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

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(54) **SHALE DRILL PIPE**

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- (\*\*) Term: **14 Years**

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(52) **U.S. Cl.**  
USPC ..... **D23/266**

(58) **Field of Classification Search**  
USPC ..... D23/229, 259, 262, 263, 266; D24/129;  
D13/155; 138/103, 105, 109, 118,  
138/118.1, 121, 122, 126, 128, 140, 154,  
138/155, 157, 158, 167, 173, 177; 285/58,  
285/83, 124.1, 124.5, 179, 179.1  
See application file for complete search history.

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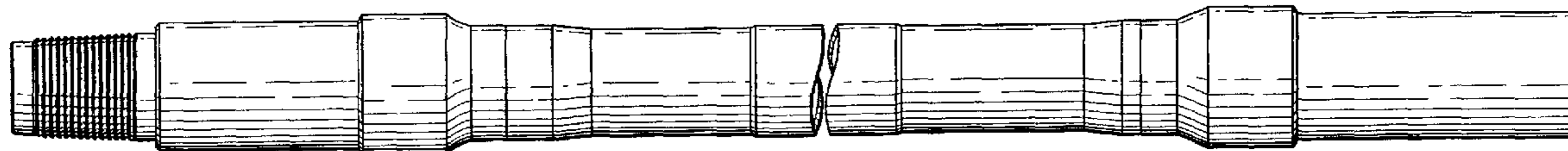
(57) **CLAIM**

The ornamental design for a shale drill pipe, as shown and described.

**DESCRIPTION**

FIG. 1 is a front, top, and left side perspective view of a first embodiment of a shale drill pipe;  
 FIG. 2 is a rear, top, and right side perspective view thereof;  
 FIG. 3 is a right side elevational view thereof;  
 FIG. 4 is a left side elevational view thereof;  
 FIG. 5 is a top elevational view thereof;  
 FIG. 6 is a bottom elevational view thereof;  
 FIG. 7 is a front plan view thereof;  
 FIG. 8 is a rear plan view thereof;  
 FIG. 9 is a cross-sectional view thereof taken along line 9-9 in FIG. 3;  
 FIG. 10 is an enlarged portion of a cross-sectional view thereof from a section identified as 10 in FIG. 9;  
 FIG. 11 is a front, top, and left side perspective view of a second embodiment of a shale drill pipe;  
 FIG. 12 is a rear, top, and right side perspective view thereof;  
 FIG. 13 is a right side elevational view thereof;  
 FIG. 14 is a left side elevational view thereof;  
 FIG. 15 is a top elevational view thereof;  
 FIG. 16 is a bottom elevational view thereof;  
 FIG. 17 is a front plan view thereof;  
 FIG. 18 is a rear plan view thereof; and,  
 FIG. 19 is a cross-sectional view thereof taken along line 19-19 in FIG. 13.

**1 Claim, 11 Drawing Sheets**



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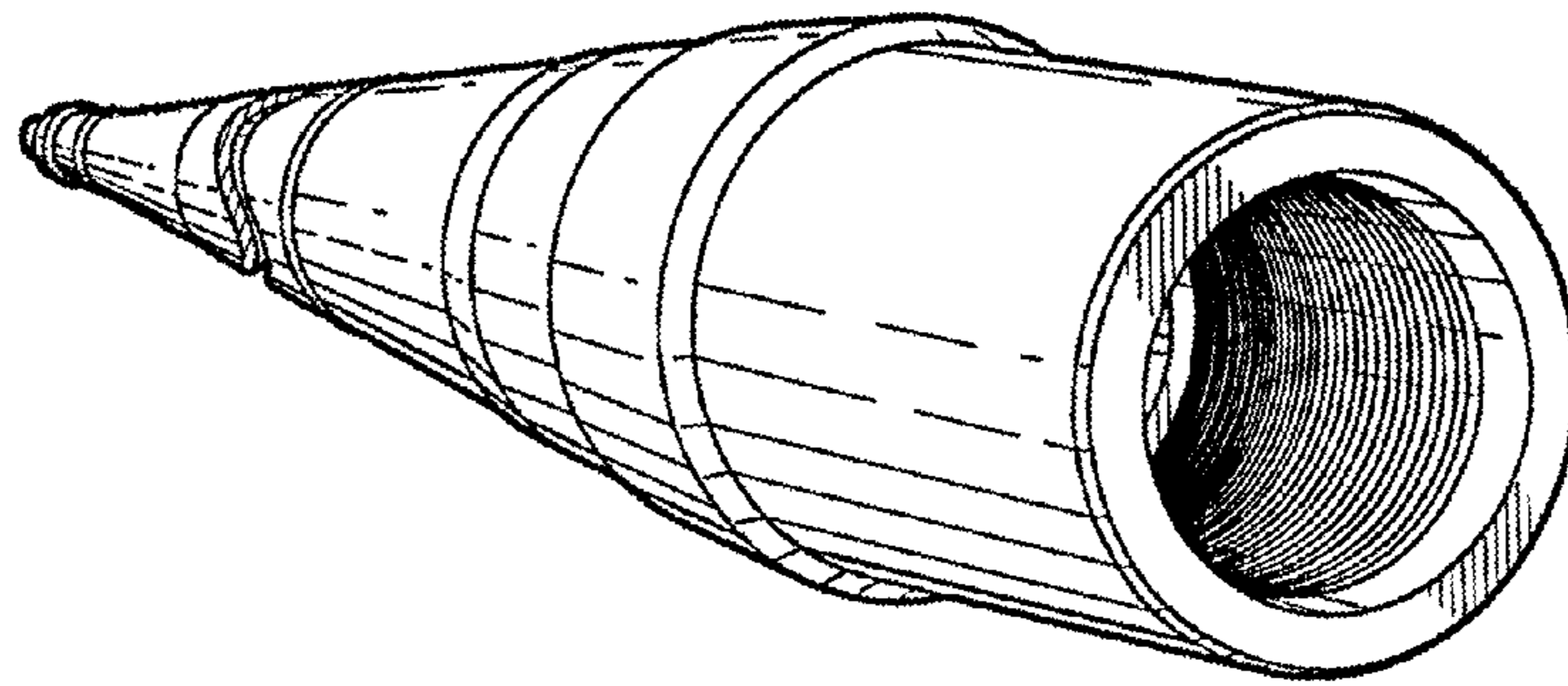
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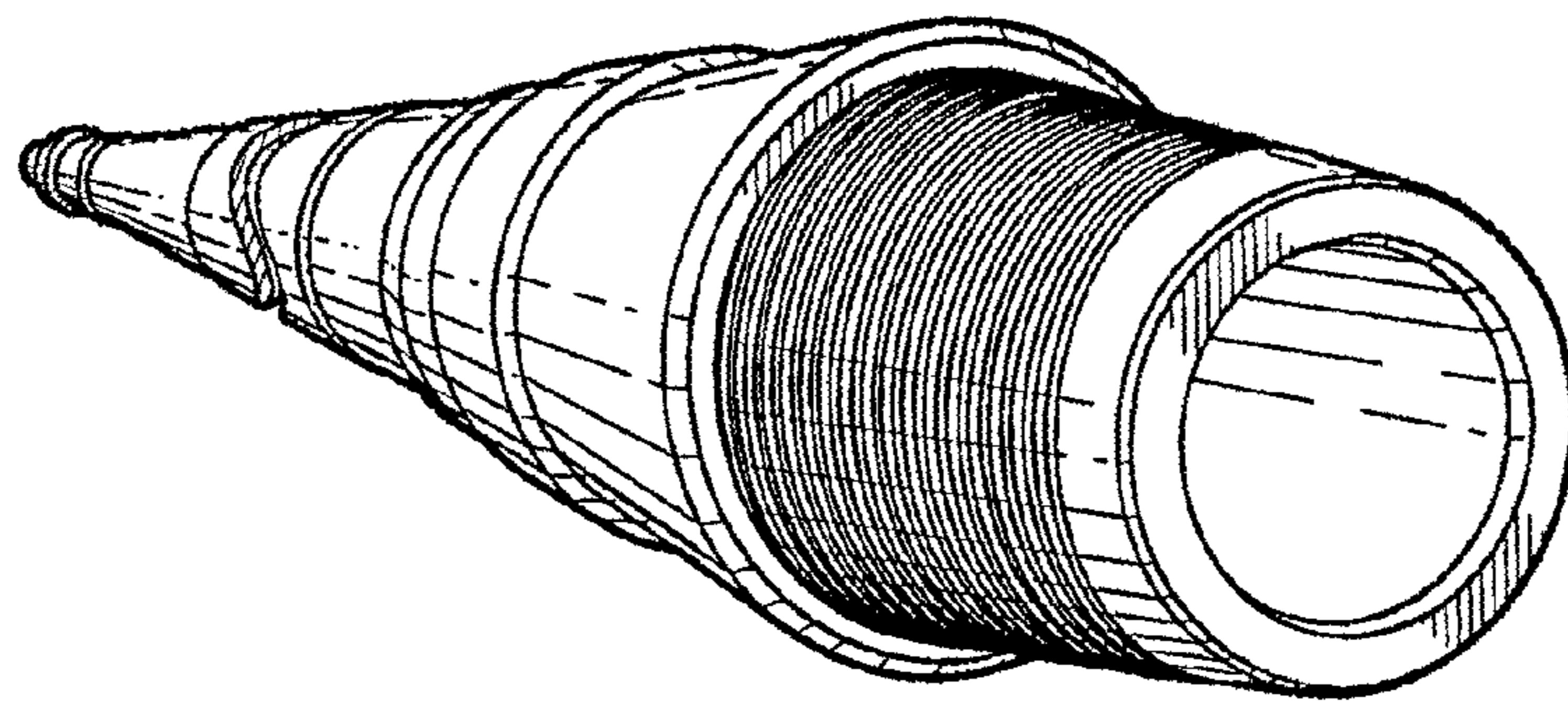
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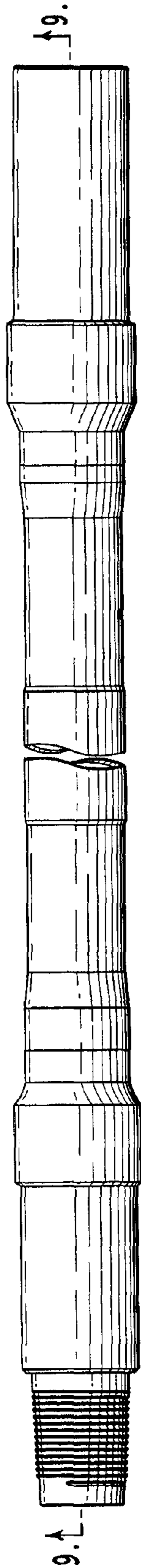
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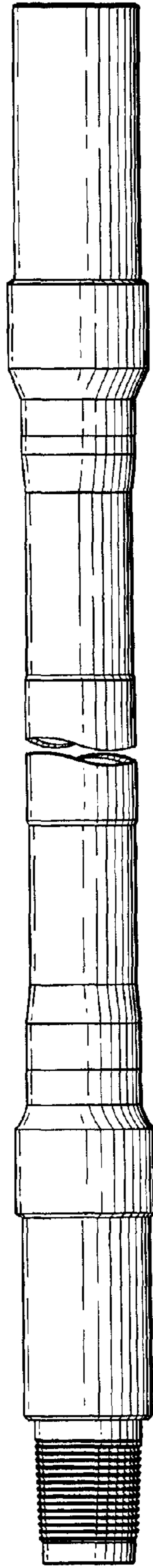
*Fig. 1*



*Fig. 2*

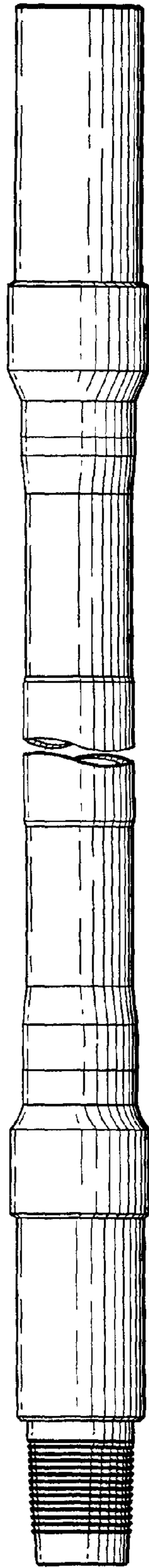


*Fig. 3*

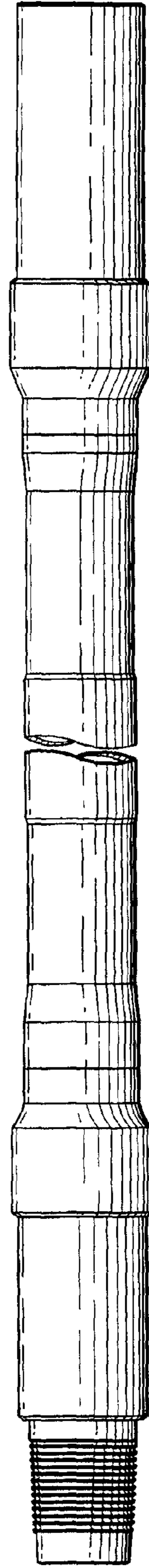


*Fig. 4*

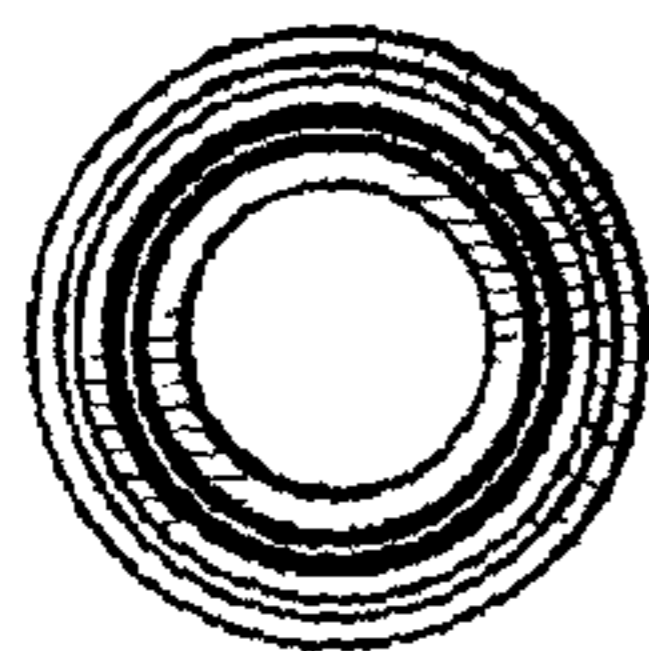




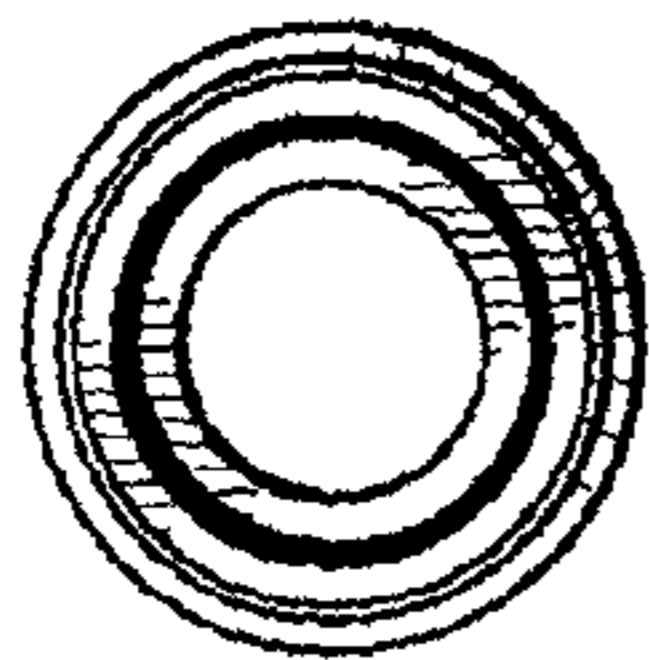
*Fig. 5*



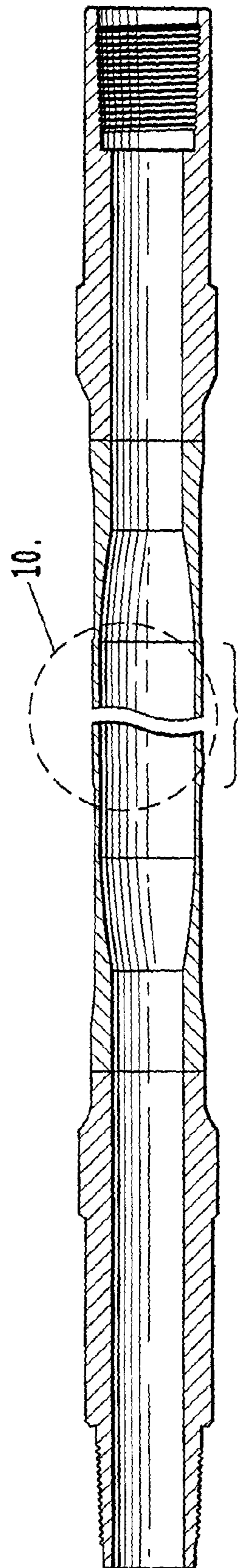
*Fig. 6*



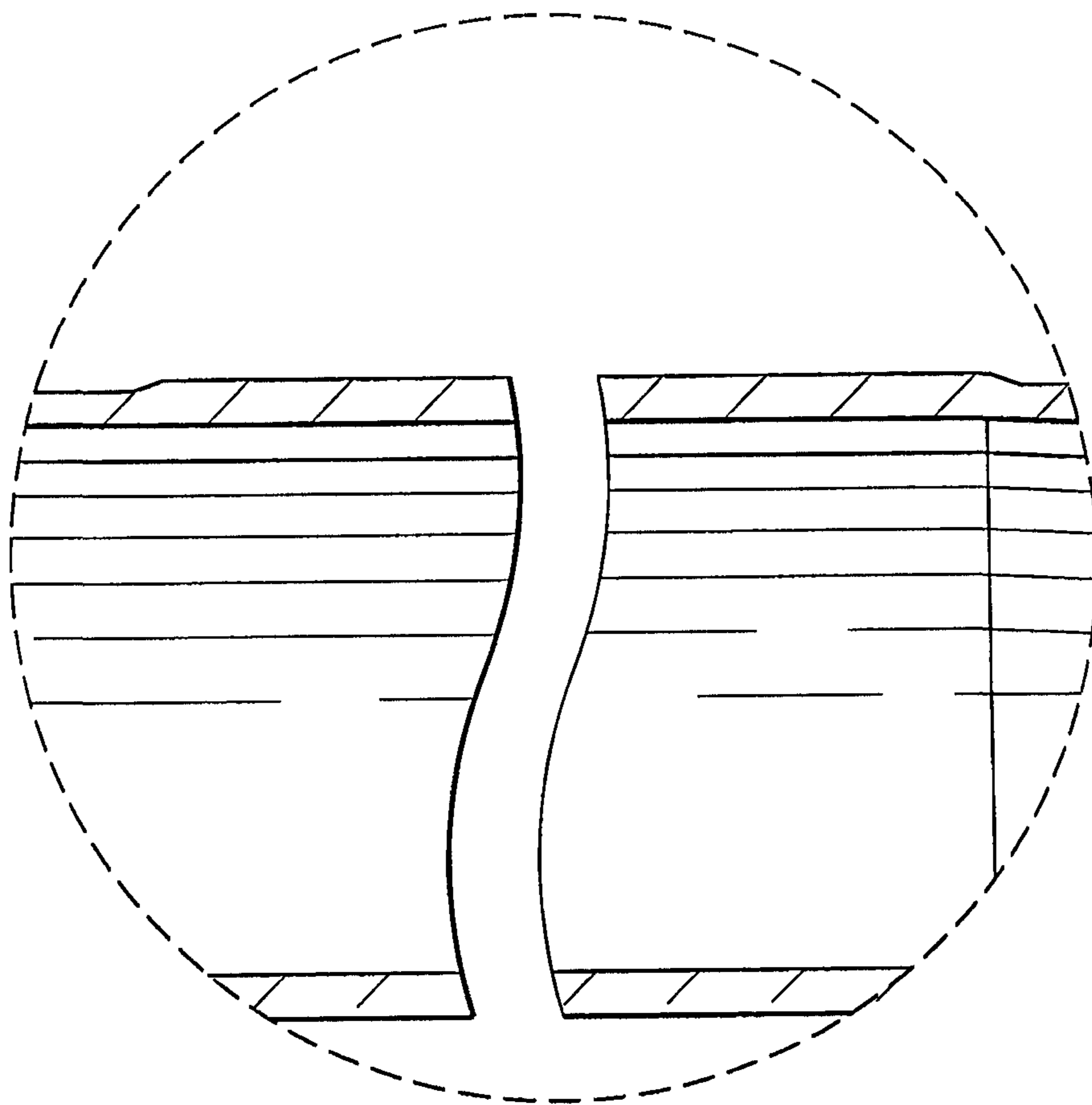
**Fig. 7**



**Fig. 8**

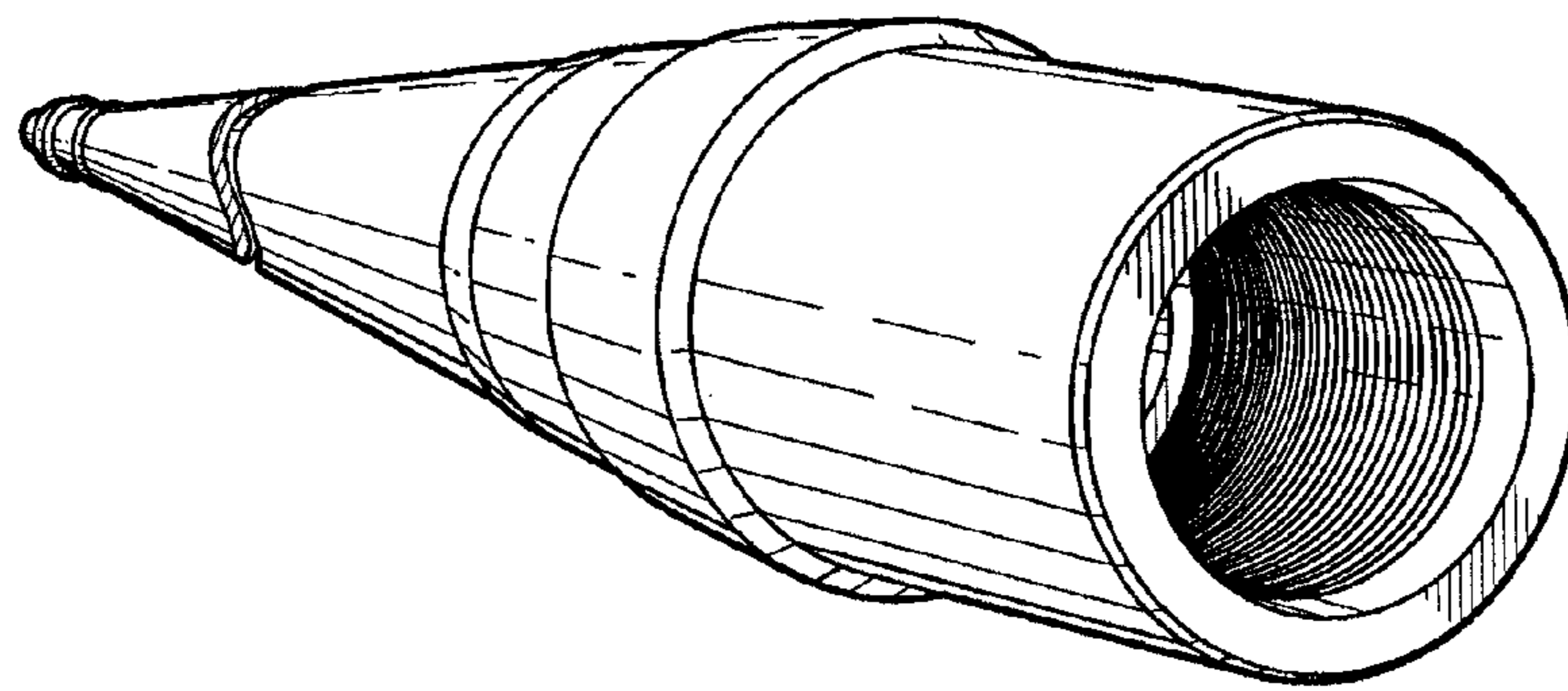


**Fig. 9**

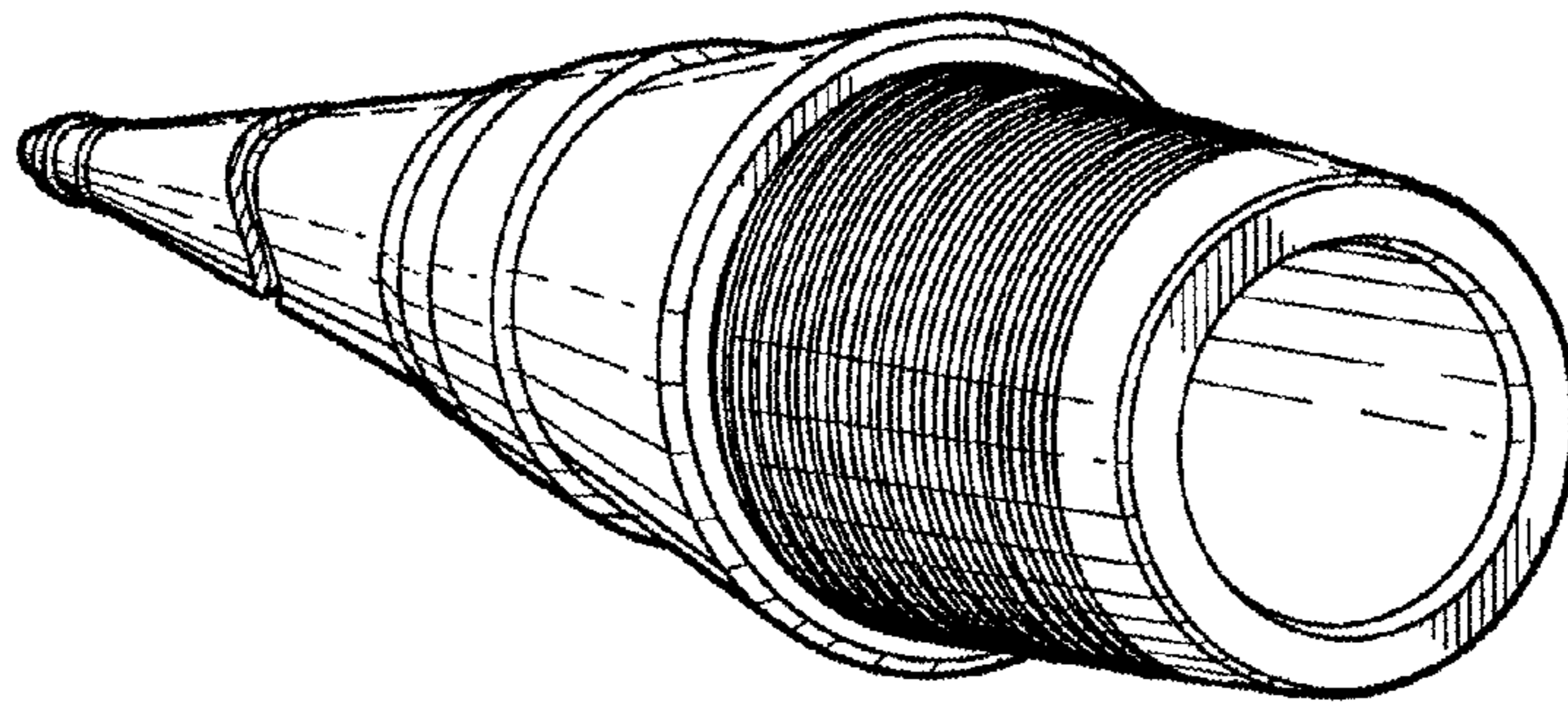


***Fig. 10***

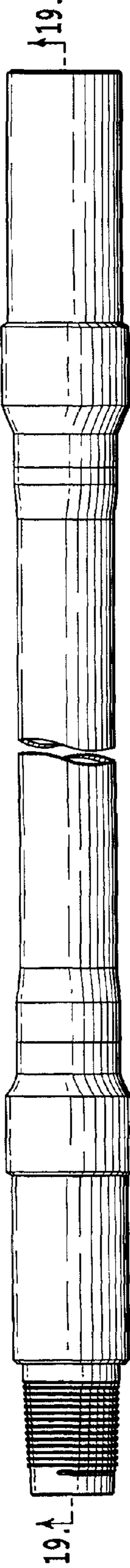




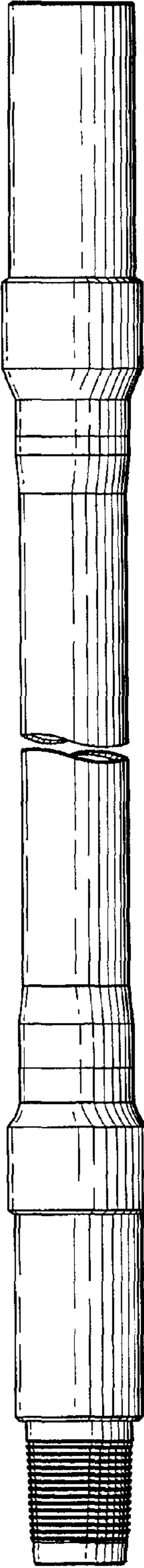
*Fig. 11*



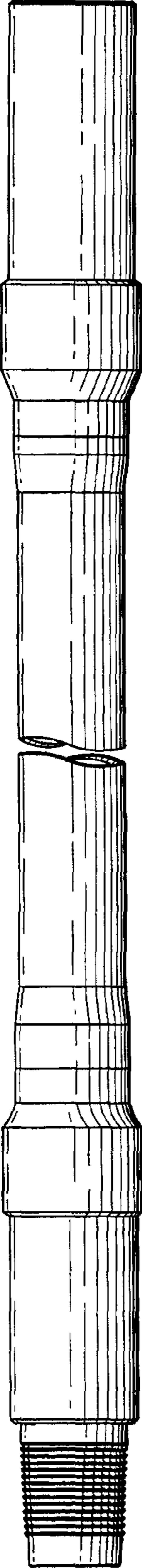
*Fig. 12*



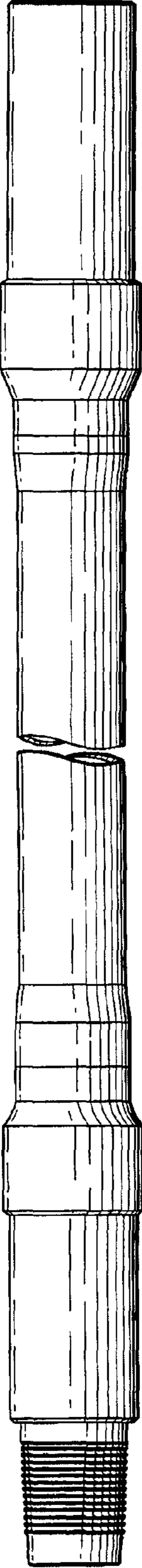
*Fig. 13*



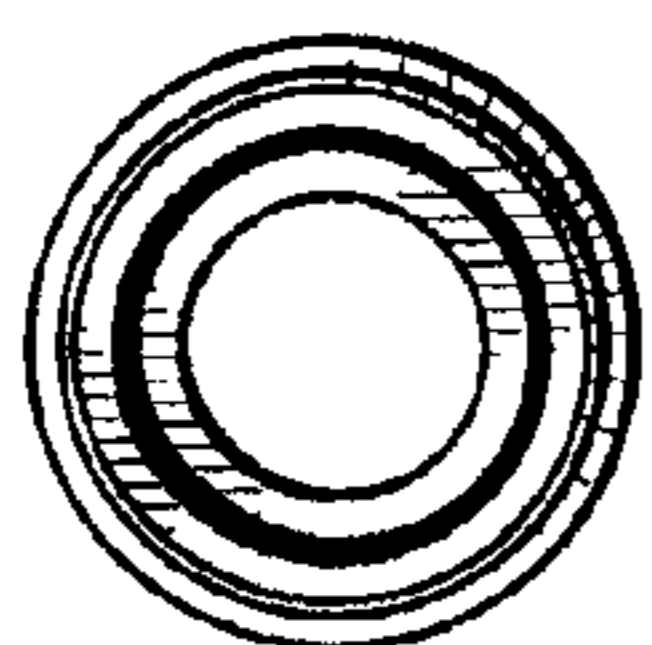
*Fig. 14*



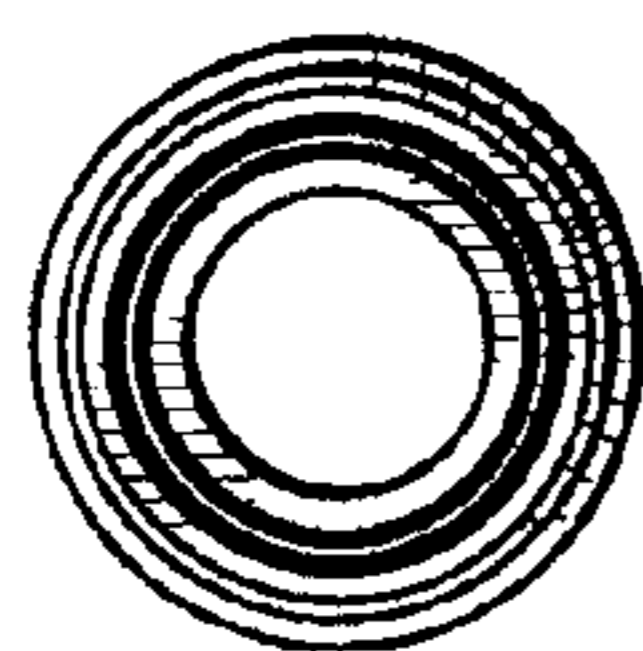
*Fig. 15*



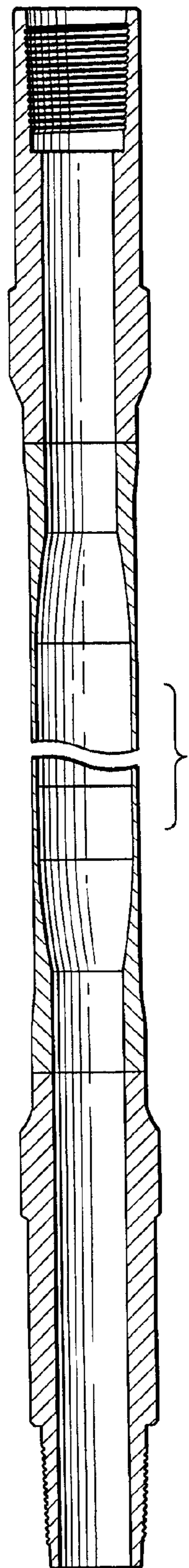
*Fig. 16*



*Fig. 17*



*Fig. 18*



*Fig. 19*