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(12) **United States Design Patent**
Lundgreen et al.

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(54) **TUNED INDUCTION MANIFOLD RUNNERS**

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(73) Assignee: **S&S Cycle, Inc.**, Viola, WI (US)

(**) Term: **14 Years**

(21) Appl. No.: **29/155,082**

(22) Filed: **Jan. 31, 2002**

(51) **LOC (7) Cl.** **15-01**
(52) **U.S. Cl.** **D15/5**
(58) **Field of Search** ..... D15/1–5; 123/198 E, 123/184.34, 184.42, 184.56; 181/227, 228

(56) **References Cited**

U.S. PATENT DOCUMENTS

RE31,877	E		5/1985	Nomura	
D316,418	S	*	4/1991	Benson	D15/5
D321,888	S	*	11/1991	Brotherton	D15/5
5,205,244	A		4/1993	Nakamura et al.	
5,301,767	A		4/1994	Shiohara	
D374,446	S	*	10/1996	Bendell	D15/5
5,560,446	A		10/1996	Onishi	
5,577,570	A		11/1996	Shiohara et al.	
D405,095	S	*	2/1999	Wada	D15/5
5,908,079	A		6/1999	Amino	
D444,479	S	*	7/2001	Pace	D15/5

OTHER PUBLICATIONS

Exhibit A Carb Accessories, Rivera Engineering 2002 Product Catalog, www.riveraengineering.com, pp. 168171 (date unknown).

Exhibit B Carb Kit, Rivera Engineering 2002 Product Catalog, www.riveraengineering.com, pp. 185–187, (date unknown).

* cited by examiner

Primary Examiner—Melody M. Brown
(74) *Attorney, Agent, or Firm*—Merchant & Gould P.C.

(57) **CLAIM**

The ornamental design for a tuned induction manifold runners, as shown and described.

DESCRIPTION

FIG. **1** is a front perspective view of an induction system having a first embodiment of tuned induction manifold runners according to the principles of the present invention, and illustrating a manifold and fuel injection system shown in phantom.

FIG. **2** is a front elevational view of the tuned induction manifold runners shown in FIG. **1**.

FIG. **3** is a rear elevational view of the tuned induction manifold runners shown in FIG. **1**.

FIG. **4** is a left side elevational view of the tuned induction manifold runners shown in FIG. **1**.

FIG. **5** is a right side elevational view of the tuned induction manifold runners shown in FIG. **1**.

FIG. **6** is a top plan view of the tuned induction manifold runners shown in FIG. **1**.

FIG. **7** is a bottom plan view of the tuned induction manifold runners shown in FIG. **1**.

FIG. **8** is a front perspective view of a second embodiment showing a tuned induction manifold runner according to the principles of the present invention.

FIG. **9** is a front elevational view of the tuned induction manifold runner shown in FIG. **8**.

FIG. **10** is a rear elevational view of the tuned induction manifold runner shown in FIG. **8**.

FIG. **11** is a left side elevational view of the tuned induction manifold runner shown in FIG. **8**.

FIG. **12** is a right side elevational view of the tuned induction manifold runner shown in FIG. **8**.

FIG. **13** is a top plan view of the tuned induction manifold runner shown in FIG. **8**.

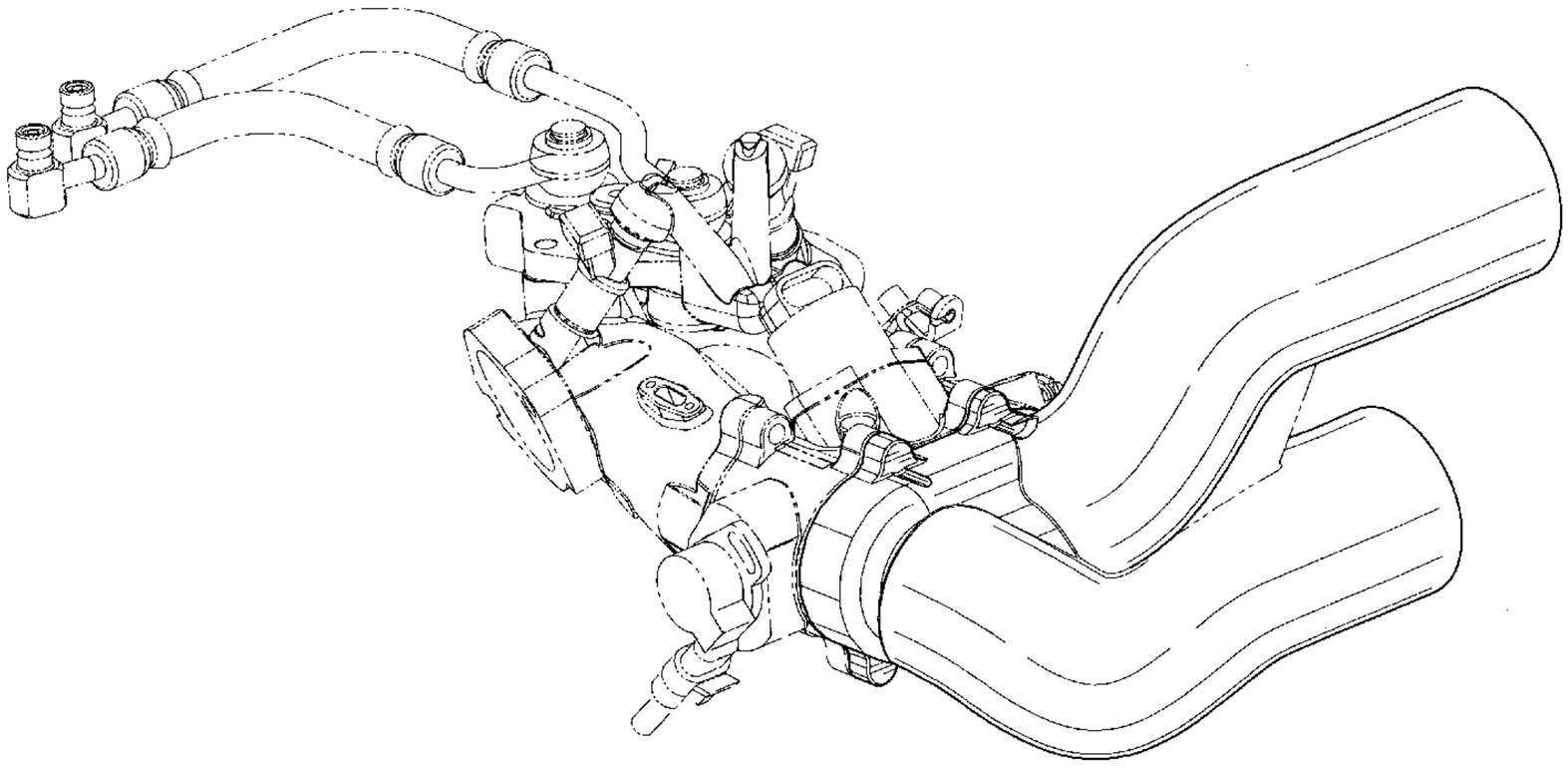


FIG. **14** is a bottom plan view of the tuned induction manifold runner shown in FIG. **8**.

FIG. **15** is a front perspective view of a third embodiment showing a tuned induction manifold runner according to the principles of the prevent invention.

FIG. **16** is a front elevational view of the tuned induction manifold runner shown in FIG. **15**.

FIG. **17** is a rear elevational view of the tuned induction manifold runner shown in FIG. **15**.

FIG. **18** is a left side elevational view of the tuned induction manifold runner shown in FIG. **15**.

FIG. **19** is a right side elevational view of the tuned induction manifold runner shown in FIG. **15**.

FIG. **20** is a top plan view of the tuned induction manifold runner shown in FIG. **15**; and,

FIG. **21** is a bottom plan view of the tuned induction manifold runner shown in FIG. **15**.

The present application is directed to the design illustrated in the drawings. The environmental features shown in broken lines are for illustrative purposes only and form no part of the claimed design.

1 Claim, 11 Drawing Sheets

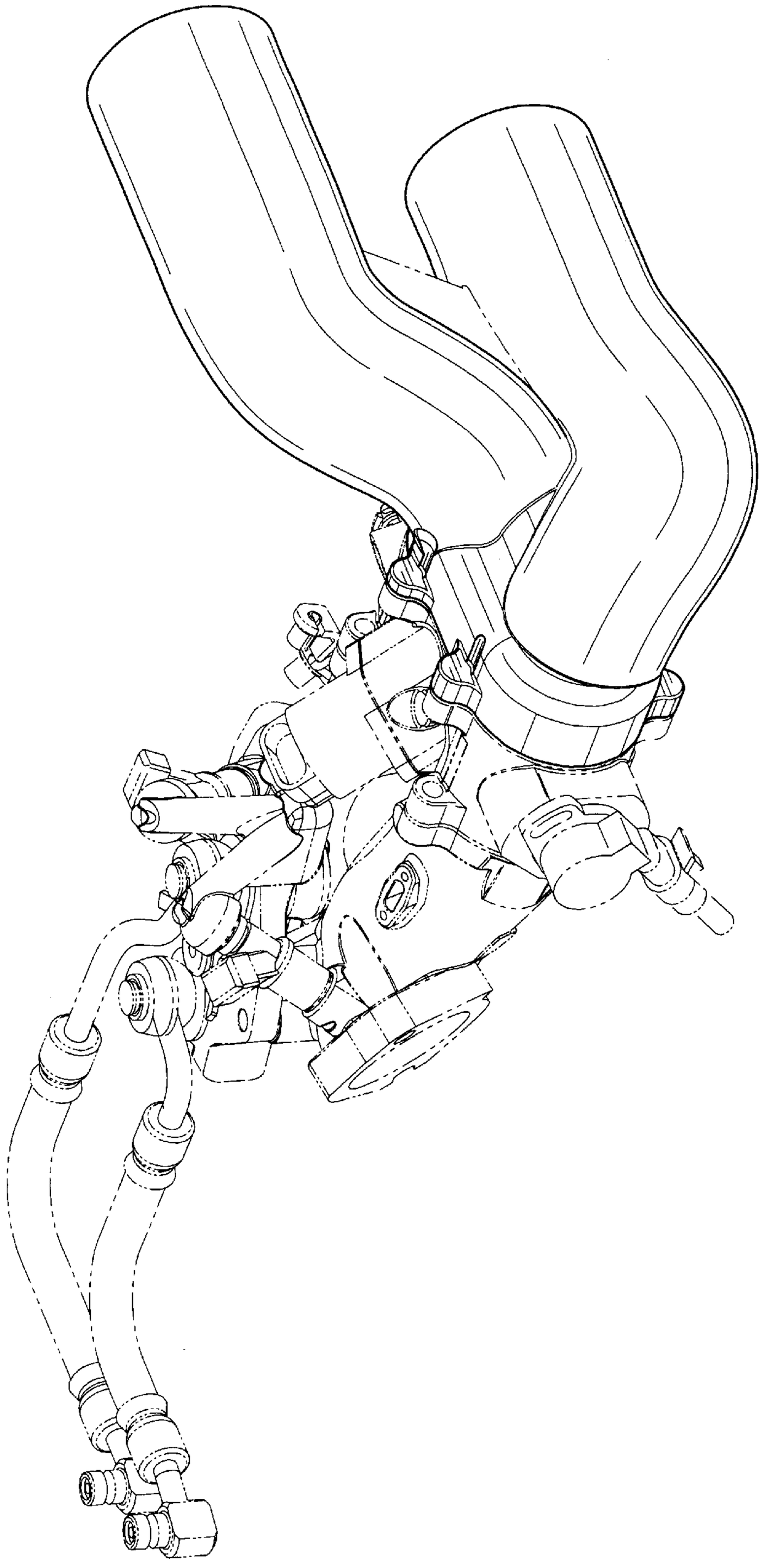


FIG.1

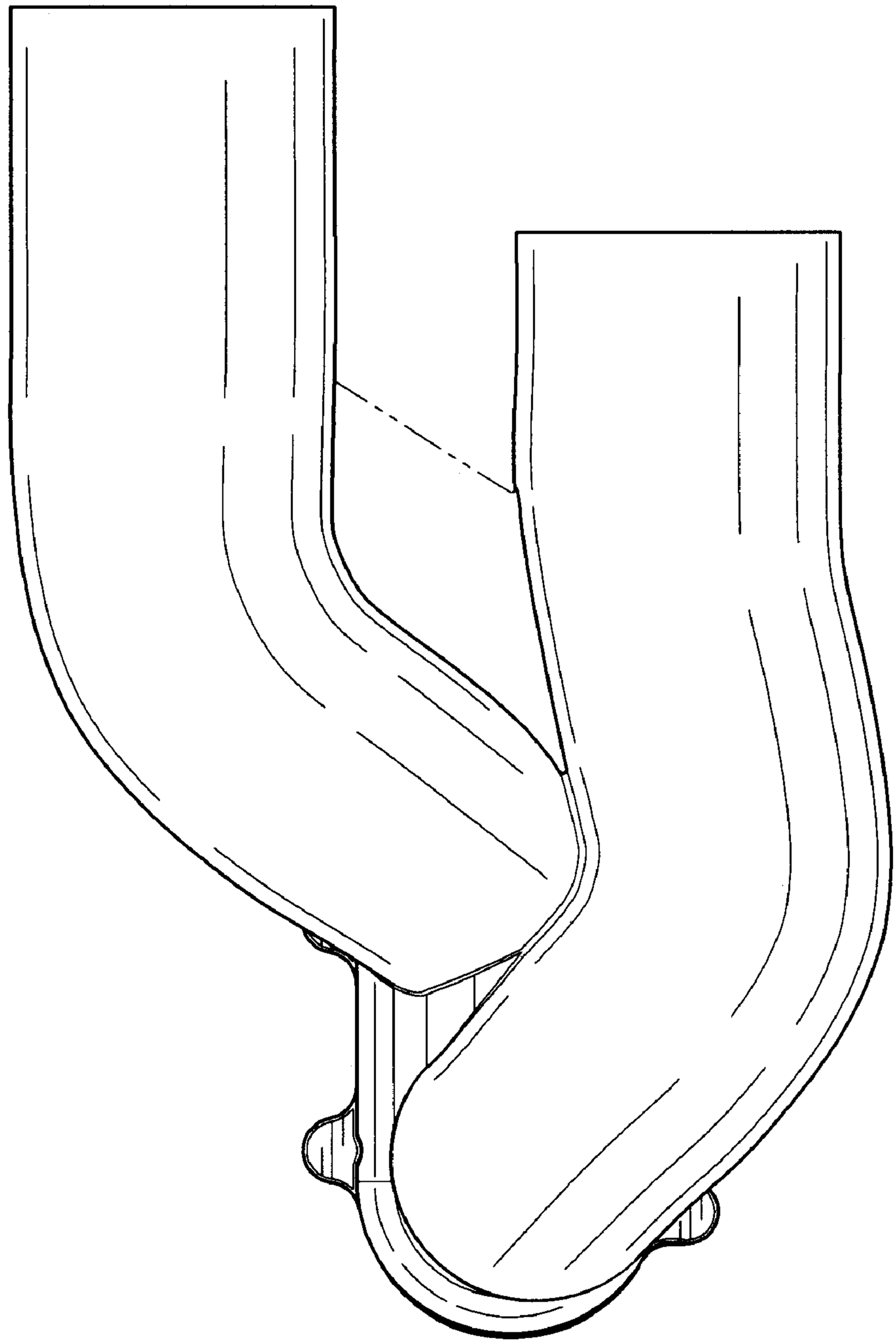


FIG.2

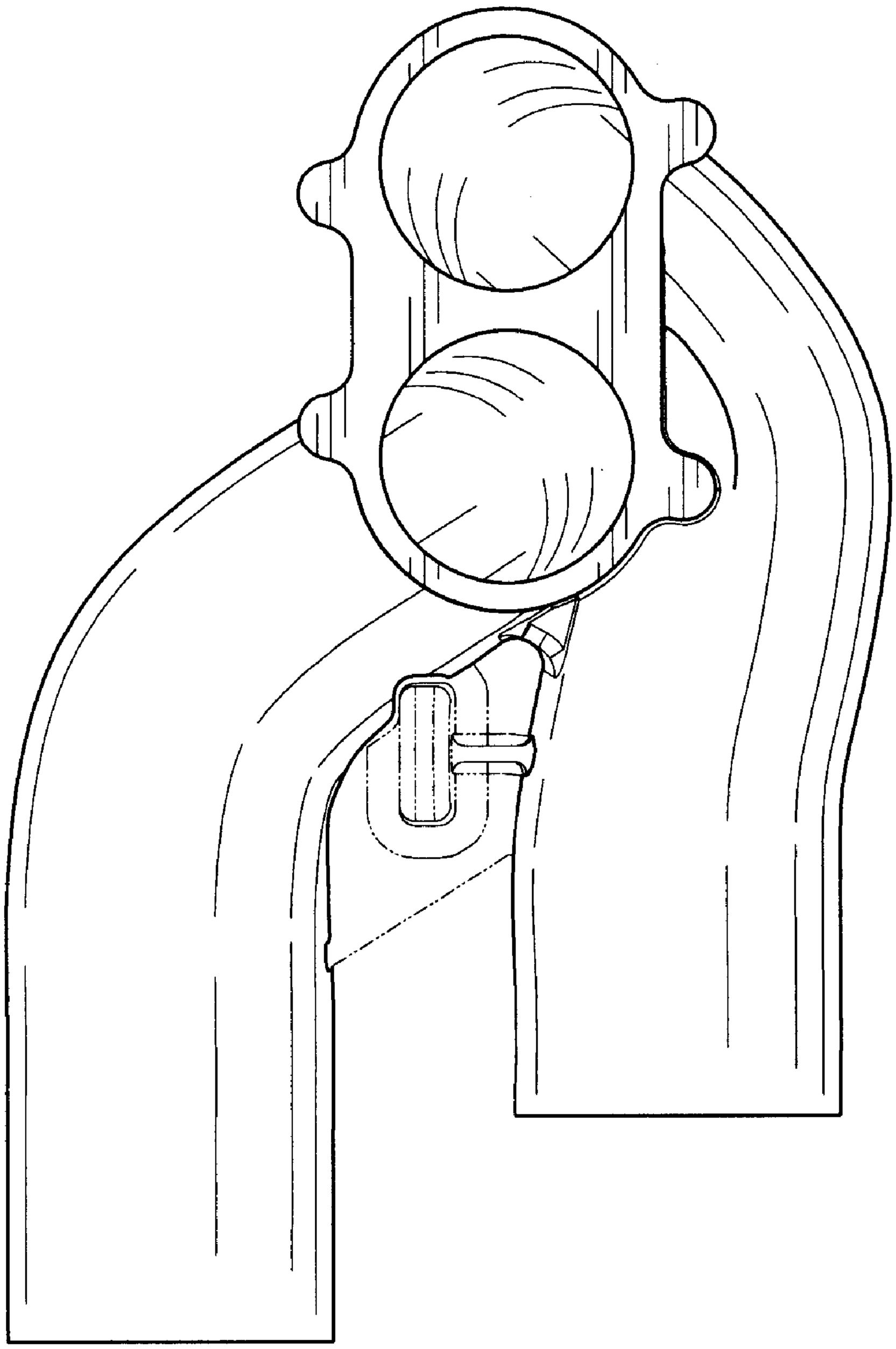


FIG.3

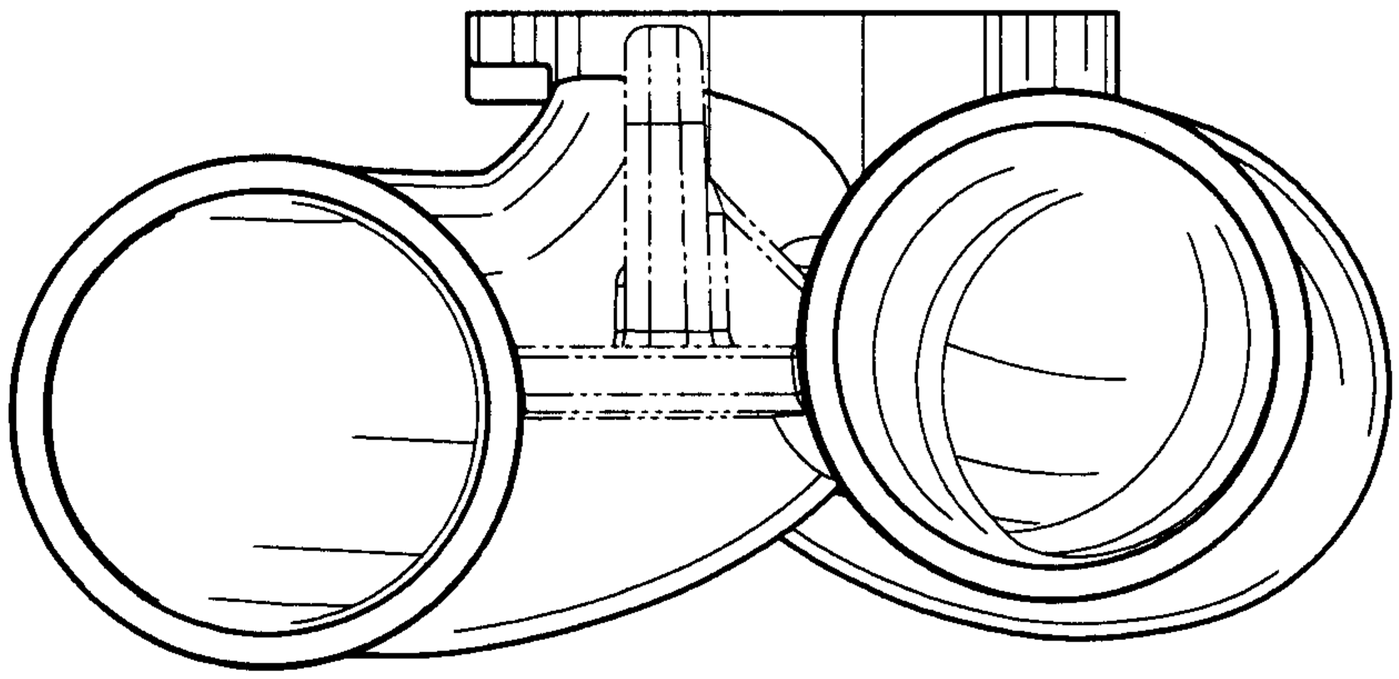


FIG.5

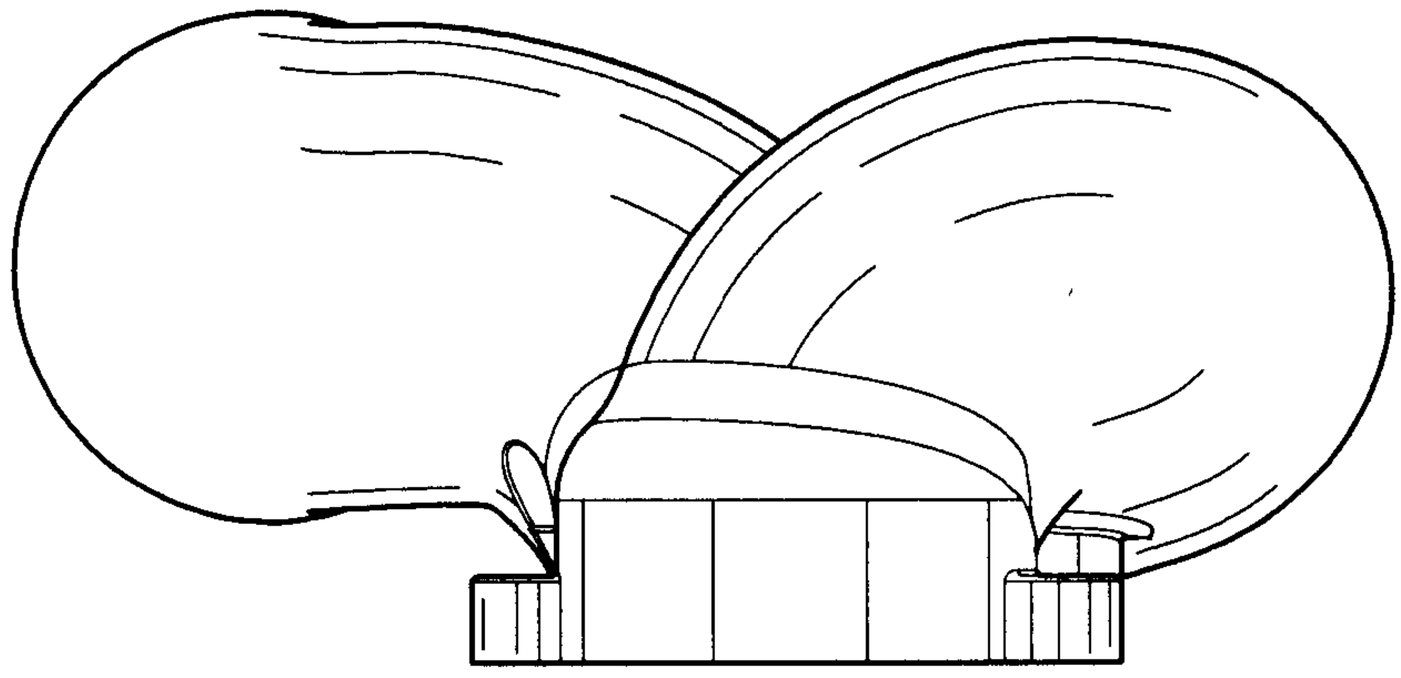


FIG.4

FIG.6

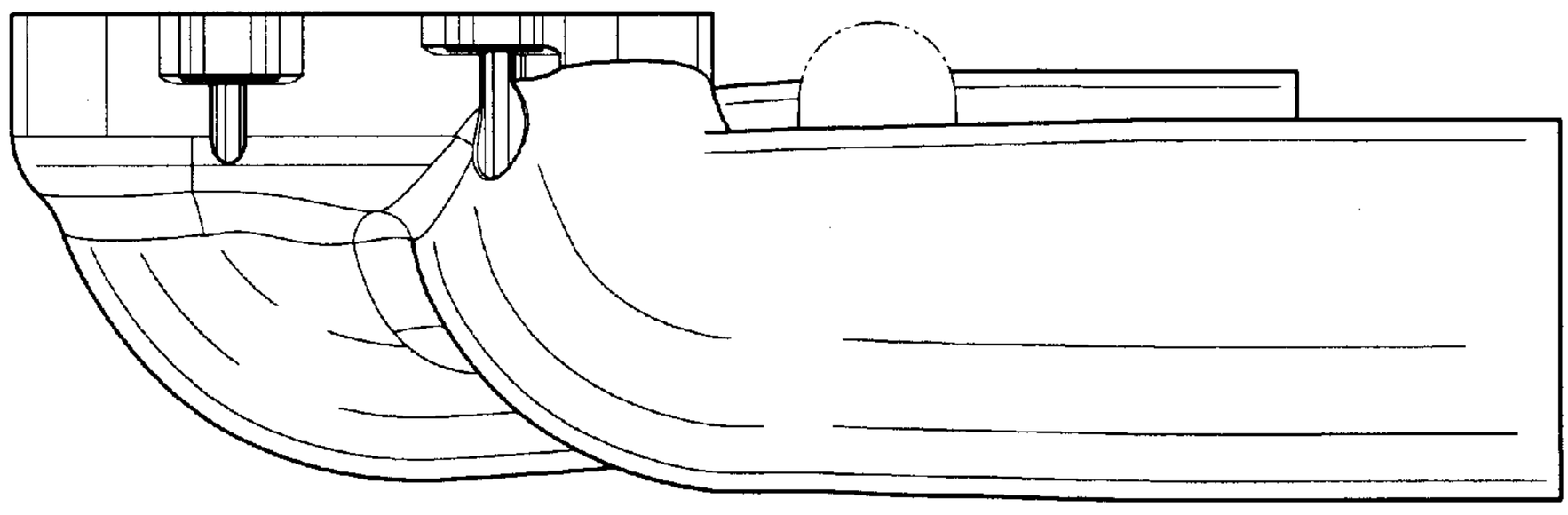


FIG.7

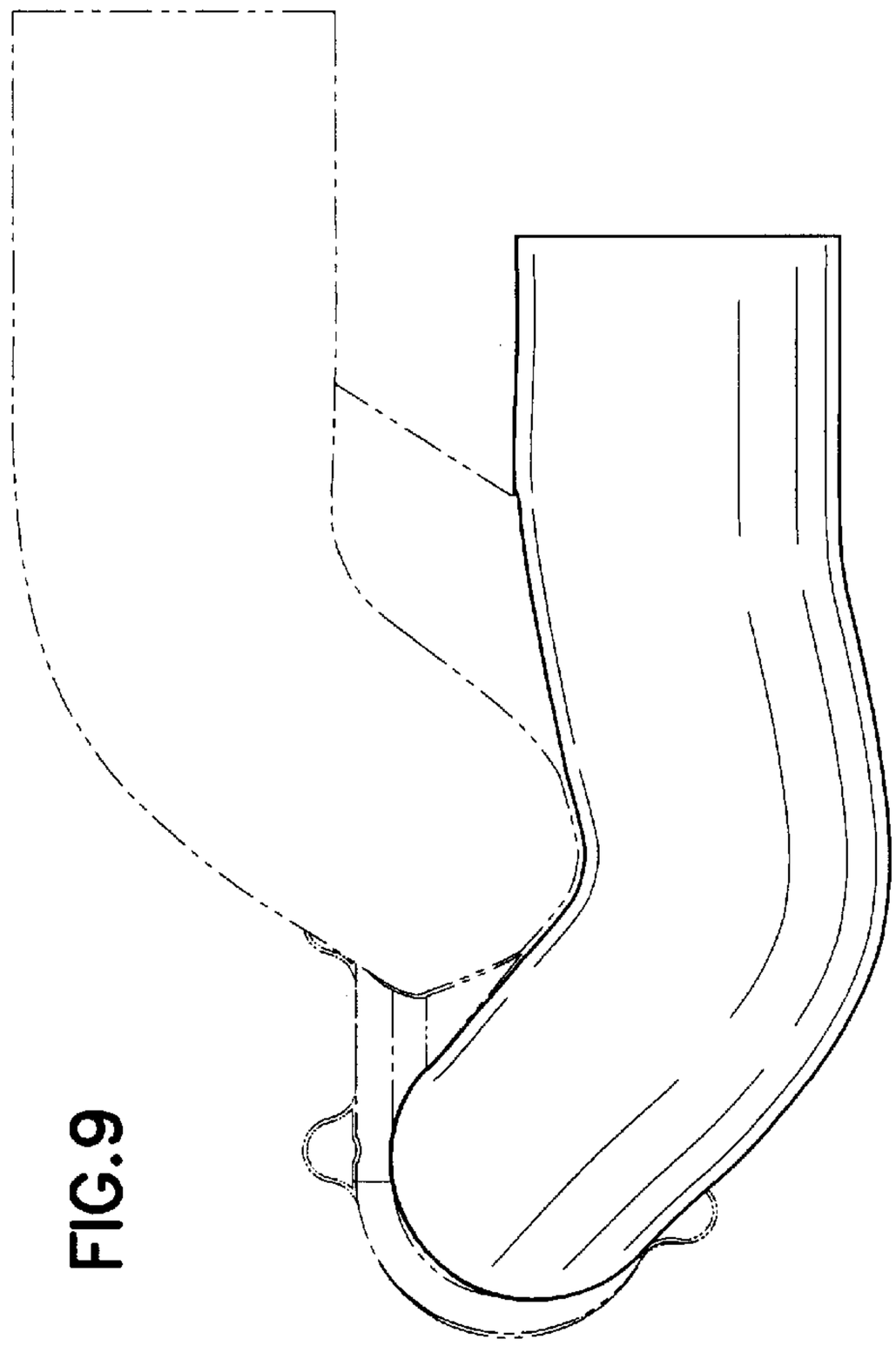


FIG.9

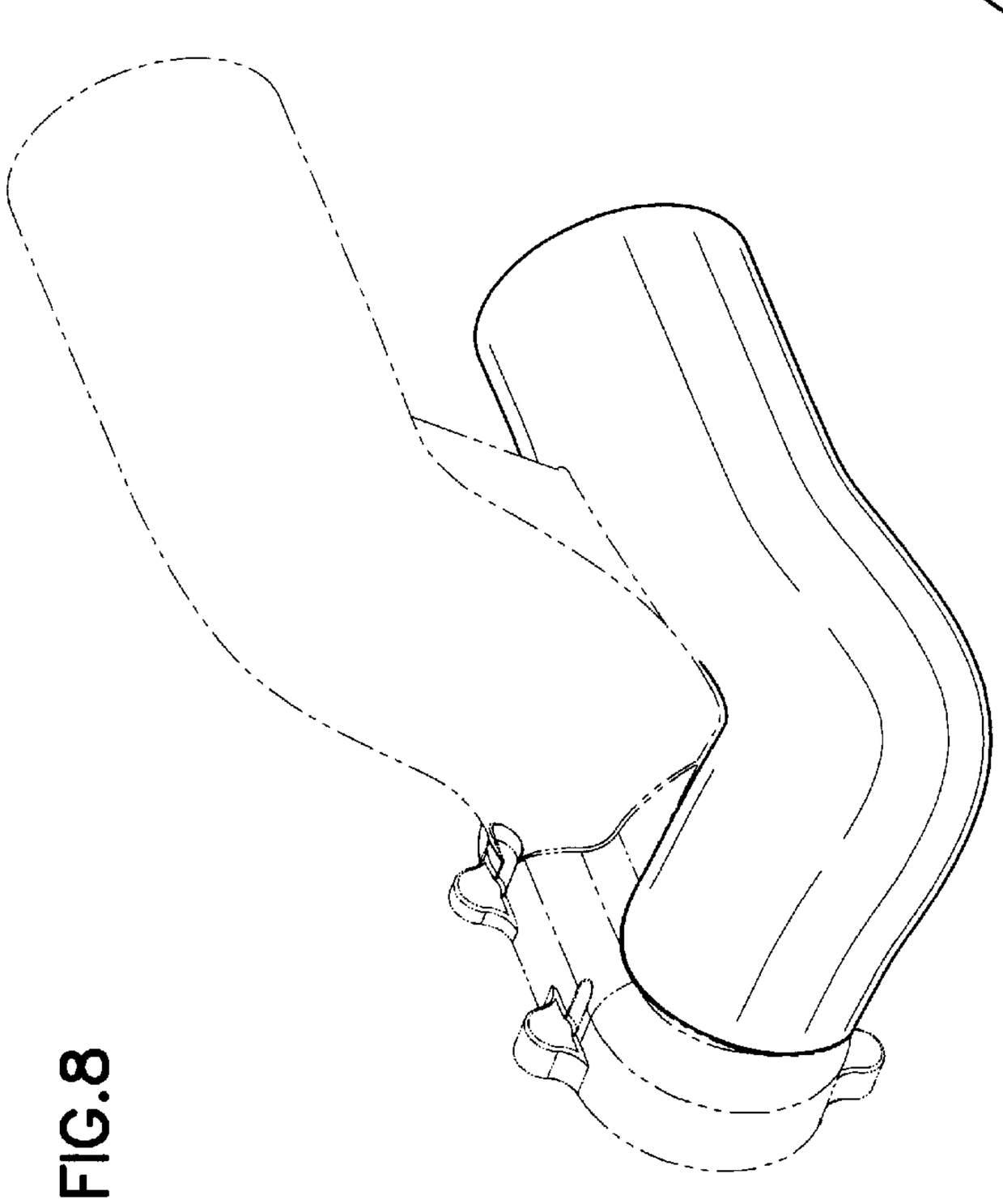


FIG.8

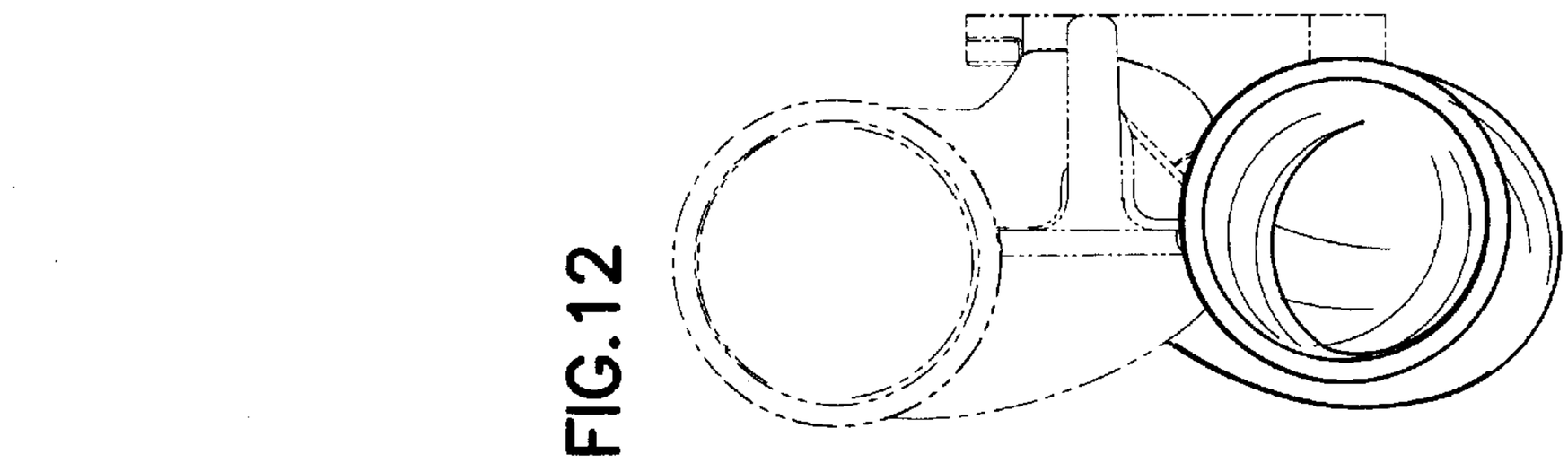


FIG.12

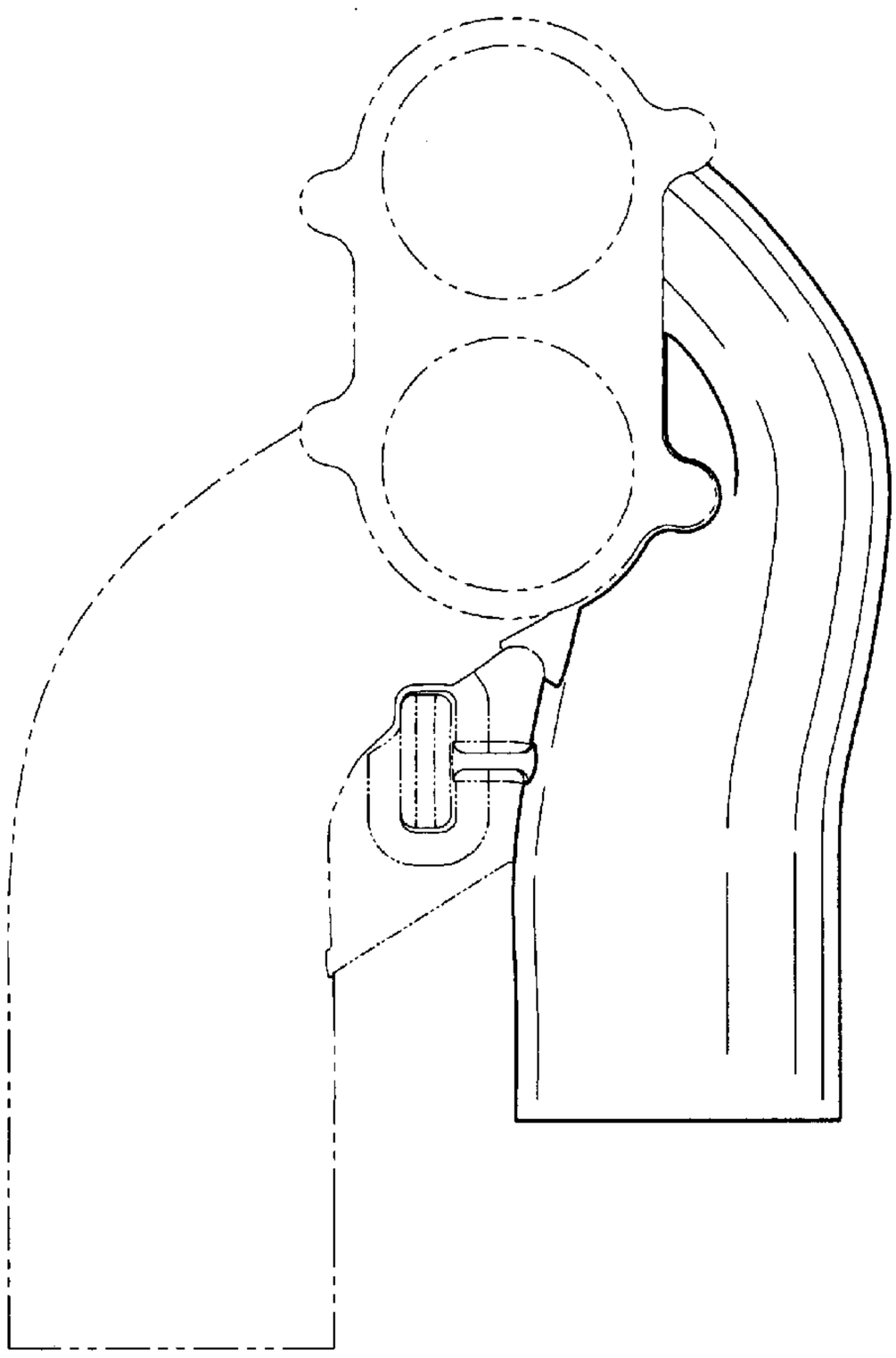


FIG.10

FIG.11

FIG. 13

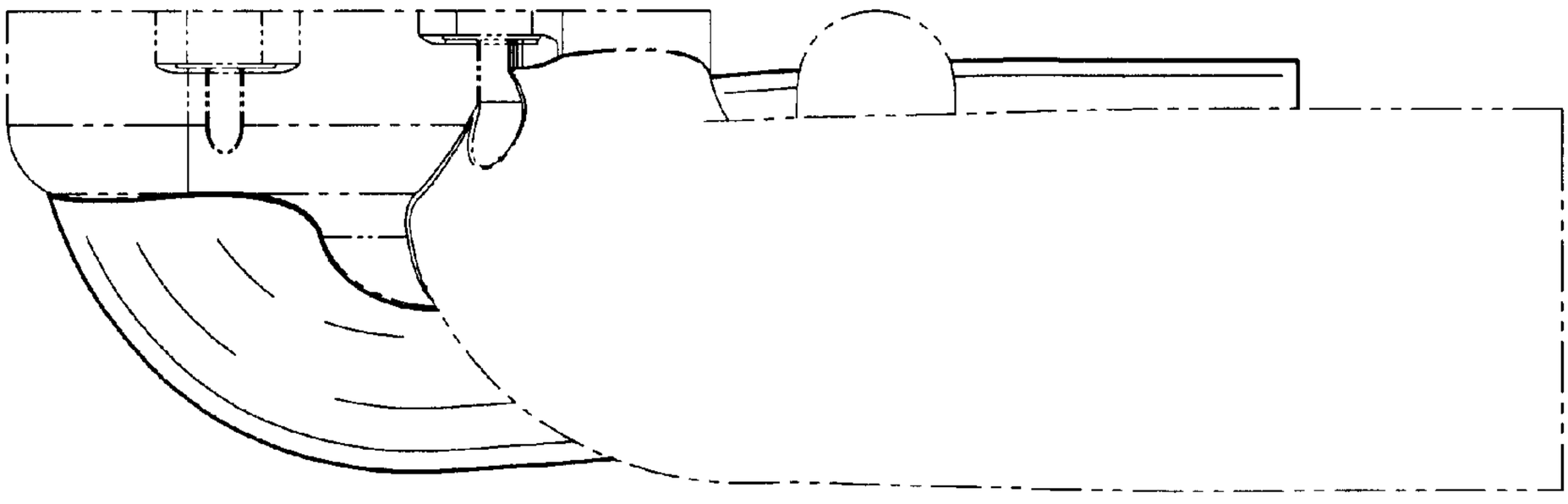
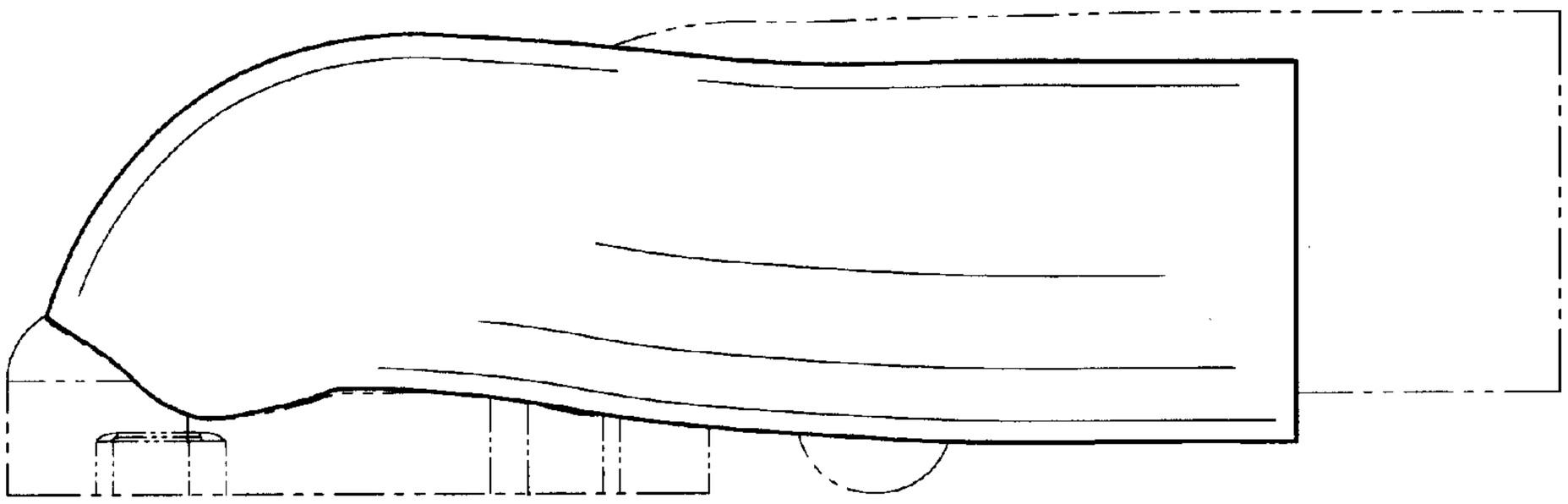


FIG. 14



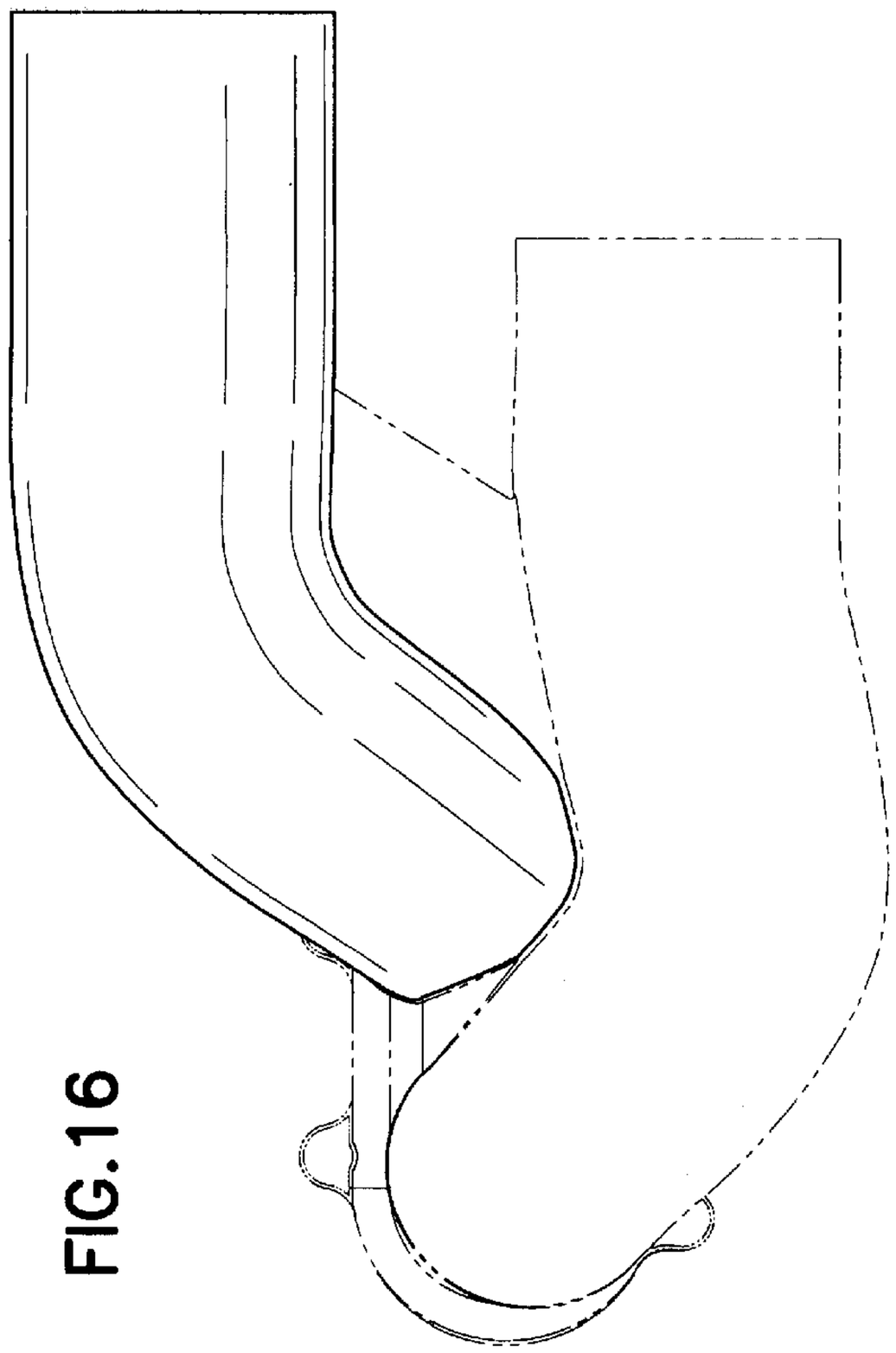


FIG.16

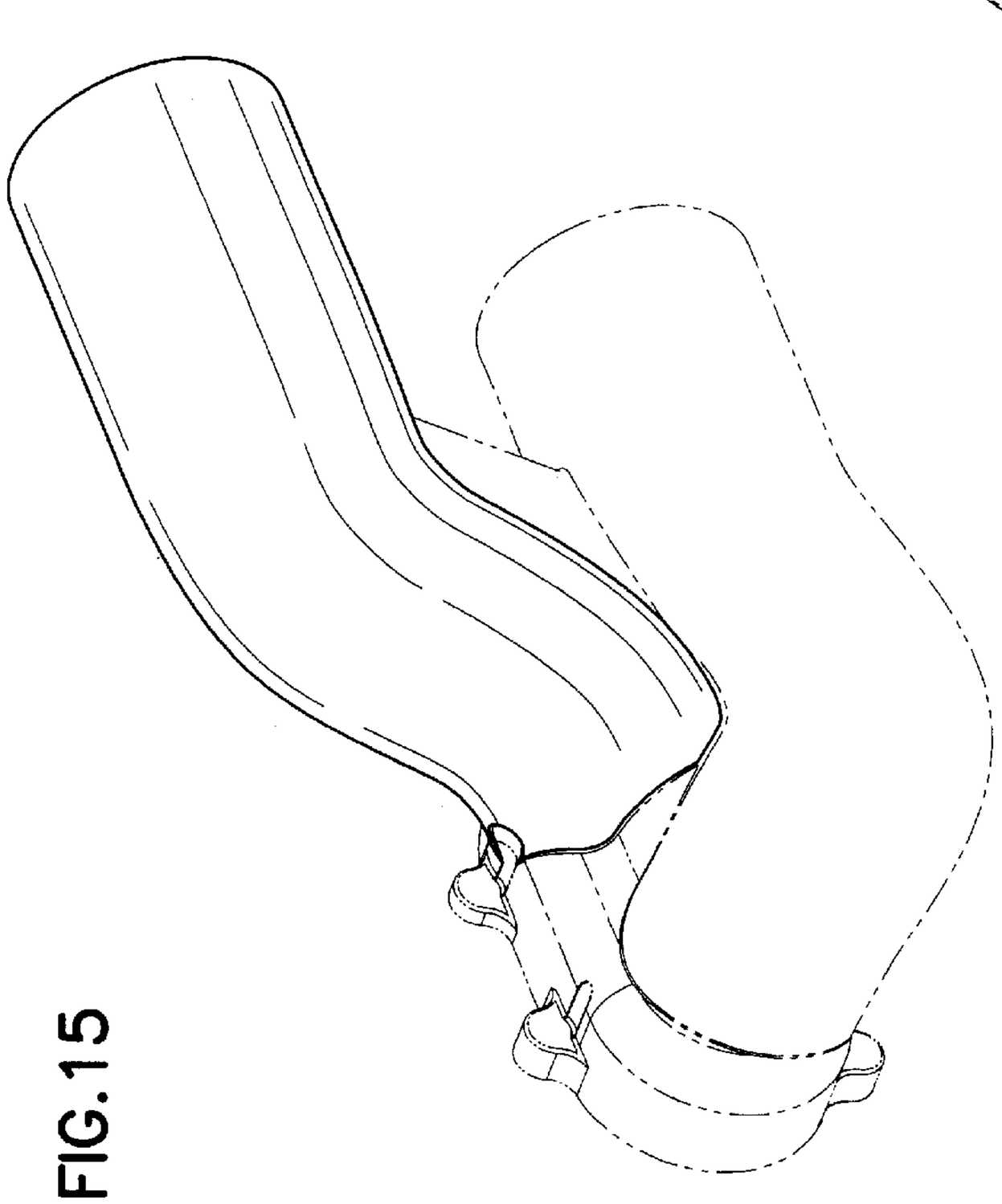


FIG.15

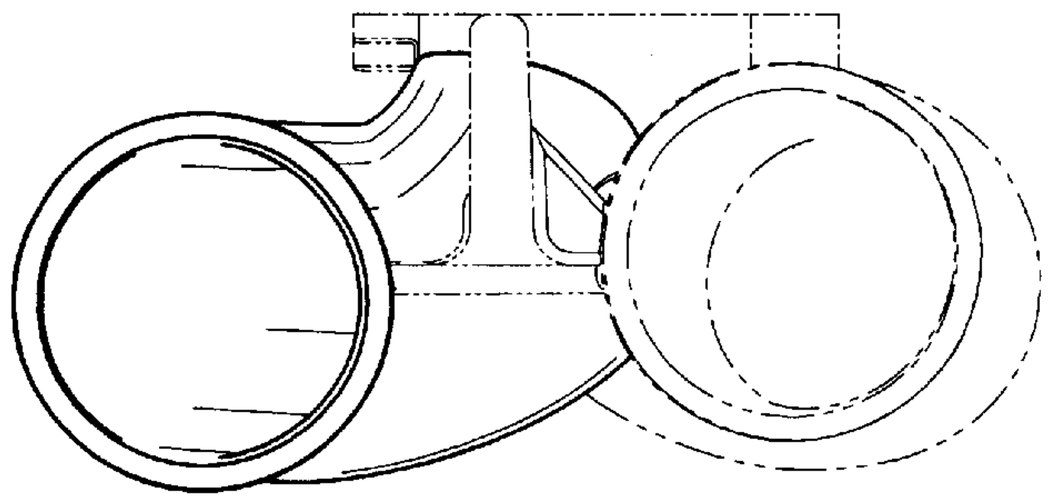


FIG.19

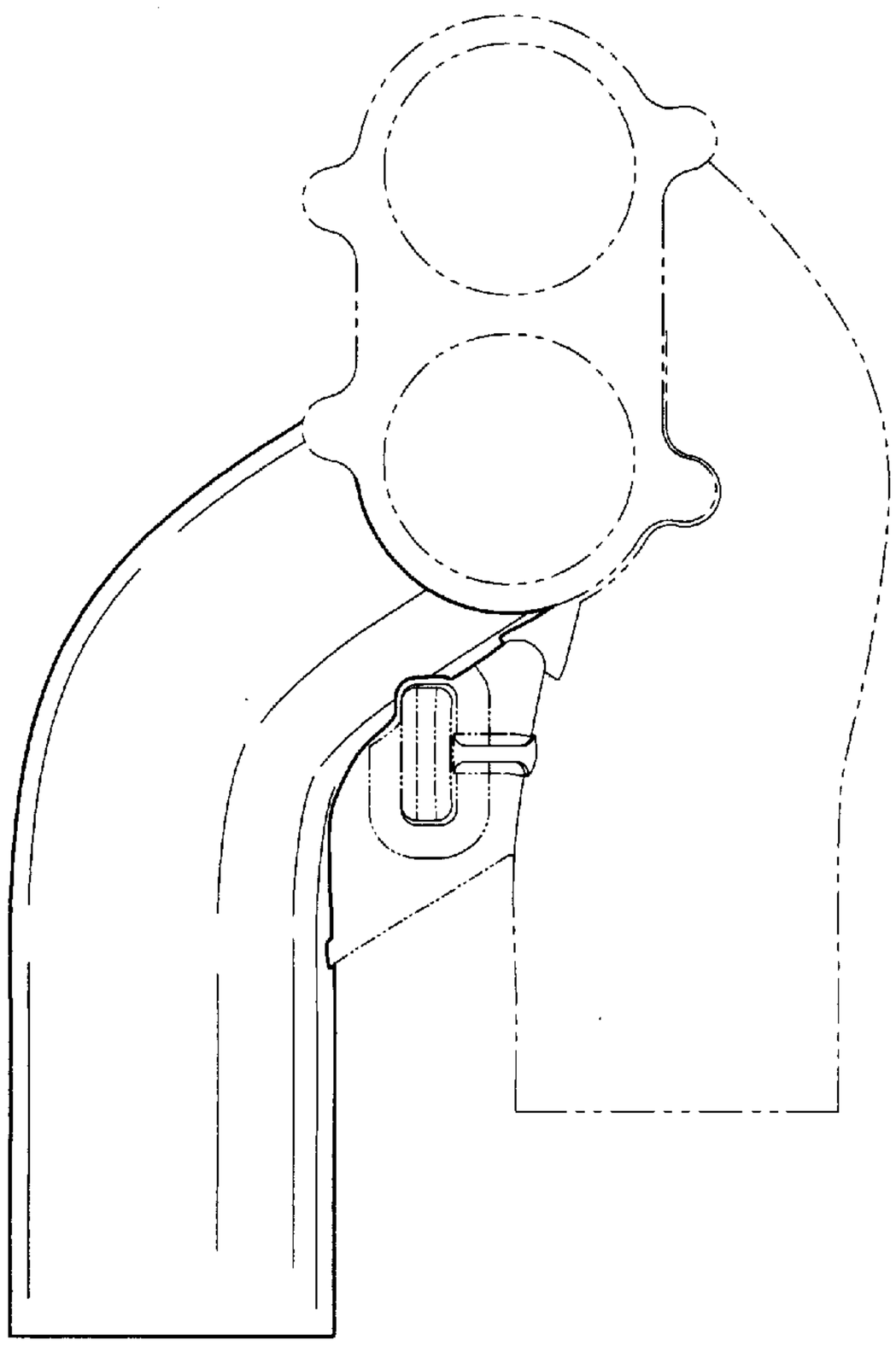


FIG.17

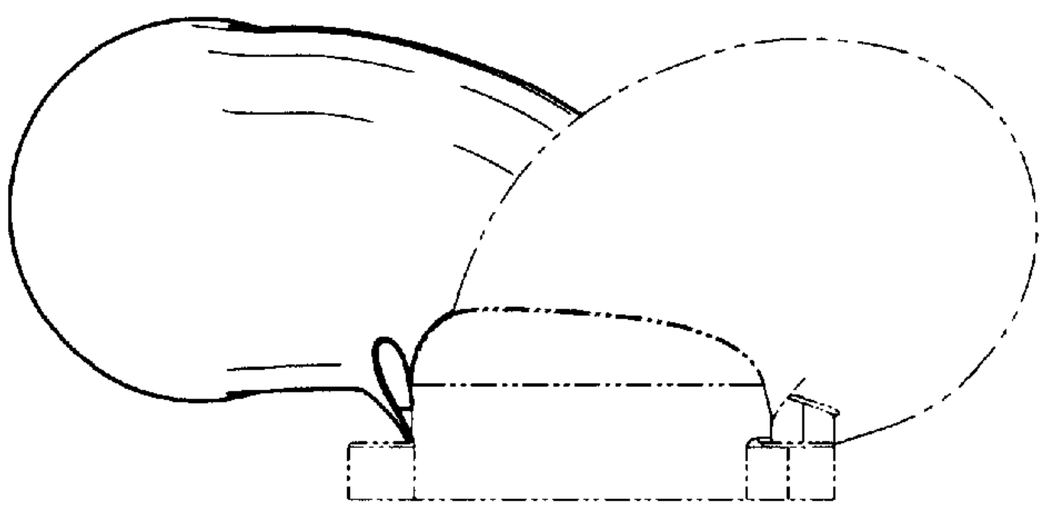


FIG.18

FIG.20

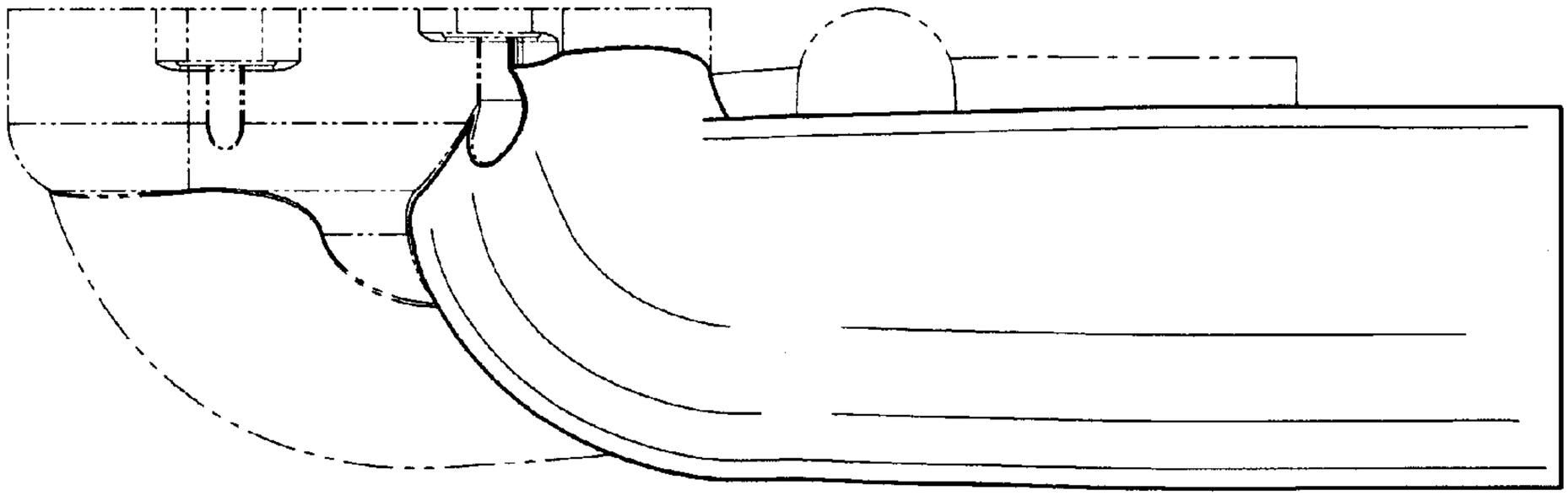


FIG.21