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United States Patent [19] Gray

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[54] COUPLING FLANGE FOR CONDUITS

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[**] Term: **14 Years**

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Related U.S. Application Data

[63] Continuation-in-part of Ser. No. 320,496, Oct. 7, 1994, Pat.
No. 5,498,104.

[51] LOC (6) Cl. **13-03**

[52] U.S. Cl. **D13/155**

[58] Field of Search D13/165; 174/135-136,
174/71 R, 72 A, 72 R; 248/49, 65, 68.1;
405/43

[56] References Cited

U.S. PATENT DOCUMENTS

- D. 207,293 3/1967 Ferm .
- D. 329,684 9/1992 Gray D23/207
- 460,352 9/1891 Reading .
- 680,548 8/1901 Sikes .
- 980,442 1/1911 Schaffly .
- 1,255,023 1/1918 Lang .
- 1,497,549 6/1924 Conradi .
- 1,541,918 6/1925 Brennan .
- 1,873,495 8/1932 Smittle .
- 2,153,789 4/1939 Carswell et al. .
- 2,366,522 1/1945 Gutman .
- 2,788,933 4/1957 Oldham .
- 2,834,087 5/1958 Herman .
- 2,866,319 12/1958 Nicholson .
- 3,042,430 7/1962 Guy 285/365
- 3,151,631 10/1964 Yano 138/97
- 3,333,422 8/1967 Neyland .
- 3,339,366 9/1967 Gogan et al. .
- 3,341,178 9/1967 Cott .
- 3,440,823 4/1969 Olsen .
- 3,495,410 2/1970 Bailey et al. .
- 3,570,251 3/1971 Roberts .
- 3,579,995 5/1971 Flynn .
- 3,645,100 2/1972 La Monica .
- 3,820,341 6/1974 Richard et al. .

- 3,898,162 8/1975 Carlson et al. 210/170
- 3,910,051 10/1975 Komisarek .
- 3,962,088 6/1976 Kuhlenschmidt et al. 210/170
- 4,162,976 7/1979 Monson 210/170
- 4,166,720 9/1979 Weber .
- 4,183,696 1/1980 Auriemma 405/43
- 4,192,628 3/1980 Gorman 405/45
- 4,239,416 12/1980 Borca et al. 405/53
- 4,245,924 1/1981 Fouss et al. 405/45
- 4,360,042 11/1982 Fouss et al. 138/119
- 4,363,563 12/1982 Hallenius et al. 405/55
- 4,379,654 4/1983 Rovelli 405/53
- 4,416,340 11/1983 Bailey 175/195
- 4,433,821 2/1984 Bolding et al. 248/65
- 4,523,613 6/1985 Fouss et al. 138/121
- 4,588,325 5/1986 Seefert 405/46
- 4,598,277 7/1986 Feldman 340/604
- 4,624,603 11/1986 Kanao 405/49
- 4,759,661 7/1988 Nichols et al. 405/43 X
- 4,790,567 12/1988 Kawano et al. 285/24
- 4,797,030 1/1989 Lockwood 405/125
- 5,087,151 2/1992 DiTullio 405/43
- 5,110,459 5/1992 Baxter 210/143
- 5,149,143 9/1992 Howell 285/18
- 5,156,488 10/1992 Nichols 405/43 X
- 5,234,286 8/1993 Wagner 405/53
- 5,336,017 8/1994 Nichols 405/43 X
- 5,399,814 3/1995 Staber et al. D13/154 X
- 5,441,363 8/1995 Gray 405/49
- 5,498,104 3/1996 Gray 405/43

OTHER PUBLICATIONS

May, "Technical Support Paper for *The Infiltrator* Leaching System" (Apr. 1987).

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[57] CLAIM

The ornamental design for a coupling flange for conduits, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of two conduits mated at a respective coupling flange;
FIG. 2 is a front view of a first end of a conduit showing a first coupling flange;

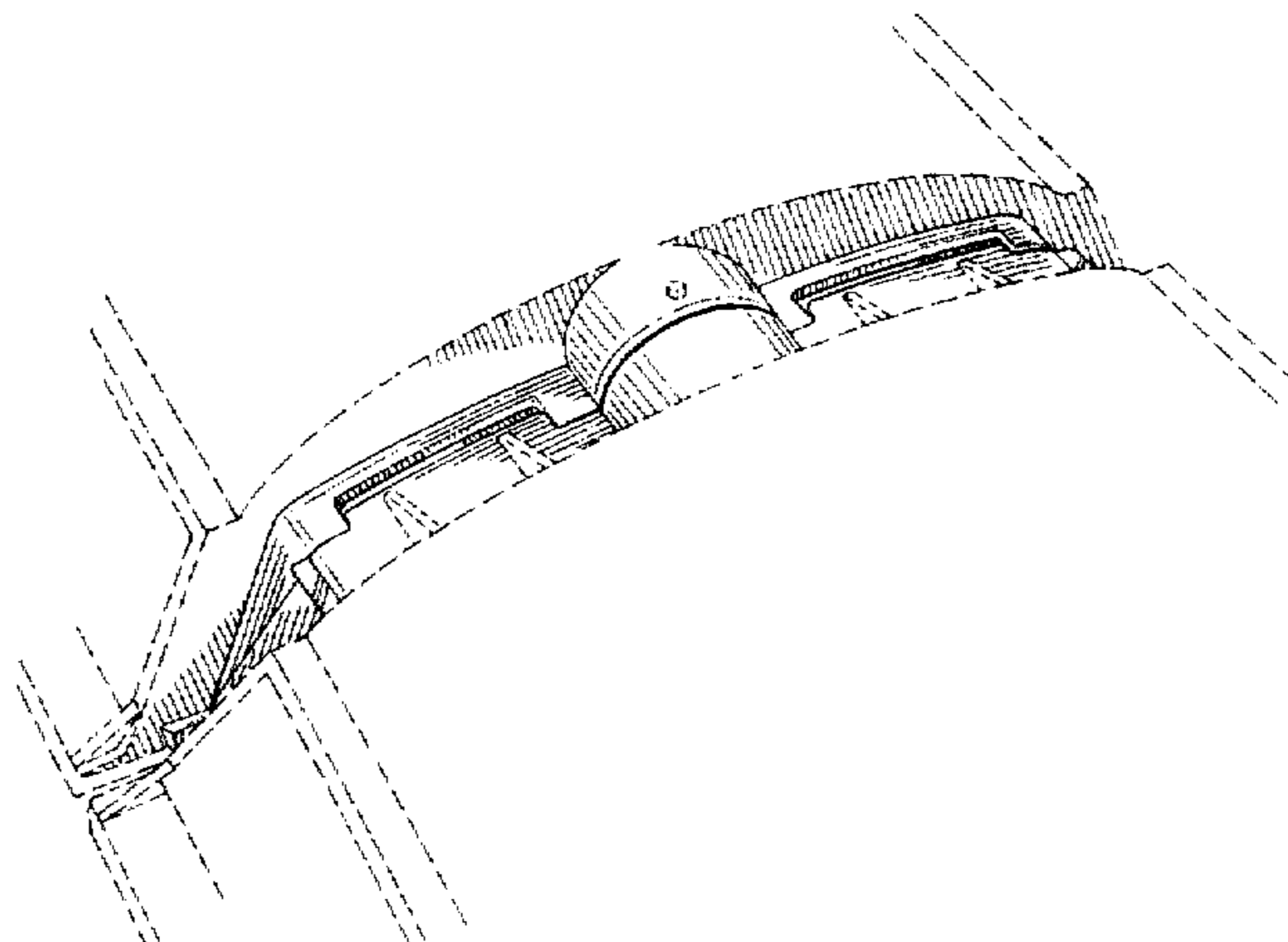


FIG. 3 is a top view of the first end of the conduit of FIG. 2;

FIG. 4 is a front view of a second end of the conduit coupling flange;

FIG. 5 is a top view of the second end of the conduit of FIG. 4;

FIG. 6 is a right side view of the first end of the conduit; the left side view being identical;

FIG. 7 is a right side view of the second end of the conduit; the left side view being identical;

FIG. 8 is a right side view of a first coupling flange of one conduit mated with a second coupling flange of another conduit;

FIG. 9 is a bottom view of the first end of the conduit of FIG. 2; and,

FIG. 10 is a bottom view of the second end of the conduit of FIG. 4.

The broken line showing of a fragmented portion of conduit and buttressing elements are for illustrative purposes only and forms no part of the claimed design. In addition, the flanges are shown detached for clarity of illustration.

1 Claim, 5 Drawing Sheets

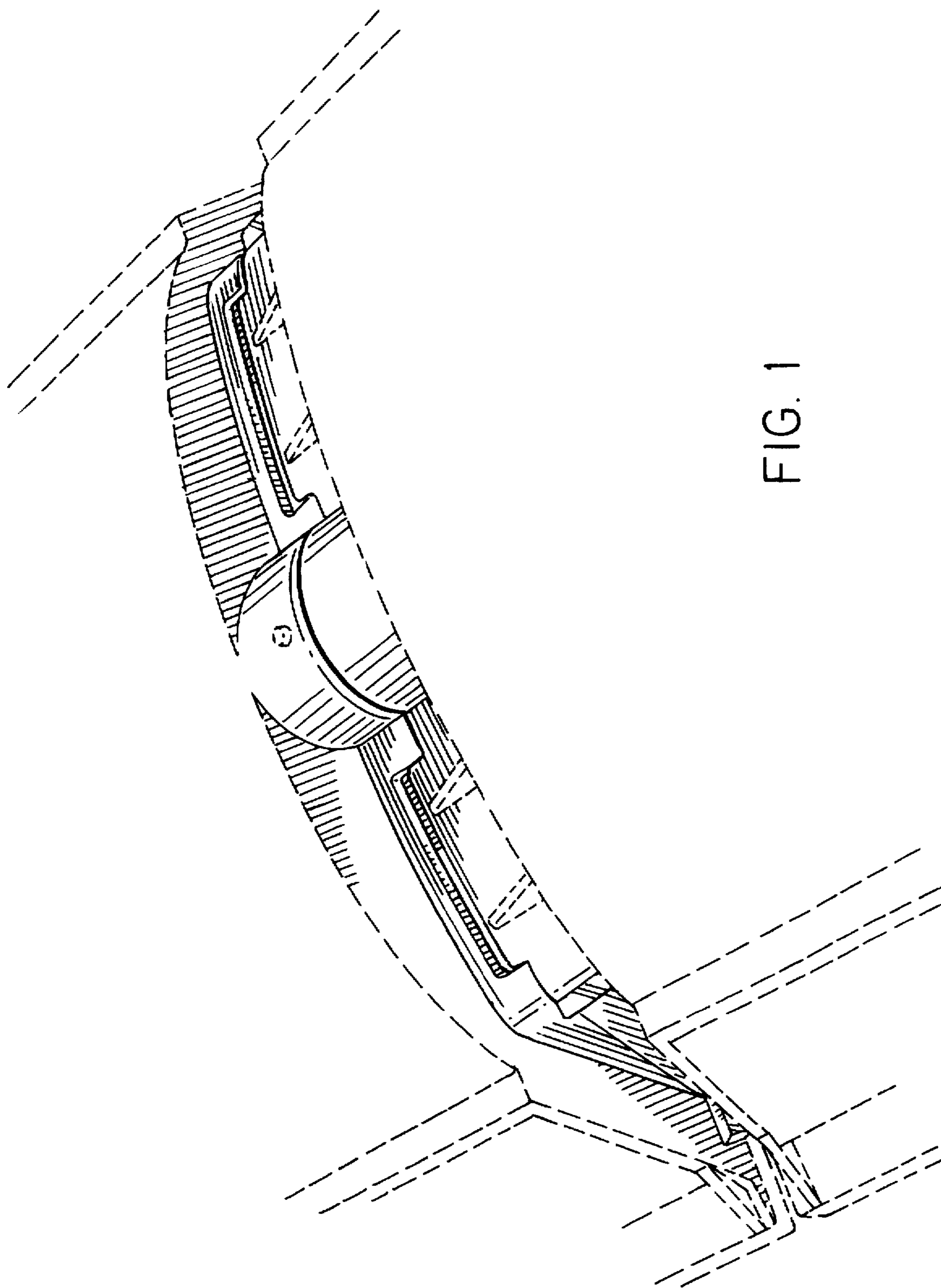


FIG. 1

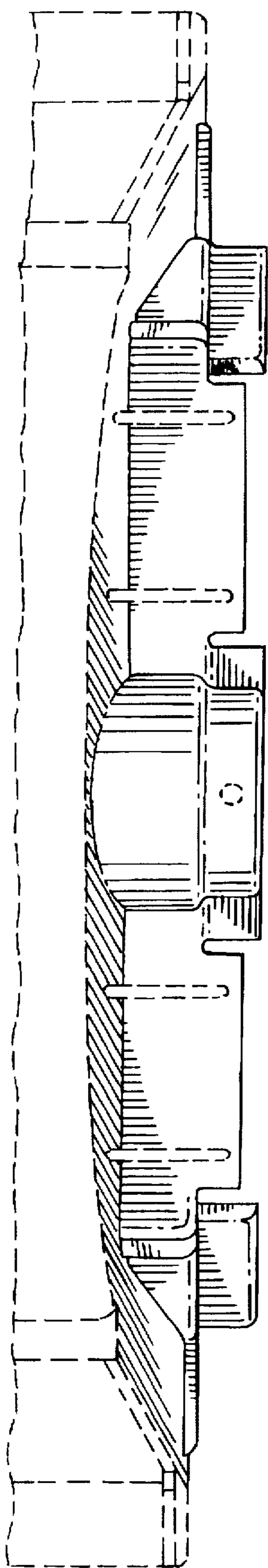


FIG. 3

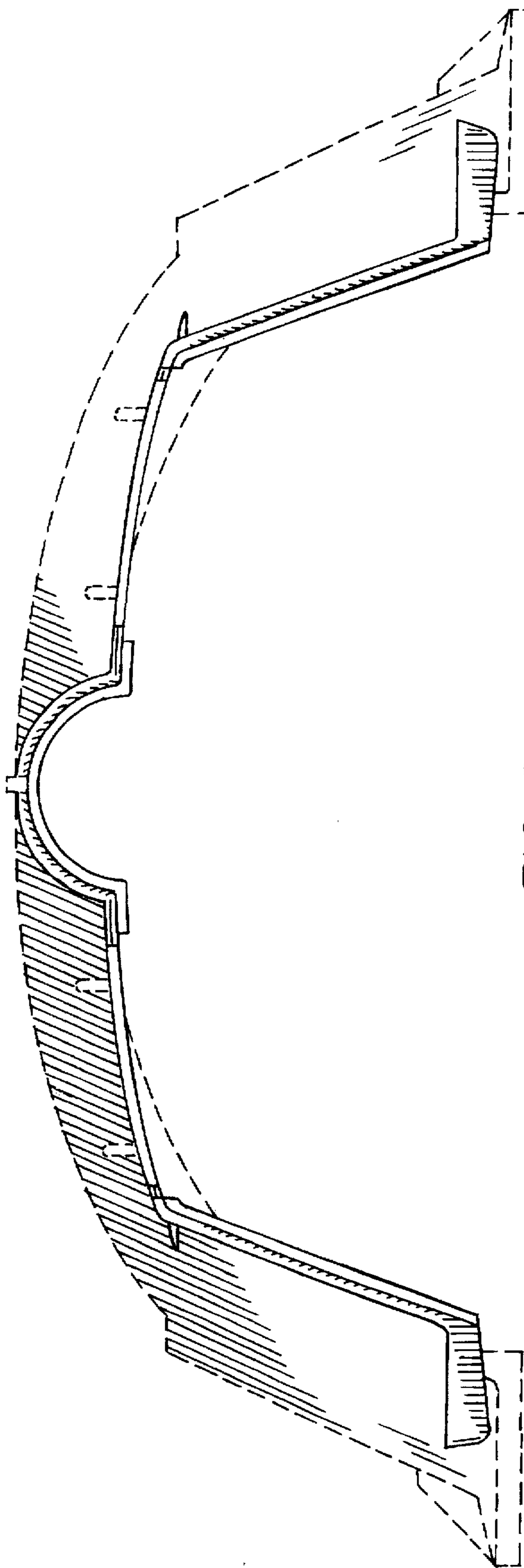


FIG. 2

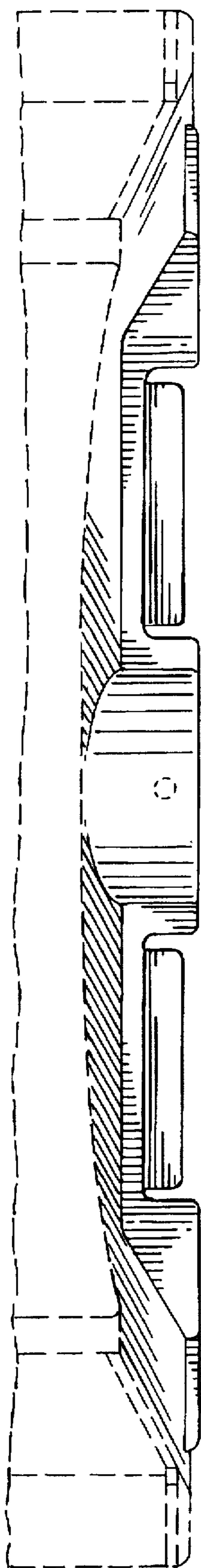


FIG. 5

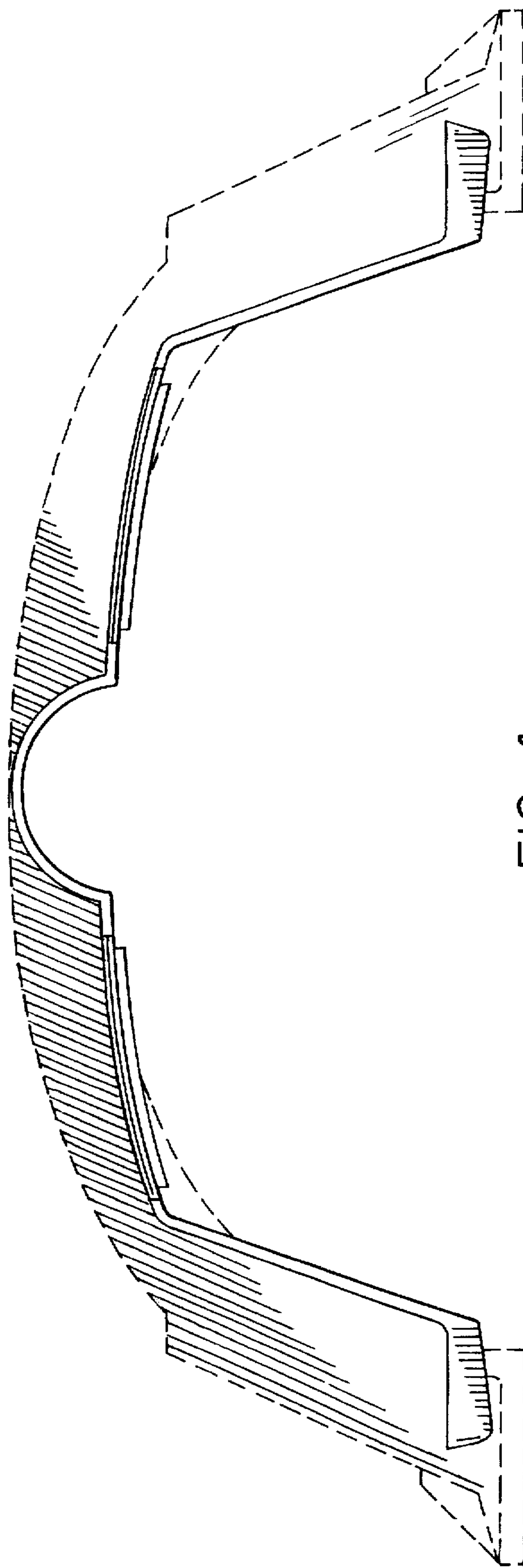


FIG. 4

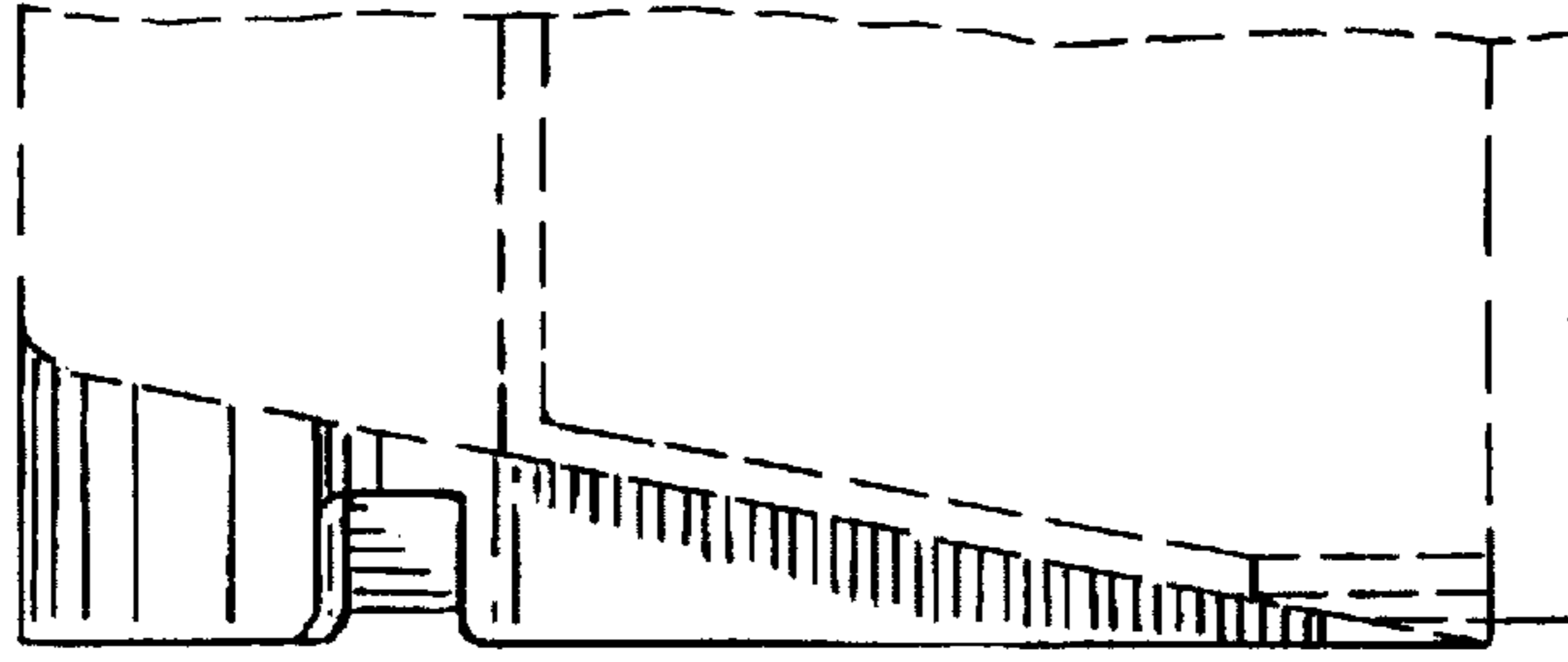


FIG. 7

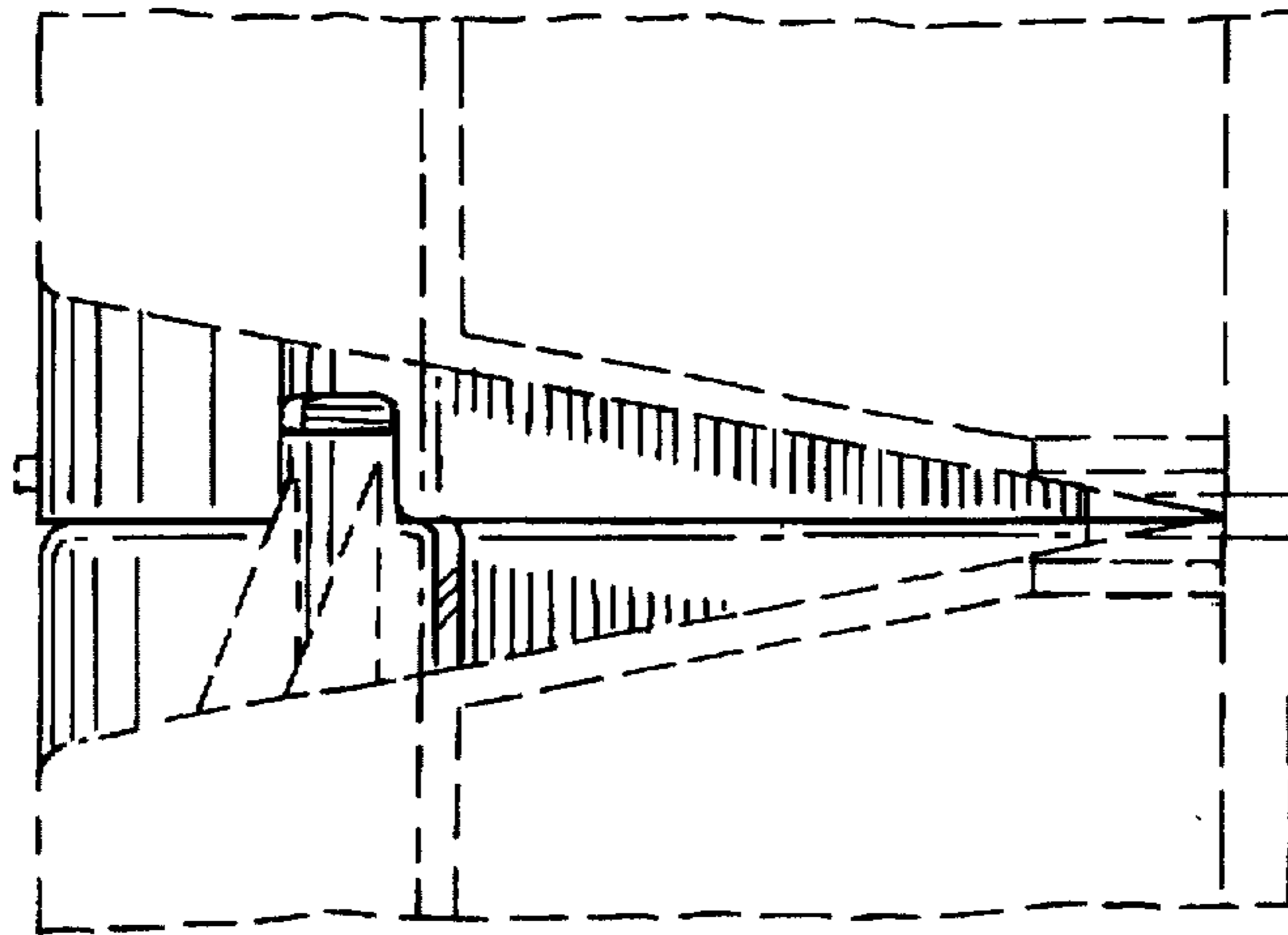


FIG. 8

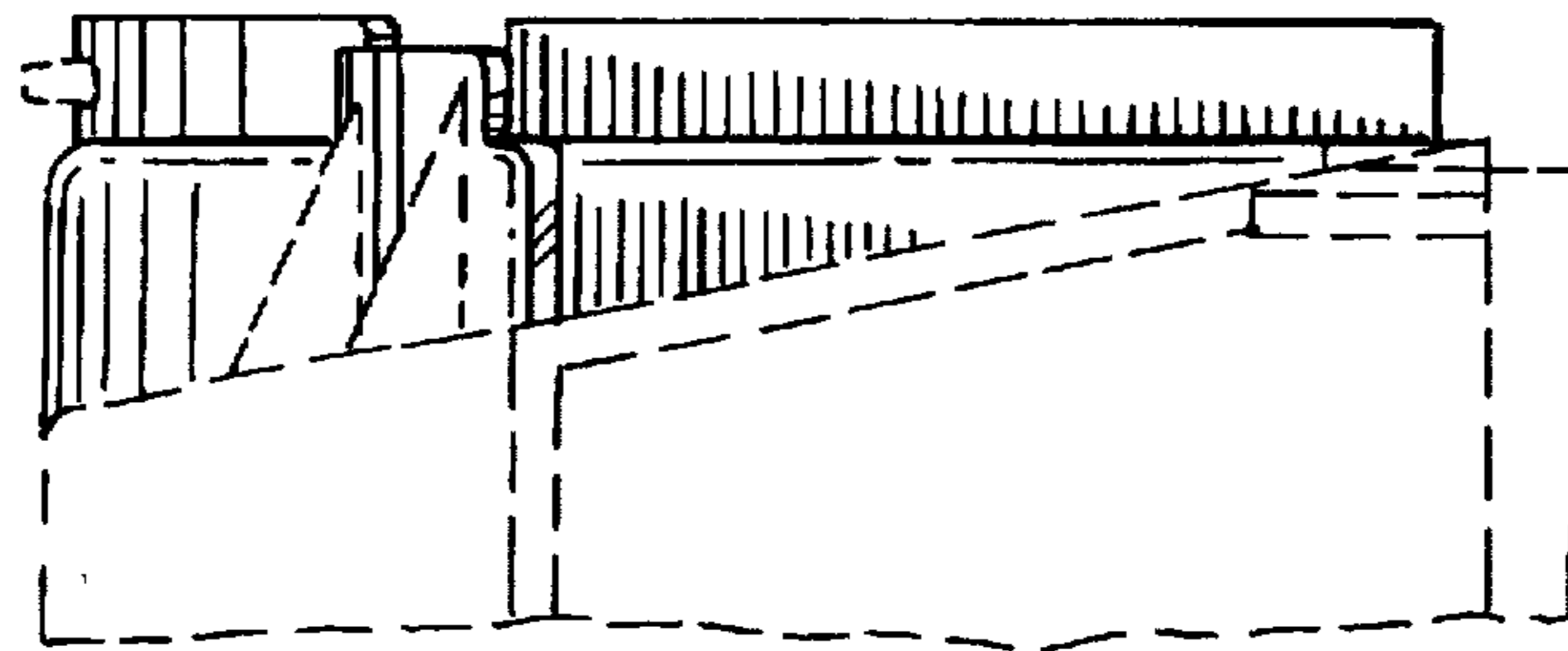


FIG. 6

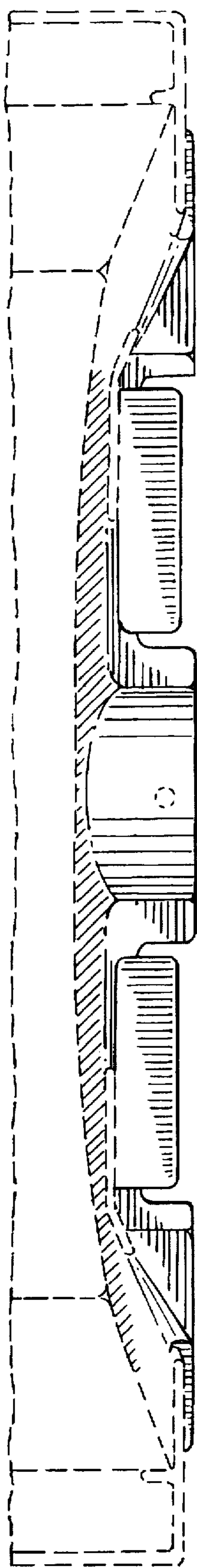


FIG. 10

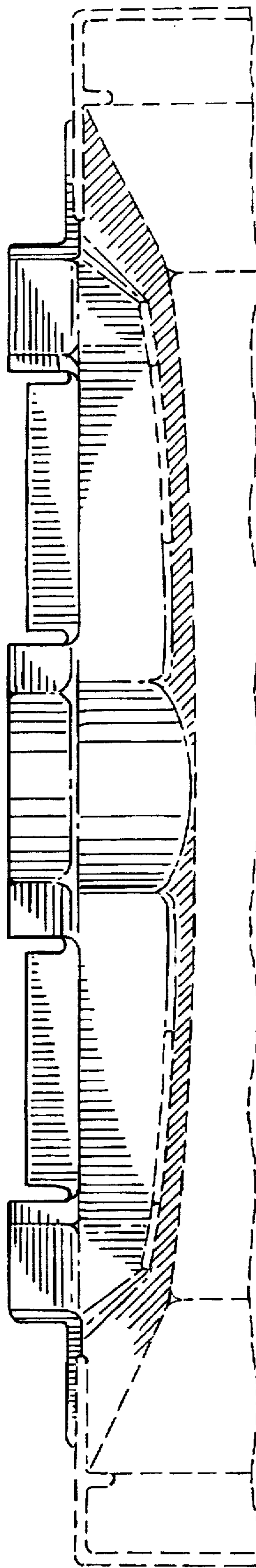


FIG. 9