



US00D965029S

(12) **United States Design Patent** (10) **Patent No.:** **US D965,029 S**
Hosur et al. (45) **Date of Patent:** **** Sep. 27, 2022**

(54) **PISTON COOLING JET**

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(57) **CLAIM**

The ornamental design for a piston cooling jet, as shown and described.

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DESCRIPTION

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

FIG. 1 is a front elevated view of a piston cooling jet showing our new design;

(21) Appl. No.: **29/750,131**

FIG. 2 is a back view of the piston cooling jet shown in FIG. 1;

(22) Filed: **Sep. 11, 2020**

FIG. 3 is a front view of the piston cooling jet shown in FIG. 1;

(51) **LOC (13) Cl.** **15-01**

FIG. 4 is a side view of the piston cooling jet shown in FIG. 1;

(52) **U.S. Cl.**
USPC **D15/5**

FIG. 5 is a side view of the piston cooling jet shown in FIG. 1;

(58) **Field of Classification Search**
USPC **D15/1, 2, 3, 4, 5, 6, 7**

FIG. 6 is a top view of the piston cooling jet shown in FIG. 1;

(Continued)

FIG. 7 is a bottom view of the piston cooling jet shown in FIG. 1;

(56) **References Cited**

FIG. 8 is a bottom view of a portion of the piston cooling jet shown in FIG. 1 and taken from line 8-8 of FIG. 7; and,

U.S. PATENT DOCUMENTS

FIG. 9 is a side cross sectional view of the piston cooling jet shown in FIG. 1 and taken from line 9-9 of FIG. 6.

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(Continued)

Broken lines shown in the drawings illustrate environmental structure only and form no part of the claimed design.

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The piston cooling jet shown herein are used to convey cooling fluid from an engine cylinder block to a piston head.

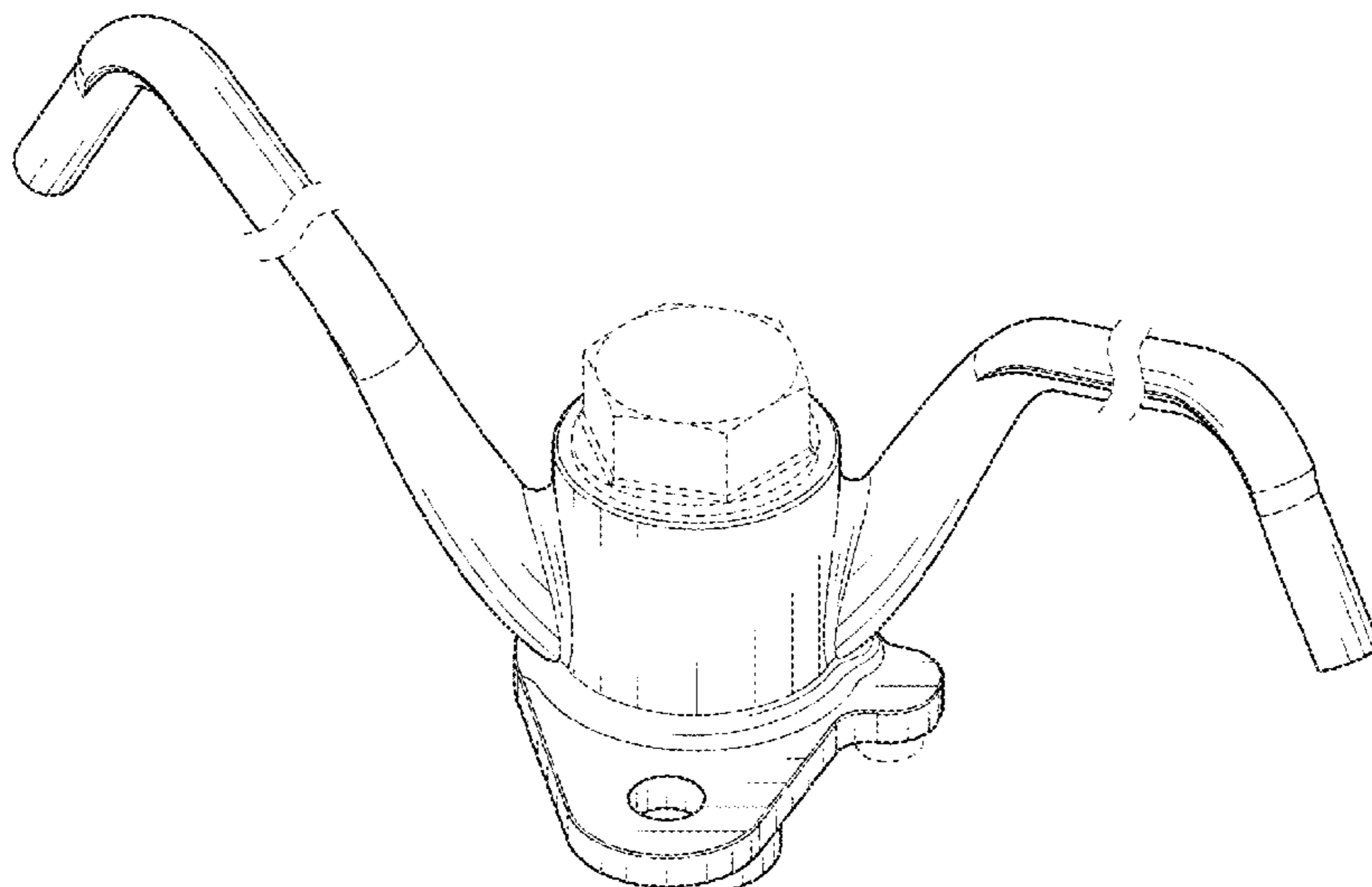
Various views shown in the attached drawings illustrate curved arms that include multiple arcuate surfaces, including curved layering. In addition, the piston cooling jet has a crossed interior end arm when viewed looking down the arm. The interior surfaces of each arm of the piston cooling jet also have a tapered arcuate surface.

Search Report for related Eurasian Patent Application No. 202191576 dated Nov. 17, 2021 (4 pages).

The cut away portions in the drawings indicate the appearance of any portion of the article between the cutaway lines forms no part of the claimed design.

(Continued)

1 Claim, 6 Drawing Sheets



(58) **Field of Classification Search**
 CPC F01P 3/08; F01P 3/10; F01P 3/06
 See application file for complete search history.

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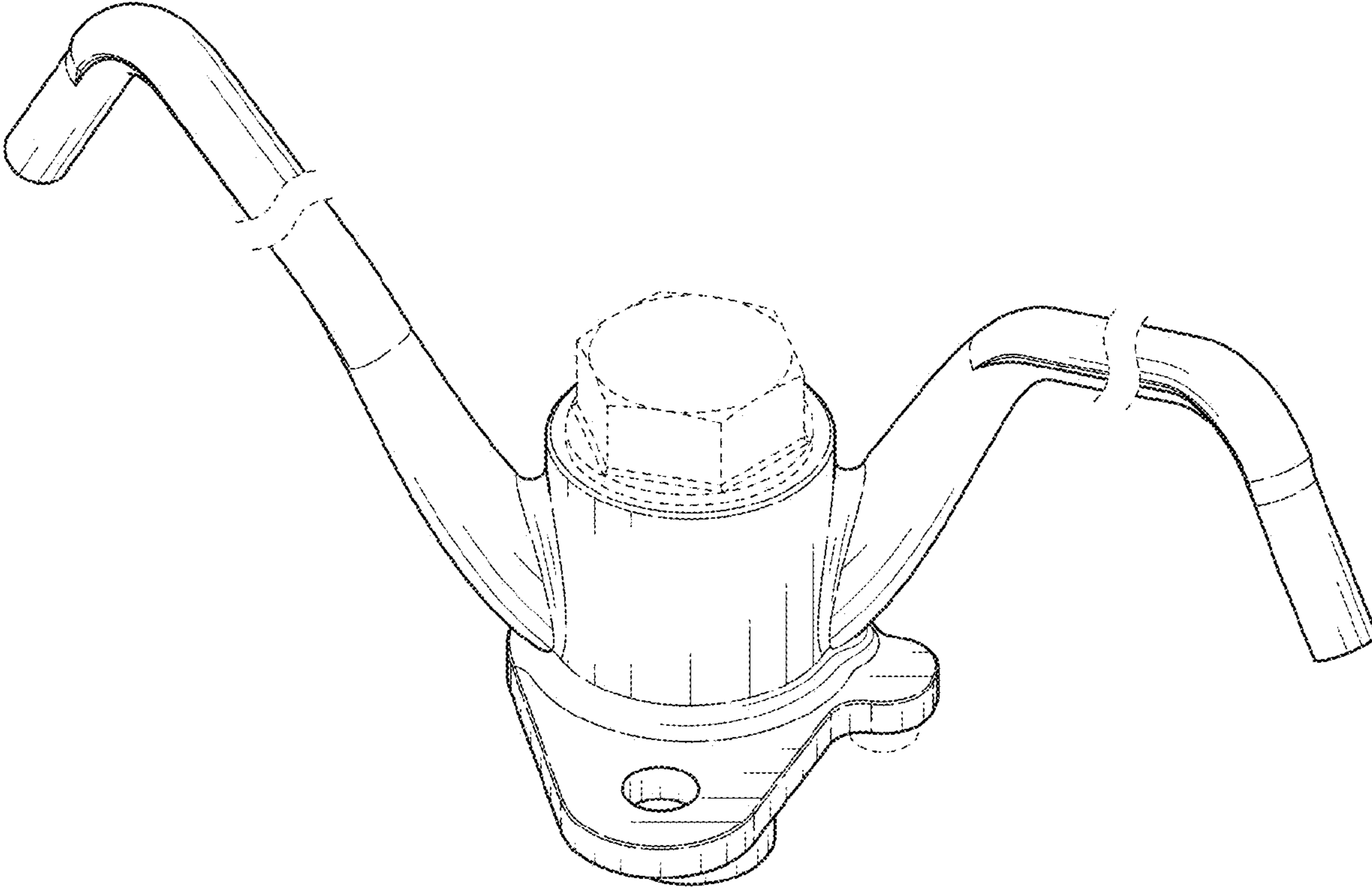


FIG. 1

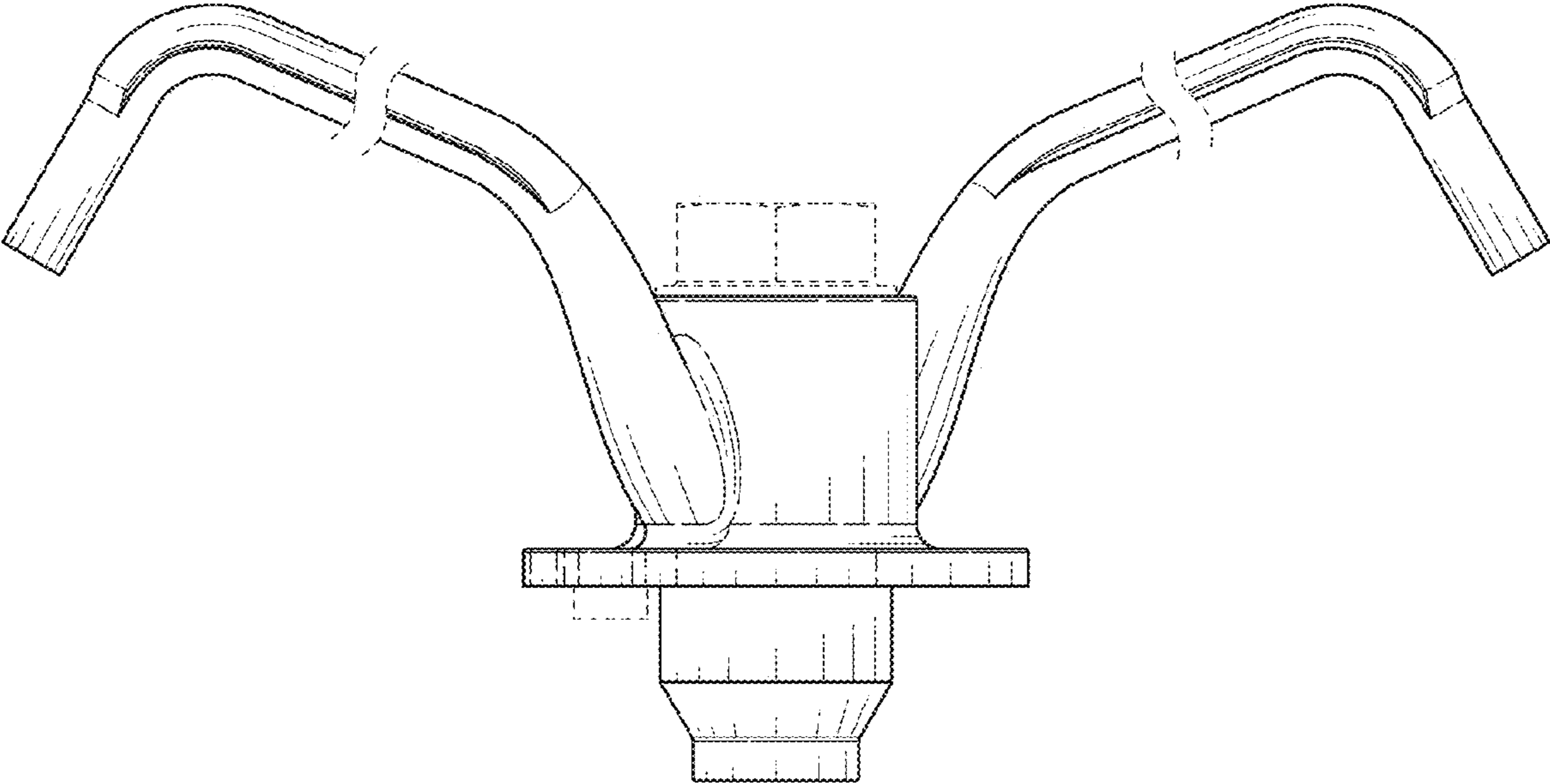


FIG. 2

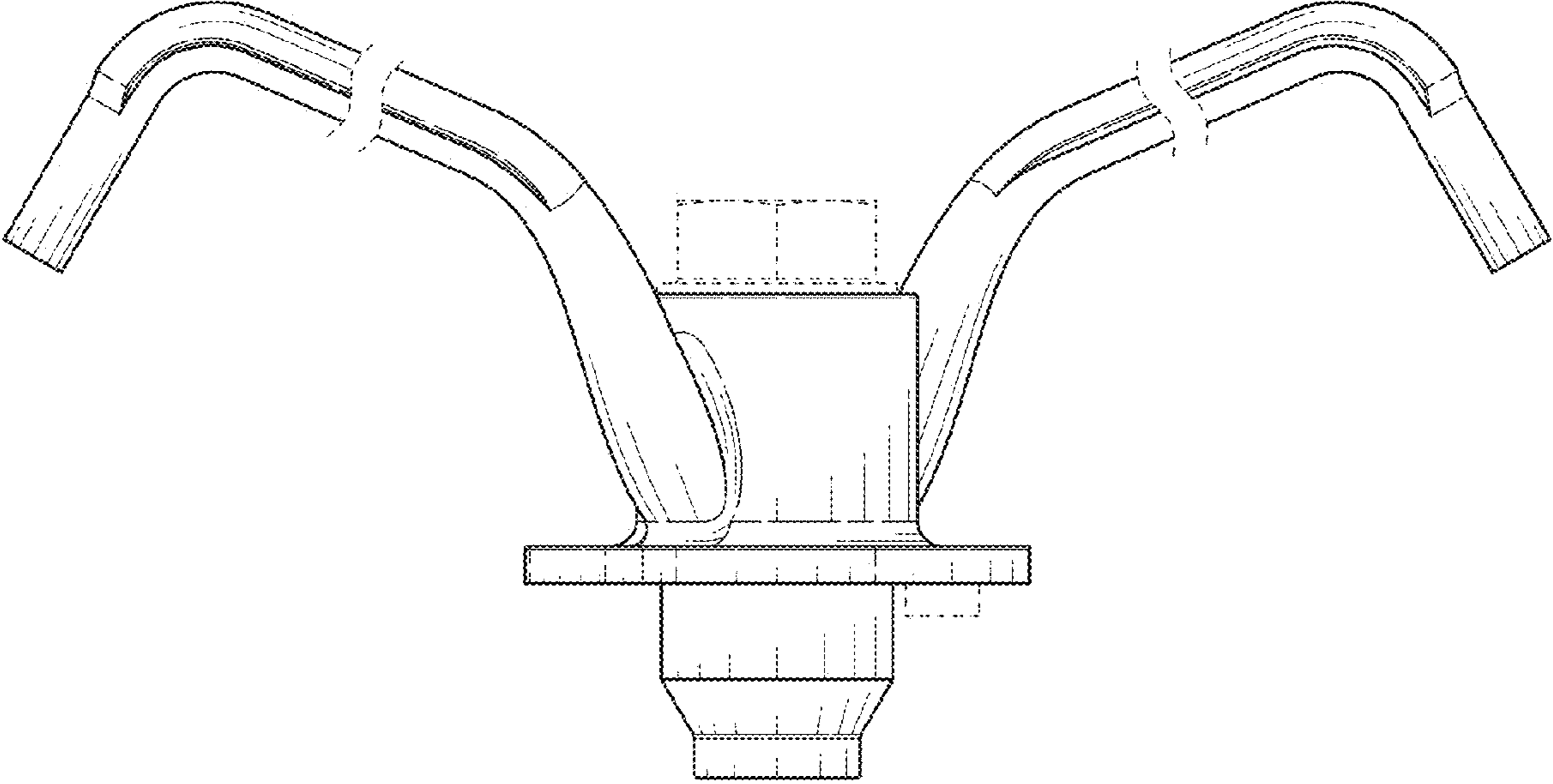


FIG. 3

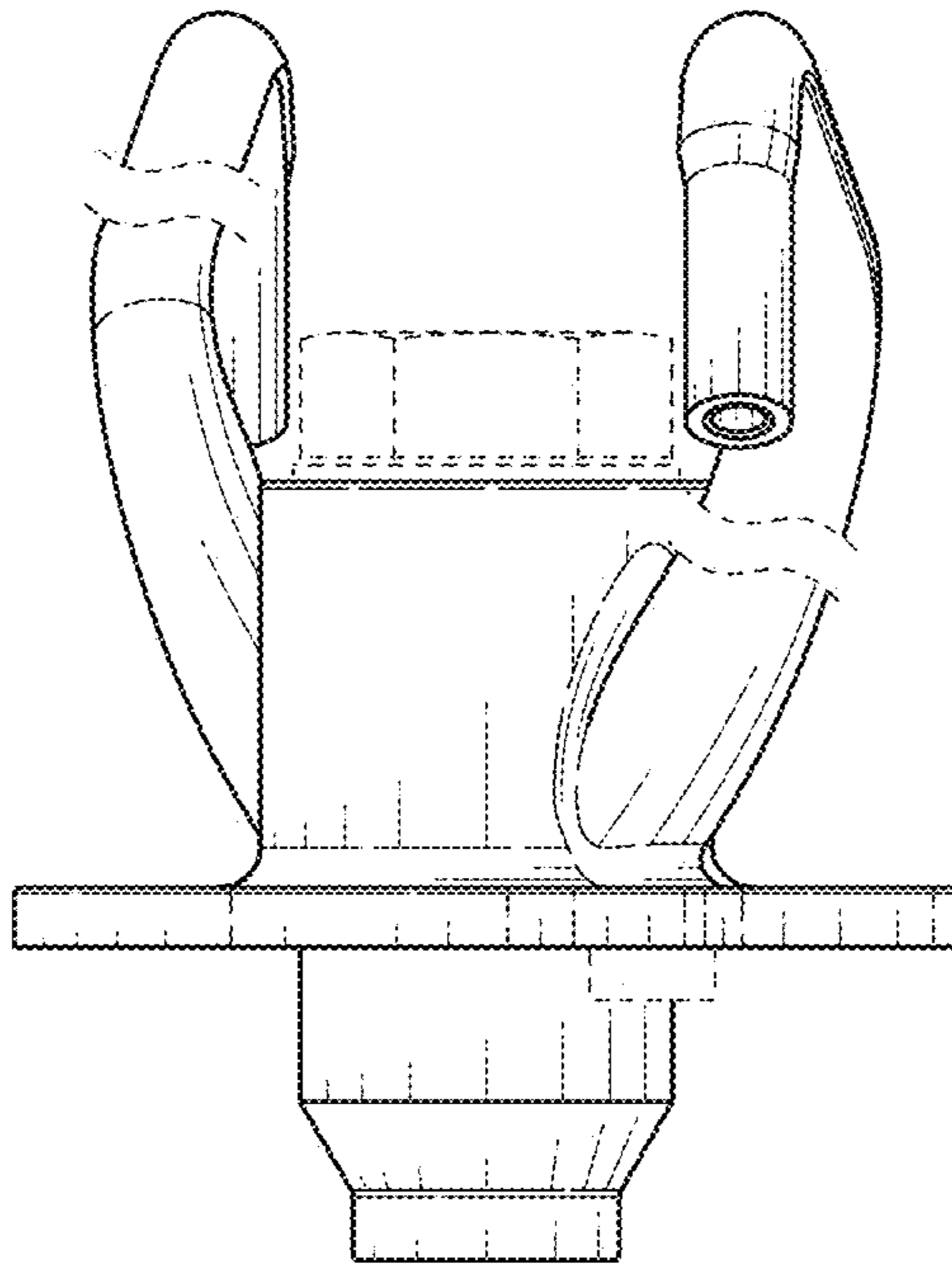


FIG. 4

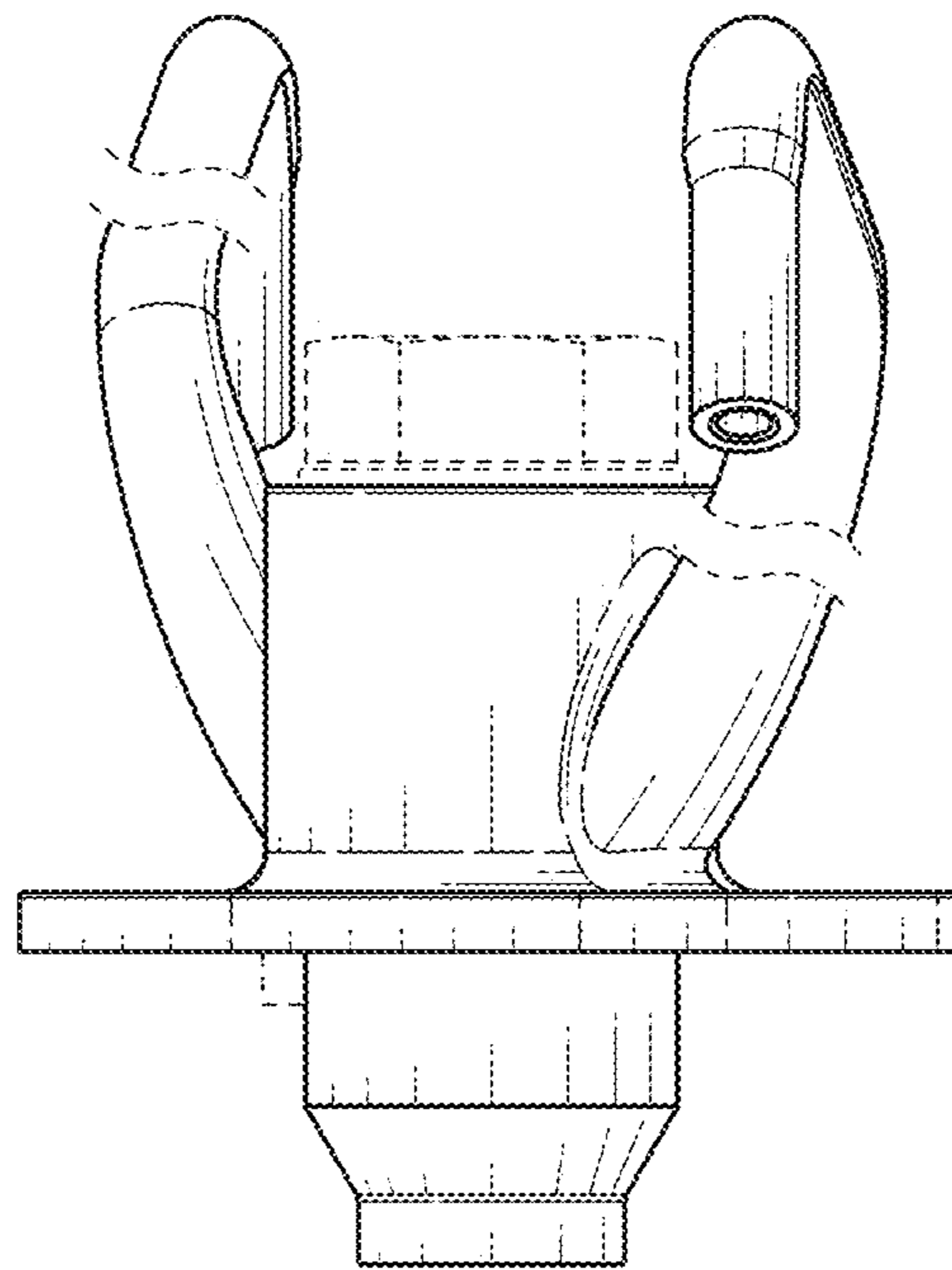


FIG. 5

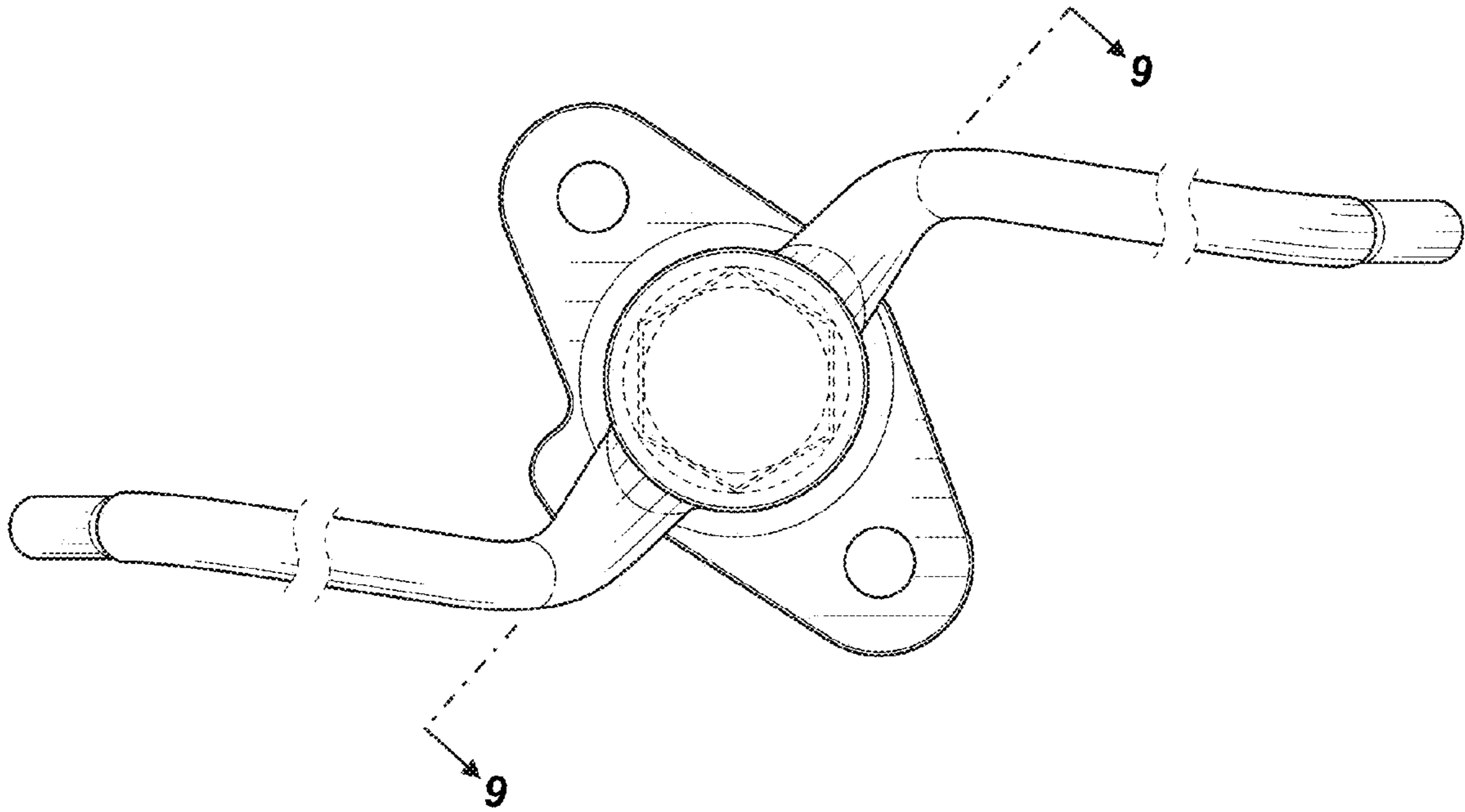


FIG. 6

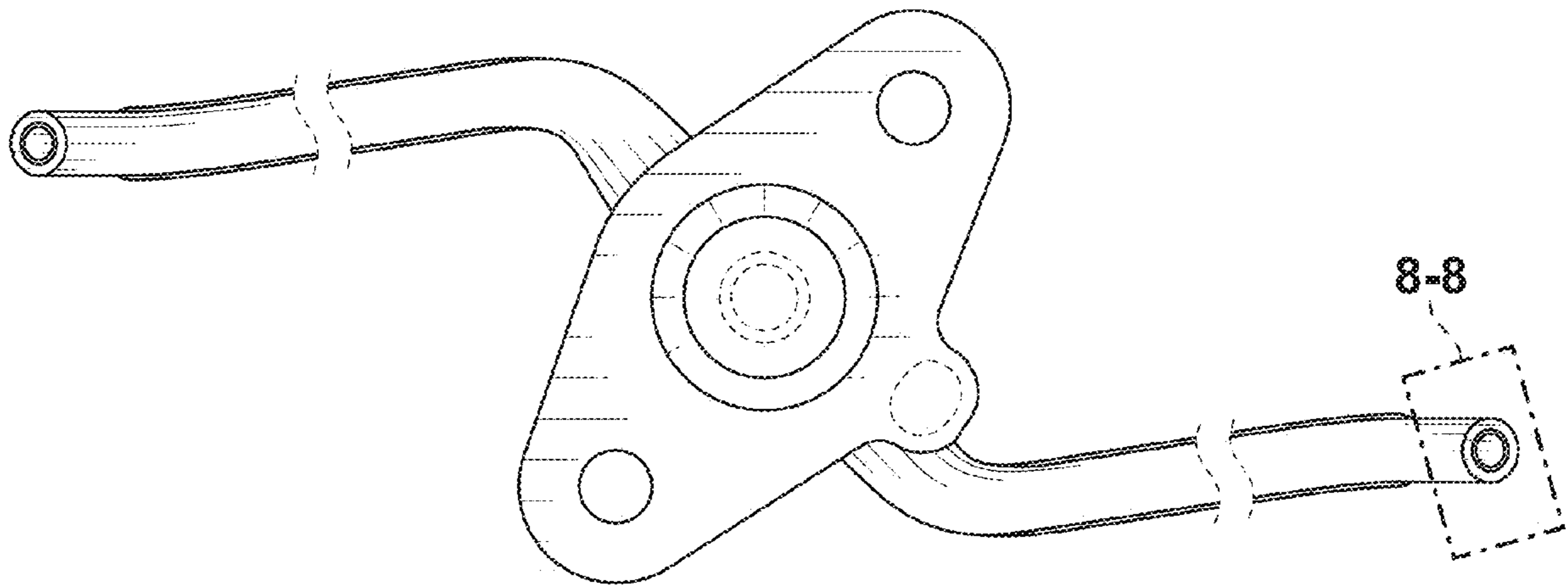


FIG. 7

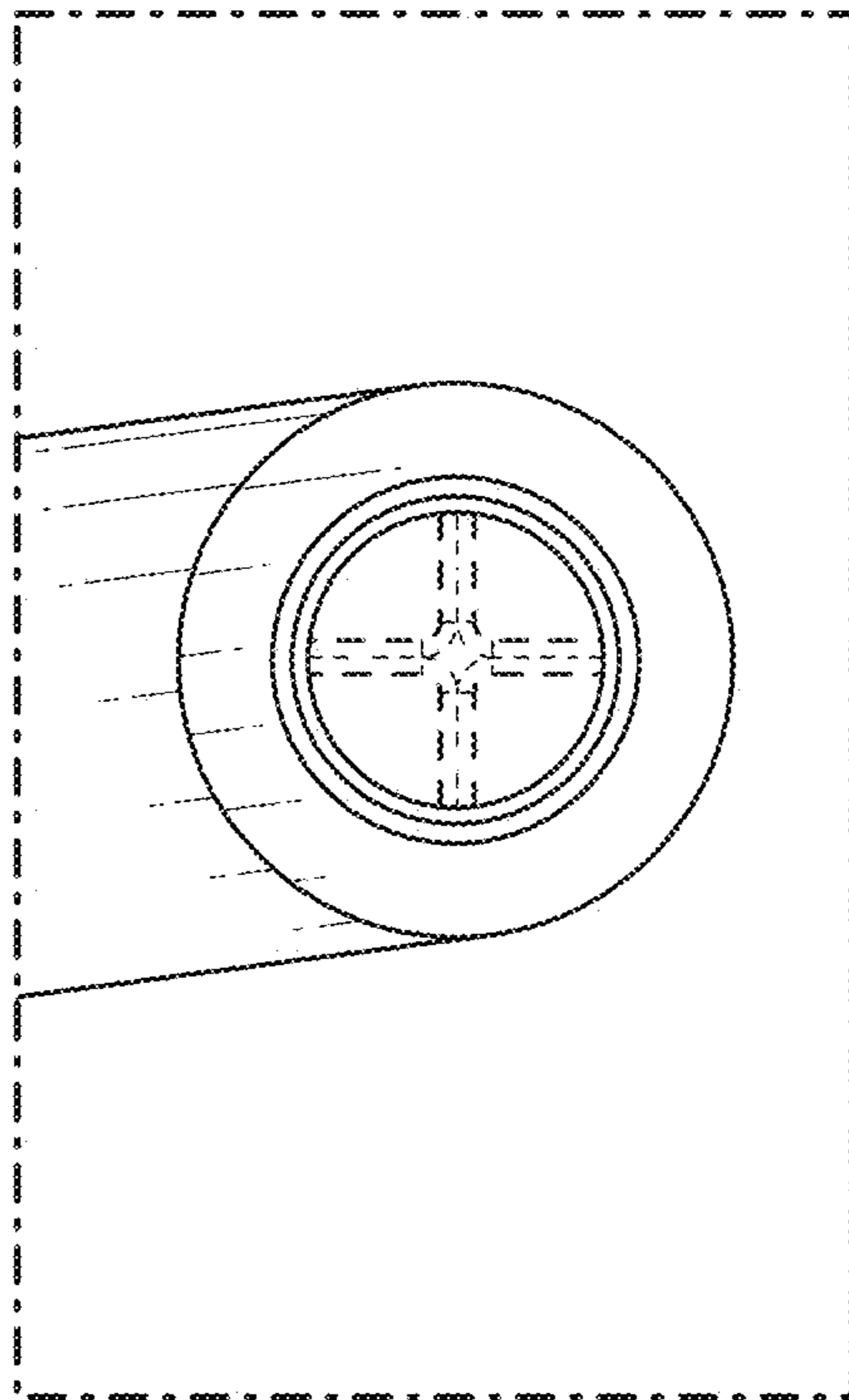


FIG. 8

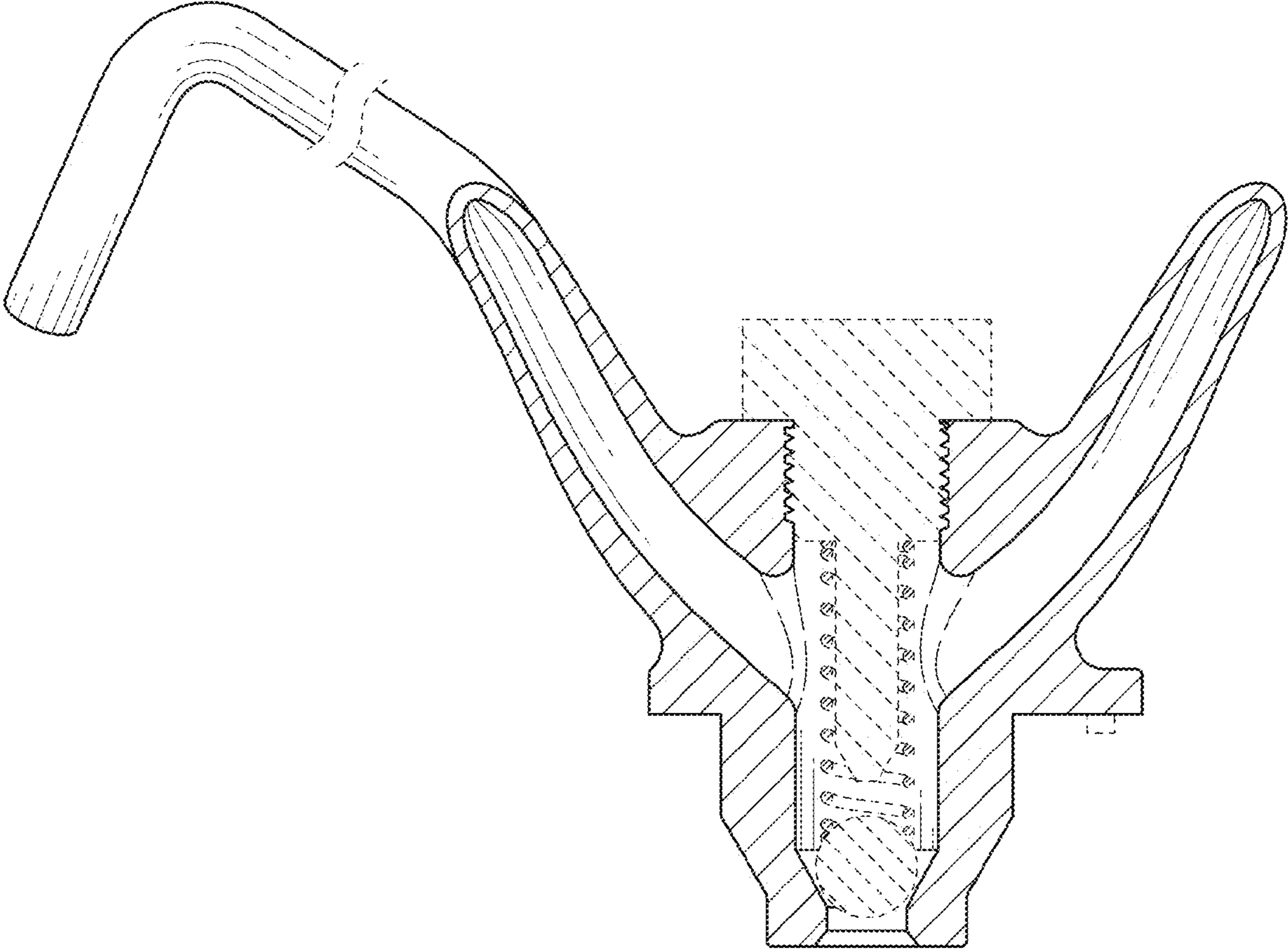


FIG. 9