

# United States Patent [19]

Nishigaki

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[54] **ENDOSCOPE HEATER**

[75] Inventor: **Shinichi Nishigaki, Hachioji, Japan**

[73] Assignee: **Olympus Optical Co., Ltd., Tokyo, Japan**

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

[21] Appl. No.: **329,113**

[22] Filed: **Dec. 9, 1981**

[30] **Foreign Application Priority Data**

Jun. 11, 1981 [JP] Japan ..... 56/25647

[52] U.S. Cl. .... **D24/17; D24/32; D23/77**

[58] Field of Search ..... 219/385, 328, 433, 512, 219/415, 417; 211/74; D24/32, 55, 17, 99, 18; D23/77

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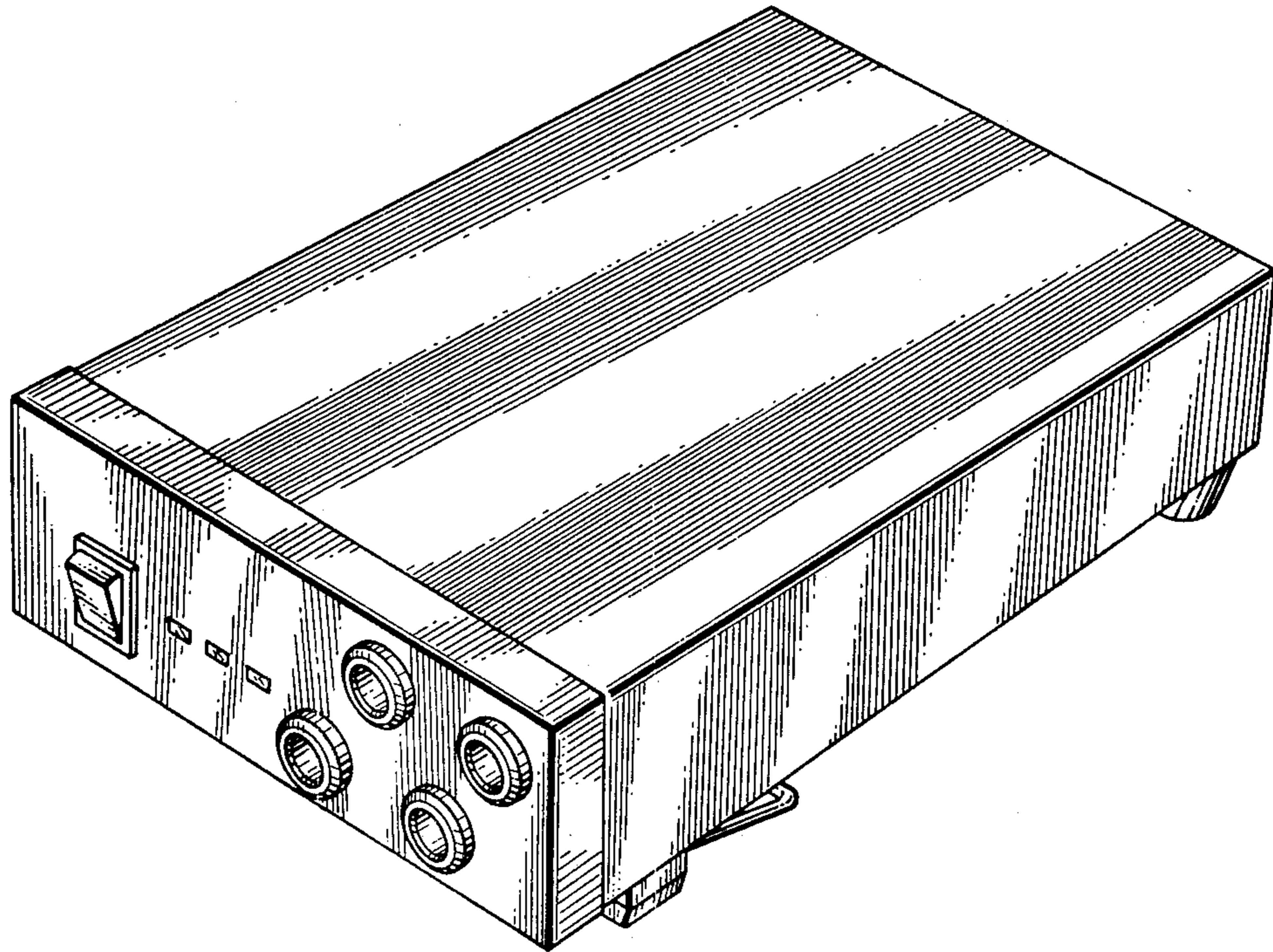
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Marmelstein & Kubovcik

[57] **CLAIM**

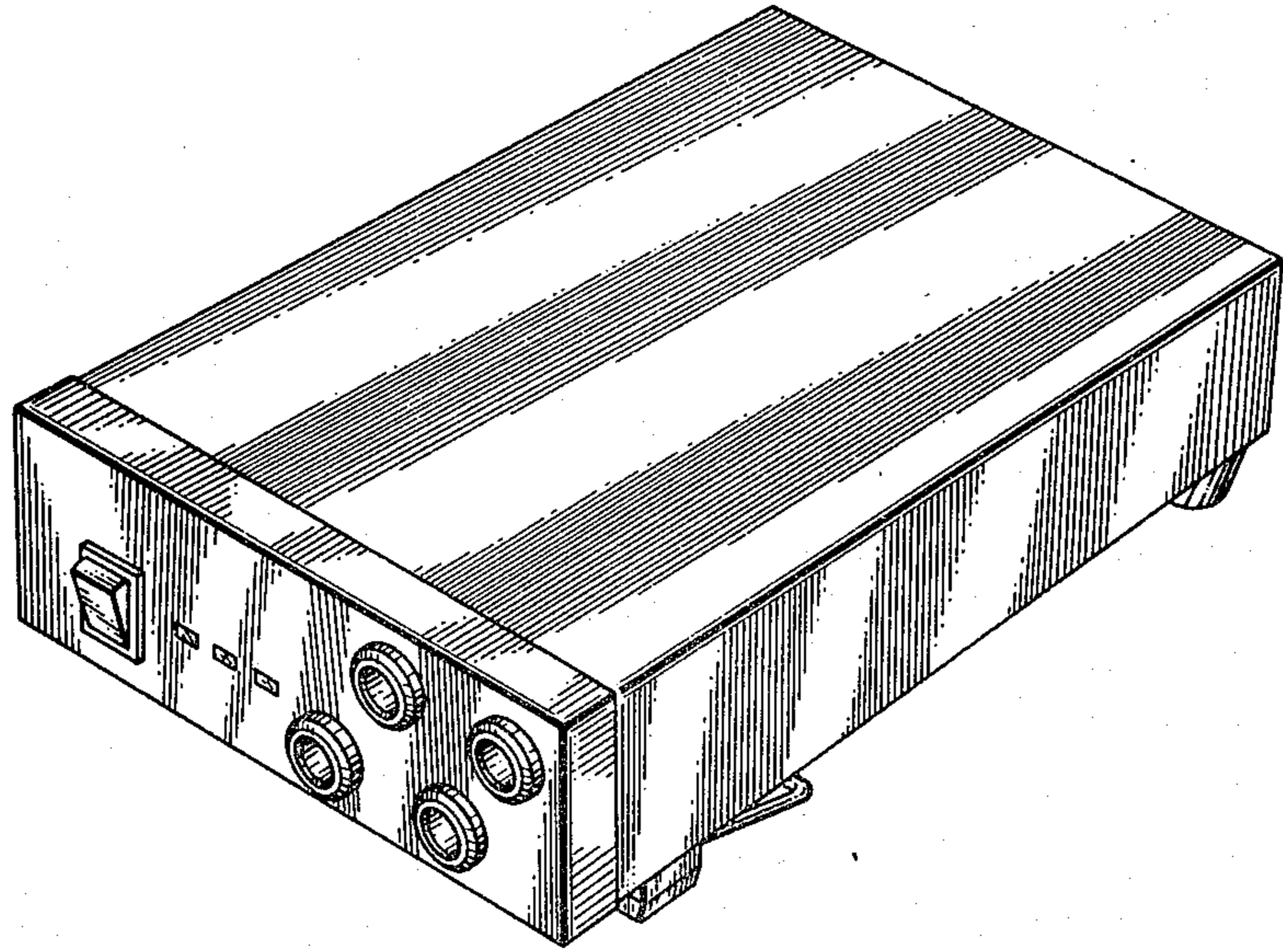
The ornamental design for endoscope heater, as shown and described.

**DESCRIPTION**

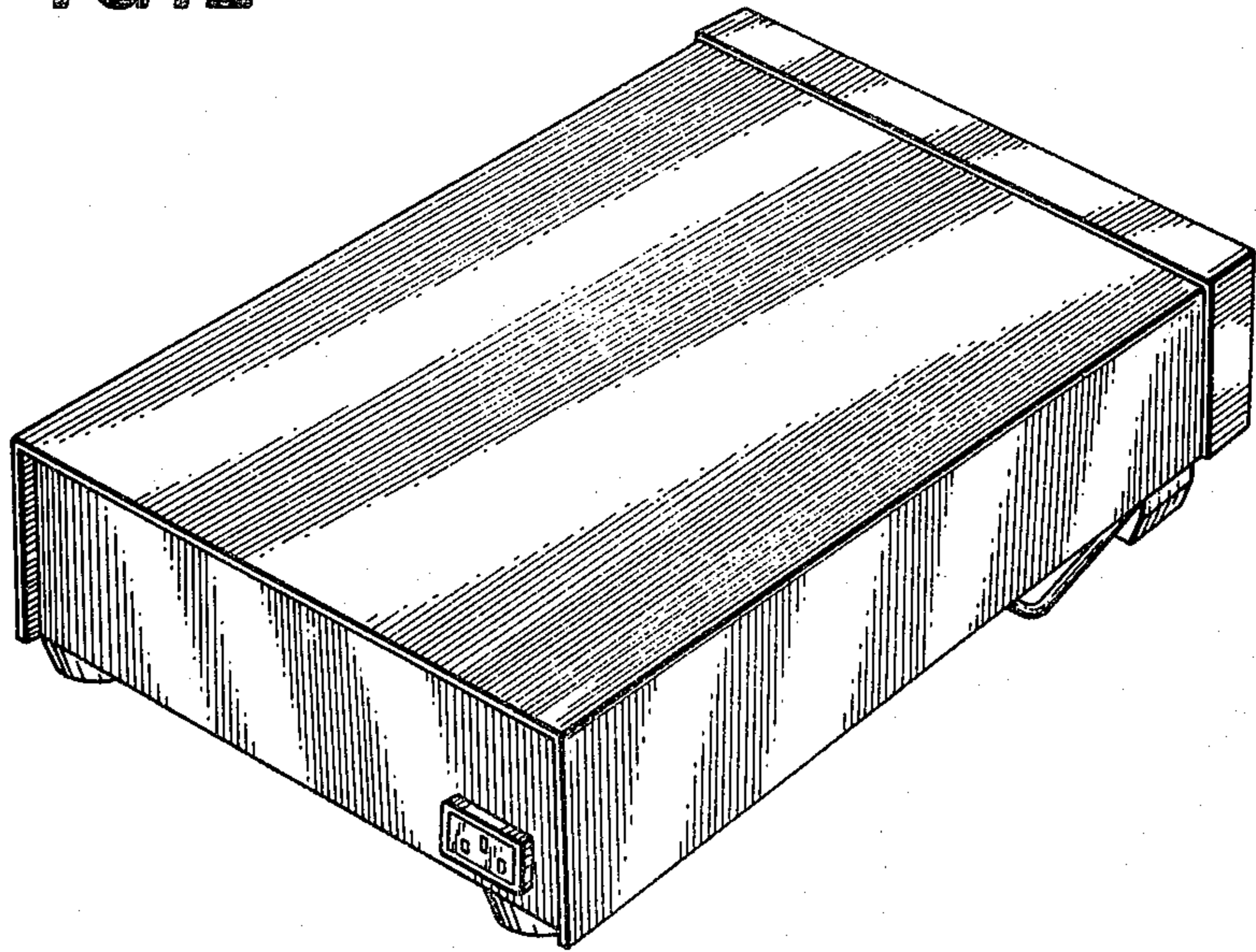
FIG. 1 is a top, front, right side perspective view of an endoscope heater showing my new design;  
FIG. 2 is a top, rear, left side perspective view thereof;  
FIG. 3 is a bottom, front, right side view thereof;  
FIG. 4 is a front view thereof;  
FIG. 5 is a rear view thereof;  
FIG. 6 is a top view thereof;  
FIG. 7 is a bottom view thereof;  
FIG. 8 is a right side view thereof; and  
FIG. 9 is a left side view thereof.



**FIG.1**

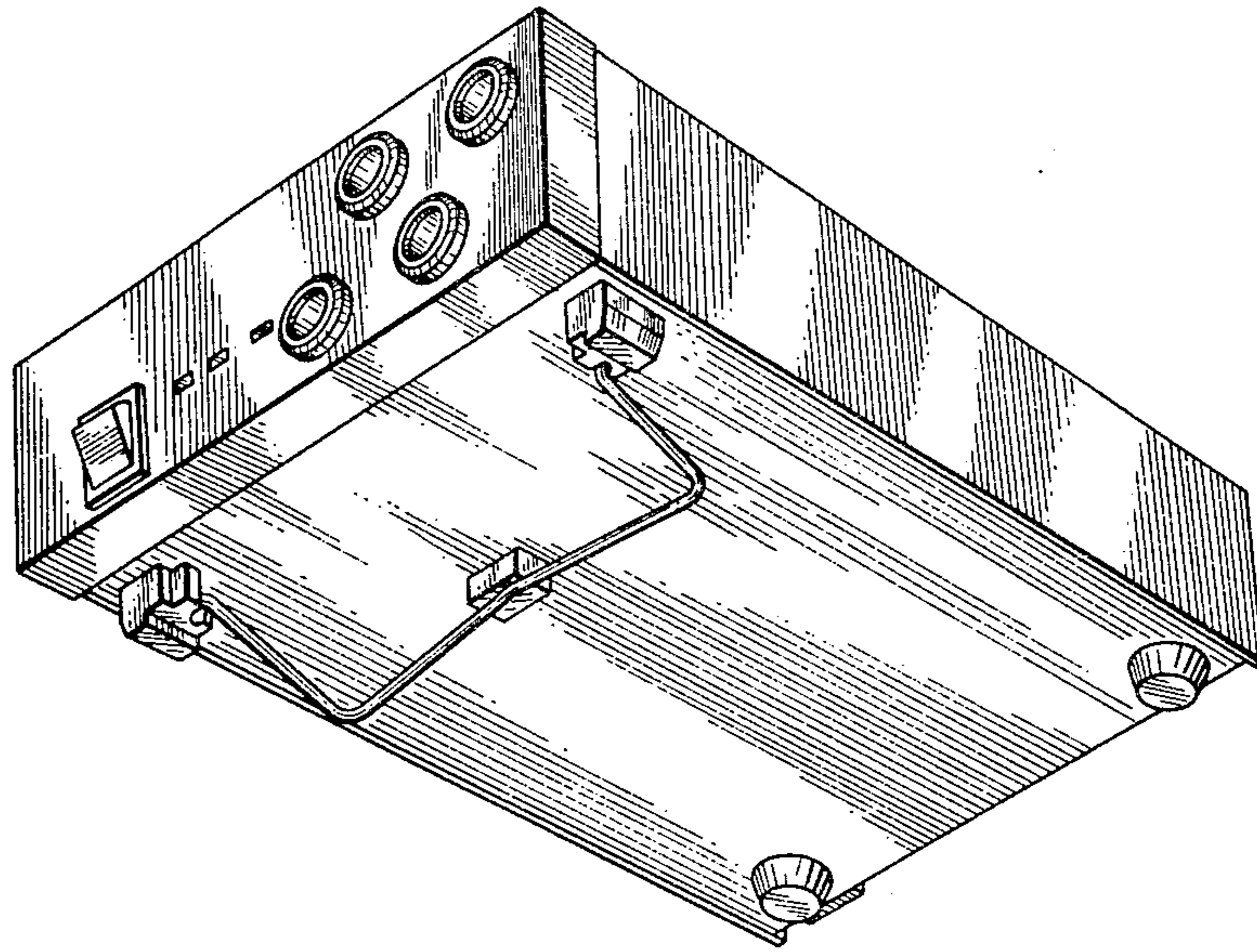


**FIG.2**

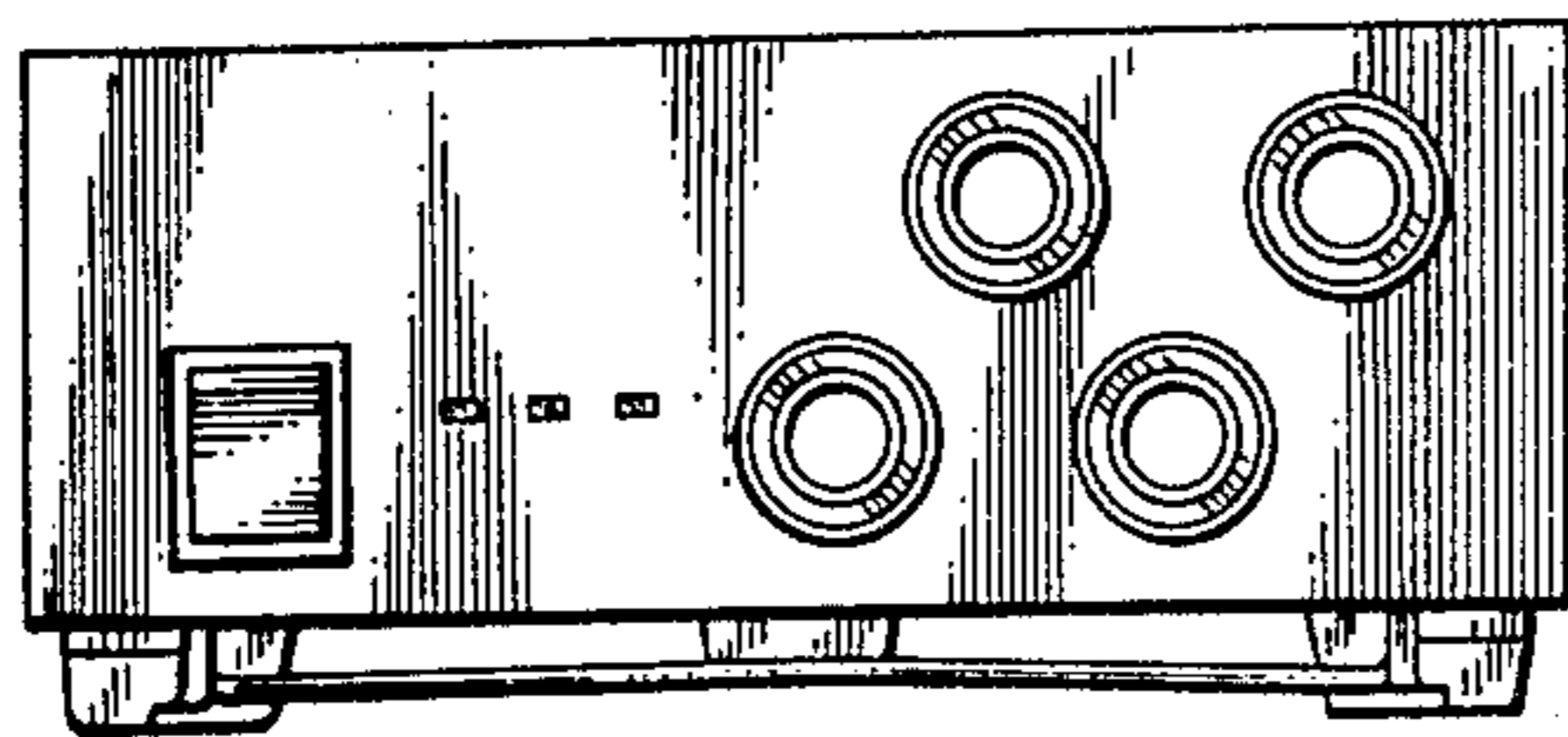




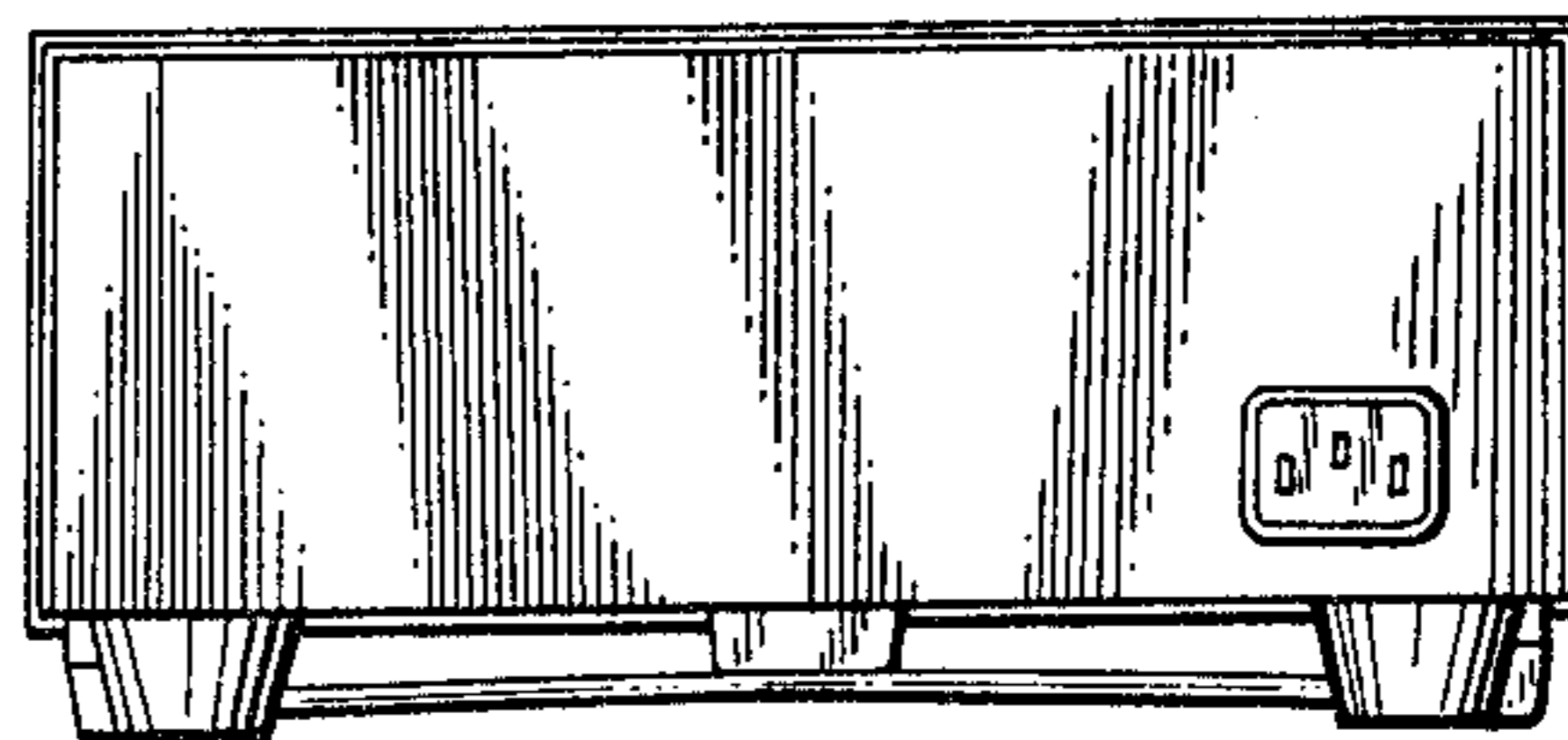
**FIG. 3**



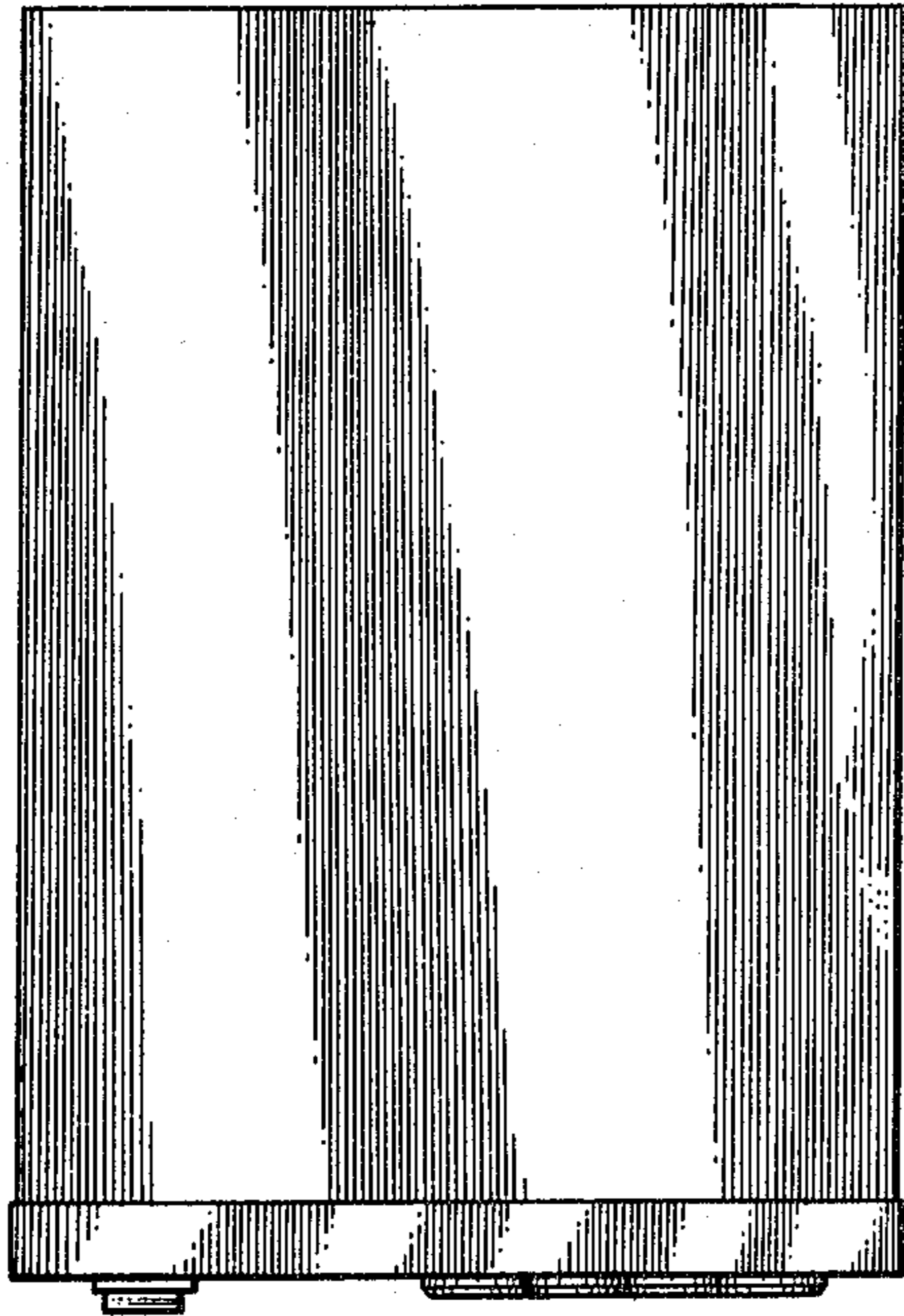
**FIG. 4**



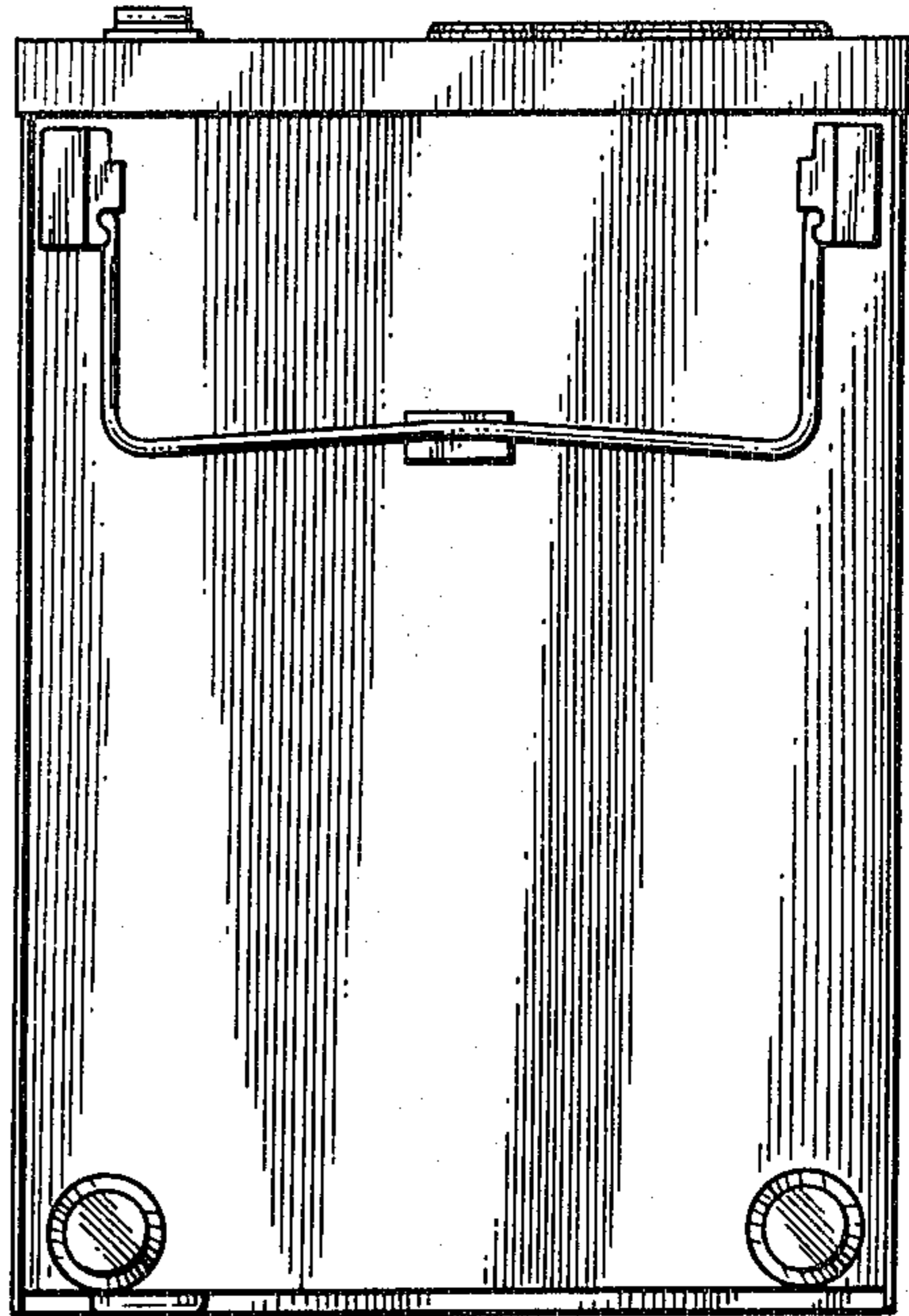
**FIG. 5**



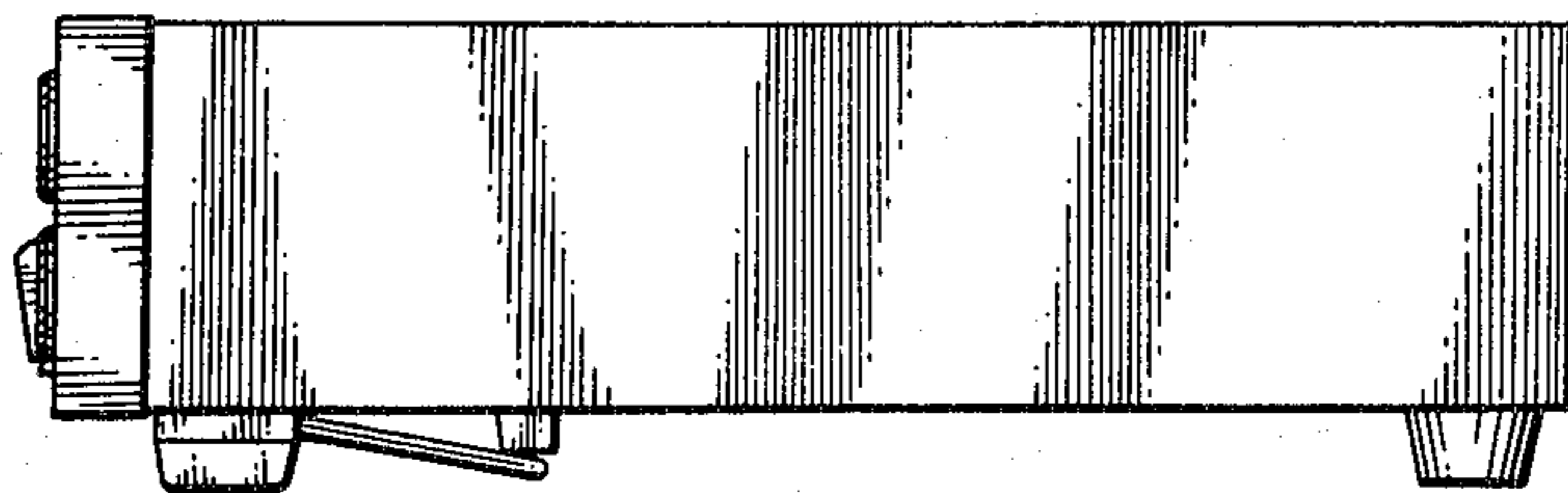
**FIG. 6**



**FIG. 7**



**FIG. 8**



**FIG. 9**

