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(12) **United States Design Patent**  
**Nakamura**

(10) **Patent No.:** **US D460,422 S**

(45) **Date of Patent:** **\*\* Jul. 16, 2002**

(54) **BUNDLING AND PROTECTING DEVICE FOR ELECTRICAL WIRES OR TUBES**

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(75) **Inventor:** **Toshinobu Nakamura, Tokyo (JP)**

(57) **CLAIM**

(73) **Assignee:** **Shinagawa Shoko Co., Ltd., Tokyo (JP)**

The ornamental design for a bundling and protecting device for electrical wires or tubes, as shown and described.

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

**DESCRIPTION**

(21) **Appl. No.:** **29/132,766**

FIG. 1 is a front, top and right side perspective view of a bundling and protecting device for electrical wires or tubes, showing my new design;

(22) **Filed:** **Nov. 15, 2000**

FIG. 2 is a front elevational view thereof;

(51) **LOC (7) Cl.** ..... **13-03**

FIG. 3 is a top plan view thereof, the bottom plan view being a mirror image;

(52) **U.S. Cl.** ..... **D13/156**

FIG. 4 is a rear elevational view thereof;

(58) **Field of Search** ..... D8/349, 354, 355, D8/356, 366, 373, 382, 383, 394, 395, 396, 499; 24/16 R, 129 R, 136 R; 87/9; 174/154, 168, DIG. 11; 248/65, 74.2, 610; 428/36.1, 36.3, 99; D13/153

FIG. 5 is a sectional view thereof, taken along line 5—5 of FIG. 2;

FIG. 6 is a right side view thereof;

FIG. 7 is a left side view thereof;

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

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- 3,089,915 A \* 5/1963 Plummer ..... 174/DIG. 11
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- 4,442,153 A \* 4/1984 Meltsch ..... 428/99
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FIG. 8 is an enlarged fragmentary rear elevational view of the portion shown within the circled area 8 in FIG. 4;

FIG. 9 is an enlarged fragmentary top plan view of the portion shown within the circled area 9 in FIG. 3;

FIG. 10 is an enlarged fragmentary top plan view of the portion shown within the circled area 10 in FIG. 3; and,

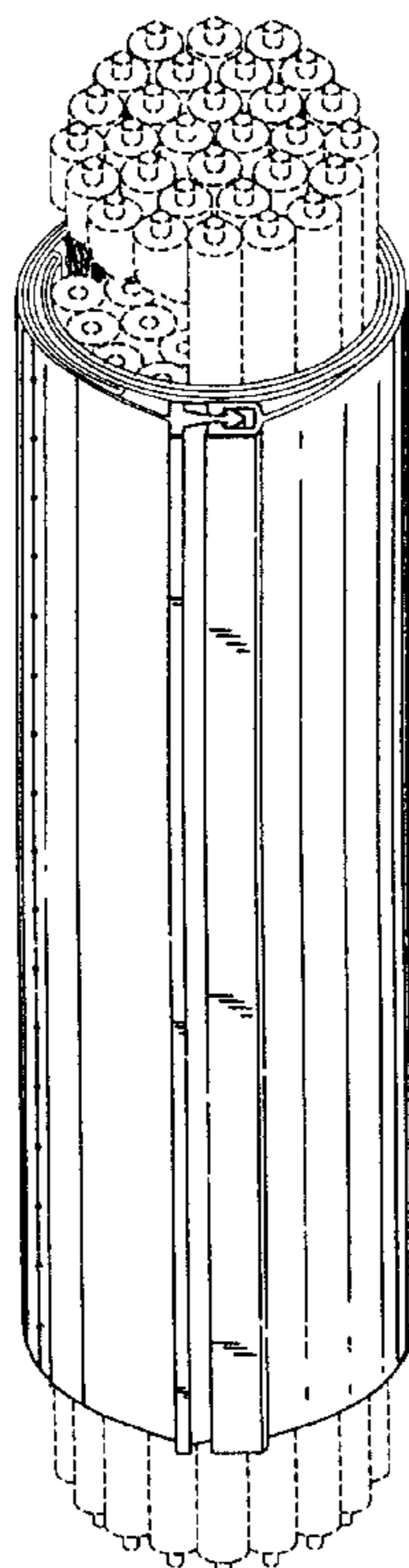
FIG. 11 is a perspective view thereof, shown in condition of use.

The broken line showing of electrical wires in FIG. 11 is for illustrative purposes only and forms no part of the claimed design.

\* cited by examiner

*Primary Examiner*—Doris V. Coles  
*Assistant Examiner*—Elizabeth A. Albert

**1 Claim, 6 Drawing Sheets**



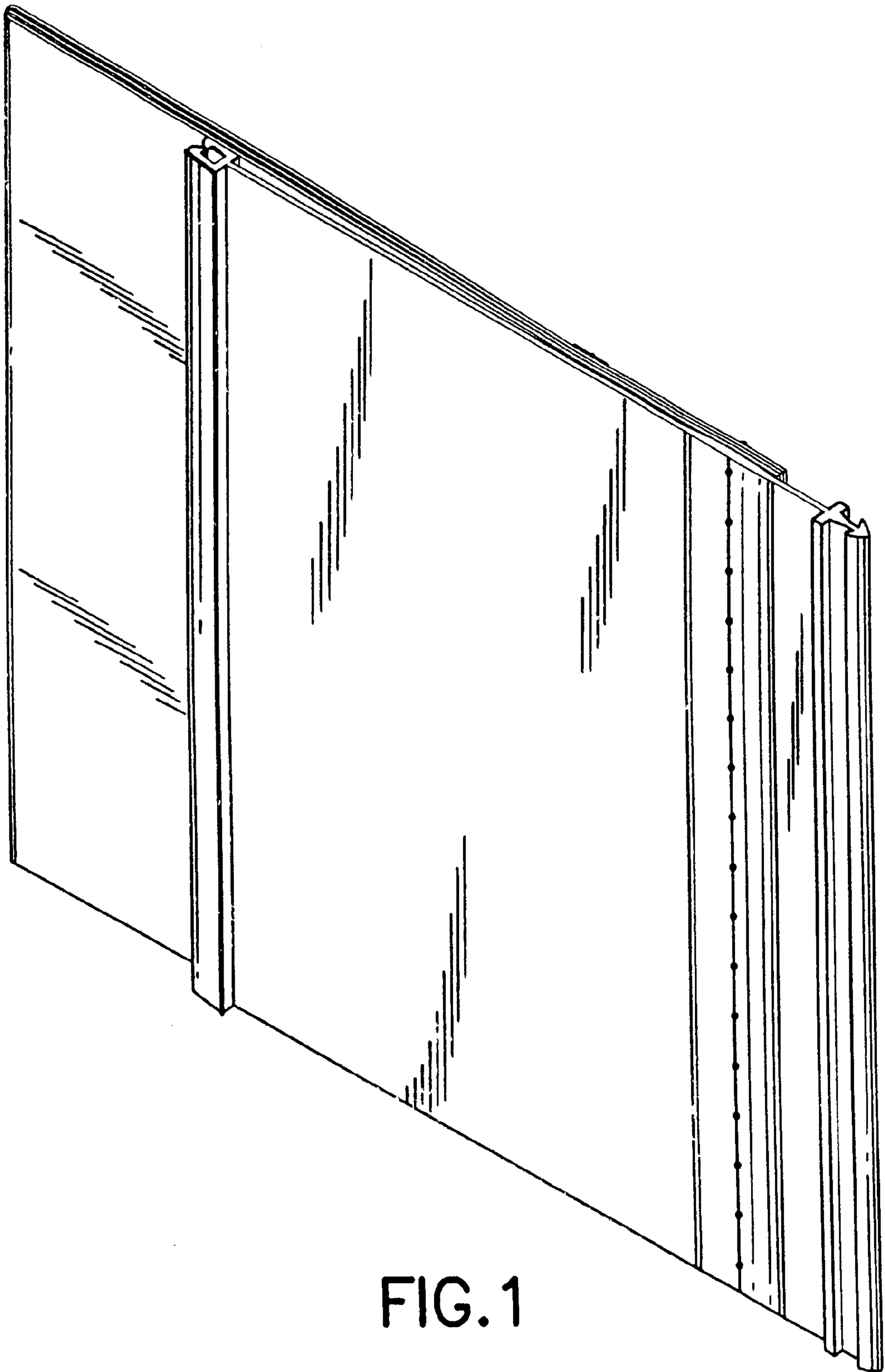


FIG. 1

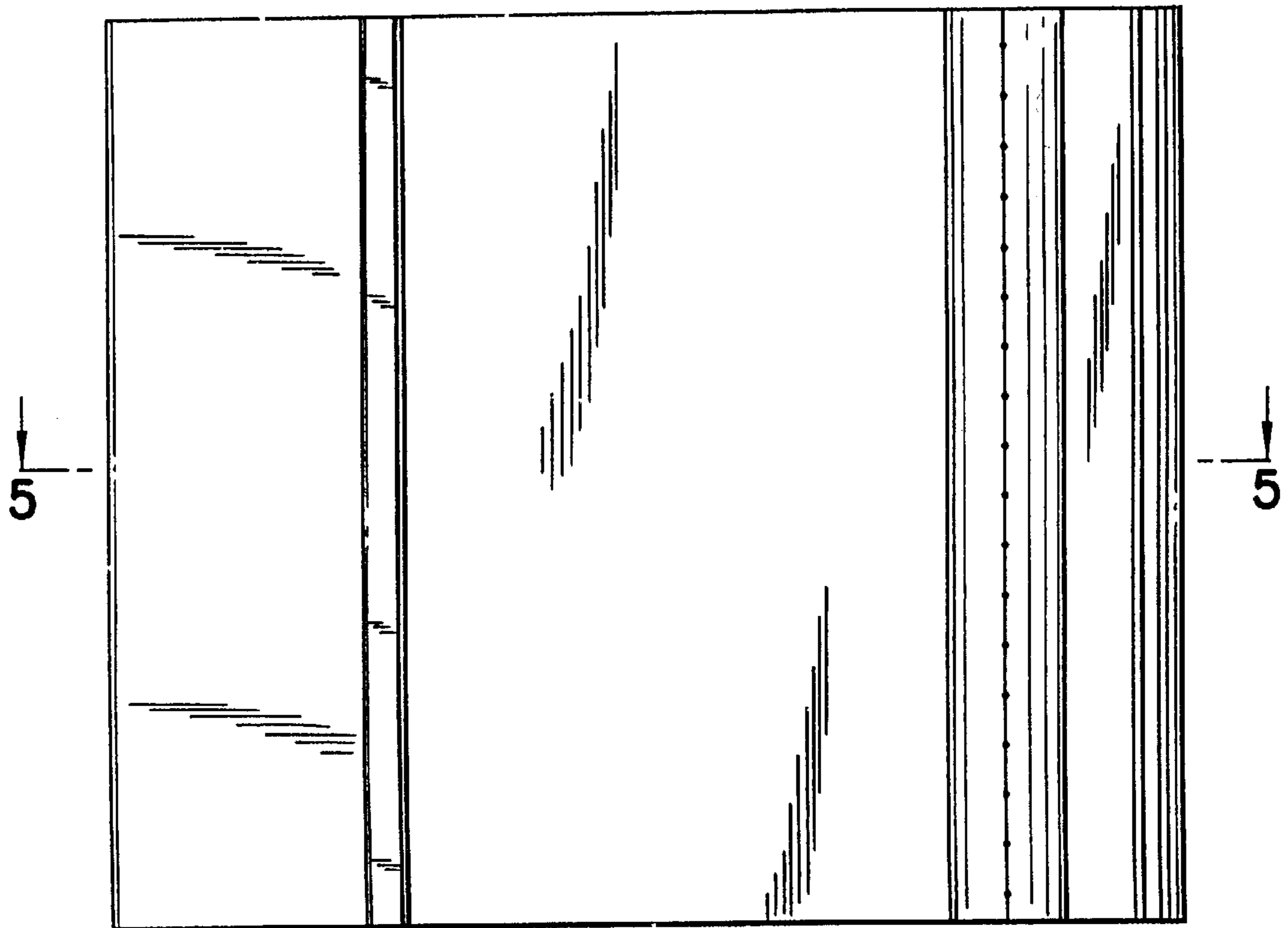


FIG. 2

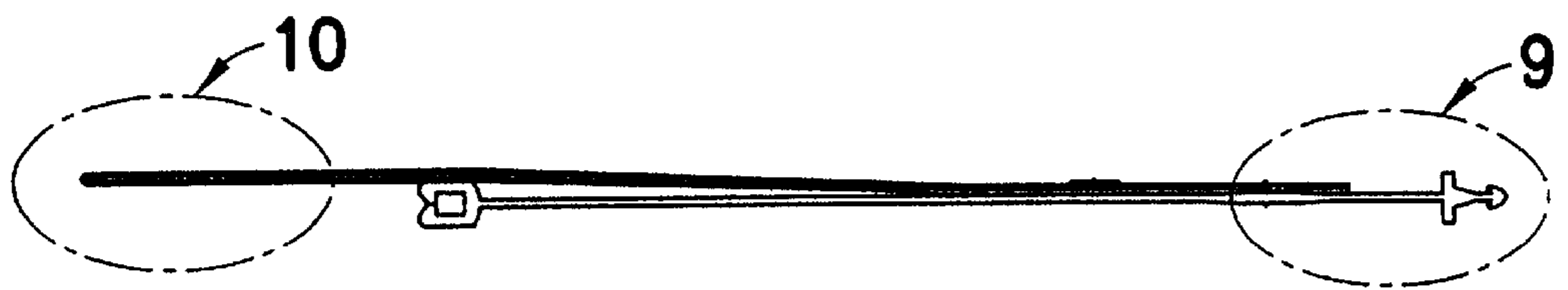


FIG. 3

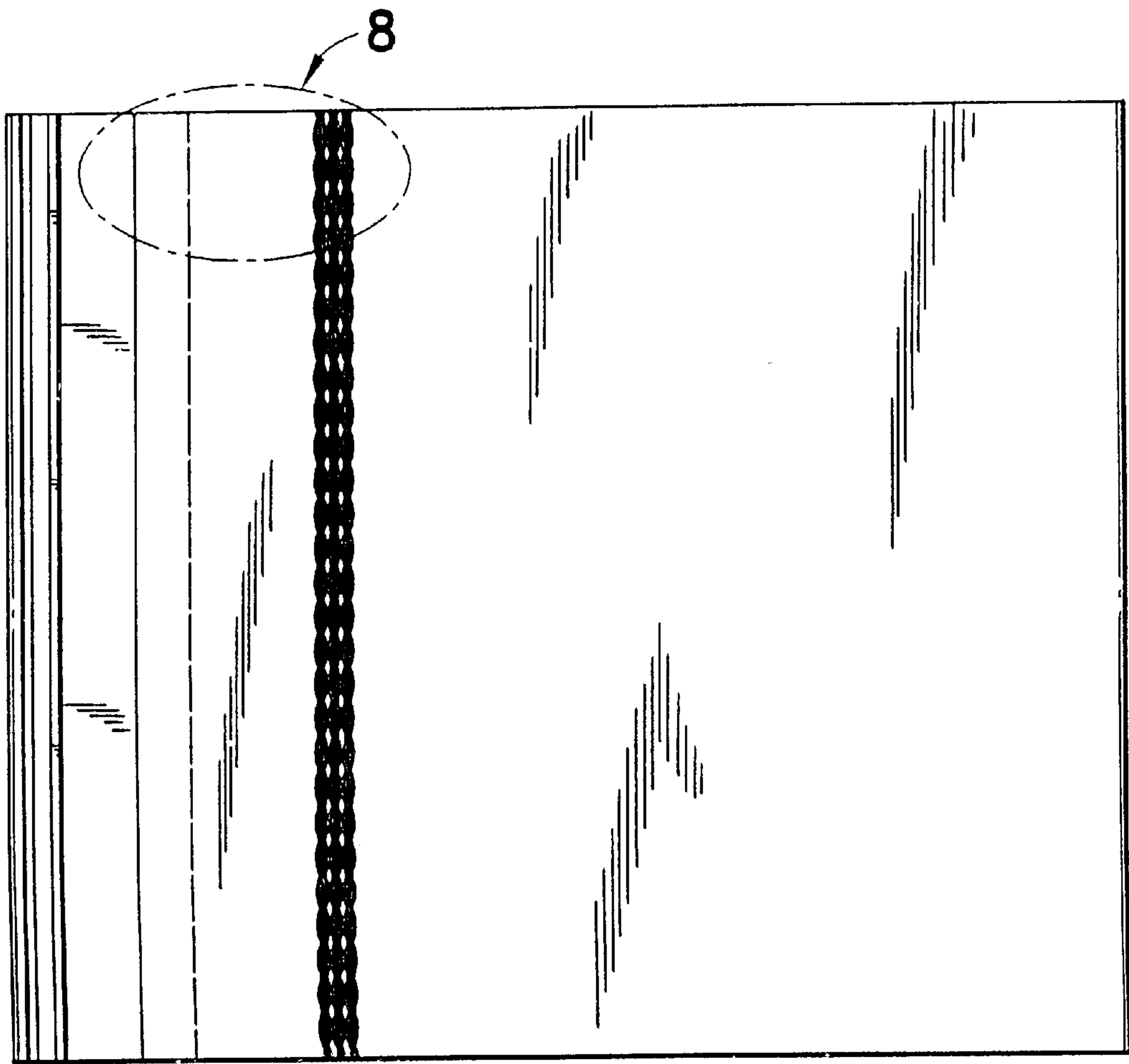


FIG. 4



FIG. 5



FIG. 6



FIG. 7

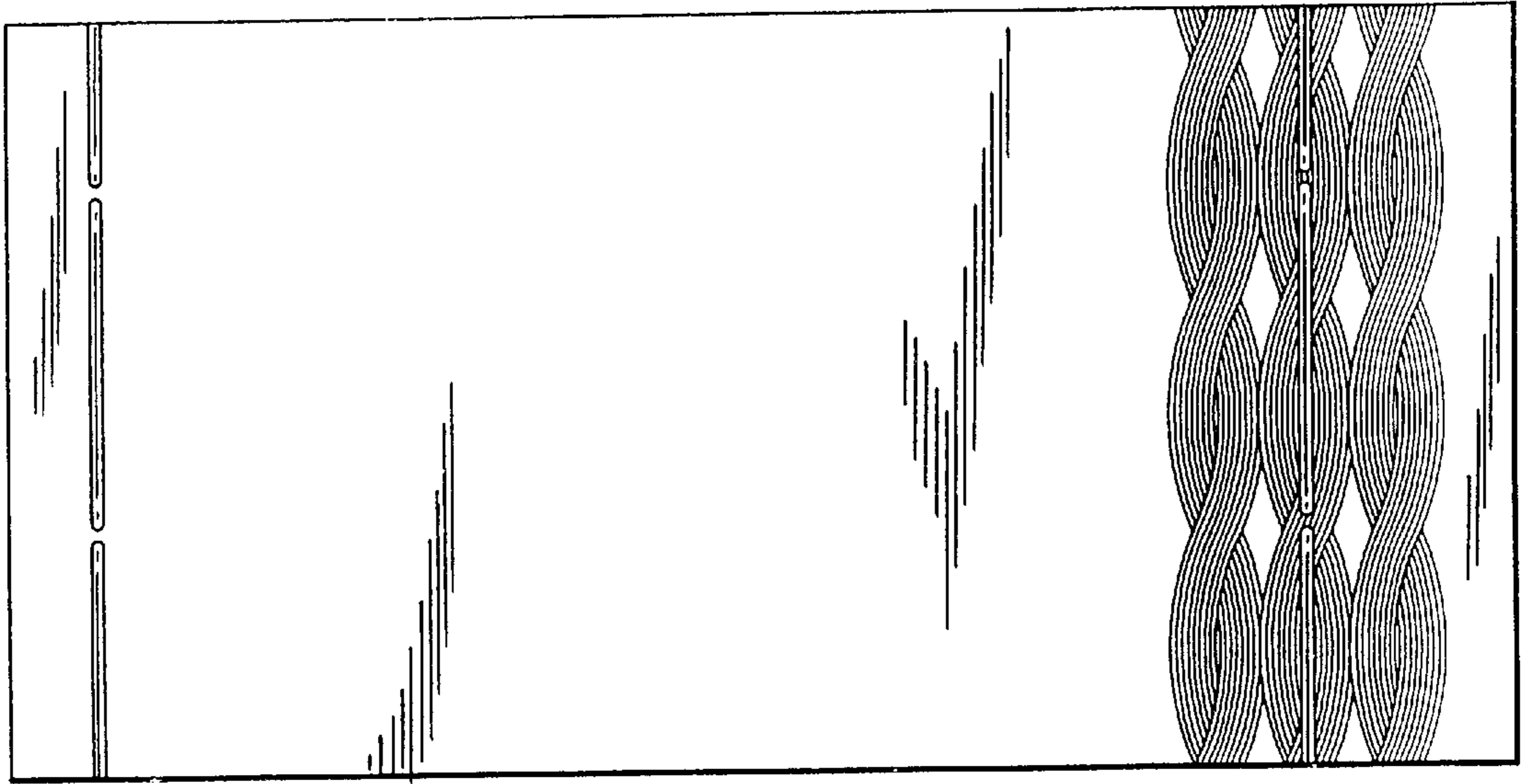


FIG. 8

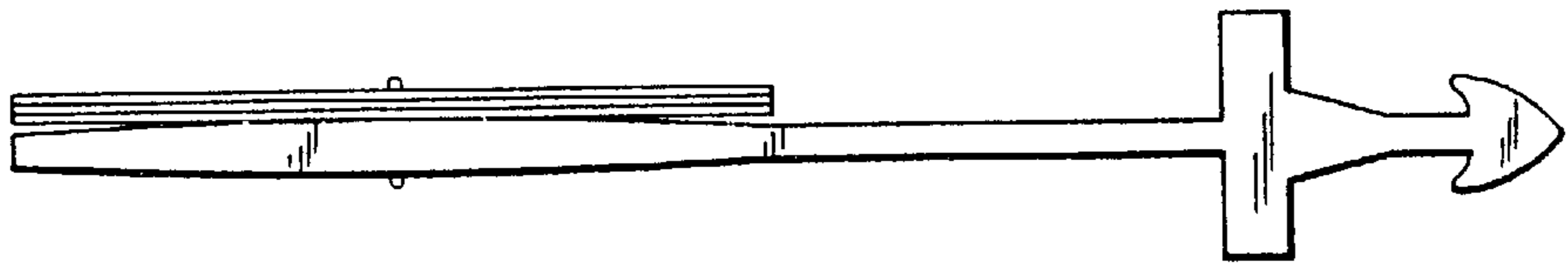


FIG. 9

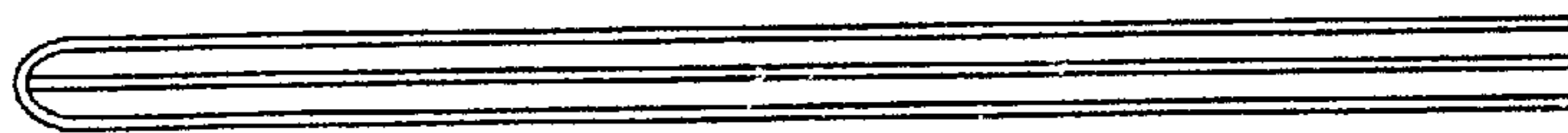


FIG. 10



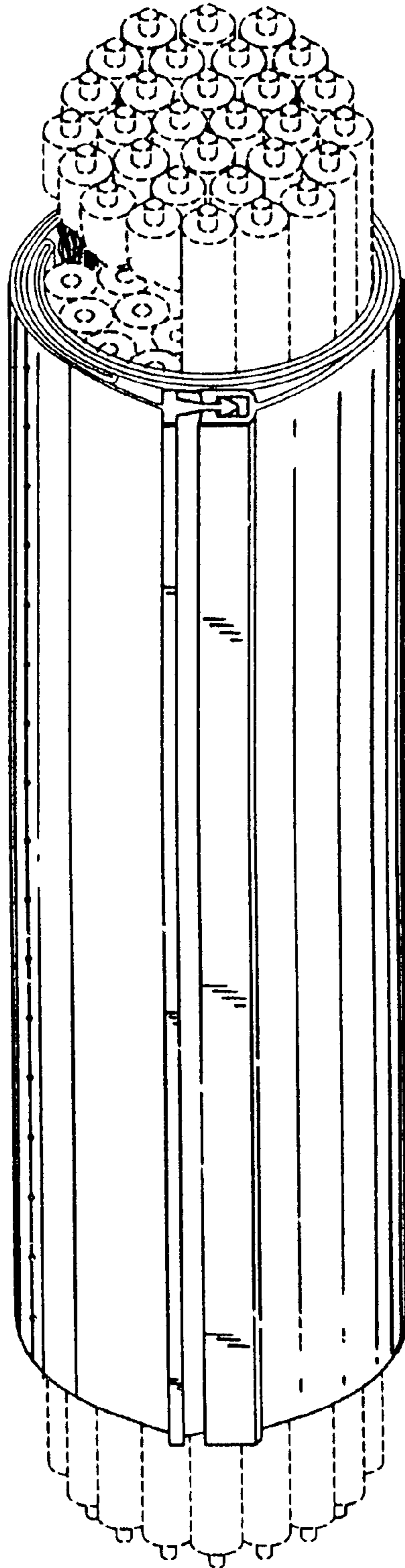


FIG. 11