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(12) **United States Design Patent** (10) **Patent No.:** **US D971,897 S**  
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(54) **RADIO-FREQUENCY ANTENNA**  
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Mundelein, IL (US)  
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(58) **Field of Classification Search**  
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D13/108, 184; D21/332, 329, 333;  
D12/42, 32, 400  
CPC ... H04W 88/06; H04W 88/085; H04W 84/02;  
H01Q 1/2291; H01Q 1/24; H01Q 1/241;  
H01Q 1/247; H01Q 1/248; H01Q 1/38;  
H01Q 1/007  
See application file for complete search history.

D756,336 S \* 5/2016 Podduturi ..... D14/230  
D783,082 S \* 4/2017 Sallard ..... D16/335  
D840,984 S \* 2/2019 Howard ..... D14/230  
D858,491 S \* 9/2019 Howard ..... D14/230  
D900,793 S \* 11/2020 Howard ..... D14/230  
D924,040 S \* 7/2021 Brown ..... D8/349  
2013/0321240 A1\* 12/2013 O'Shea ..... H01Q 21/28  
343/893  
2016/0372829 A1\* 12/2016 Andre ..... H01Q 1/38

**FOREIGN PATENT DOCUMENTS**

CN 304651438 \* 5/2018  
CN 305342537 \* 9/2019  
CN 305836448 \* 6/2020  
CN 305869007 \* 6/2020  
CN 305912868 \* 7/2020  
CN 306579471 \* 6/2021  
CN 307369912 \* 5/2022

\* cited by examiner

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(57) **CLAIM**

The ornamental design of a radio-frequency antenna, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of the radio-frequency antenna;  
FIG. 2 is a front view thereof;  
FIG. 3 is a back view thereof;  
FIG. 4 is a left side view thereof;  
FIG. 5 is a right side view thereof;  
FIG. 6 is a top view thereof; and,  
FIG. 7 is a bottom view thereof.

**1 Claim, 4 Drawing Sheets**

(56) **References Cited**  
U.S. PATENT DOCUMENTS  
D289,277 S \* 4/1987 Horberg ..... D12/160  
D366,487 S \* 1/1996 Jones ..... D14/230  
D416,830 S \* 11/1999 McKay ..... D12/114  
6,667,718 B2 \* 12/2003 Back ..... H01Q 9/0407  
343/846  
D496,887 S \* 10/2004 Carlson ..... D12/159  
D724,650 S \* 3/2015 Tirindelli ..... D16/335

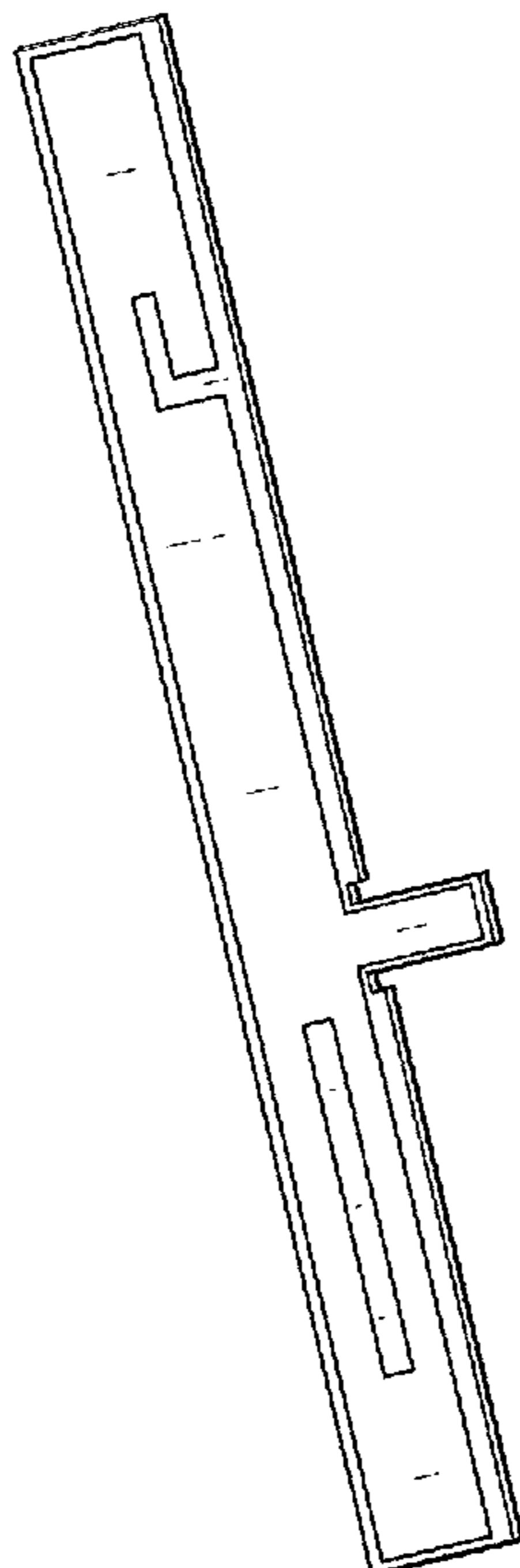


FIG. 1

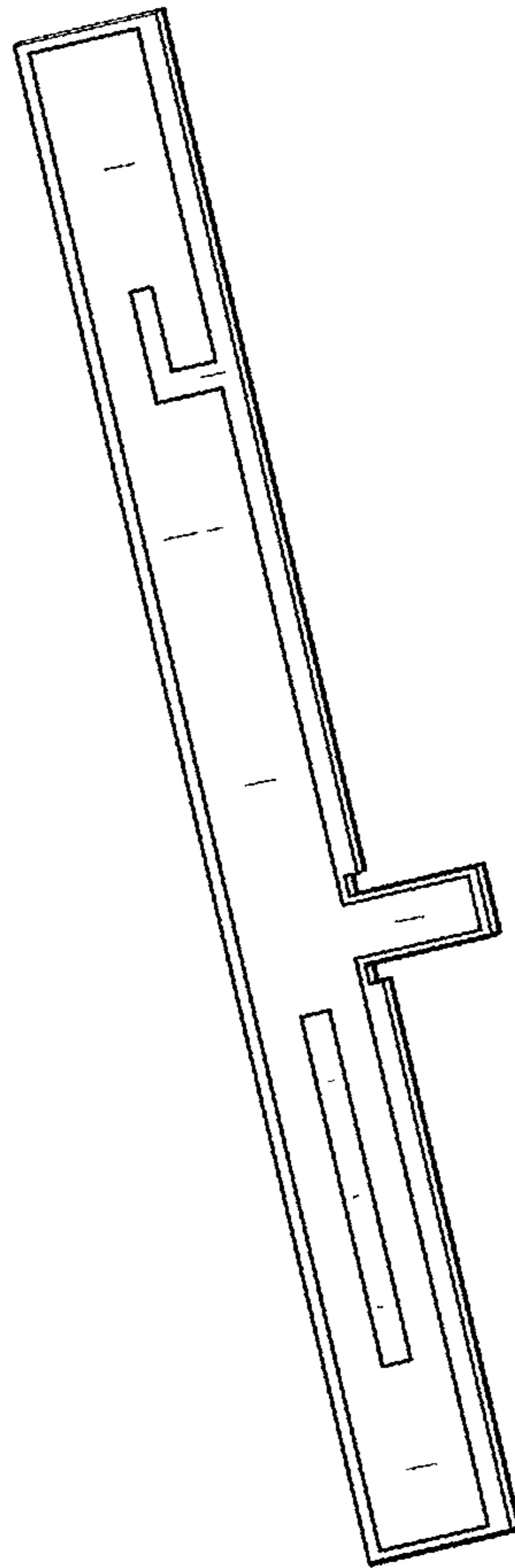


FIG. 2

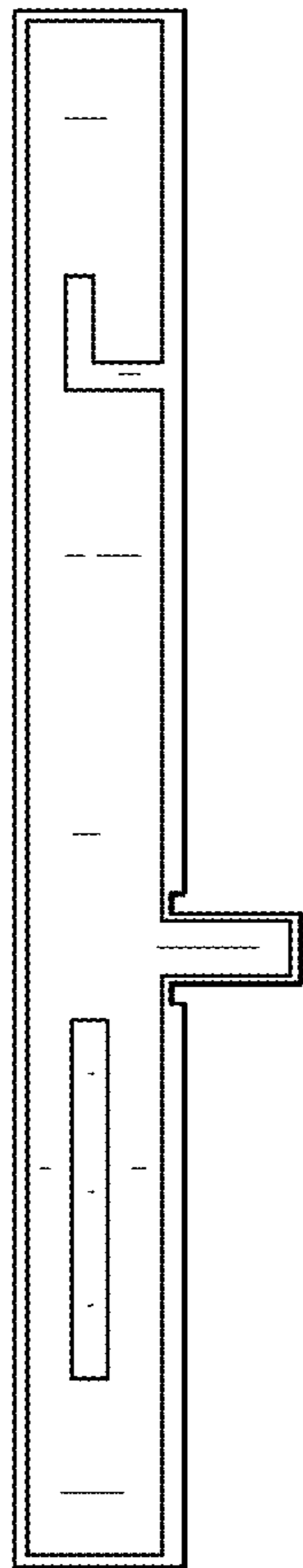


FIG. 3

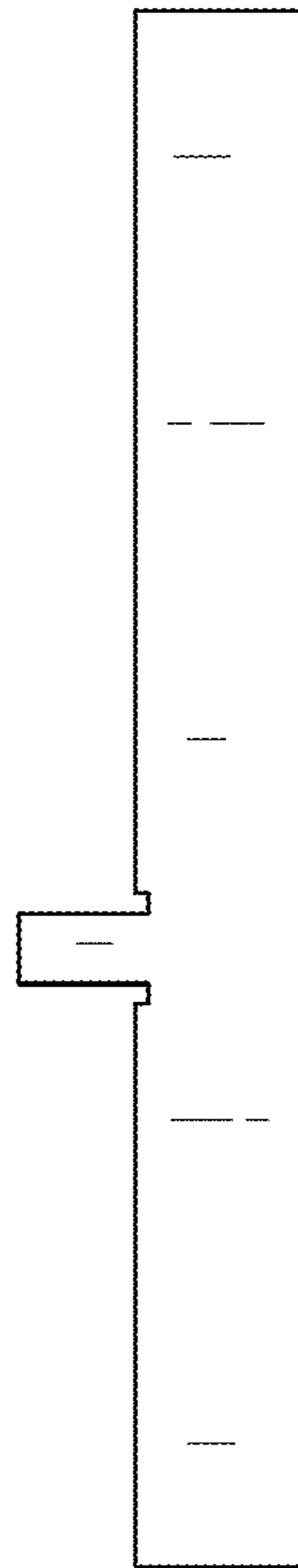


FIG. 4



FIG. 5



FIG. 6



FIG. 7

