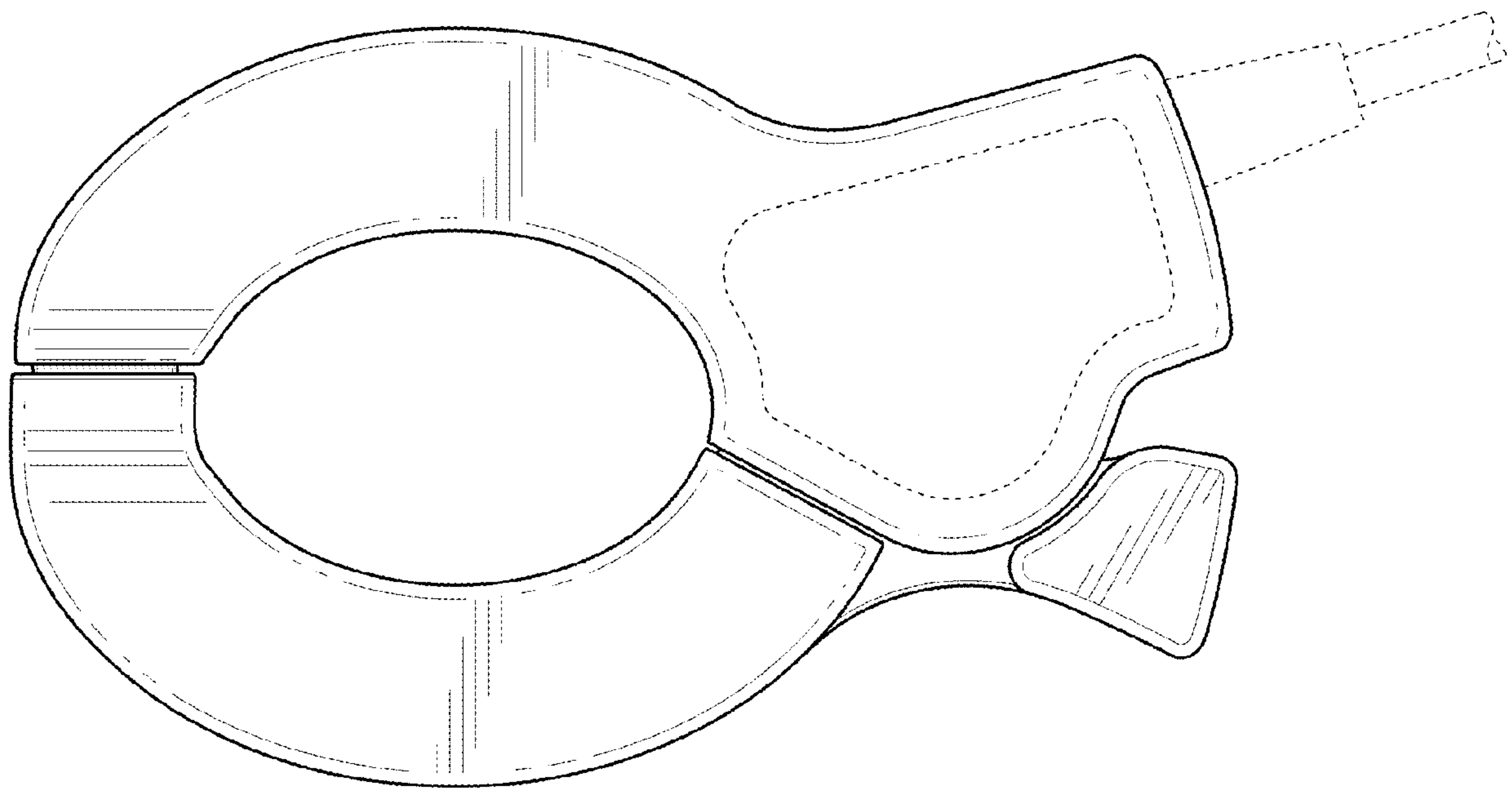
**FIG. 14**



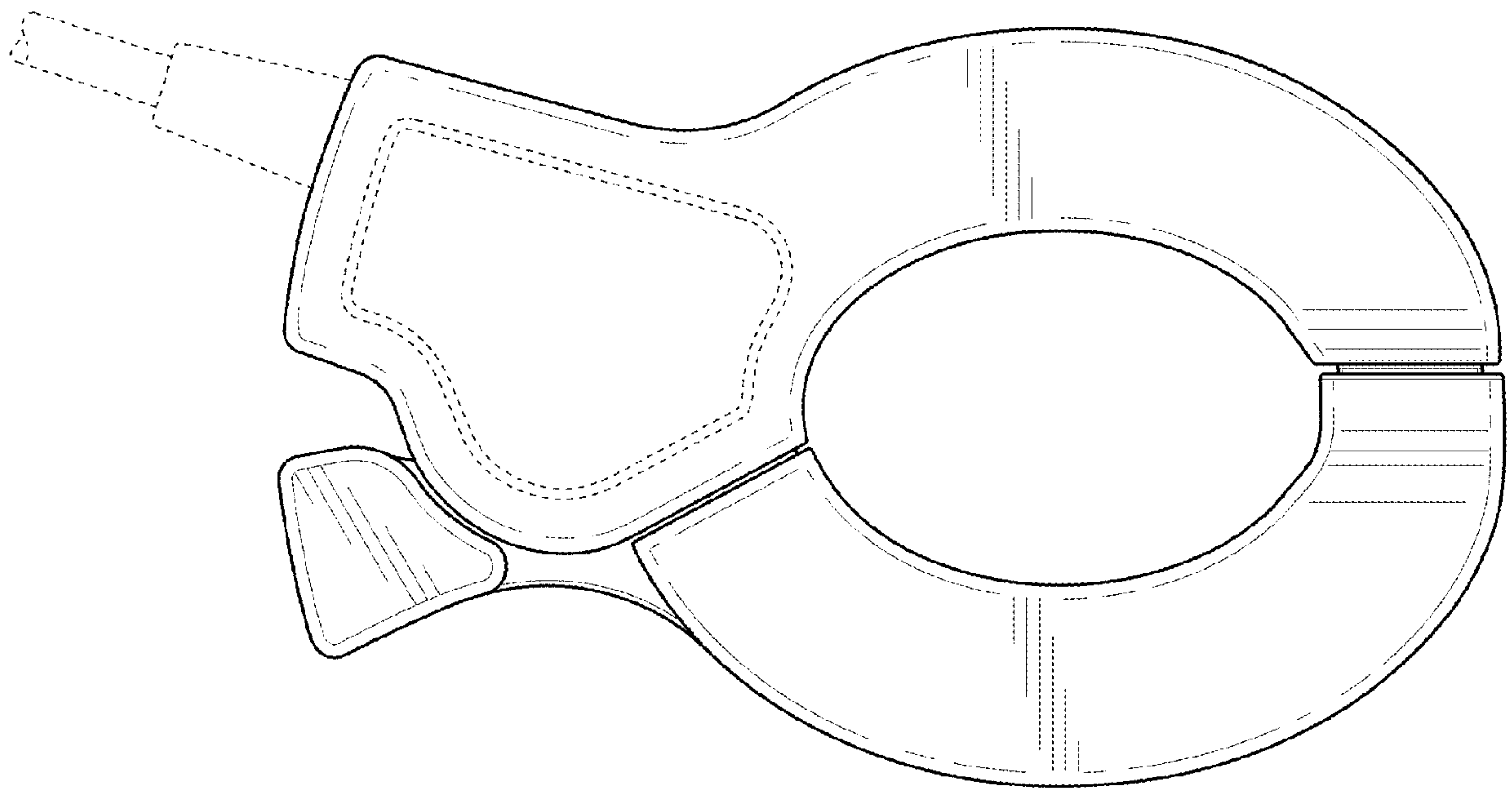
**FIG. 15**



**FIG. 16**



**FIG. 17**



**FIG. 18**

FIG. 19

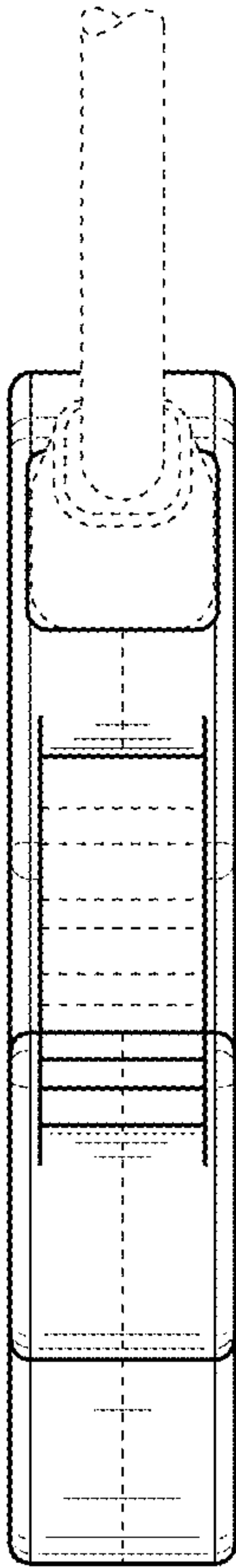
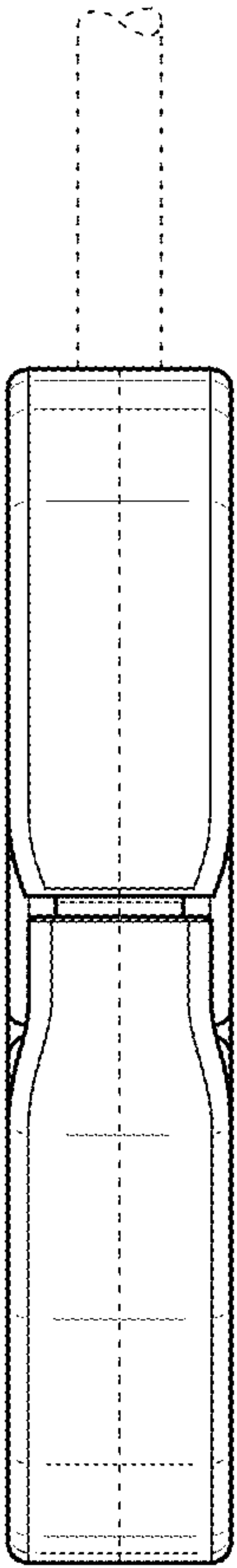
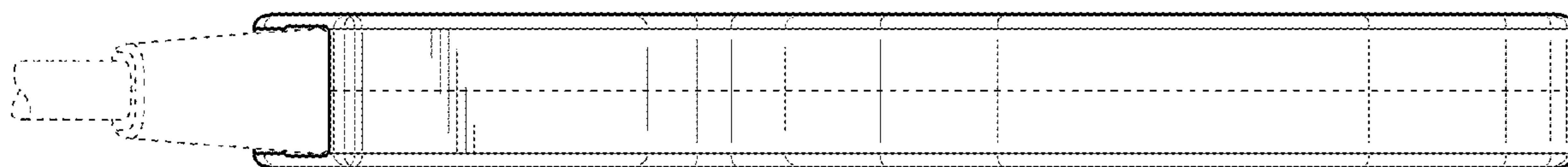
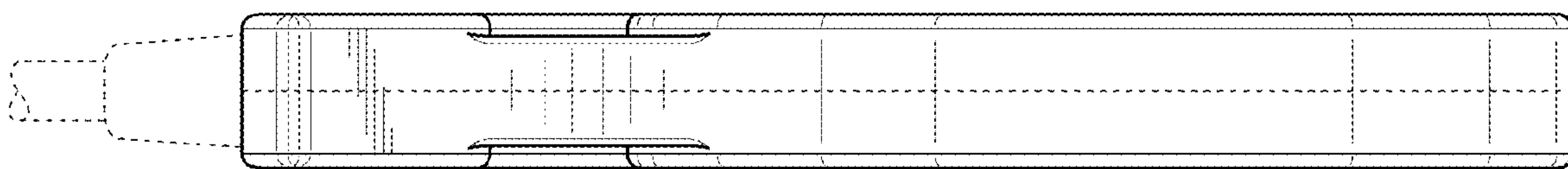


FIG. 20

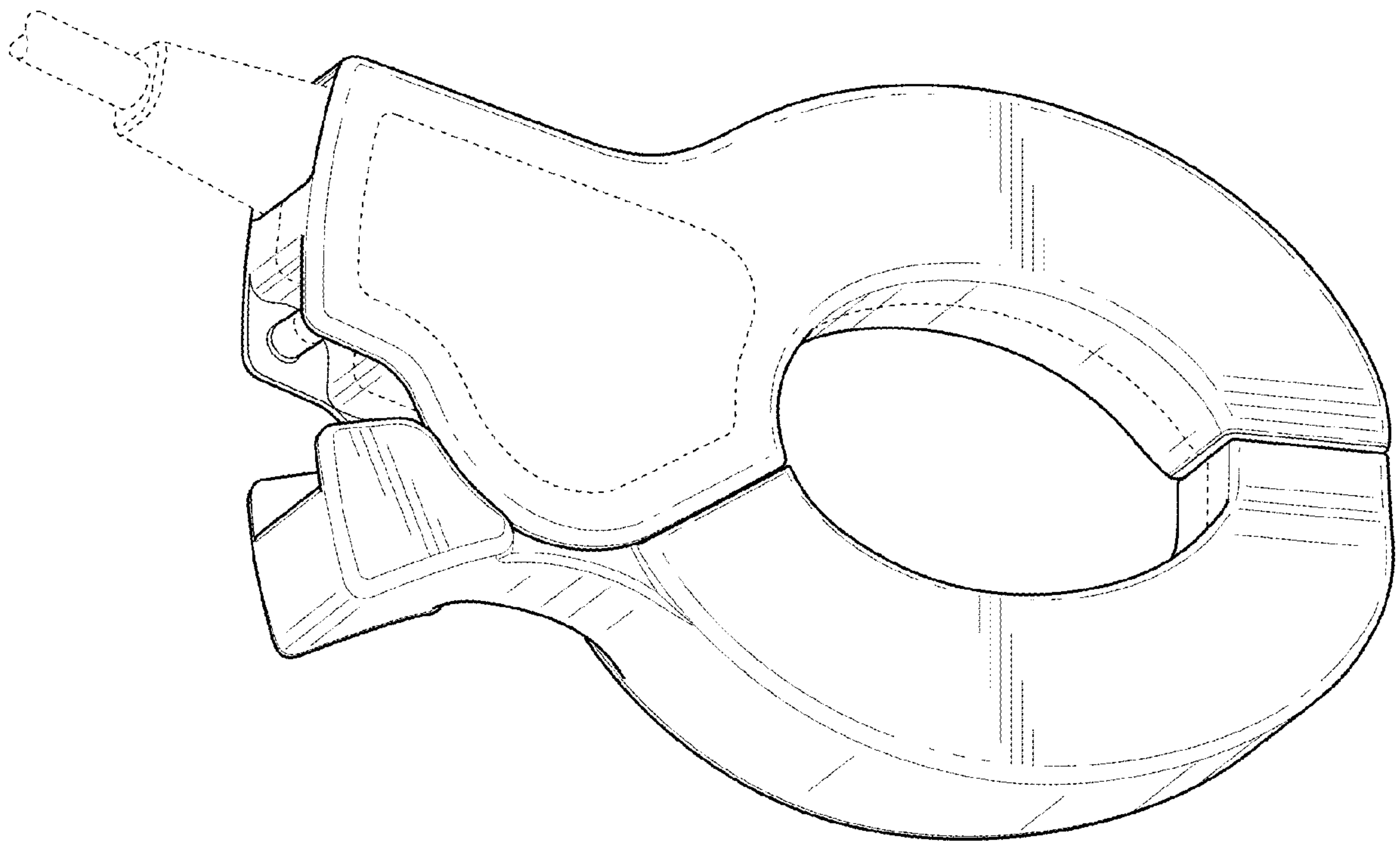




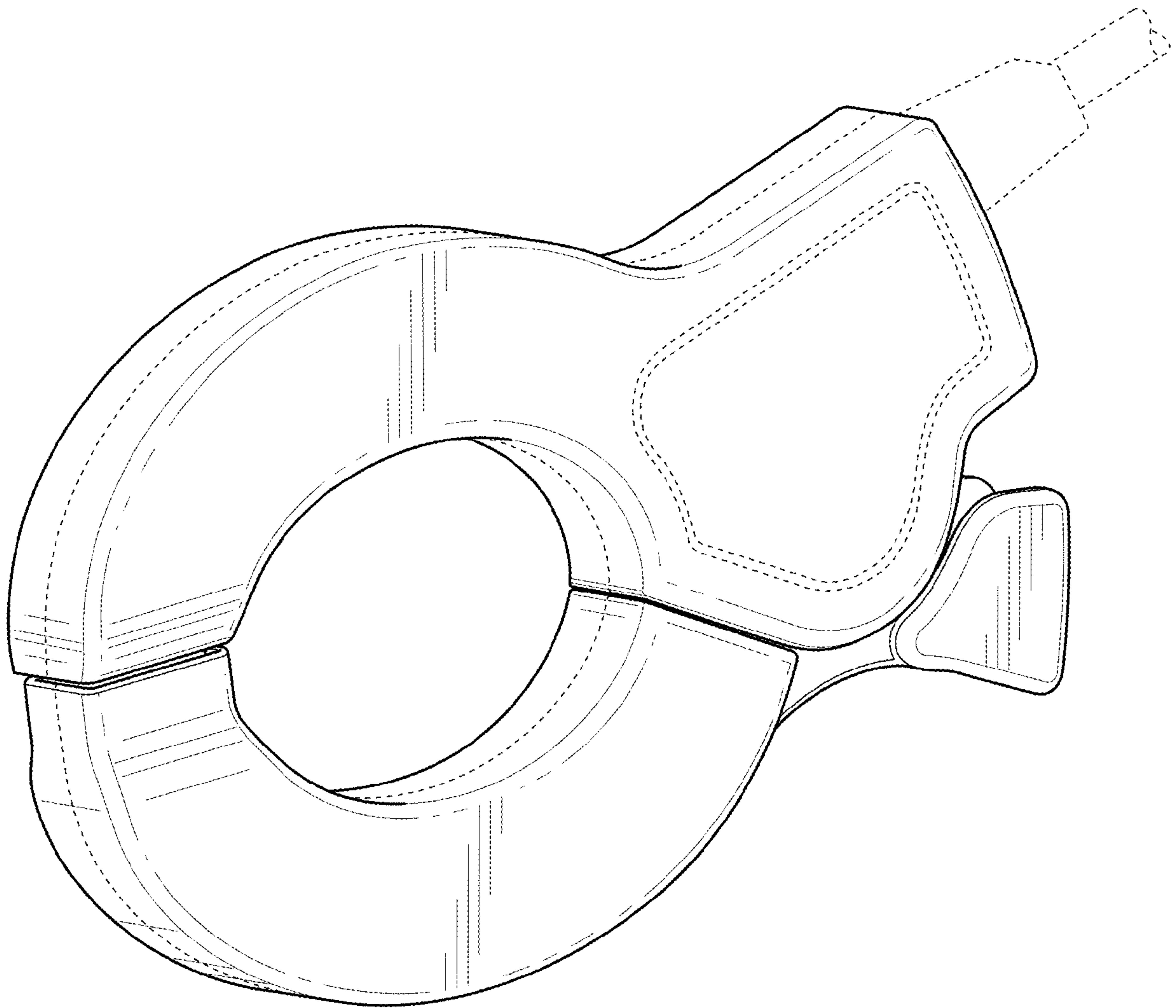
**FIG. 21**



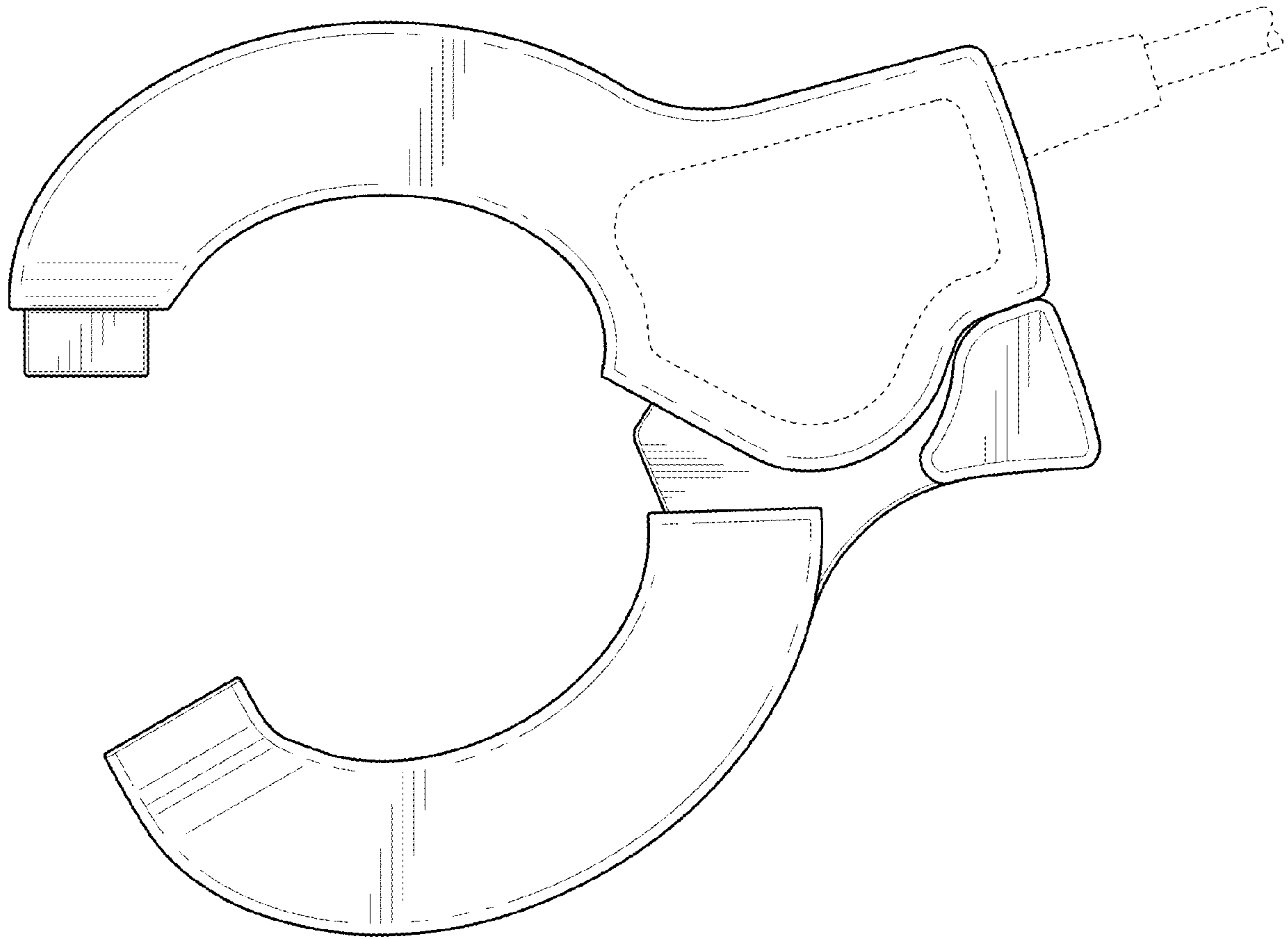
**FIG. 22**



**FIG. 23**



**FIG. 24**



**FIG. 25**

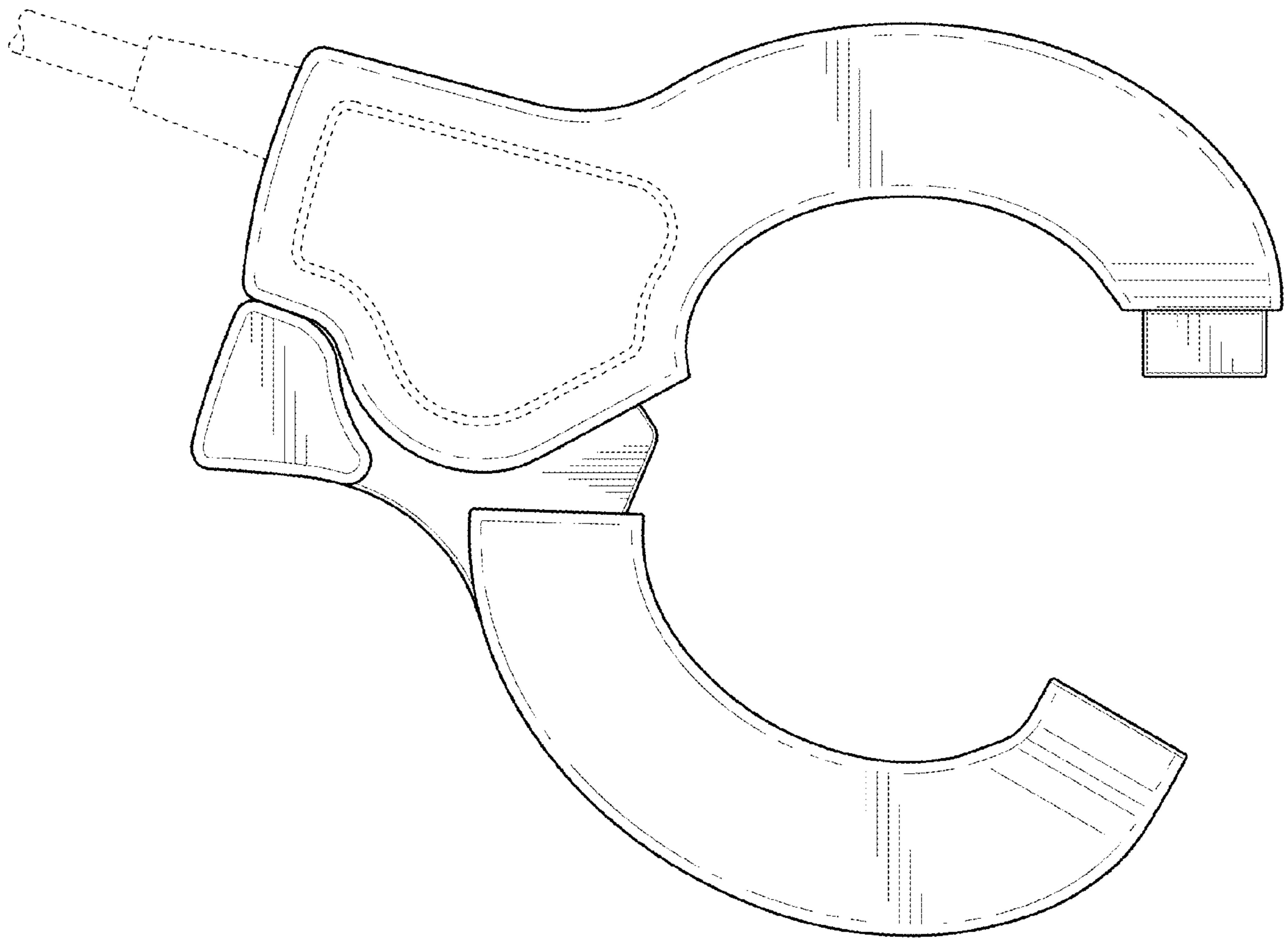


FIG. 26

FIG. 27

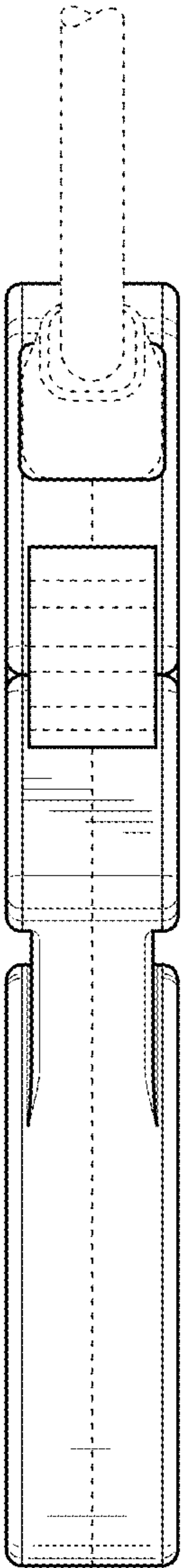
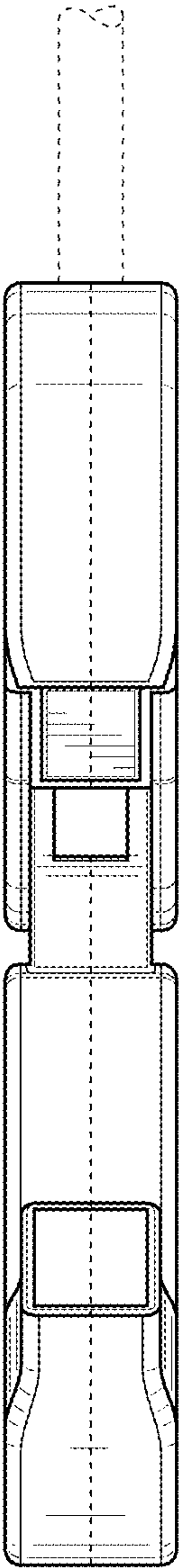
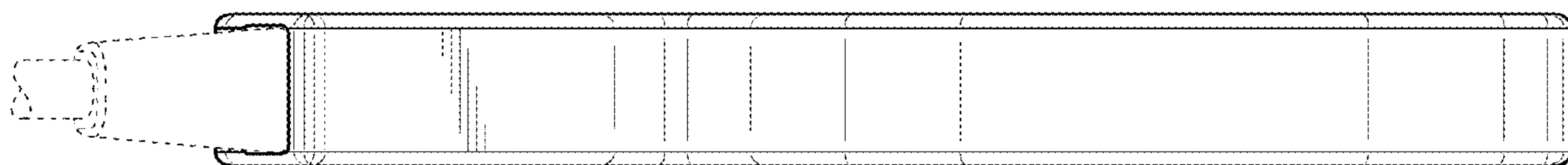
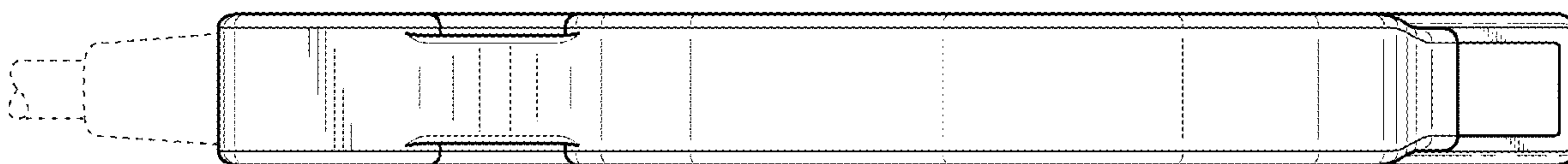


FIG. 28

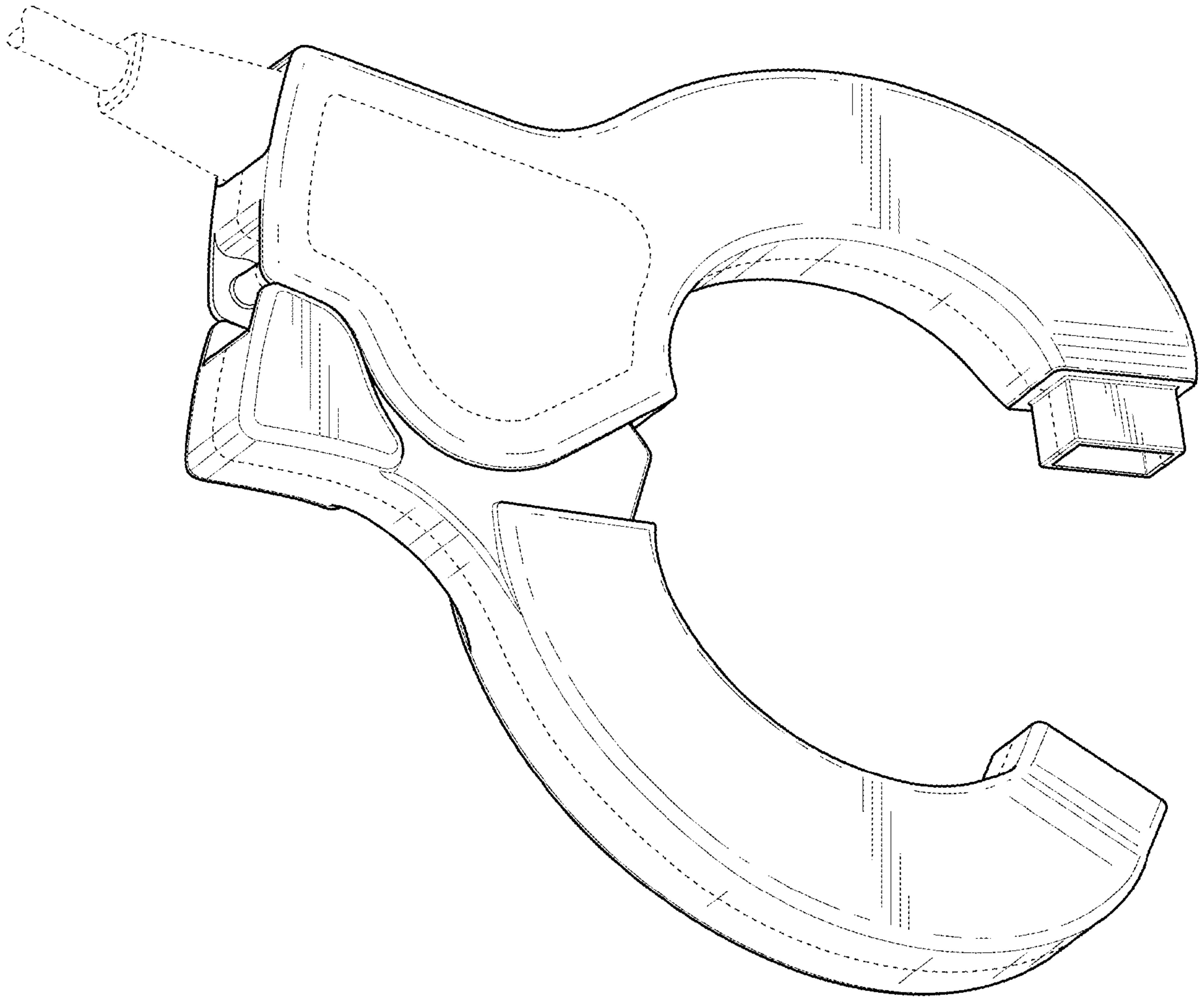




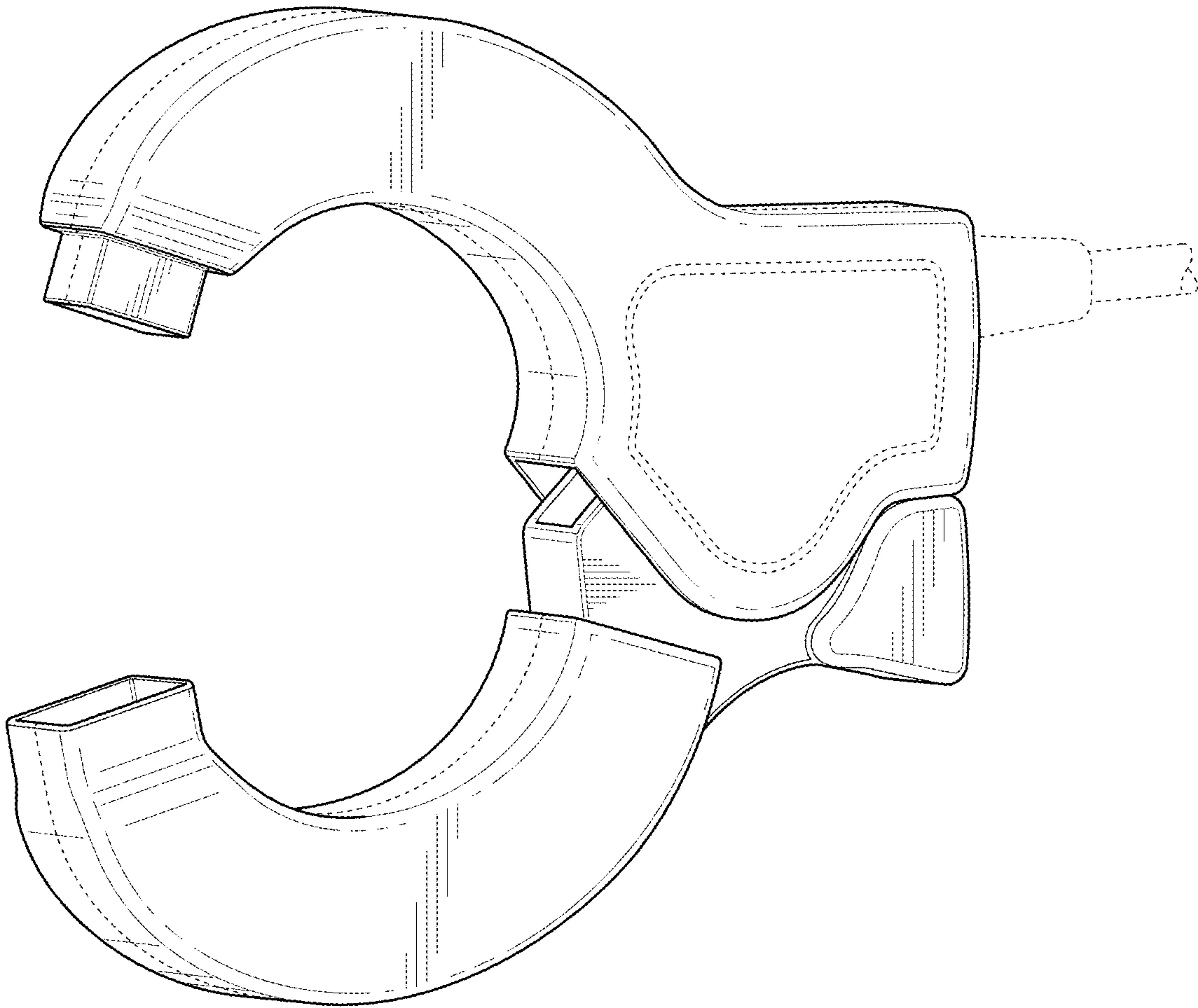
**FIG. 29**



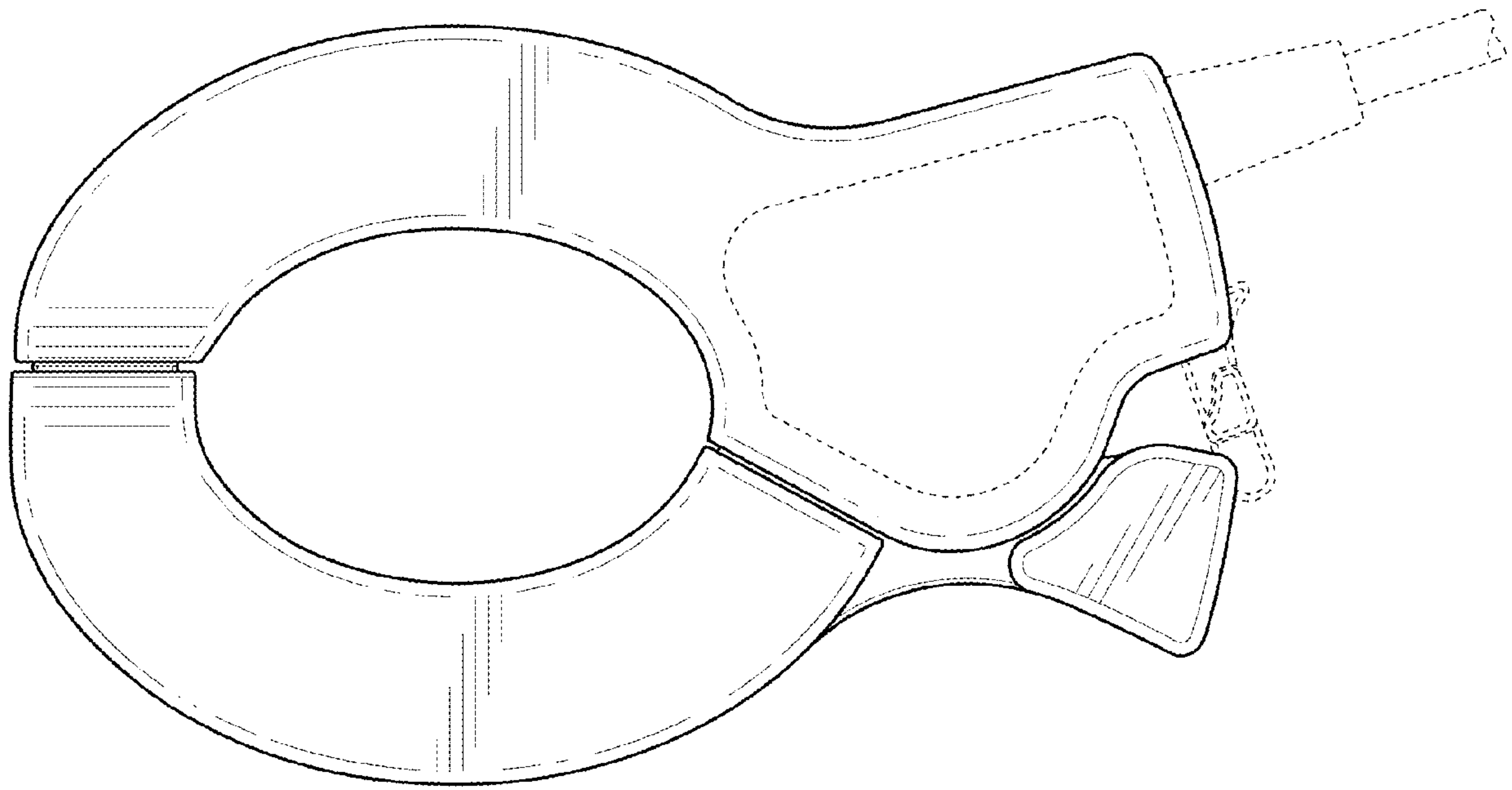
**FIG. 30**



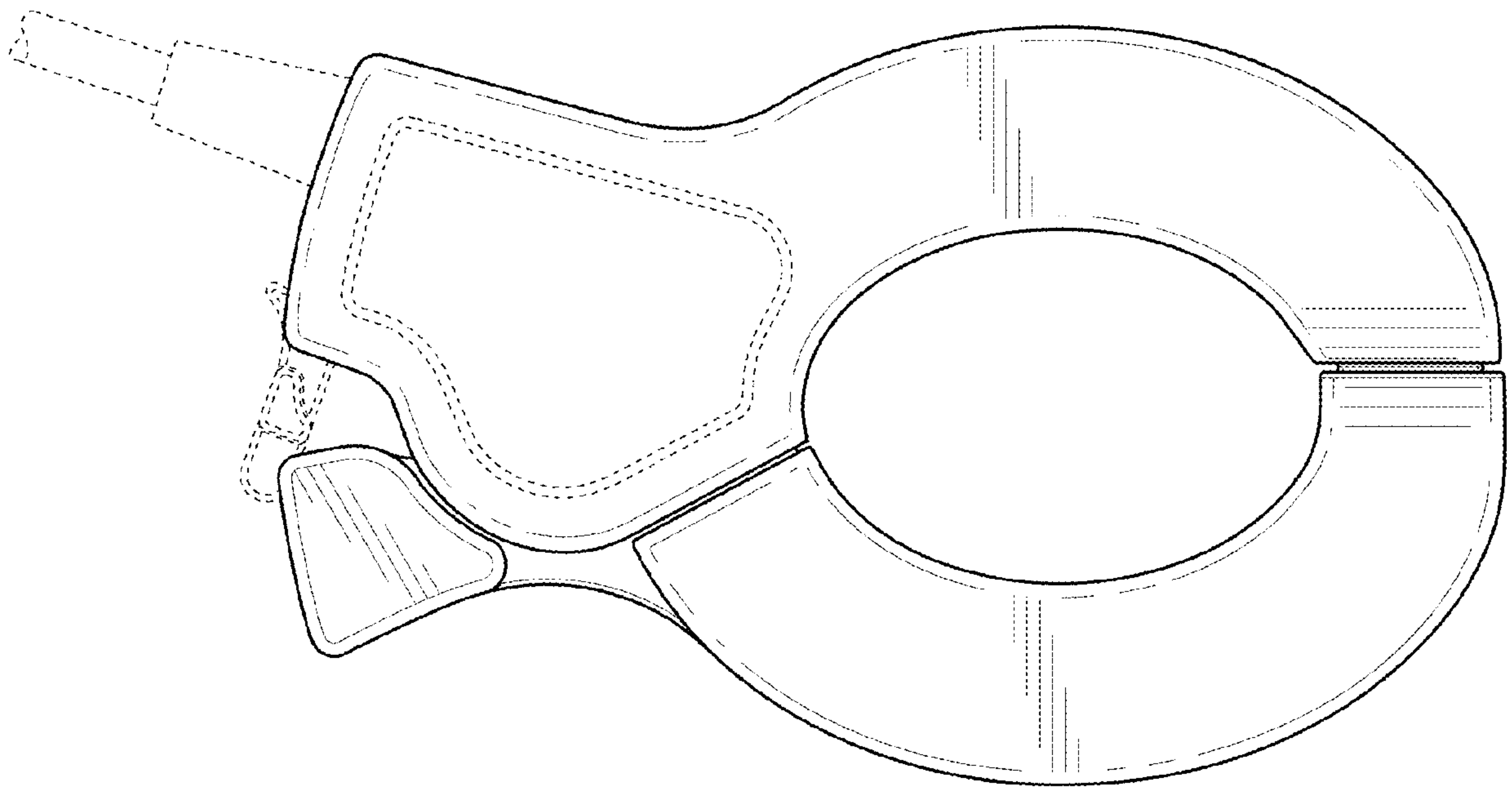
**FIG. 31**



**FIG. 32**



**FIG. 33**



**FIG. 34**

FIG. 35

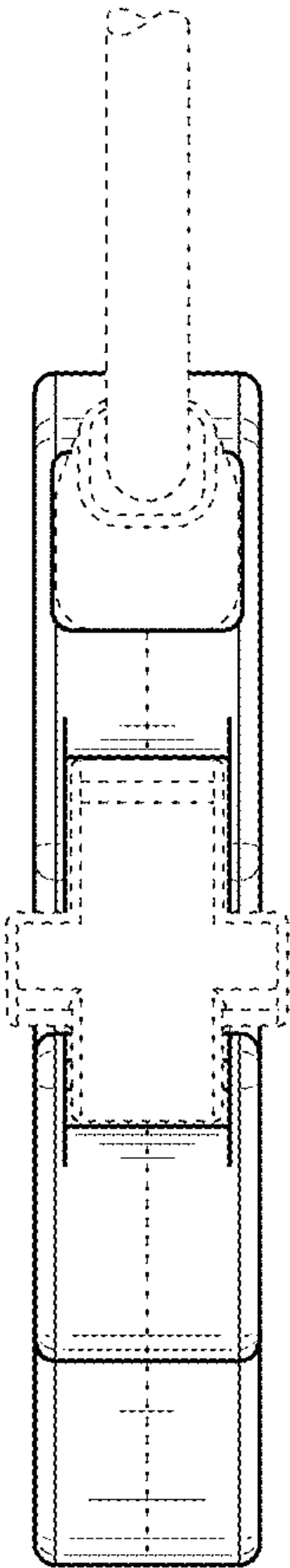
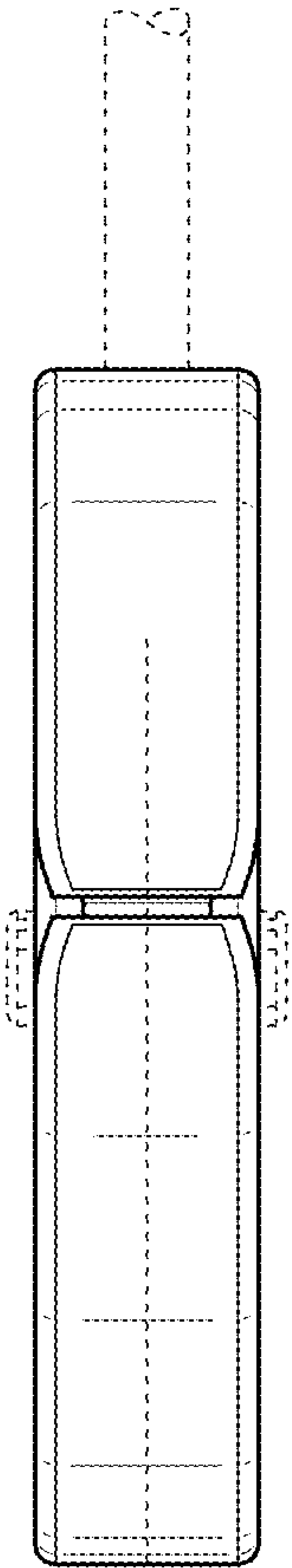
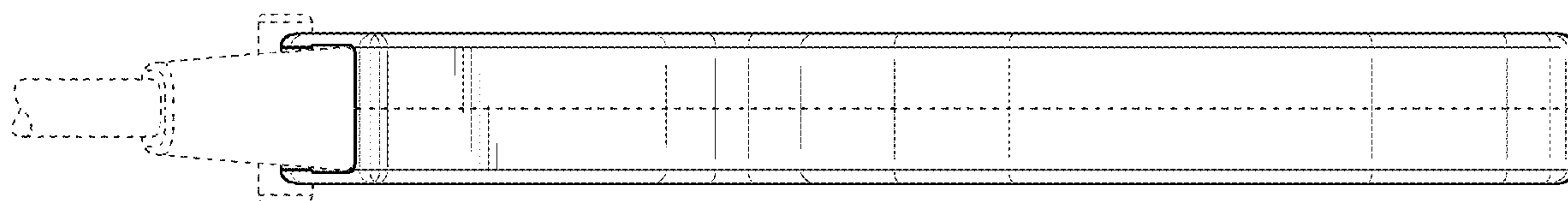
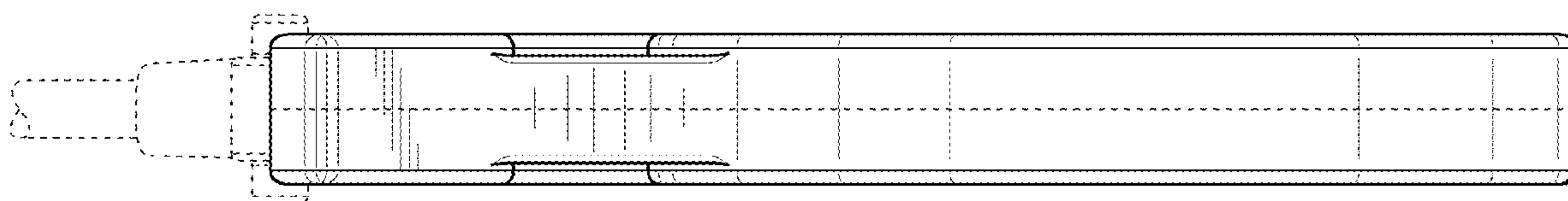


FIG. 36

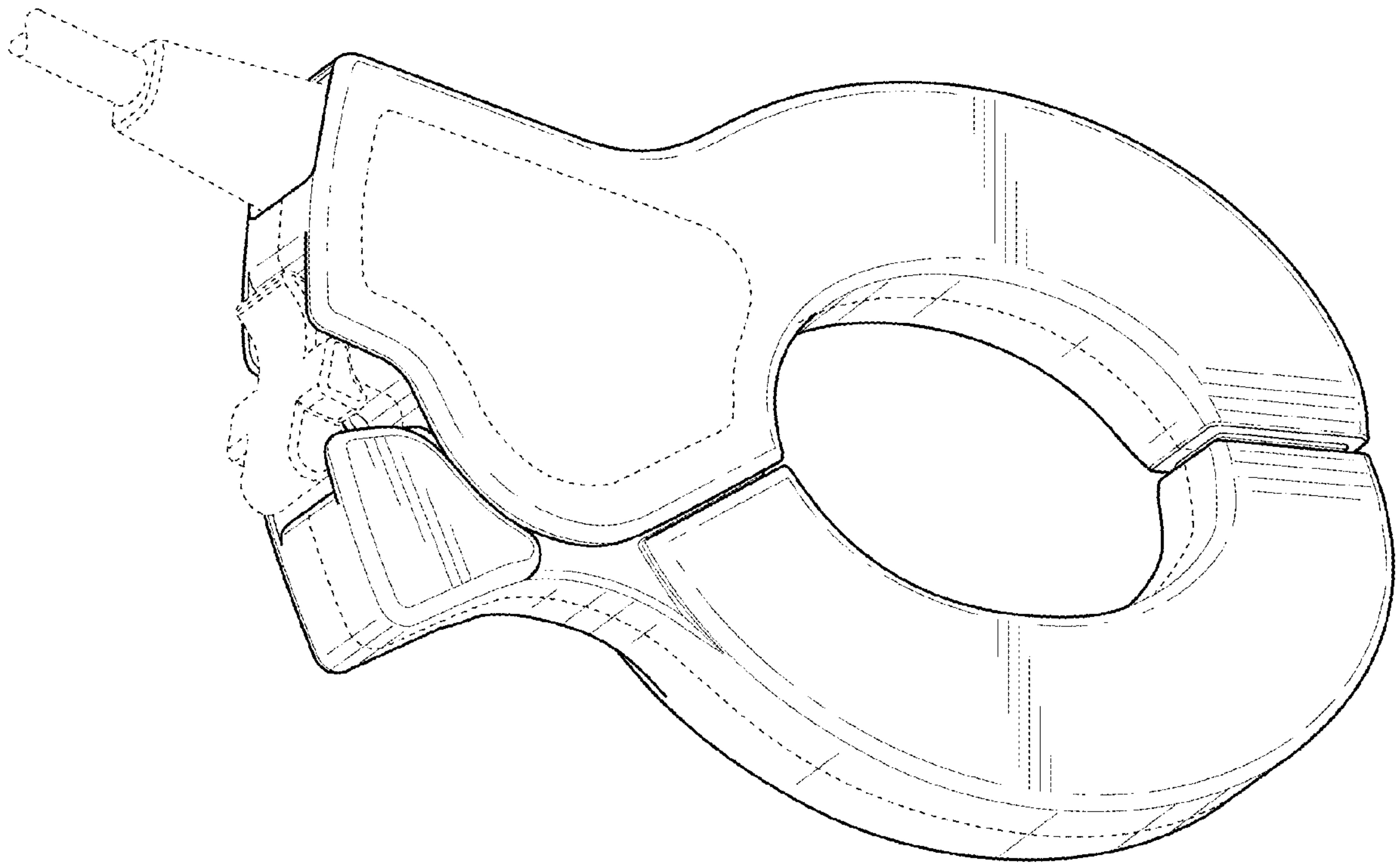




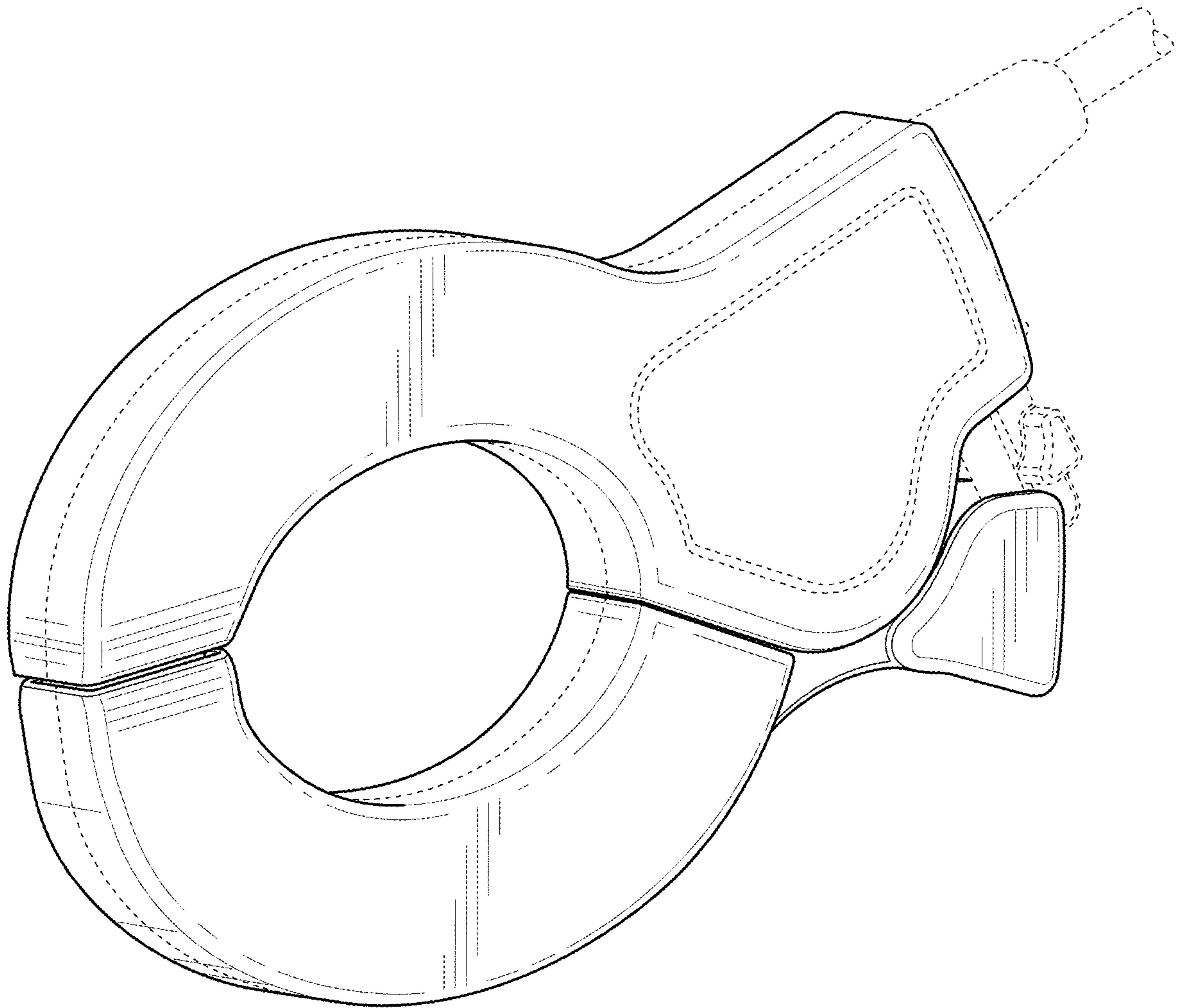
**FIG. 37**



**FIG. 38**



**FIG. 39**



**FIG. 40**

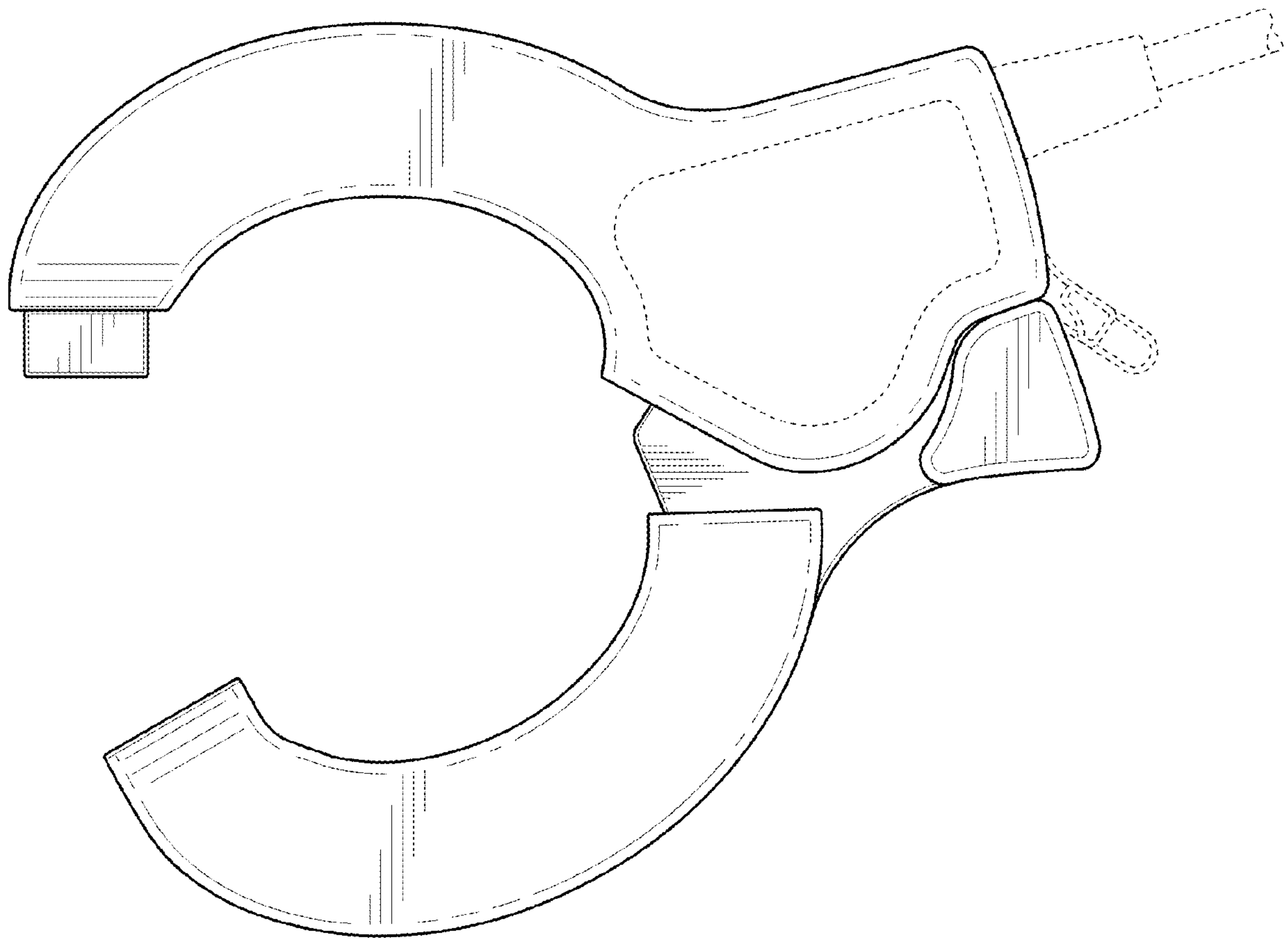
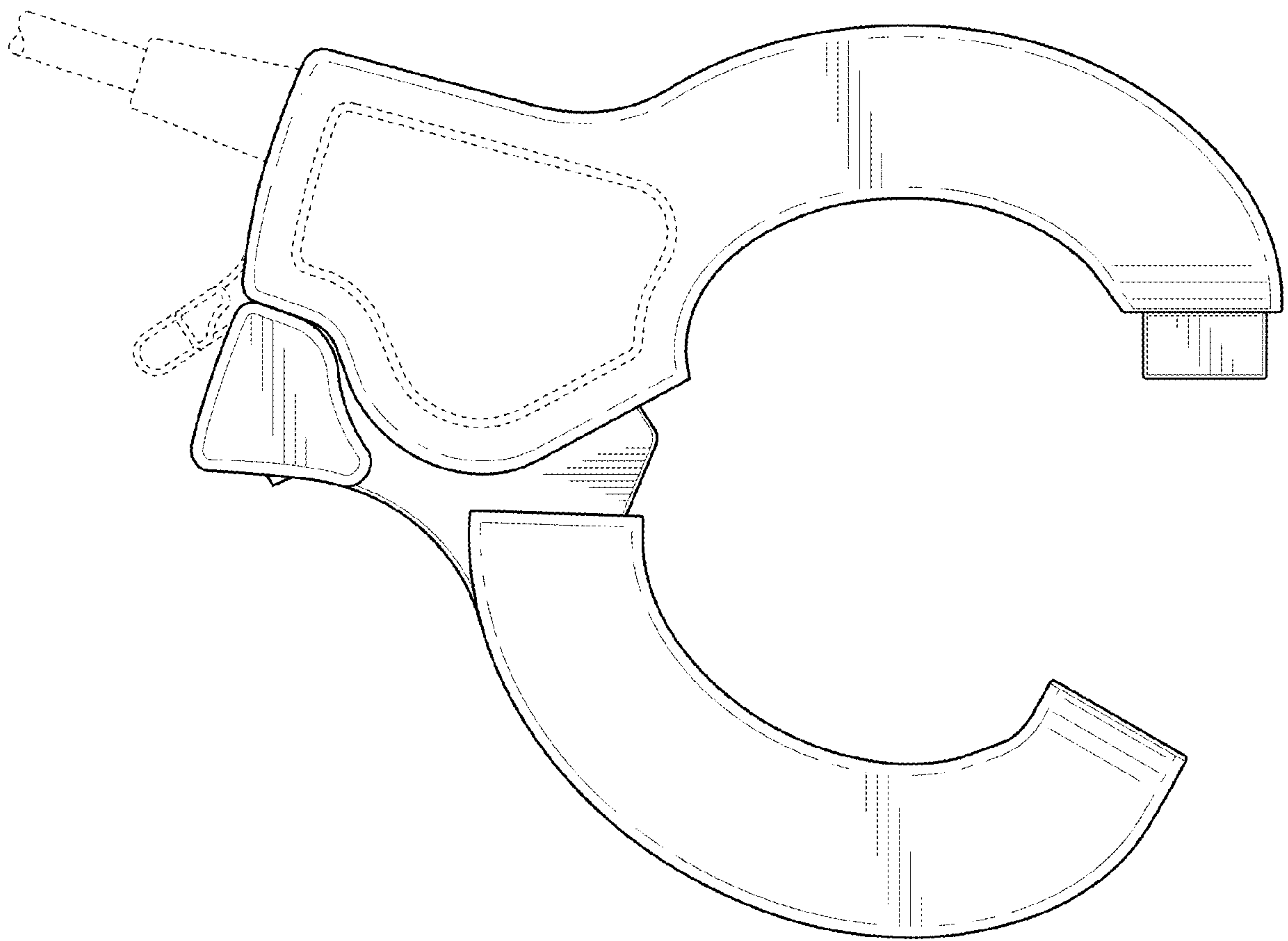


FIG. 41



**FIG. 42**

FIG. 43

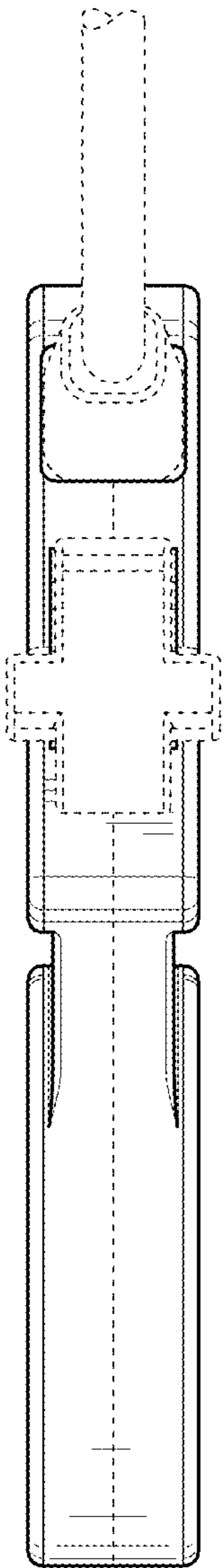
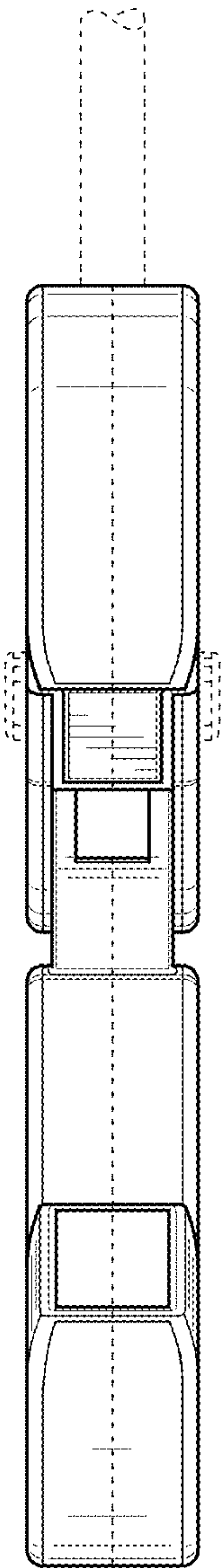


FIG. 44



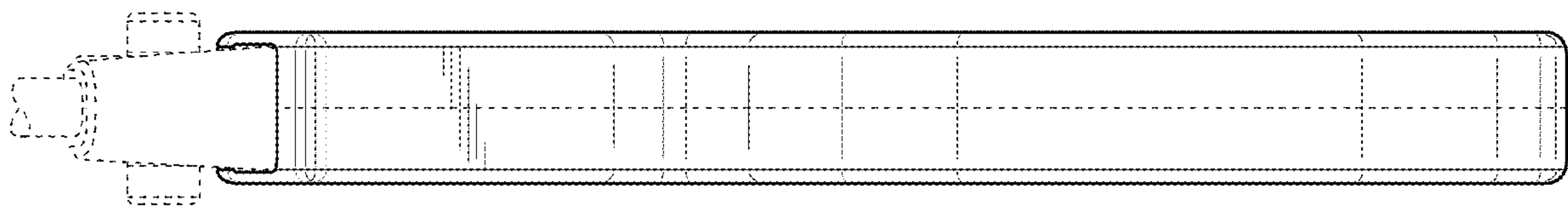


FIG. 45

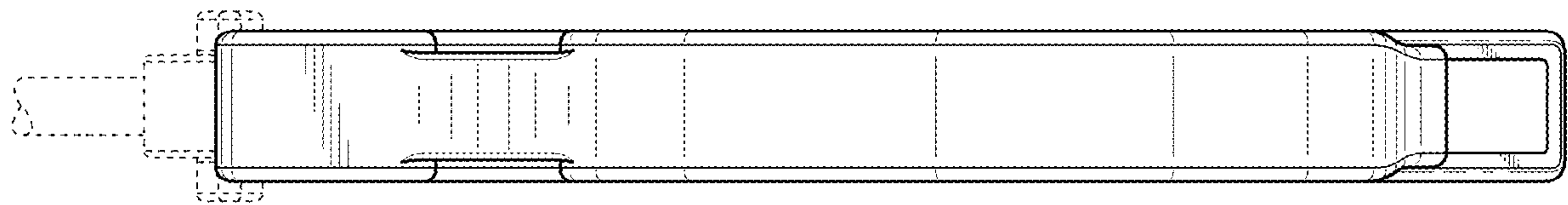
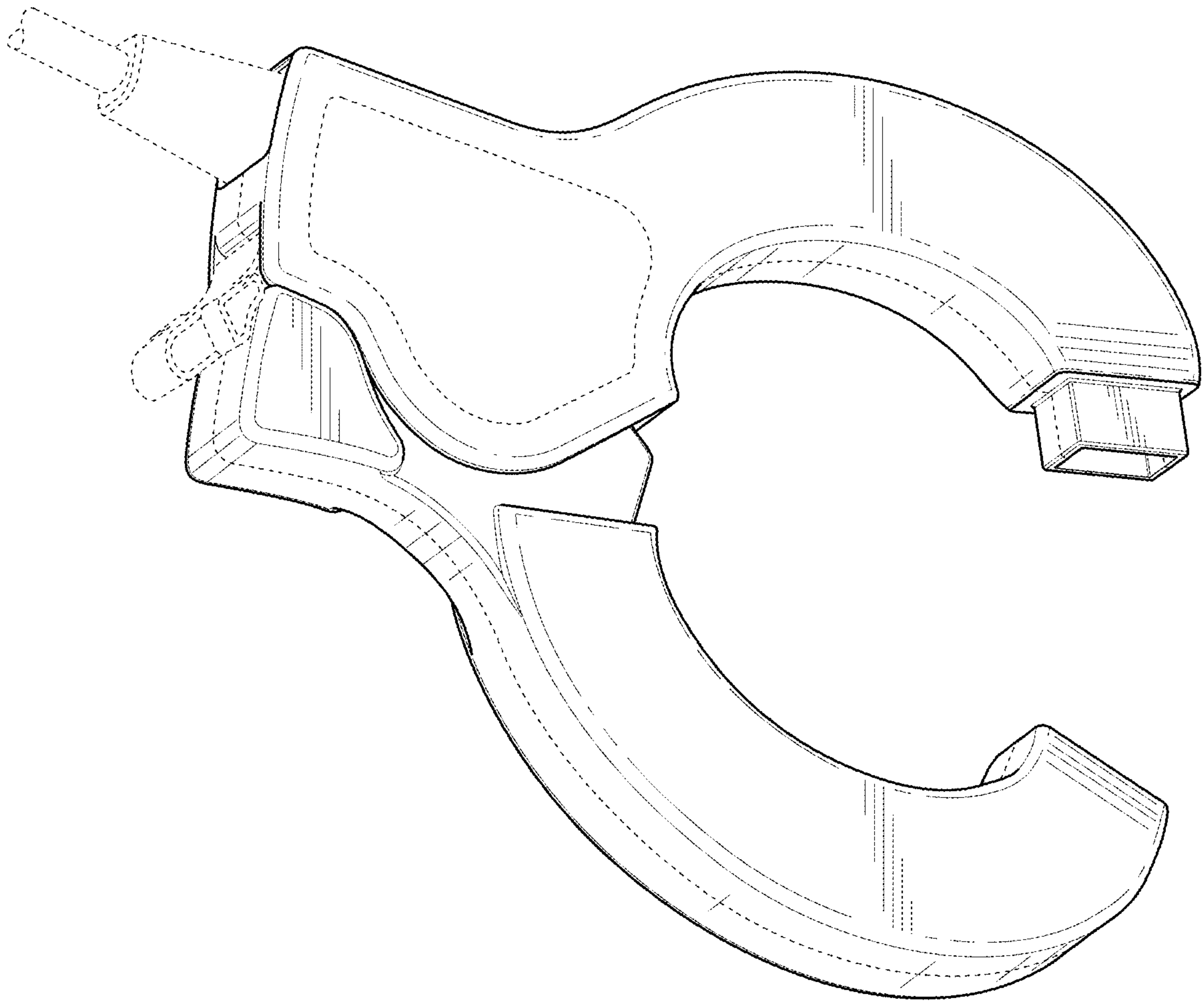
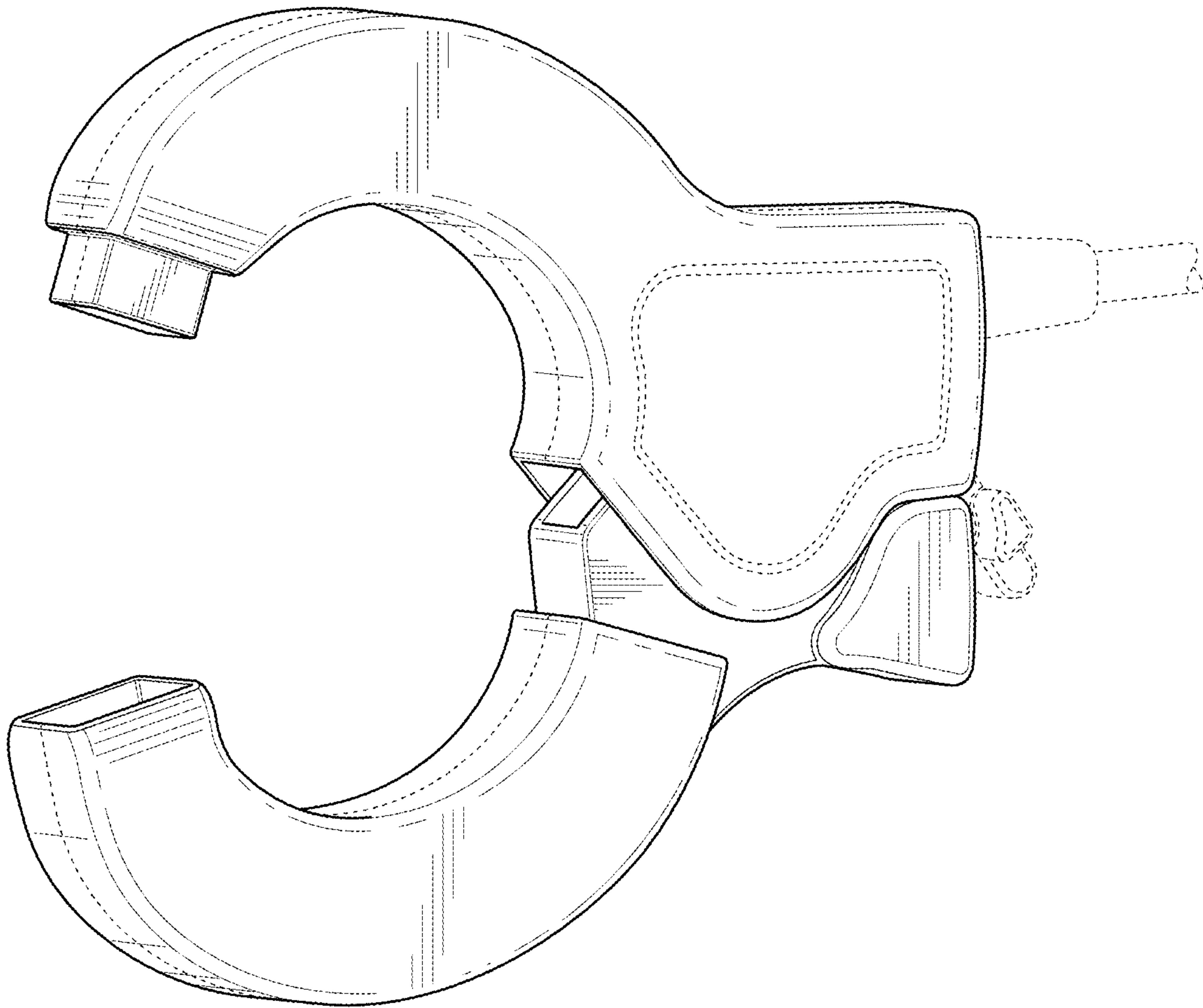


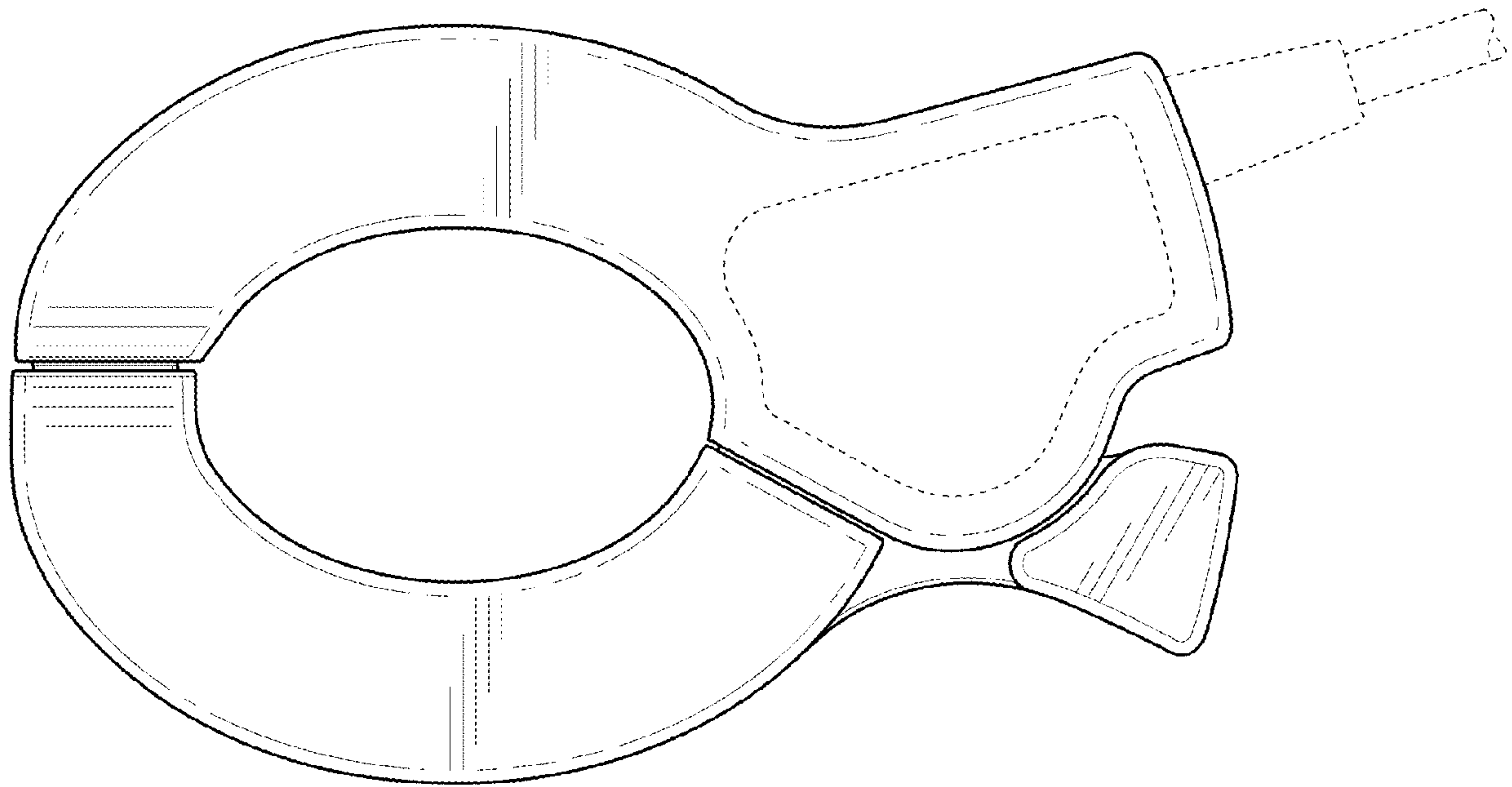
FIG. 46



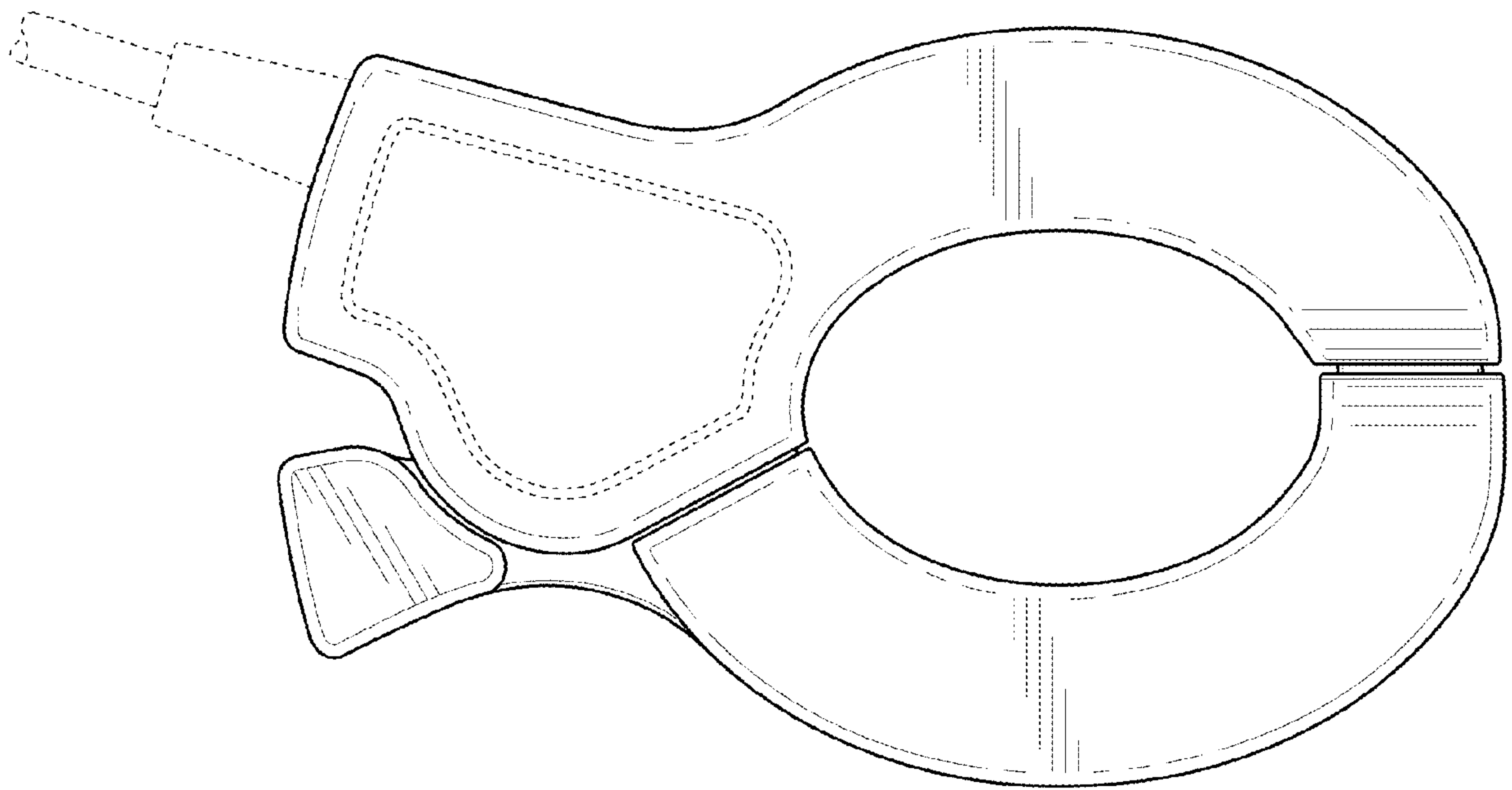
**FIG. 47**



**FIG. 48**



**FIG. 49**



**FIG. 50**

FIG. 51

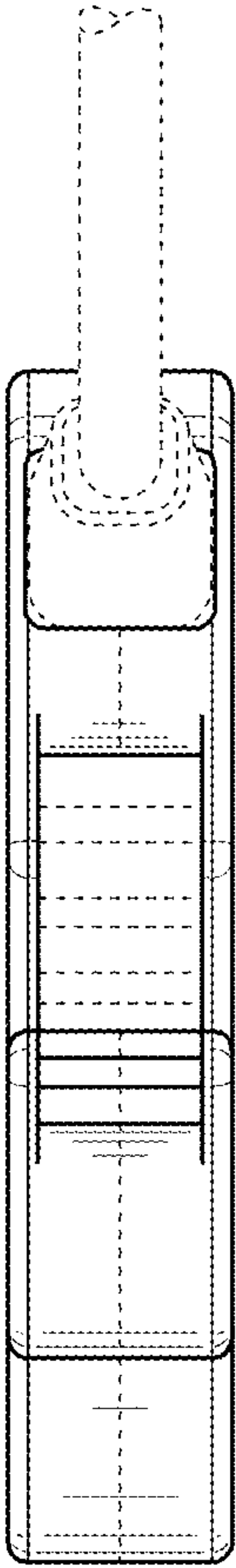
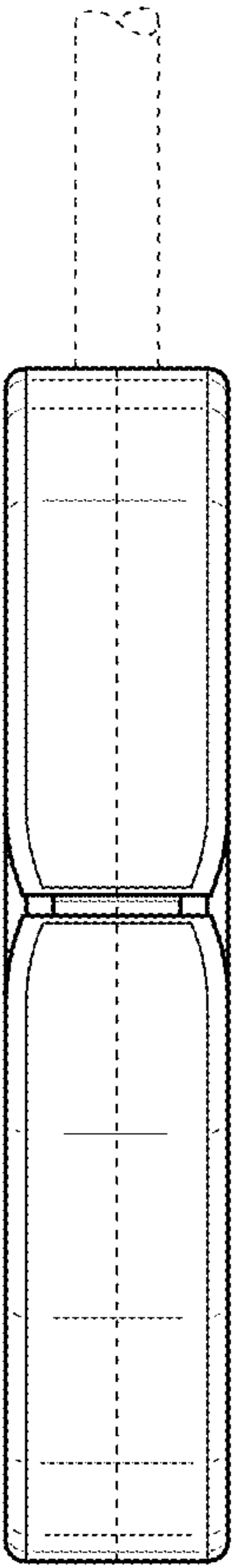
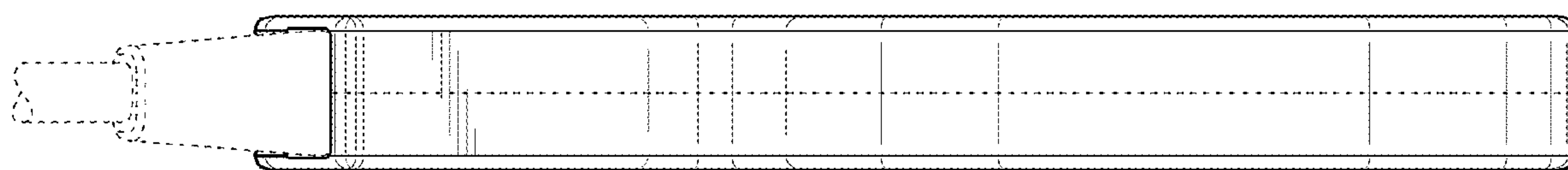
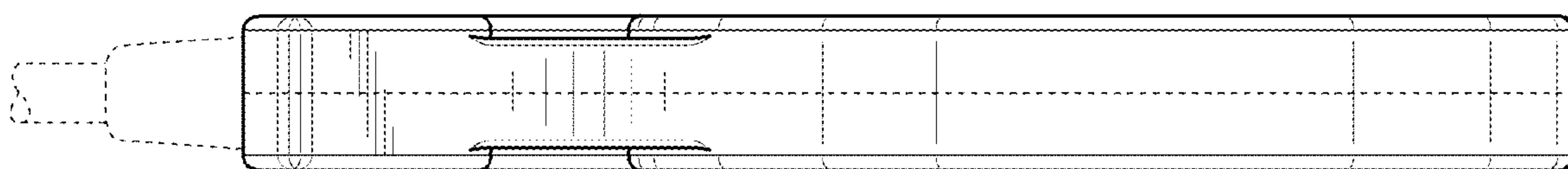


FIG. 52

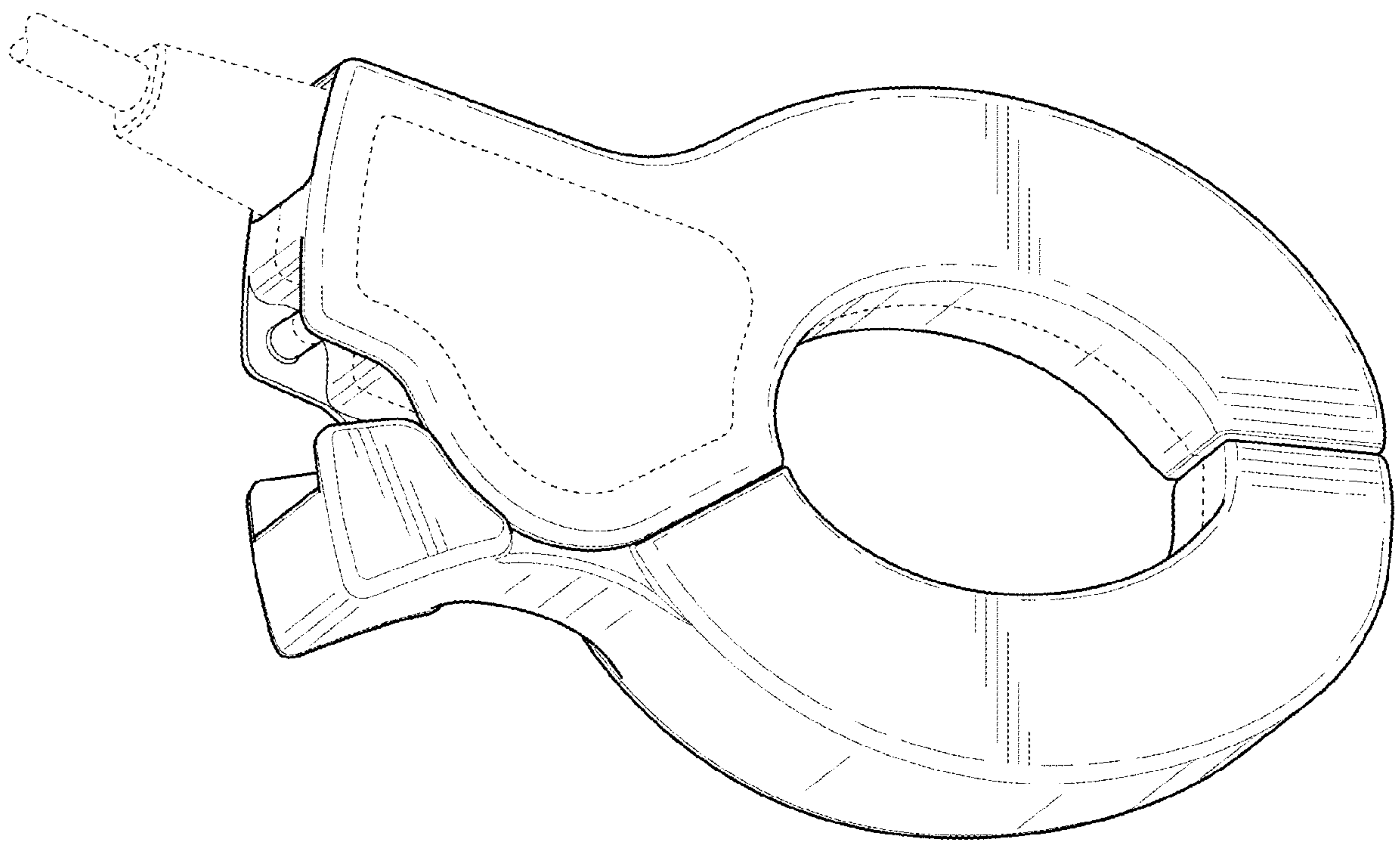




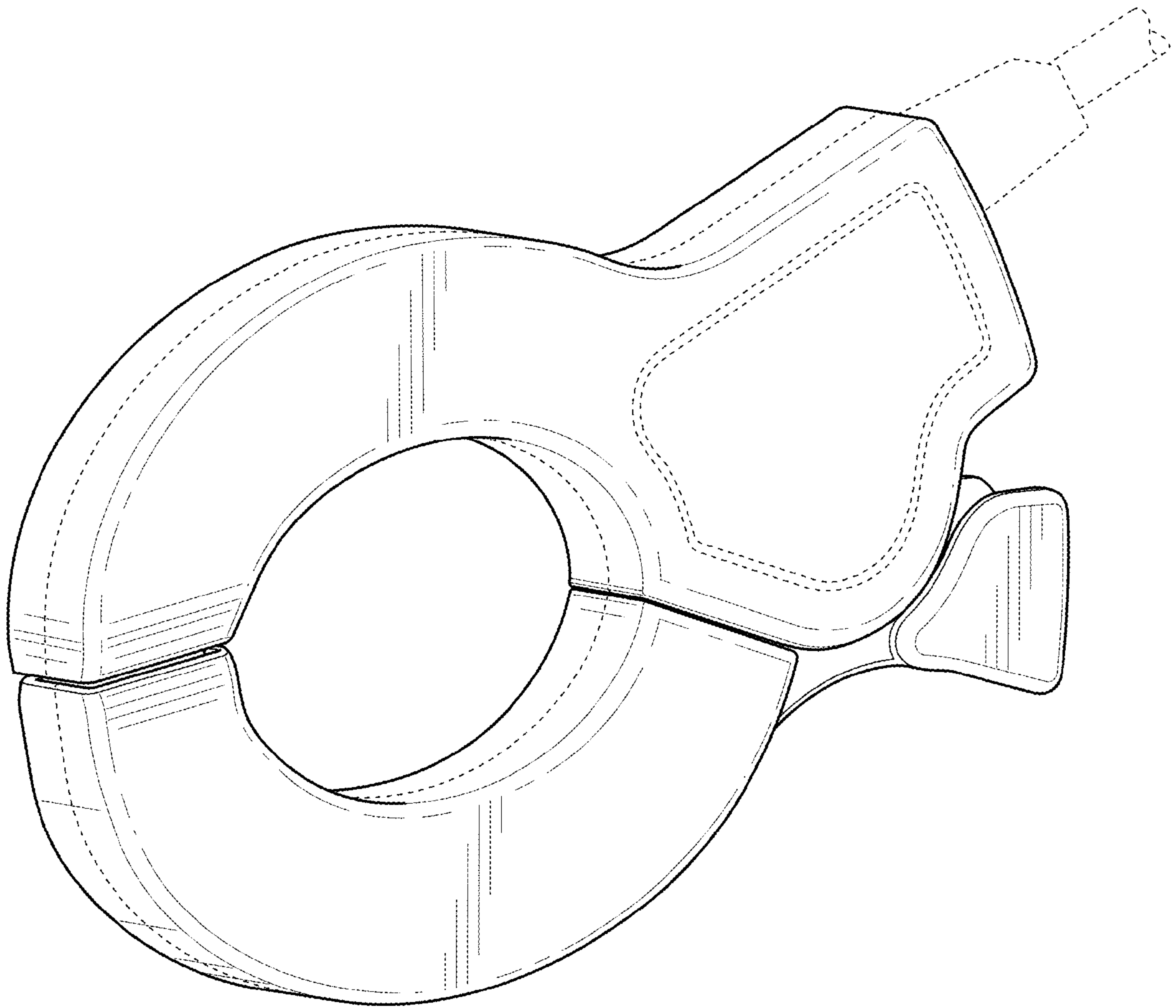
**FIG. 53**



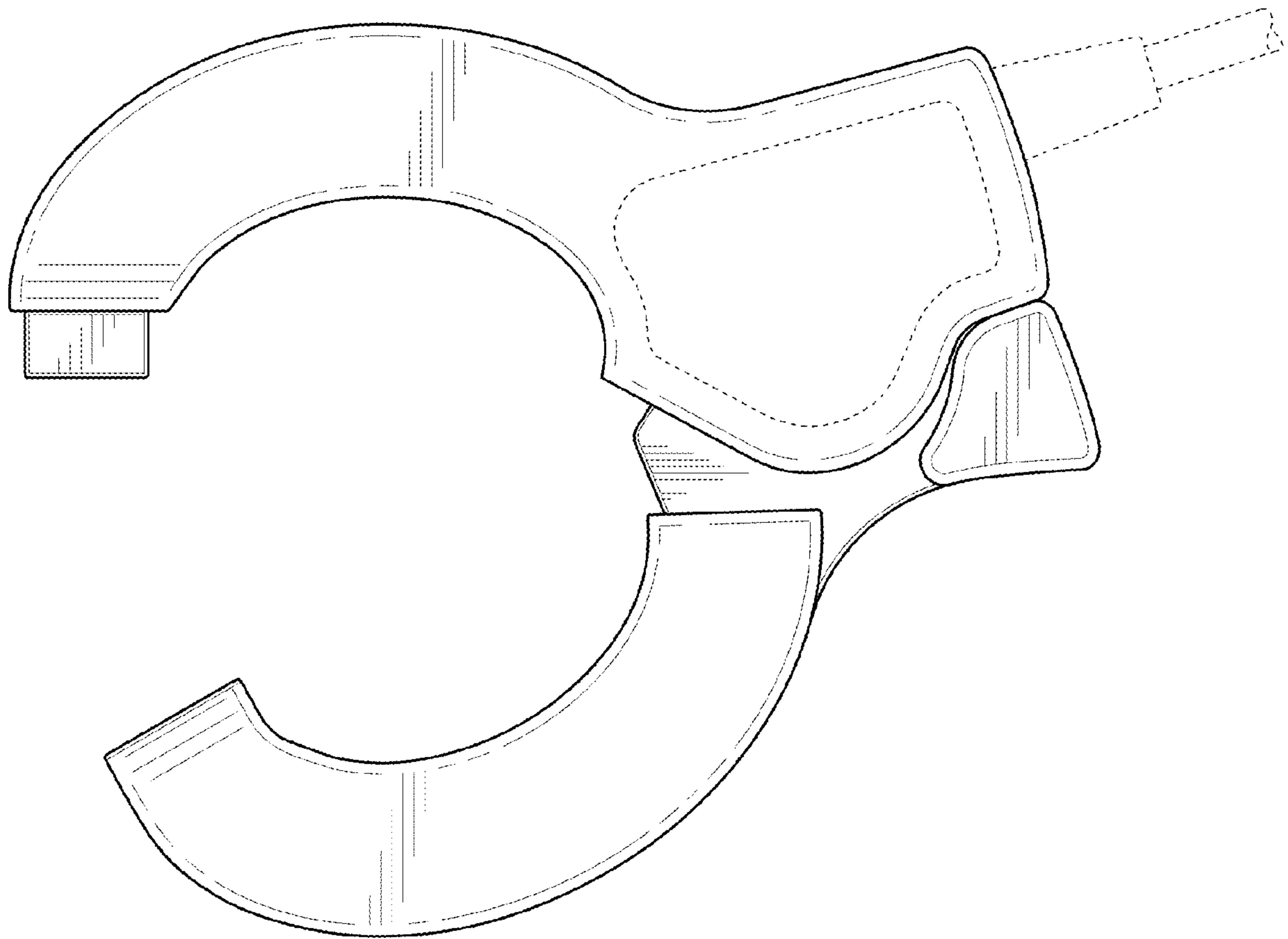
**FIG. 54**



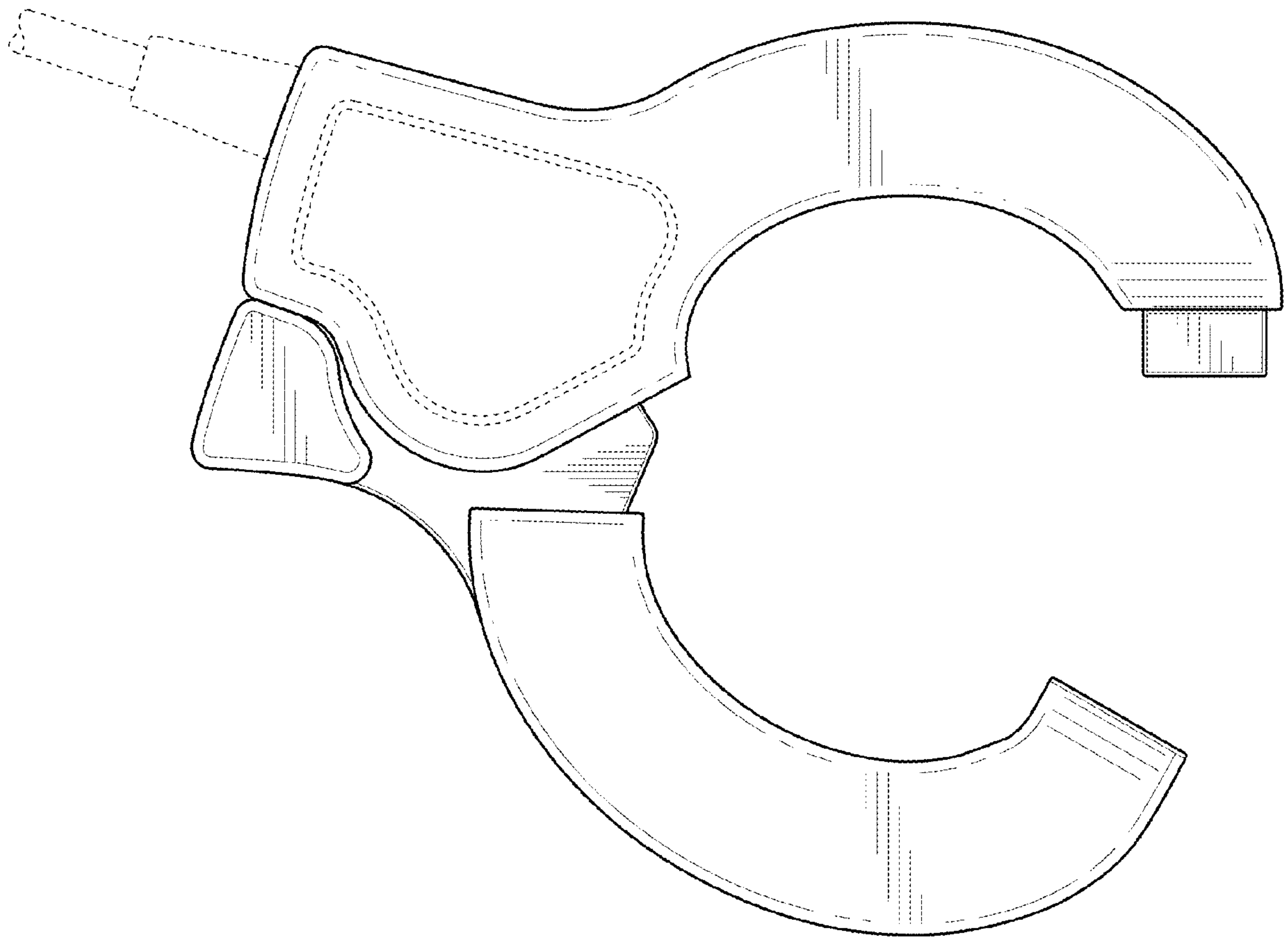
**FIG. 55**



**FIG. 56**



**FIG. 57**



**FIG. 58**

FIG. 59

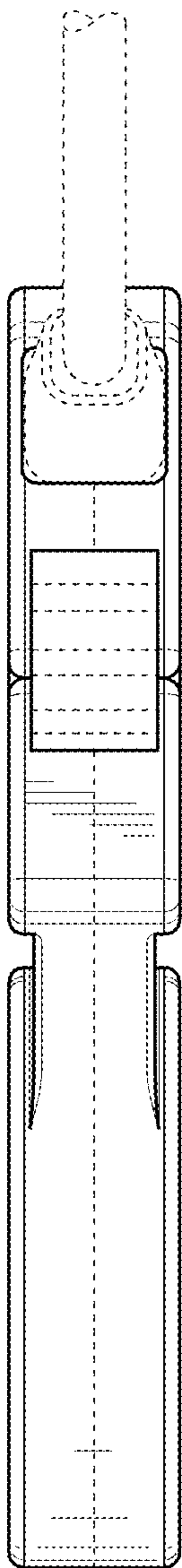
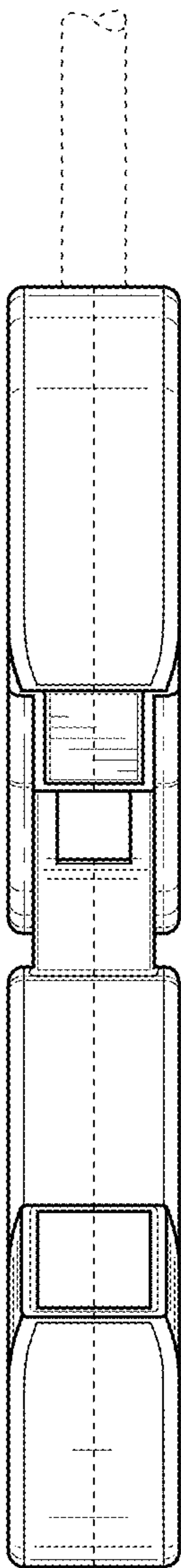
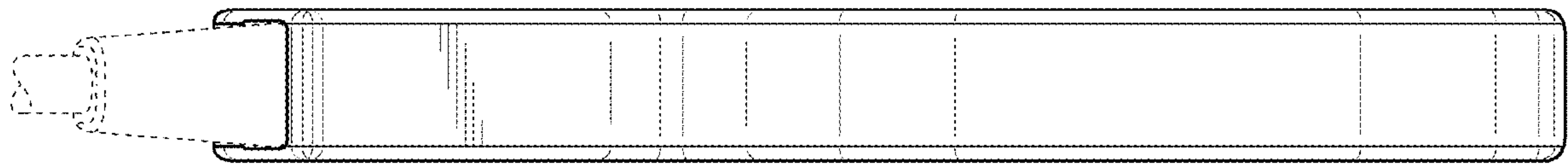
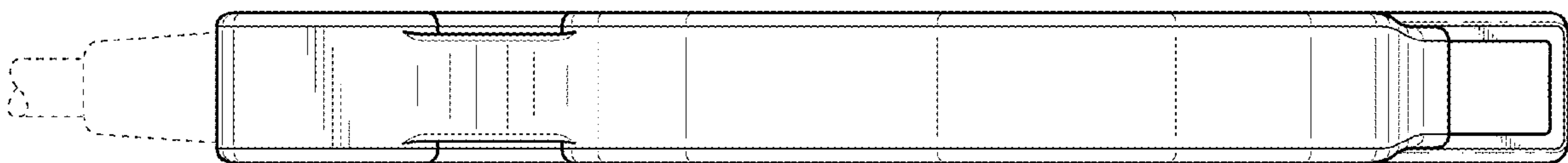


FIG. 60

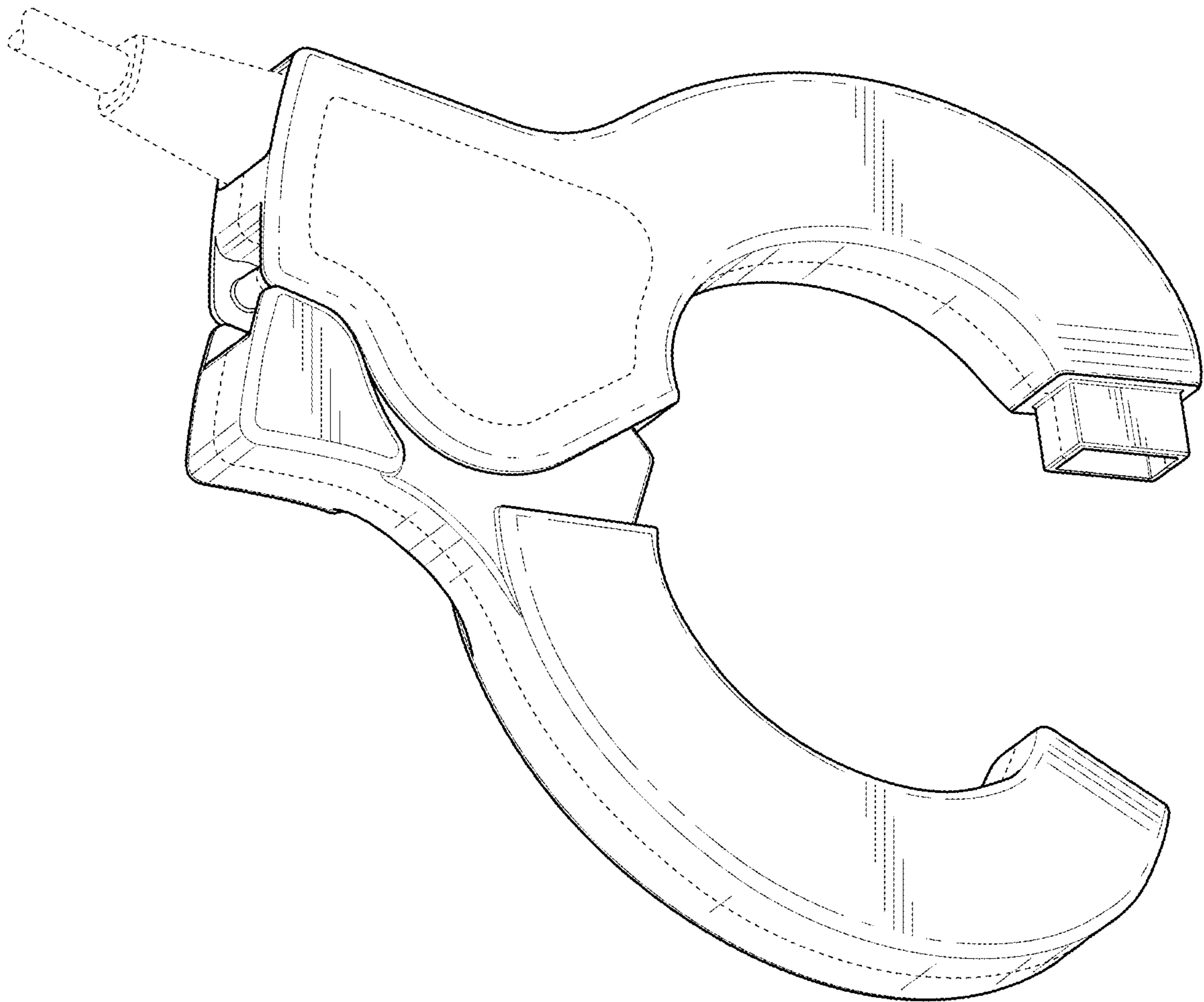




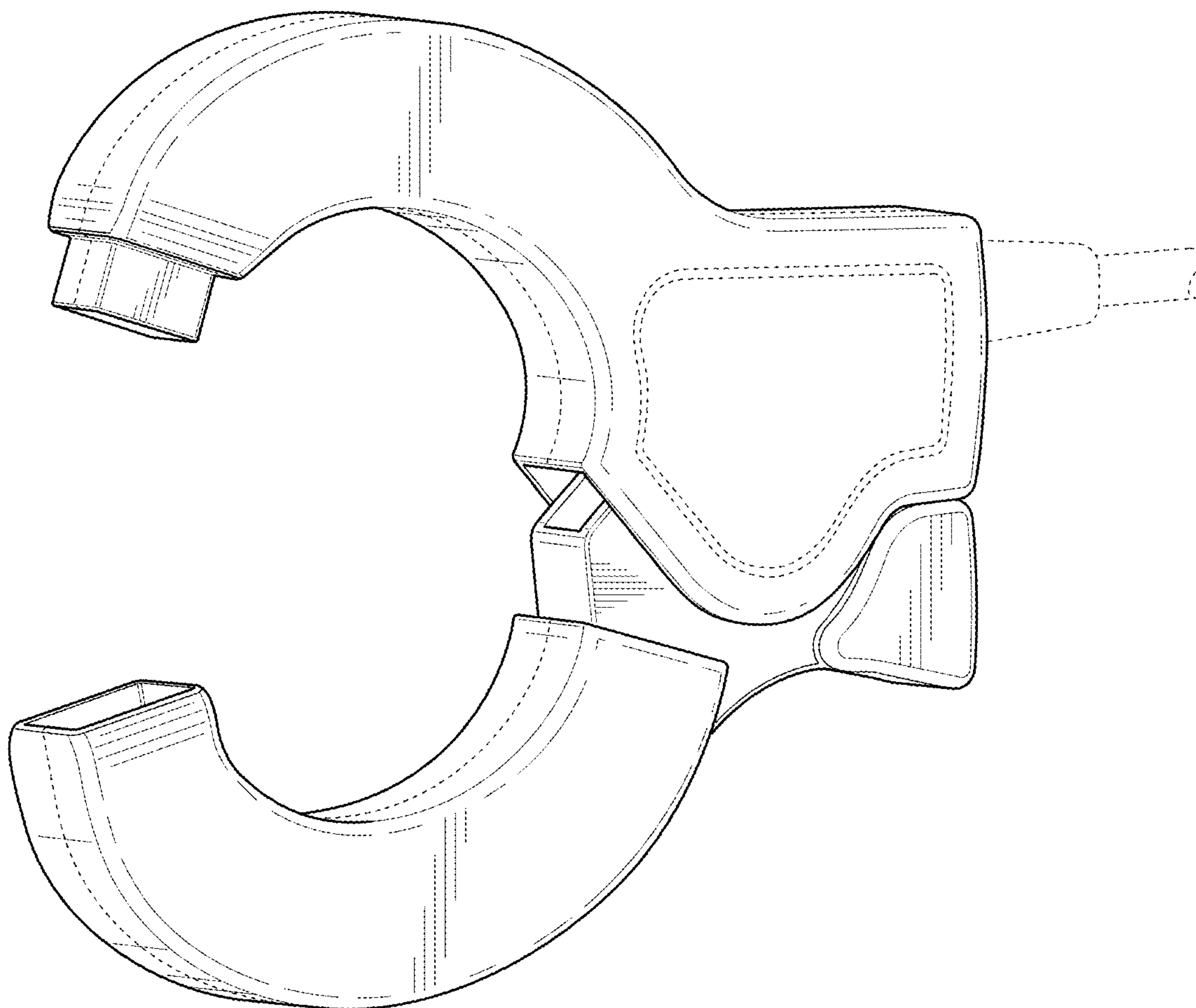
**FIG. 61**



**FIG. 62**



**FIG. 63**



**FIG. 64**