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

(10) **Patent No.:** **US D716,915 S**
(45) **Date of Patent:** **** Nov. 4, 2014**

(54) **HIGH PRESSURE FUEL PIPE FOR ENGINES**

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

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Feb. 28, 2012 (JP) 2012-004315

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(52) **U.S. CL.**
USPC **D23/259**

(58) **Field of Classification Search**
CPC F16L 23/00; F16L 27/00
USPC D23/259-269; D8/382, 387; D13/155;
D24/129; 285/58, 83; 138/109;
123/468
See application file for complete search history.

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Assistant Examiner — John Reickel

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(57) **CLAIM**

The ornamental design for a high pressure fuel pipe for engines, as shown and described.

DESCRIPTION

FIG. 1 is a front view of a high pressure fuel pipe showing our new design;

FIG. 2 is a top view thereof;

FIG. 3 is a right side view thereof;

FIG. 4 is a left side view thereof;

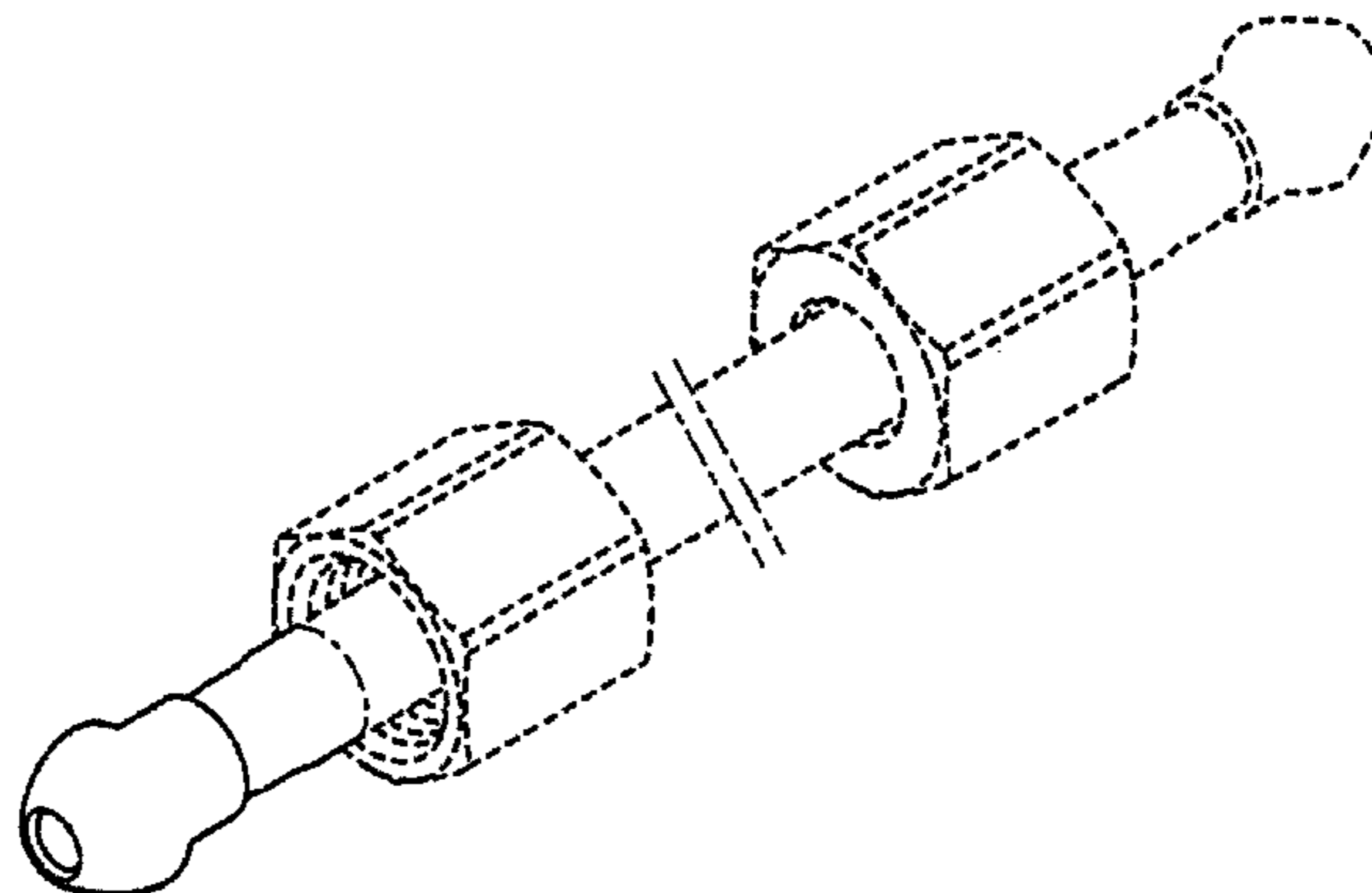


FIG. 5 is a sectional view thereof taken along line 5-5 of FIG. 1;
FIG. 6 is a sectional view thereof taken along line 6-6 of FIG. 2;
FIG. 7 is an enlarged sectional view thereof taken between lines 7-7 of FIG. 6;
FIG. 8 is an enlarged right side view thereof;
FIG. 9 is an enlarged sectional view showing the high pressure fuel pipe in use;
FIG. 10 is a perspective view thereof;
FIG. 11 is a further perspective view thereof;
FIG. 12 is a further perspective view thereof;
FIG. 13 is a further perspective view thereof;
FIG. 14 is a front view of a high pressure fuel pipe showing a second embodiment of our new design;
FIG. 15 is a top view thereof;
FIG. 16 is a right side view thereof;
FIG. 17 is a left side view thereof;
FIG. 18 is an enlarged view thereof taken between lines 18-18 of FIG. 14;
FIG. 19 is a sectional view thereof taken along line 19-19 of FIG. 15;

FIG. 20 is an enlarged sectional view thereof taken between lines 20-20 of FIG. 19;
FIG. 21 is an enlarged right side view thereof;
FIG. 22 is an enlarged sectional view showing the high pressure fuel pipe in use;
FIG. 23 is a perspective view thereof;
FIG. 24 is a further perspective view thereof;
FIG. 25 is a further perspective view thereof; and,
FIG. 26 is a further perspective view thereof.
Back views appear identical to the front views. Bottom views appear identical to the top views.
The broken line showings of connectors and pipe in FIGS. 1-4, 6, 8, 10-13, 14-17, 19, 21, and 23-26 are for the purpose of illustrating portions of the high pressure fuel pipe and form no part of the claimed design. The broken line showings of a connection element and a portion of a fuel pump or a fuel rail in FIGS. 9 and 22 are for the purpose of illustrating the usage environment of the high pressure fuel pipe and form no part of the claimed design.

1 Claim, 14 Drawing Sheets

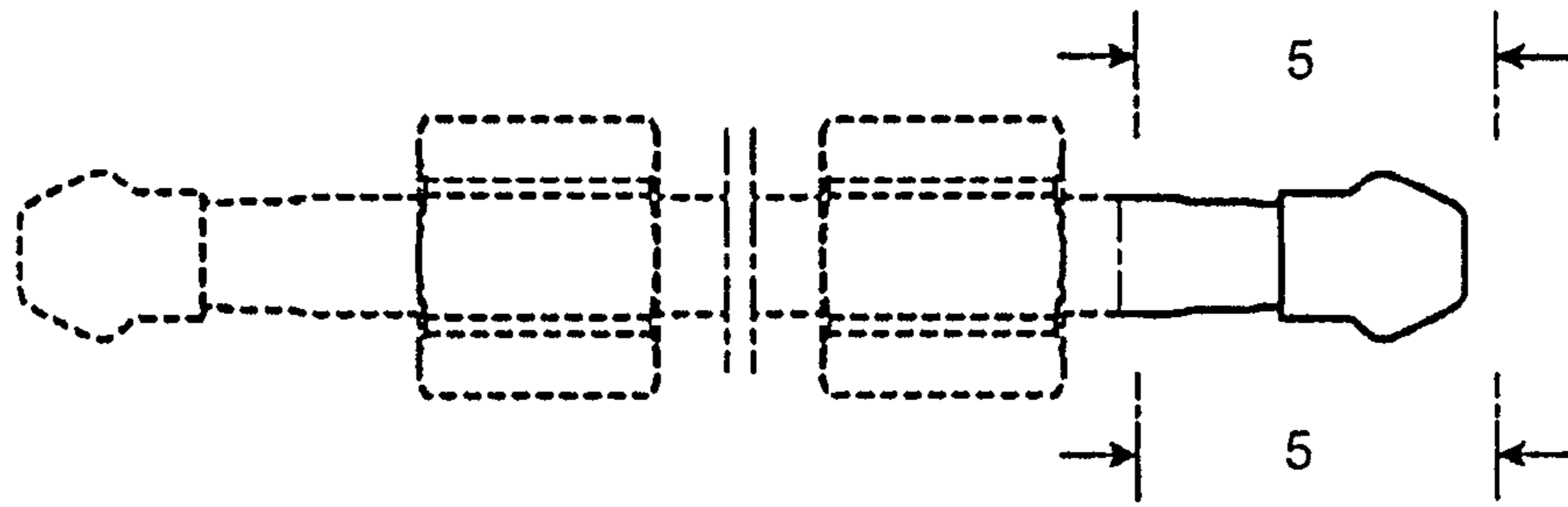


Fig. 1

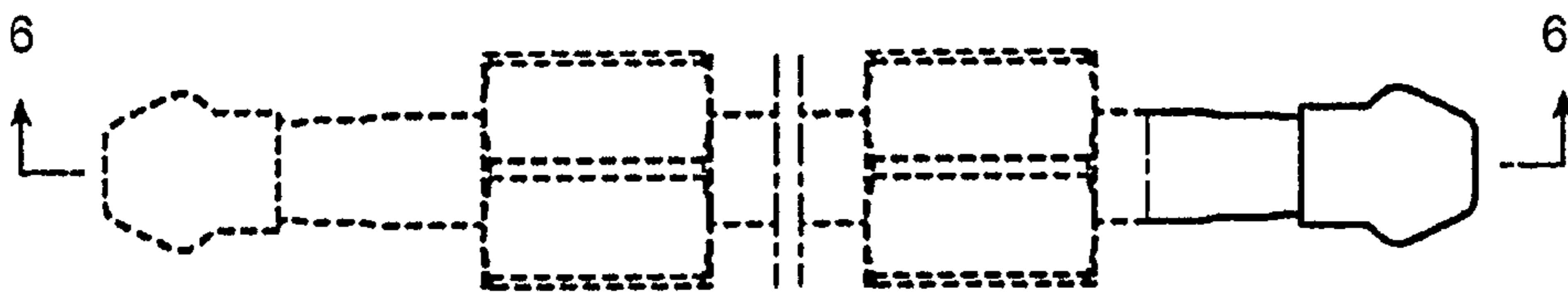


Fig. 2

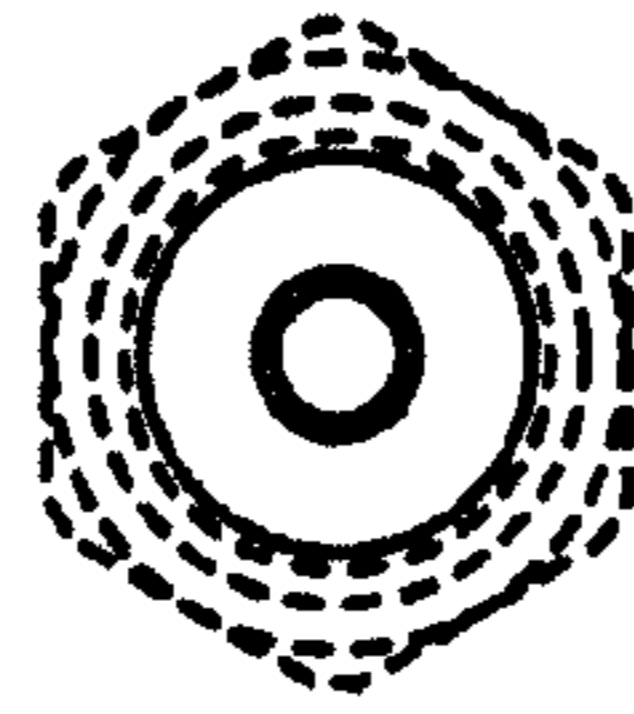


Fig. 3

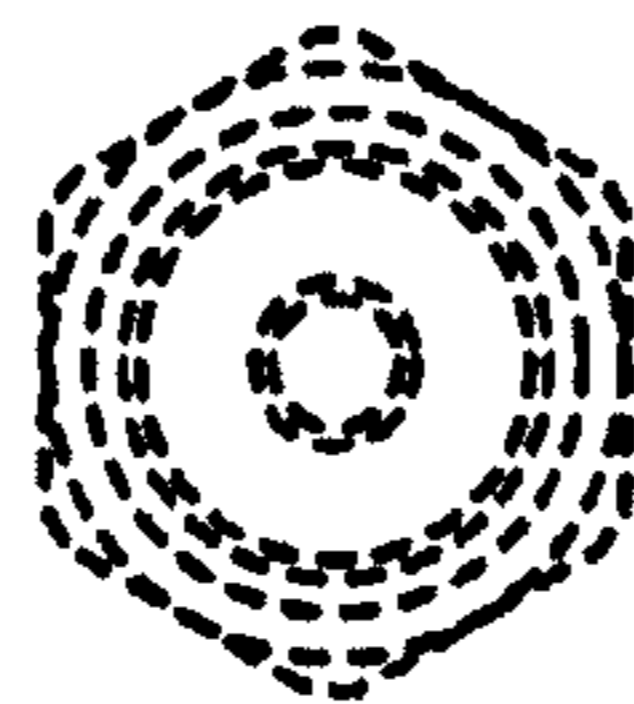


Fig. 4

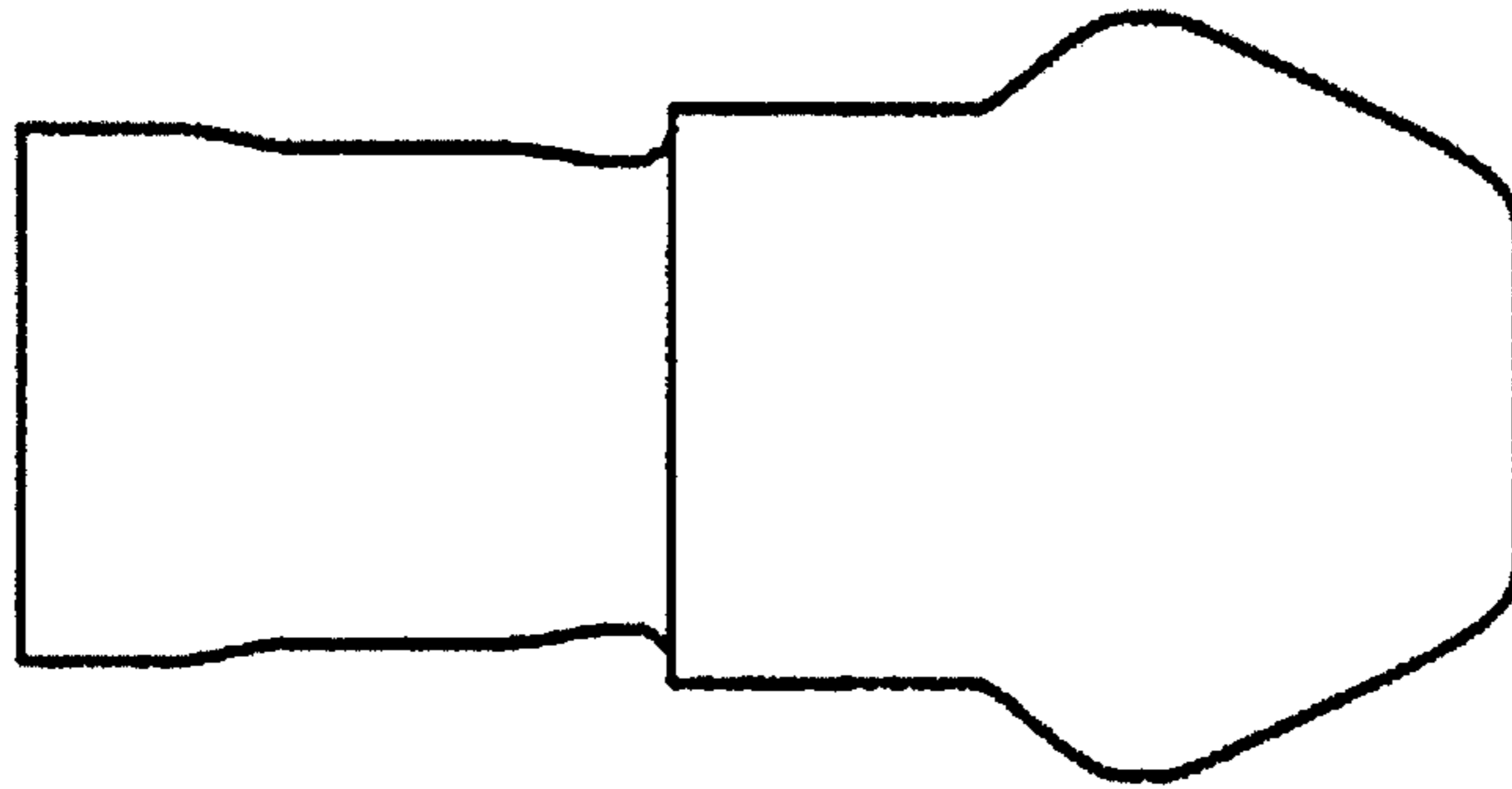


Fig. 5

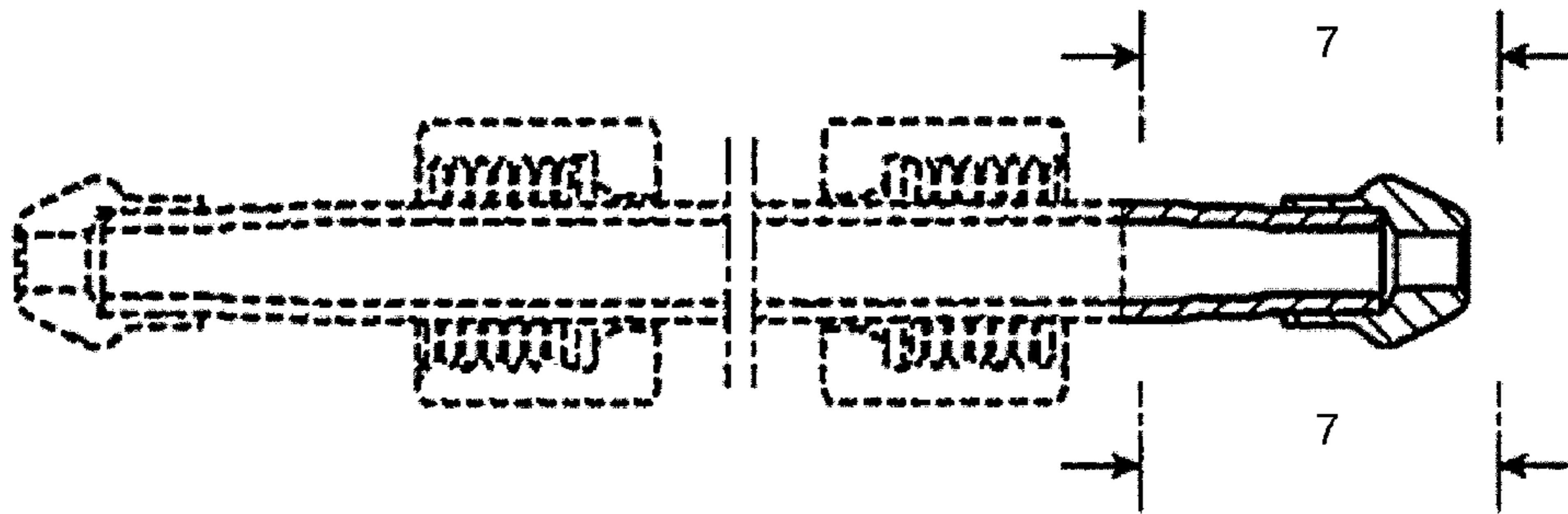


Fig. 6

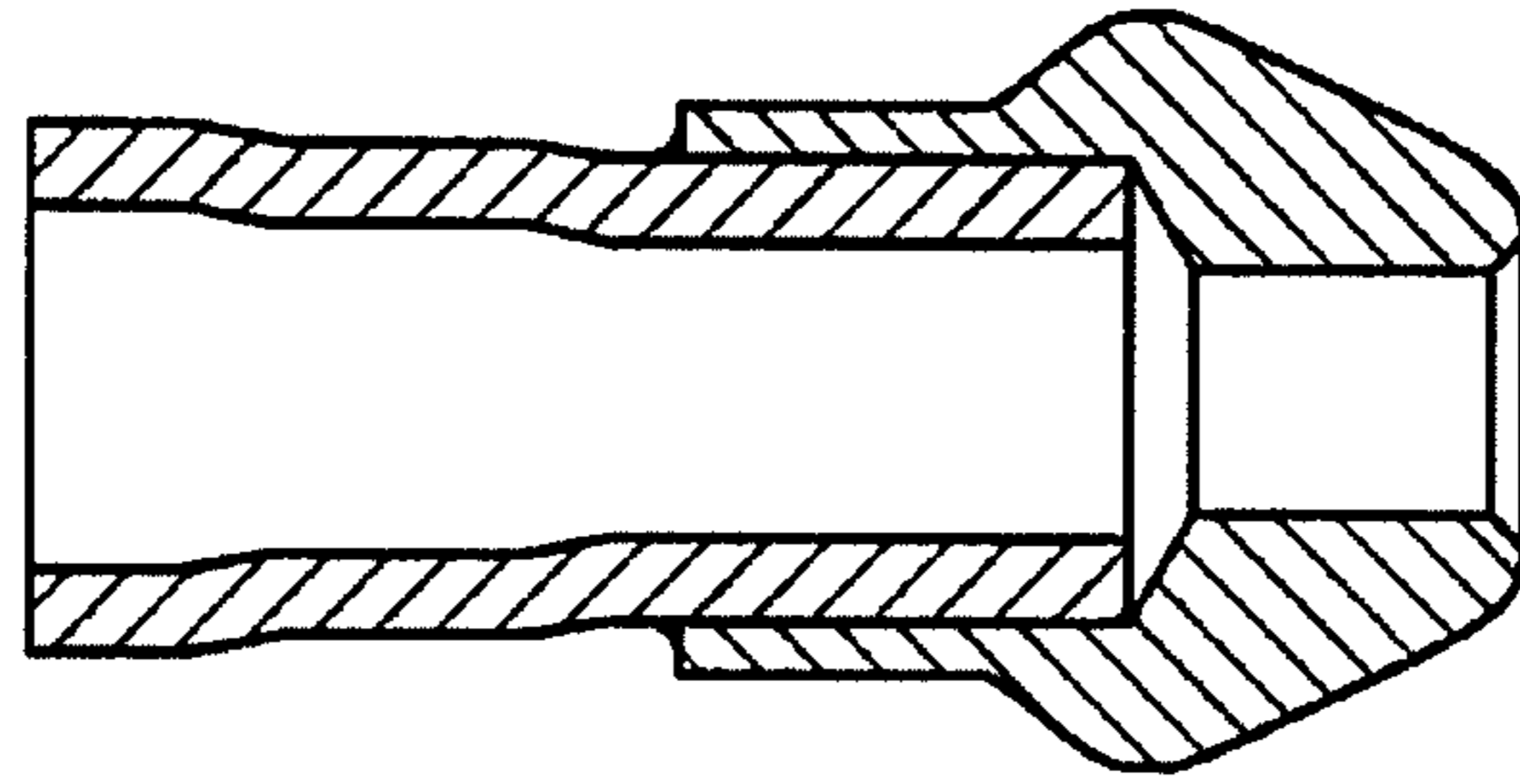


Fig. 7

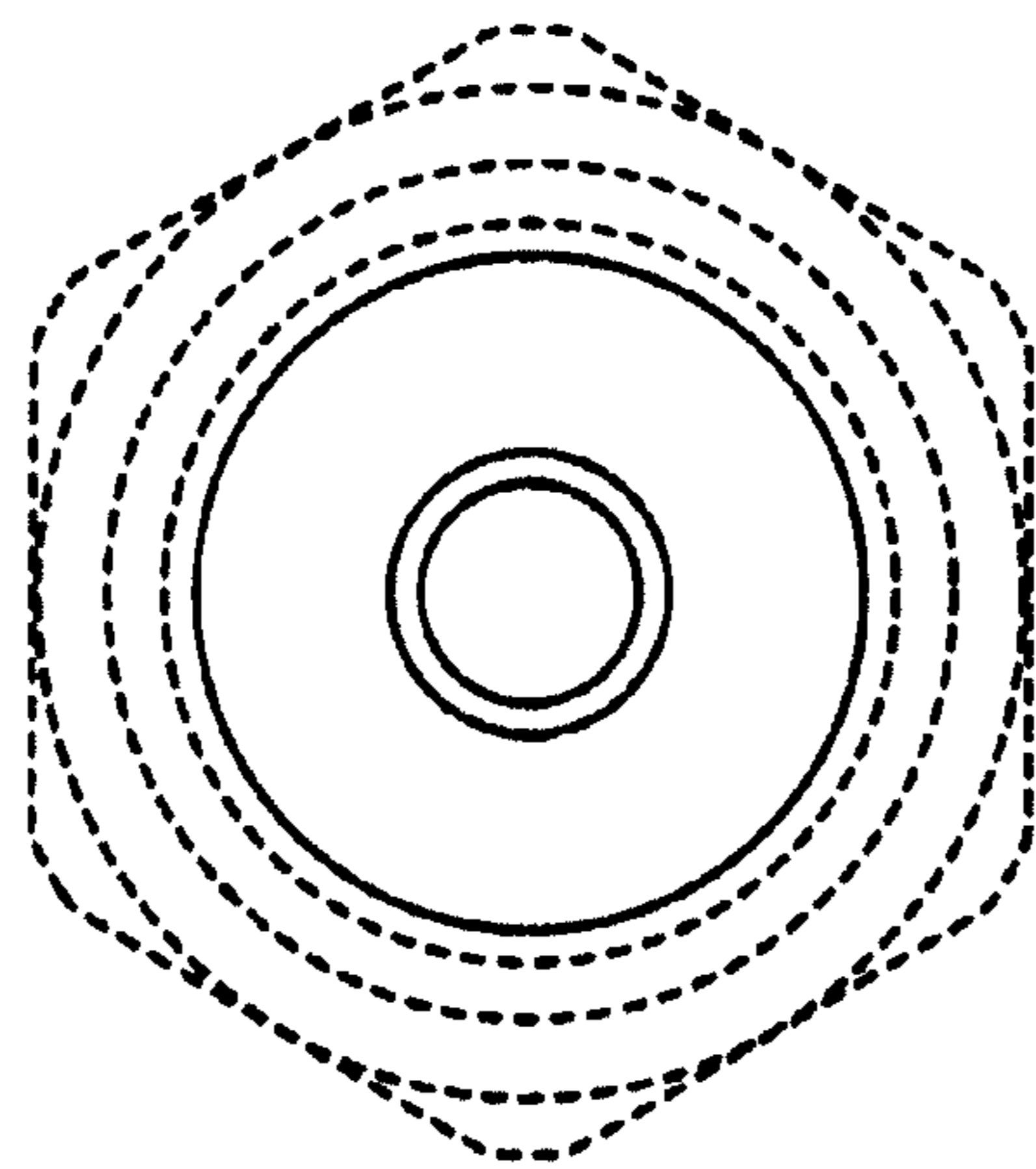


Fig. 8

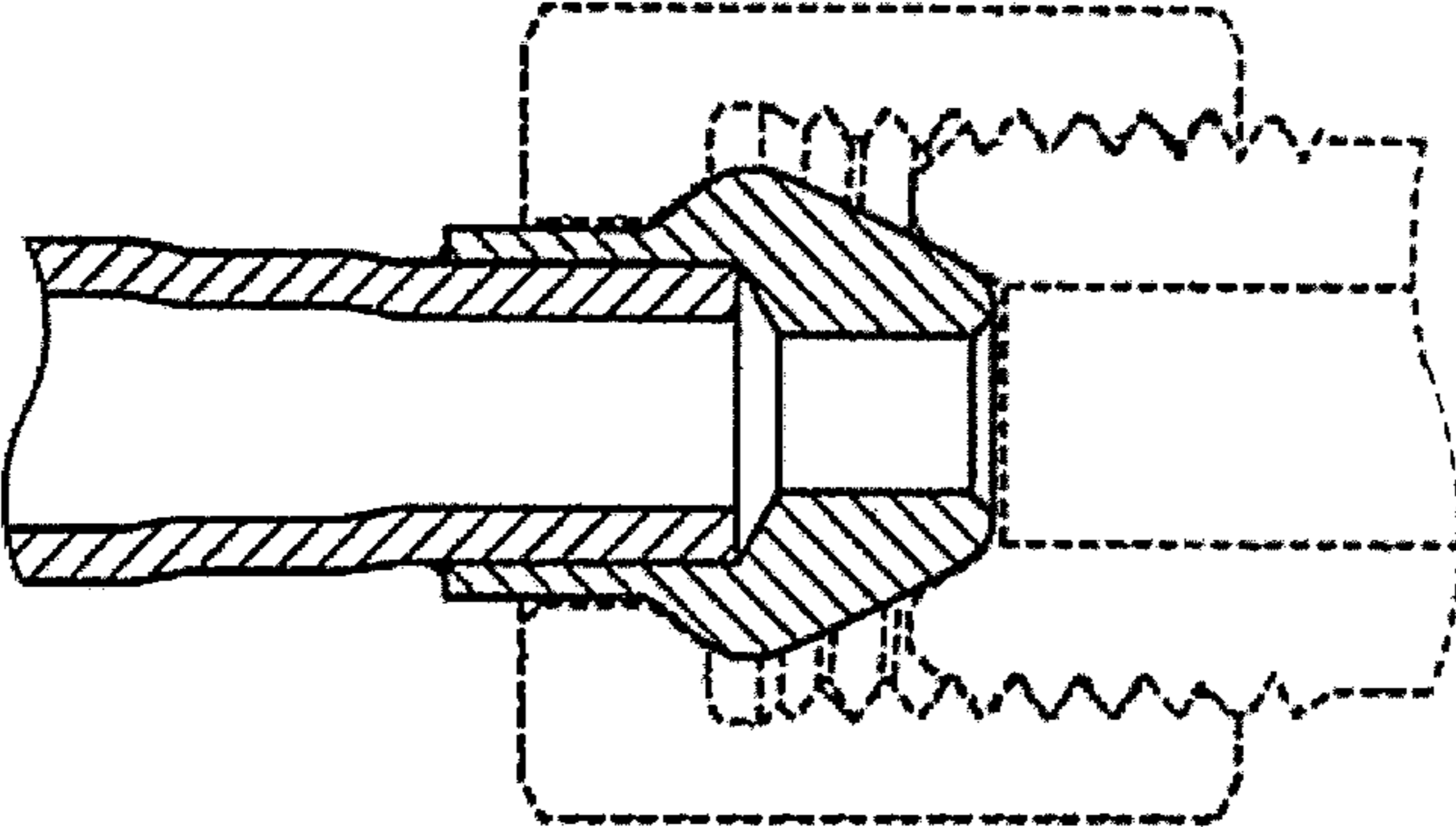


Fig. 9

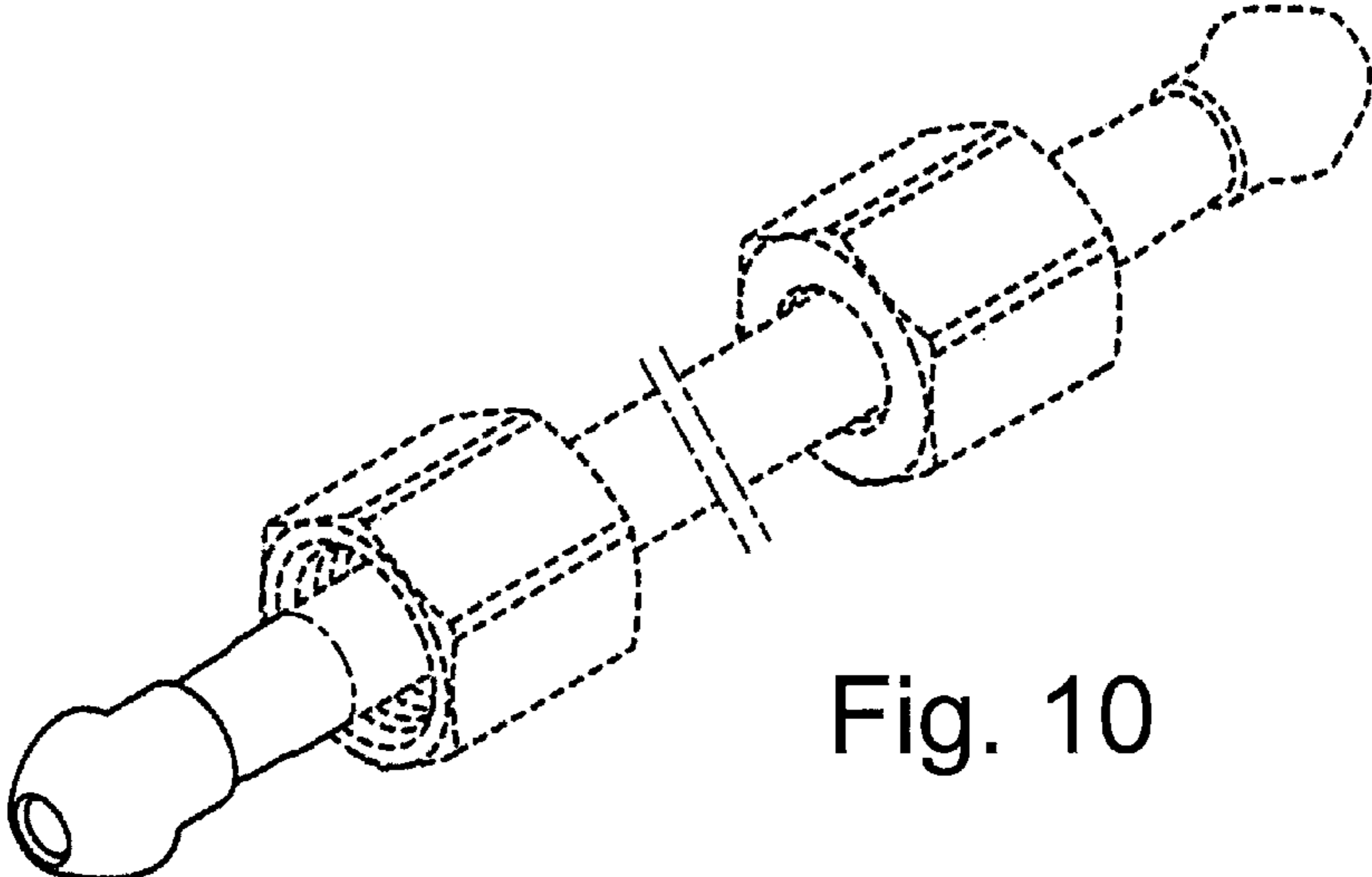


Fig. 10

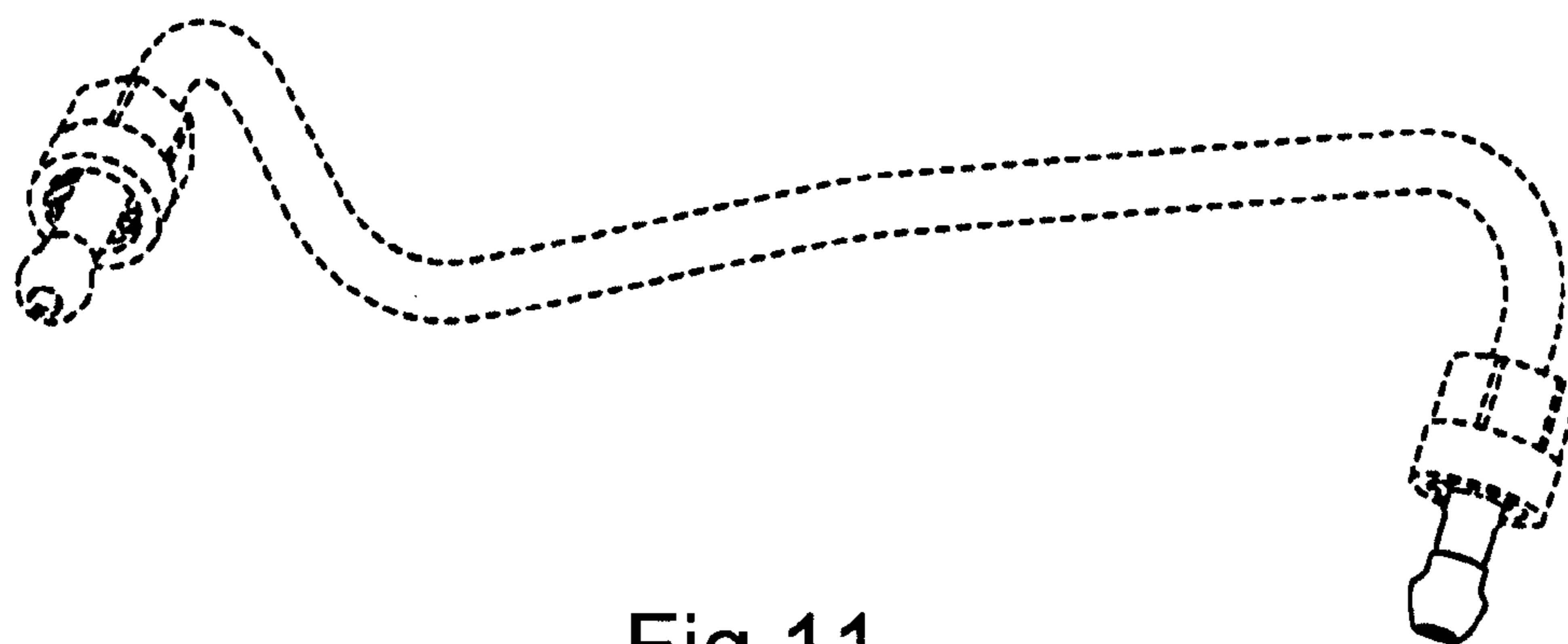


Fig. 11

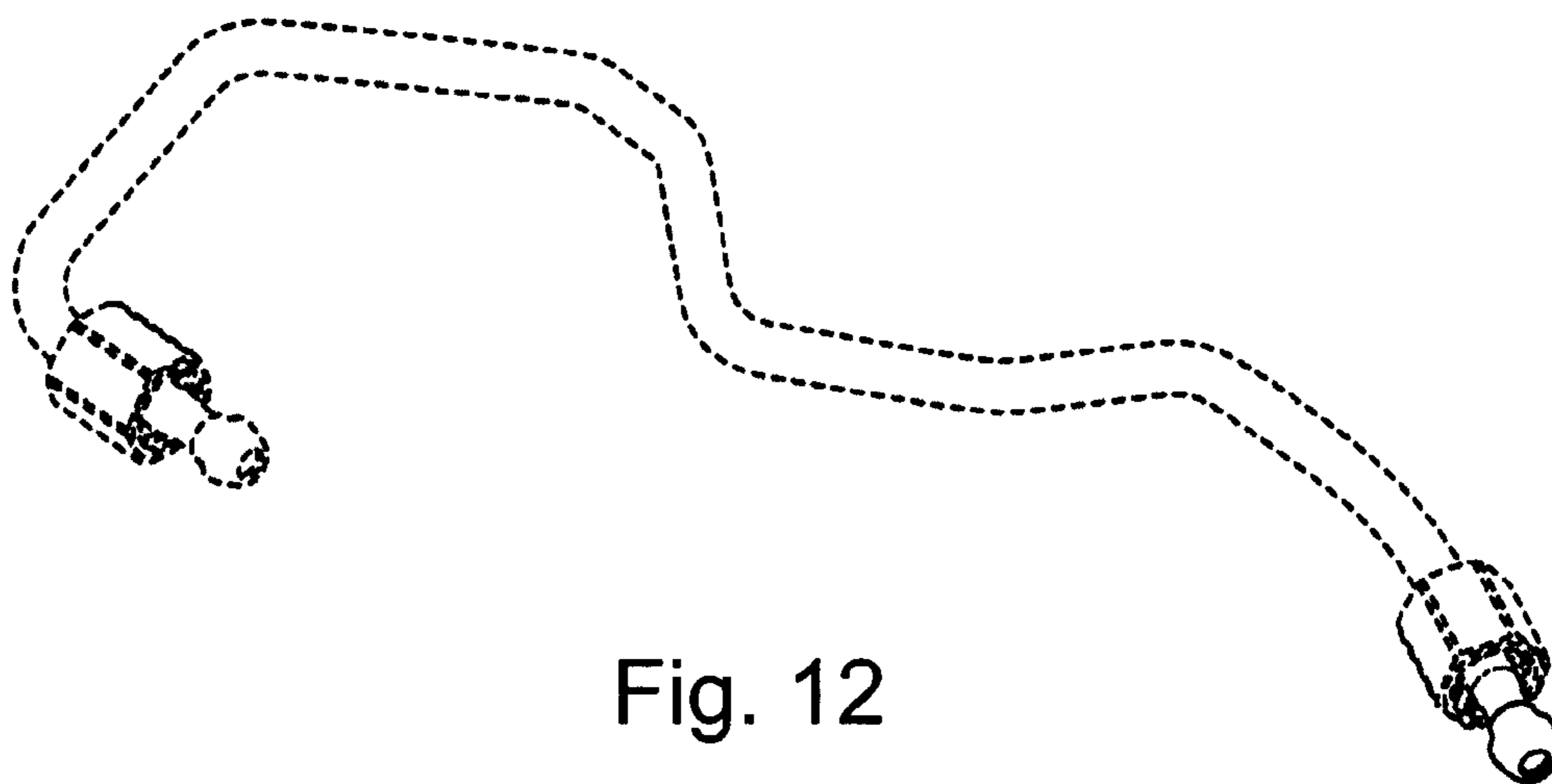


Fig. 12

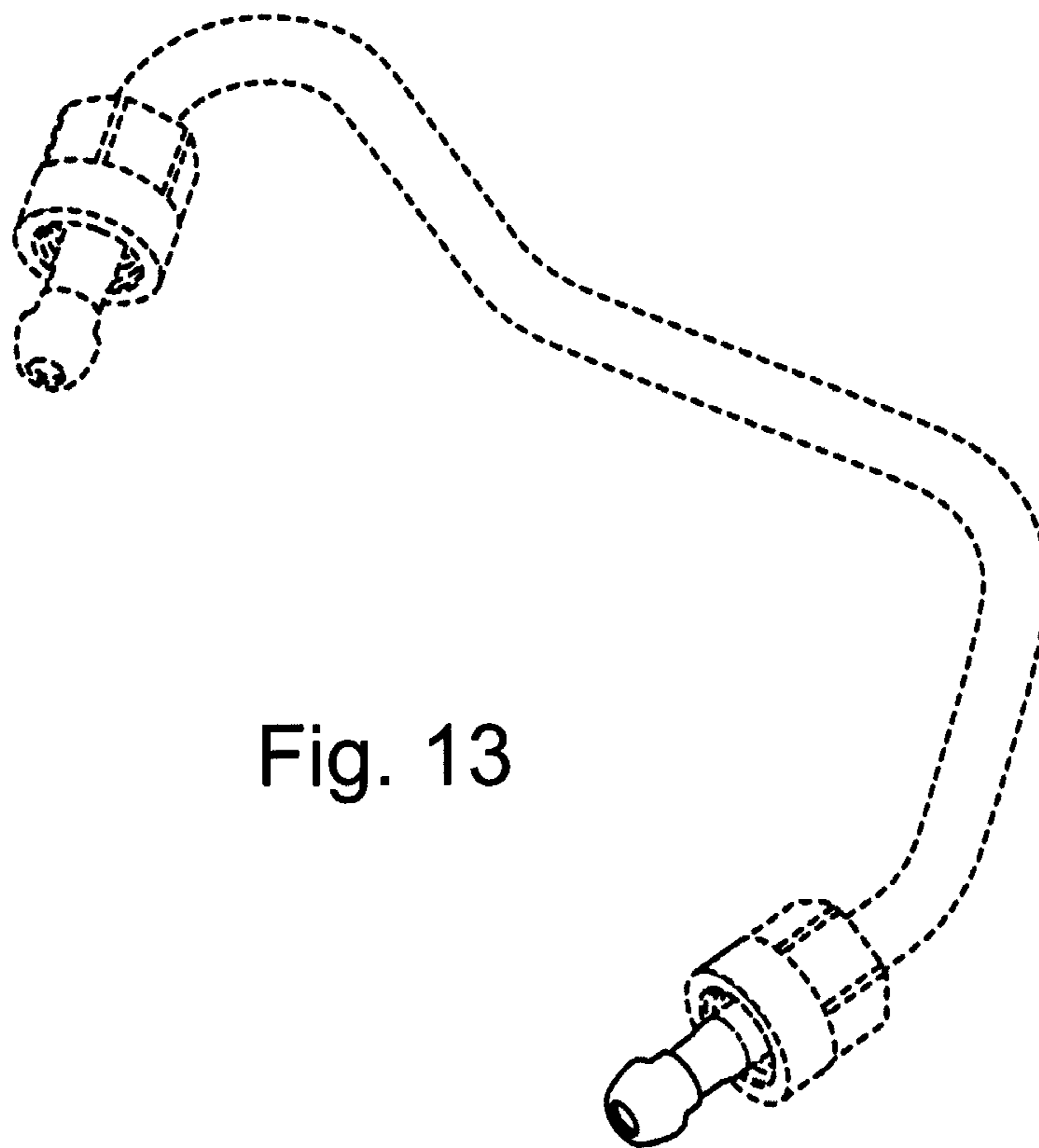


Fig. 13

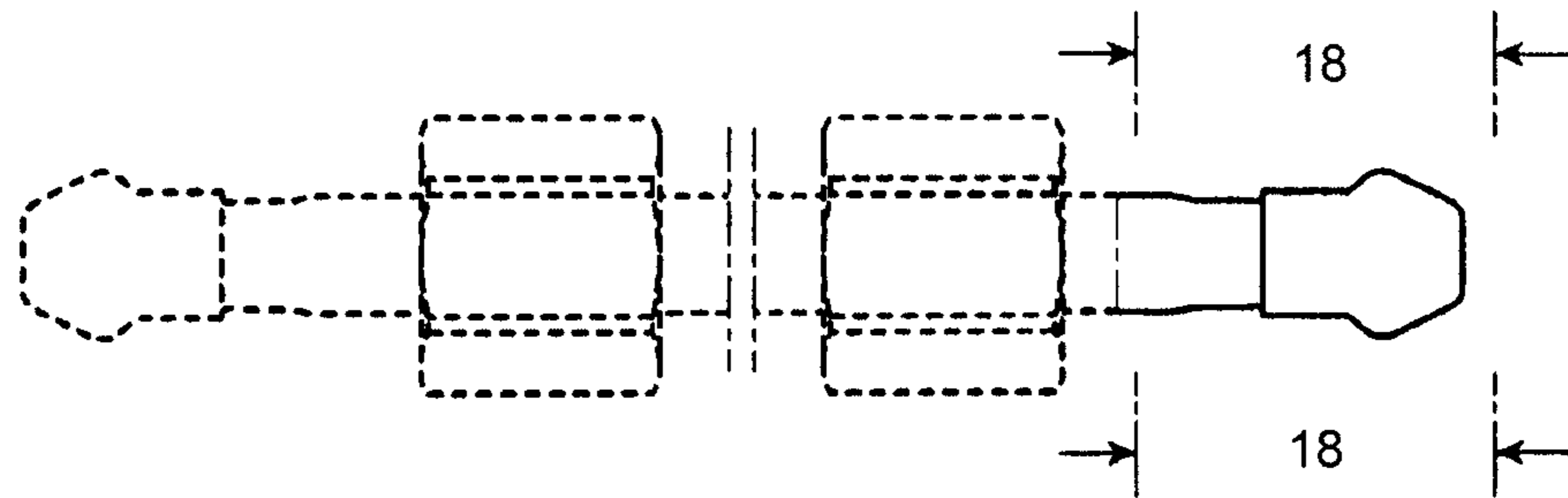


Fig. 14

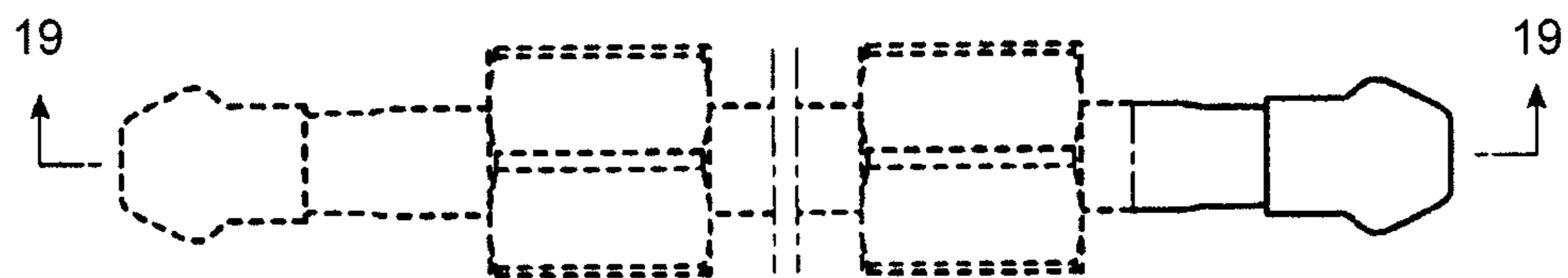


Fig. 15

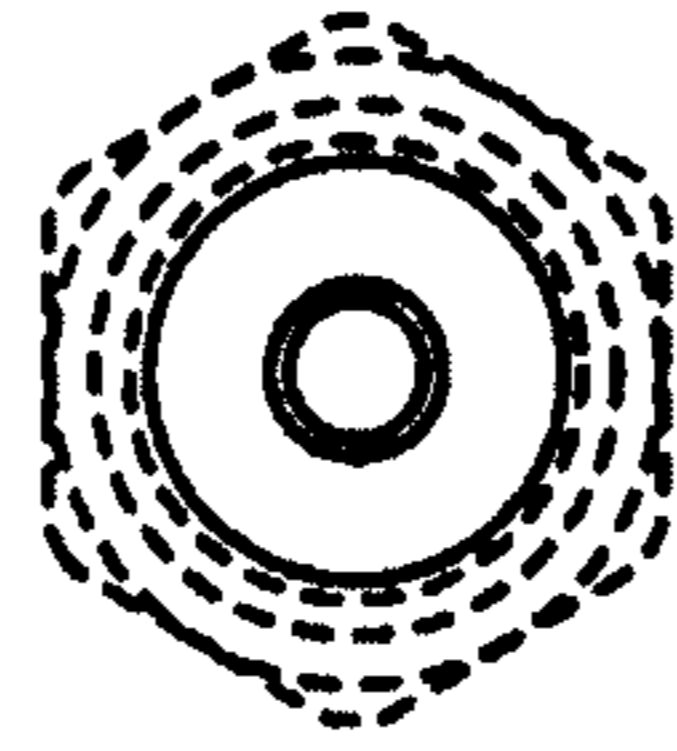


Fig. 16

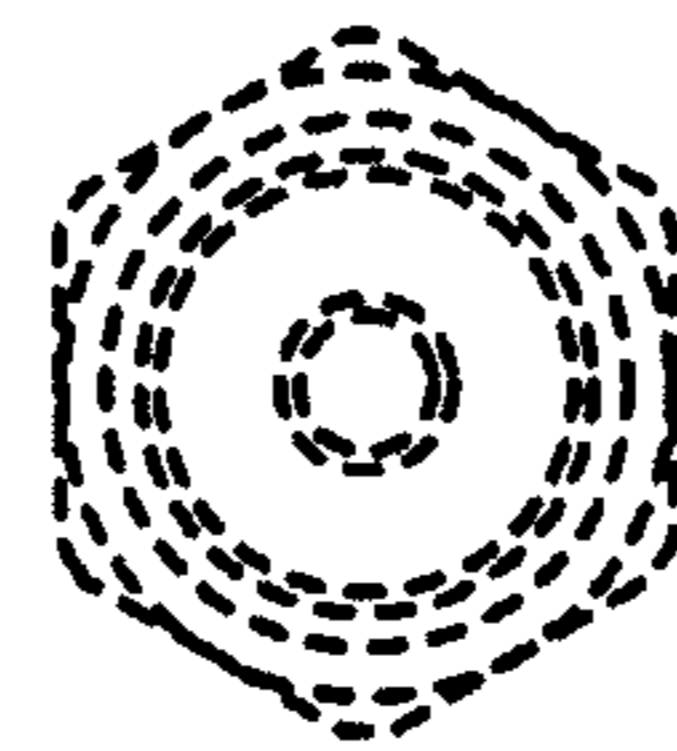


Fig. 17

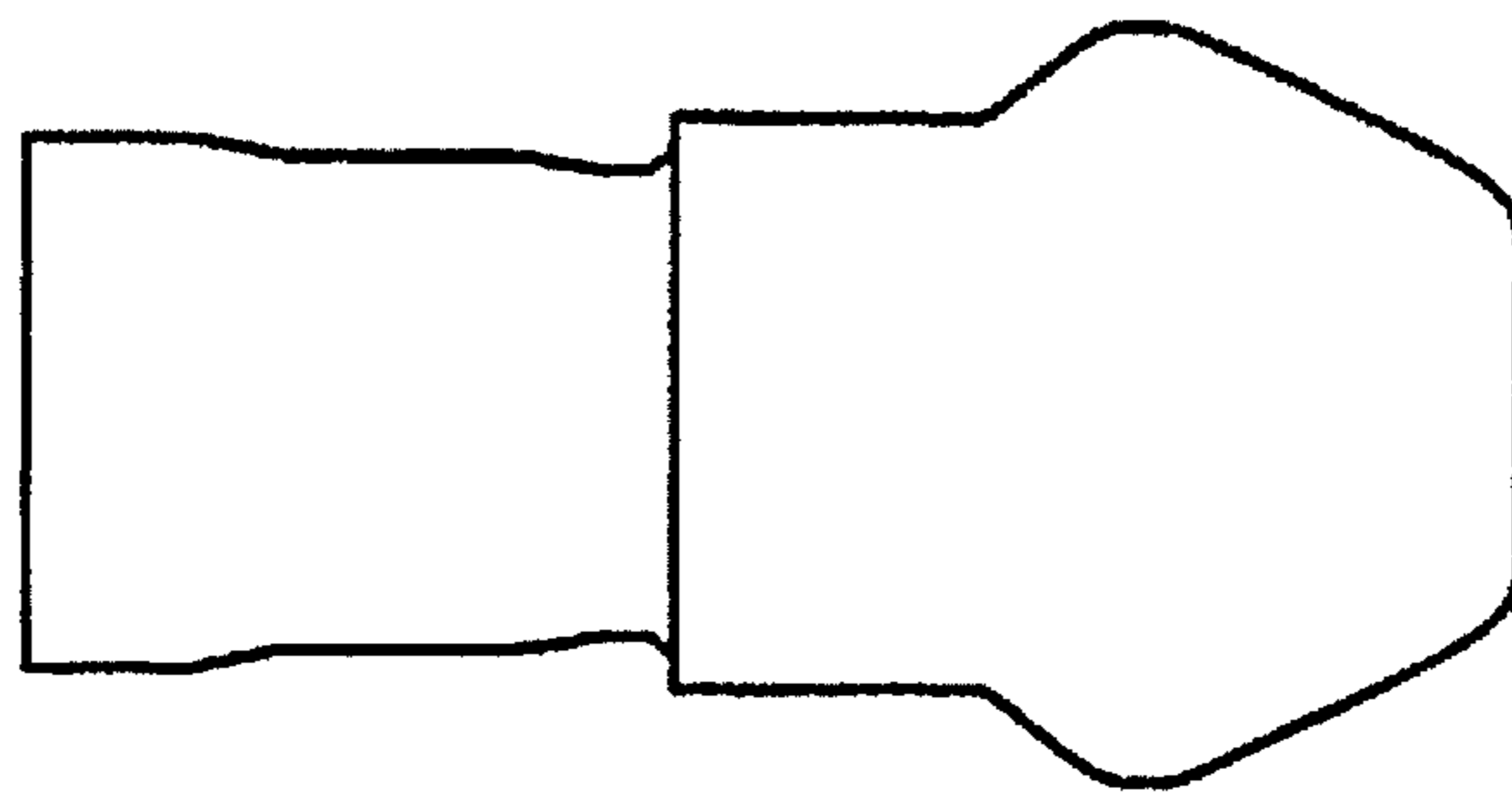


Fig. 18

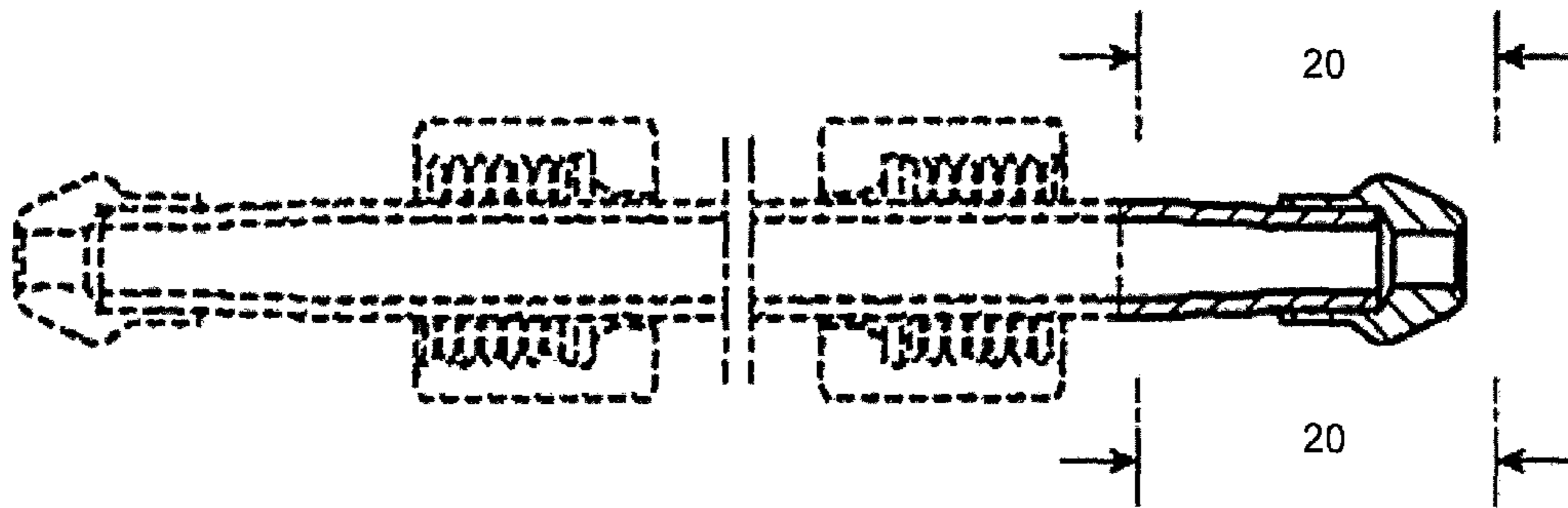


Fig. 19

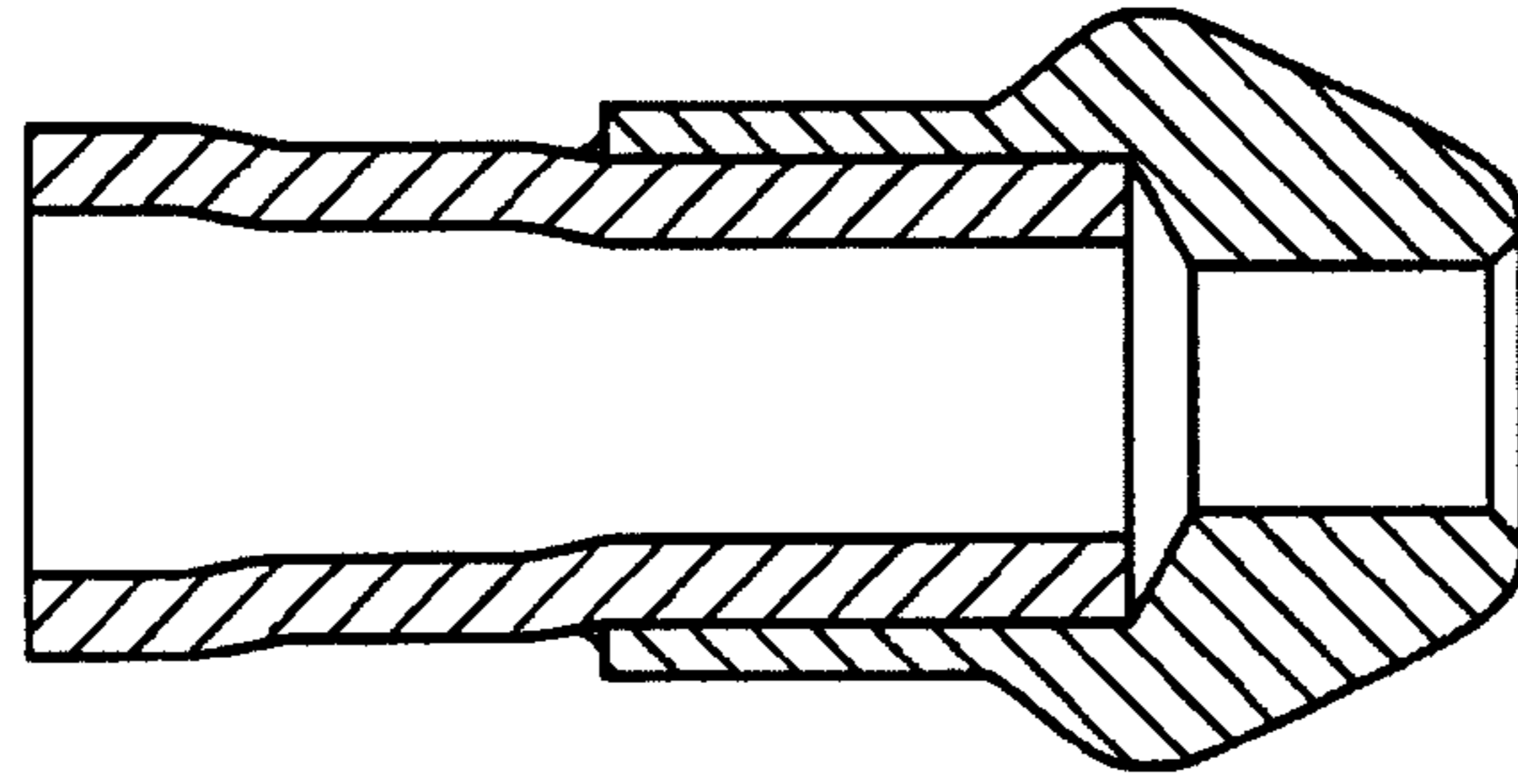


Fig. 20

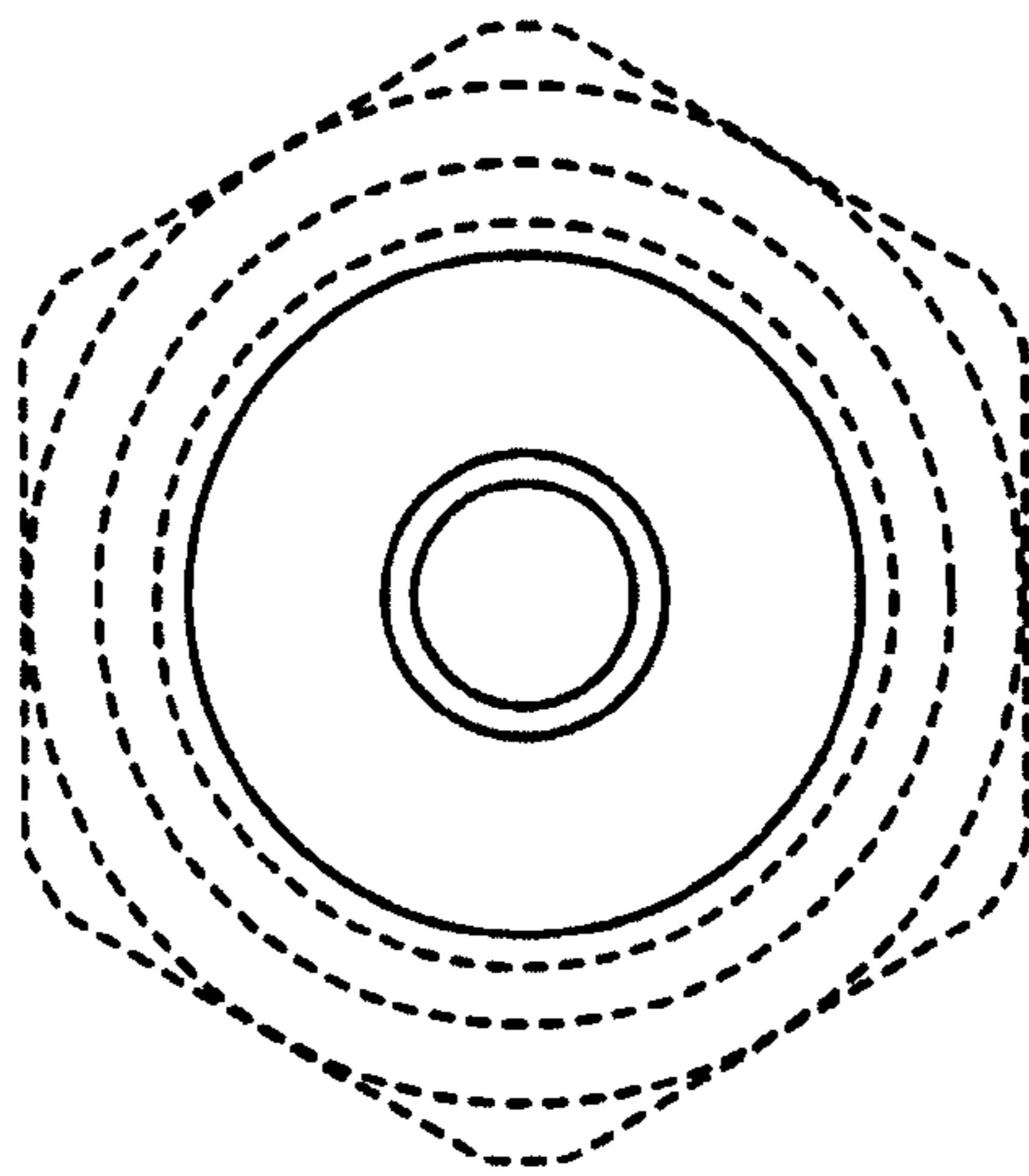


Fig. 21

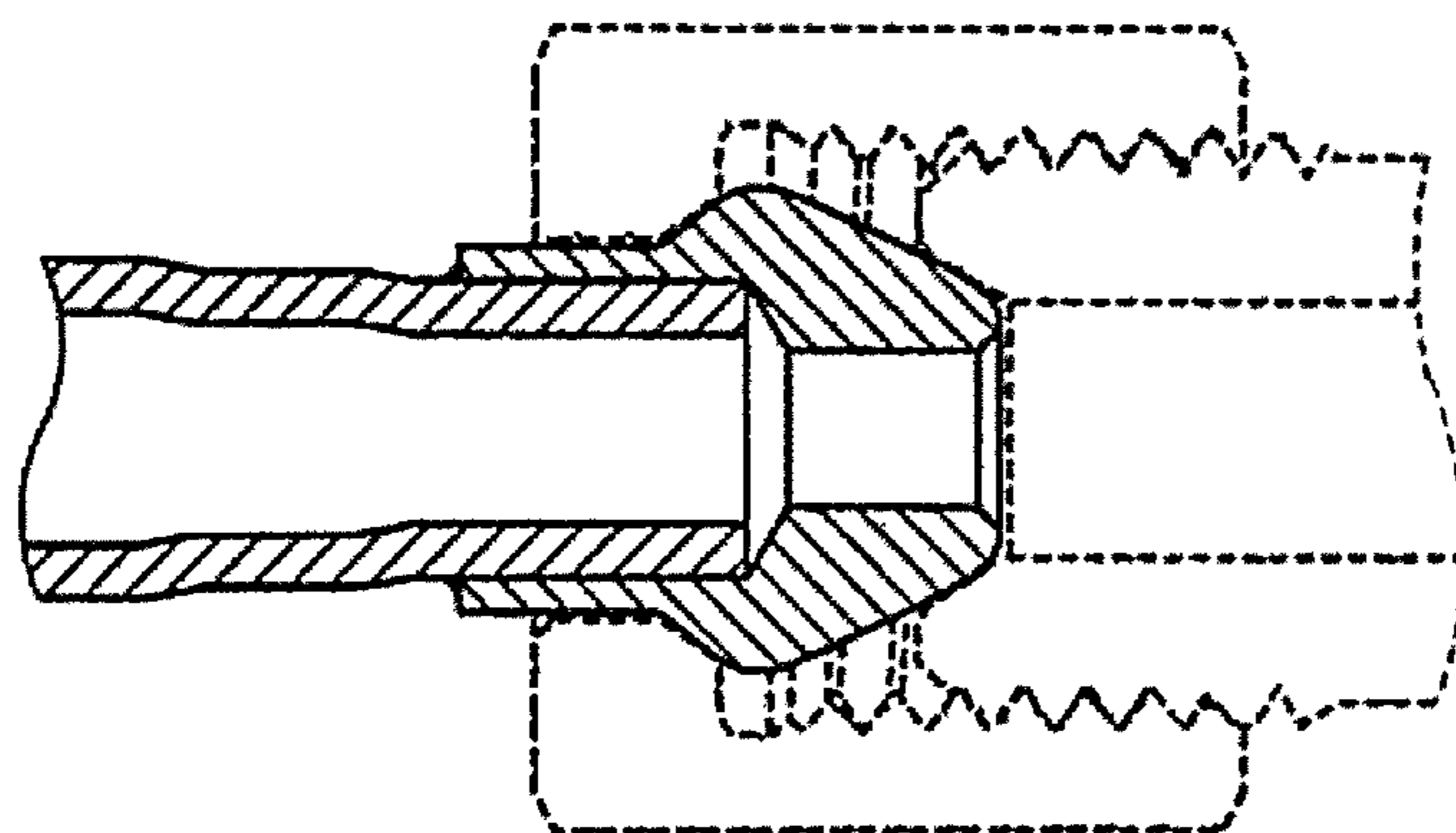


Fig. 22

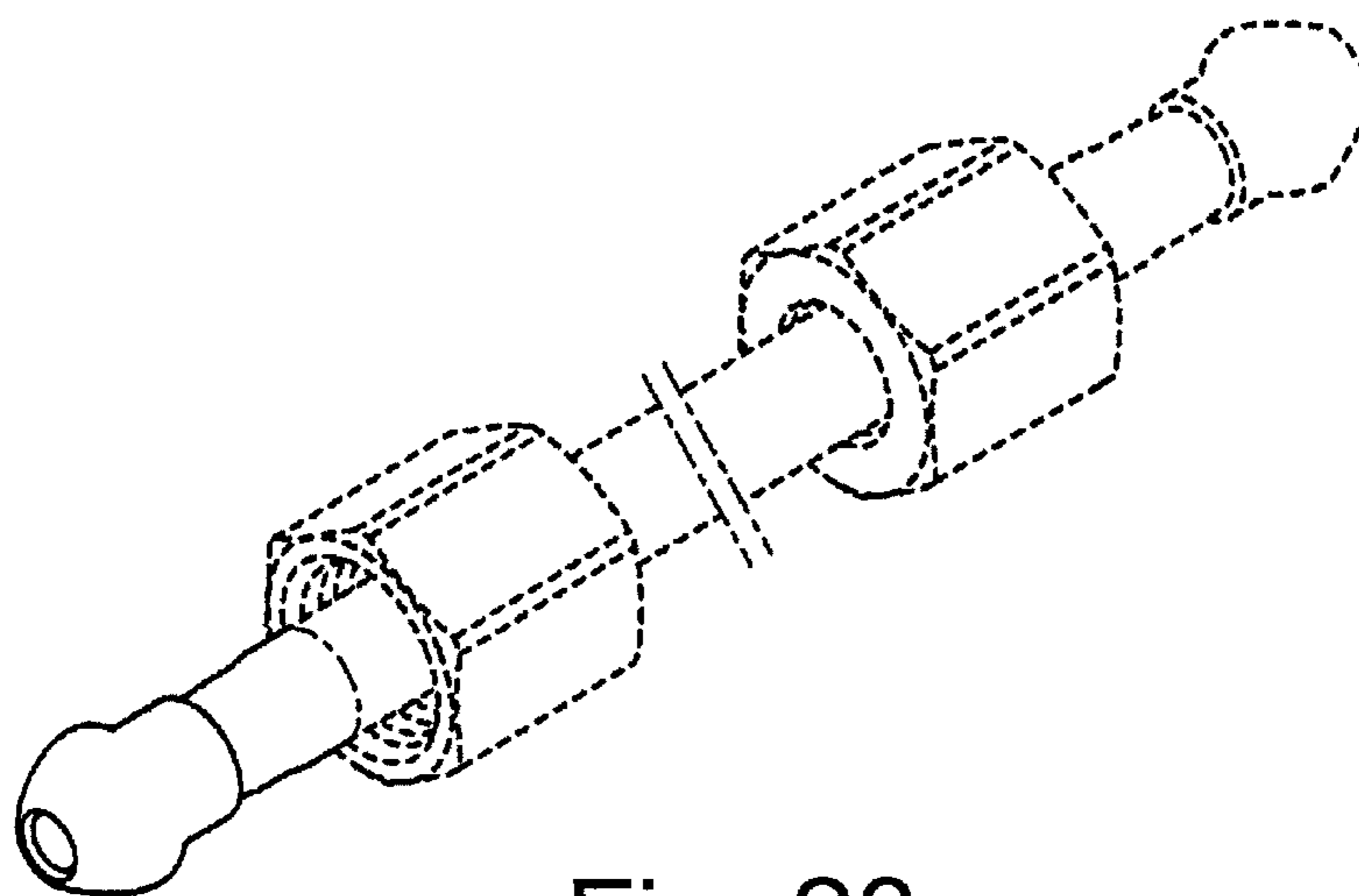


Fig. 23

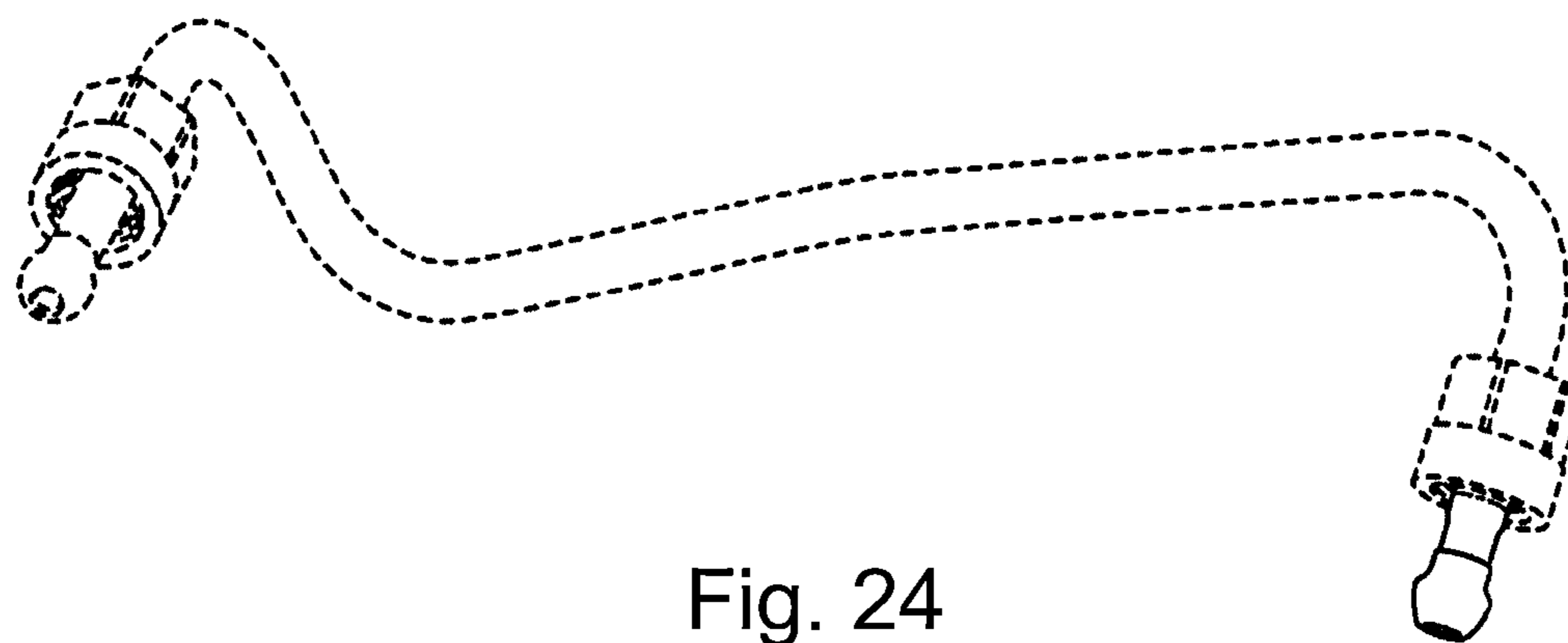


Fig. 24

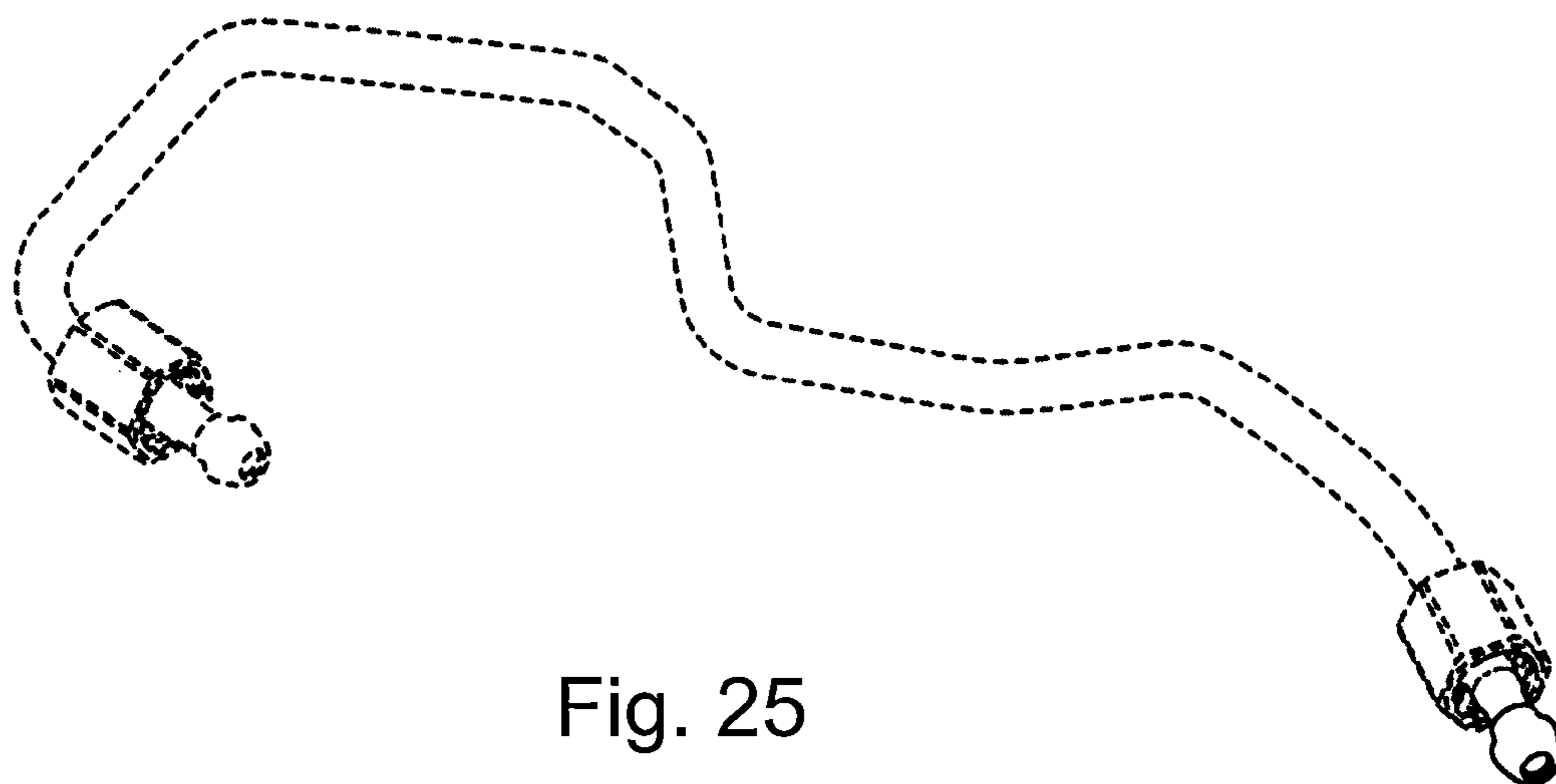


Fig. 25

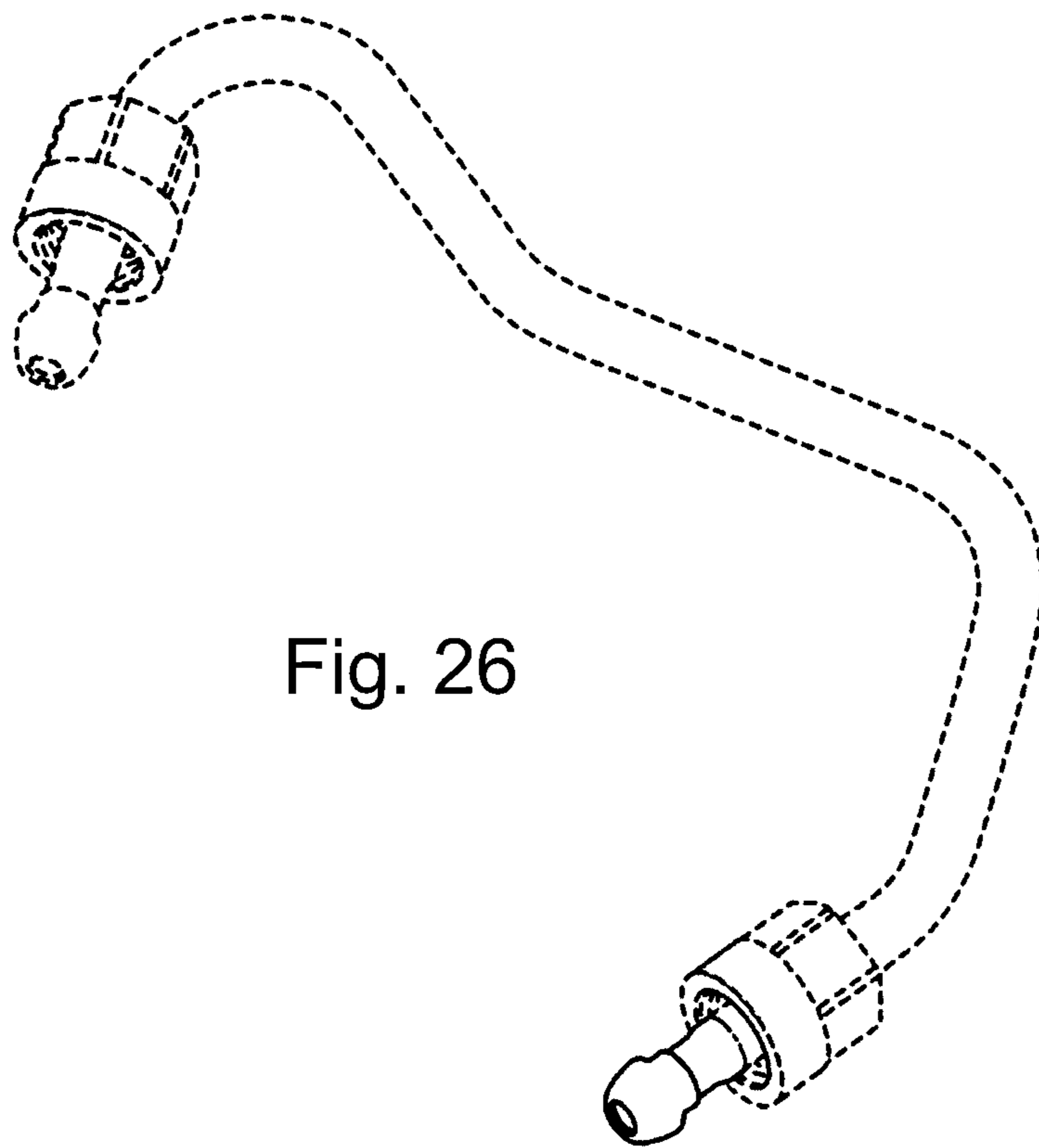


Fig. 26