# United States Patent [19]

## Botheras et al.

[11] Patent Number: Des. 315,597

[45] Date of Patent: \*\* Mar. 19, 1991

[54]	PROPANE FIRED HEATER FOR
	DEFROSTING FROZEN PIPES OR THE
	LIKE

[76] Inventors: Del Botheras, Box 918; Wayne C.

Colenutt, General Delivery, both of Sundre, Alberta, Canada, T0M 1X0

[\*\*] Term: 14 Years

[21] Appl. No.: 247,305

[22] Filed: Sep. 21, 1988

[30] Foreign Application Priority Data

[56] References Cited

### U.S. PATENT DOCUMENTS

3,189,727	6/1965	Jepson et al	219/368
		Duhamel et al	
4,511,787	4/1985	Sibert	219/366

#### OTHER PUBLICATIONS

Grainger's Wholesale Net Price Cat., Spring 1986, p.

1178 A Propane Convection Heater No. 2E427, right lower side of page.

Primary Examiner—James M. Gandy Assistant Examiner—Lisa Lichtenstein Attorney, Agent, or Firm—Davis, Bujold & Streck

[57] CLAIM

The ornamental design for a propane fired heater for defrosting frozen pipes or the like, as shown.

#### **DESCRIPTION**

FIG. 1 is a top, front, and left side perspective view of a propane fired heater for defrosting frozen pipes or the like, showing our new design;

FIG. 2 is a top plan view thereof on a reduced scale;

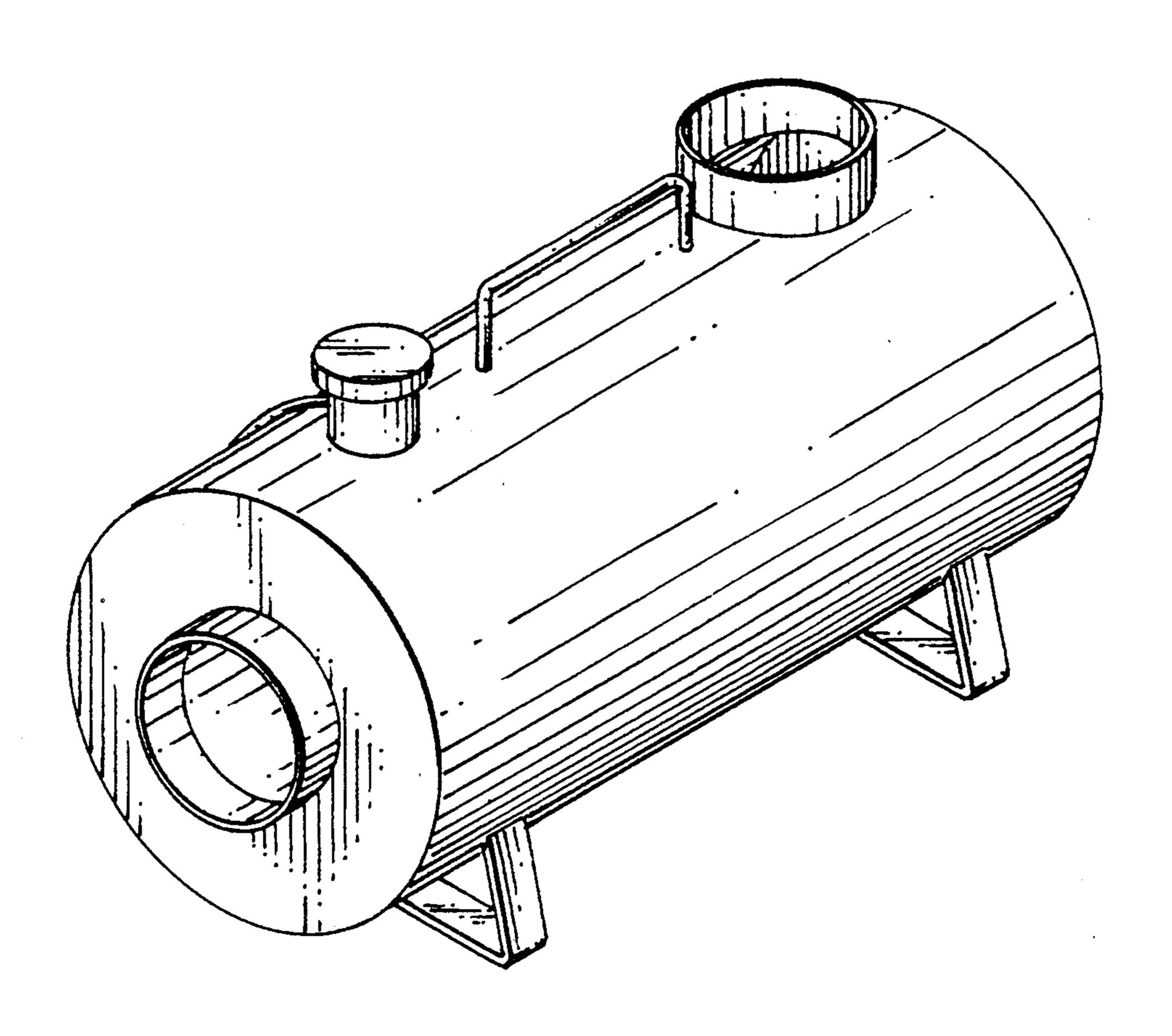
FIG. 3 is a left side elevation view thereof on a reduced scale;

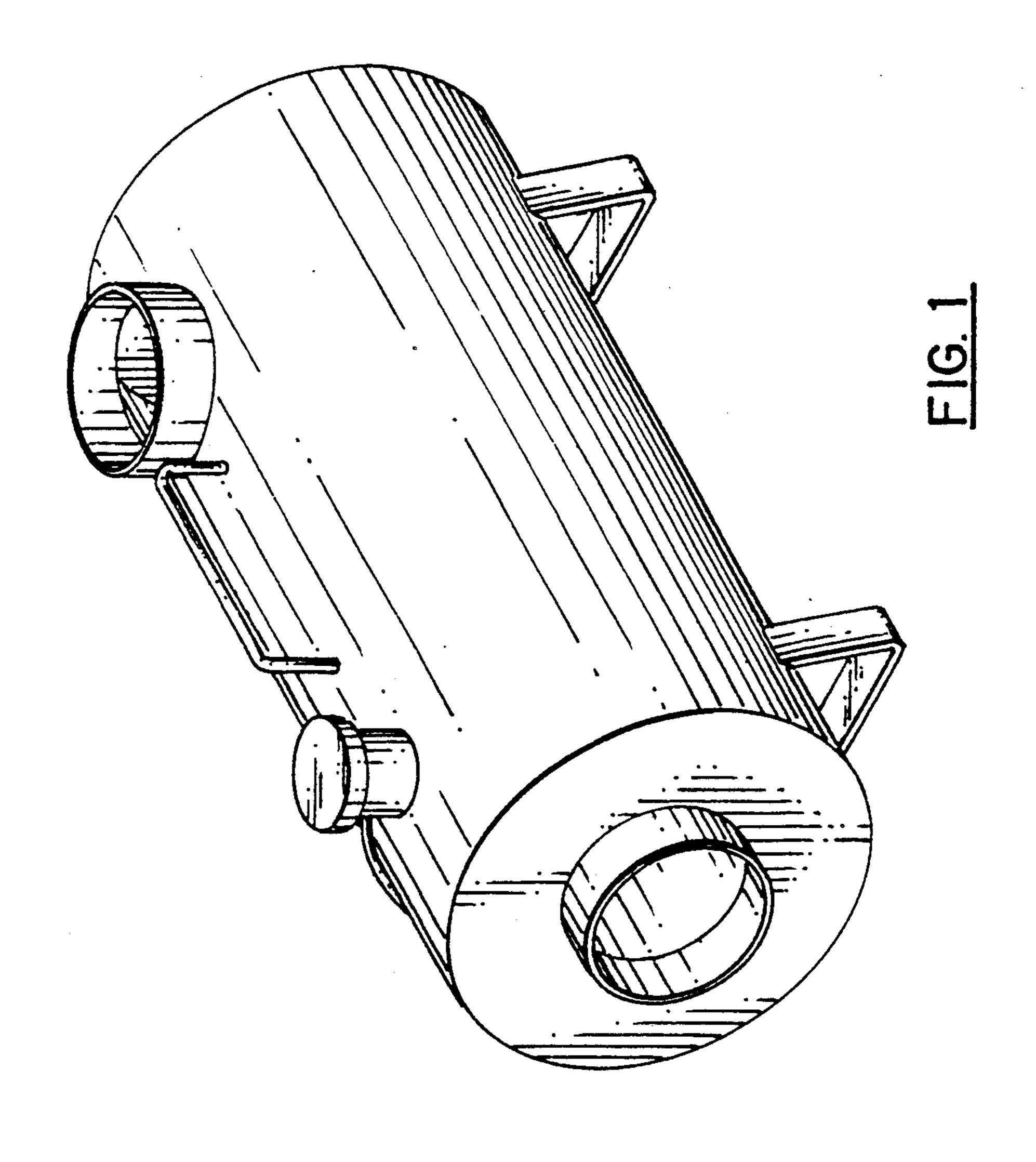
FIG. 4 is a front elevation view thereof on a reduced scale;

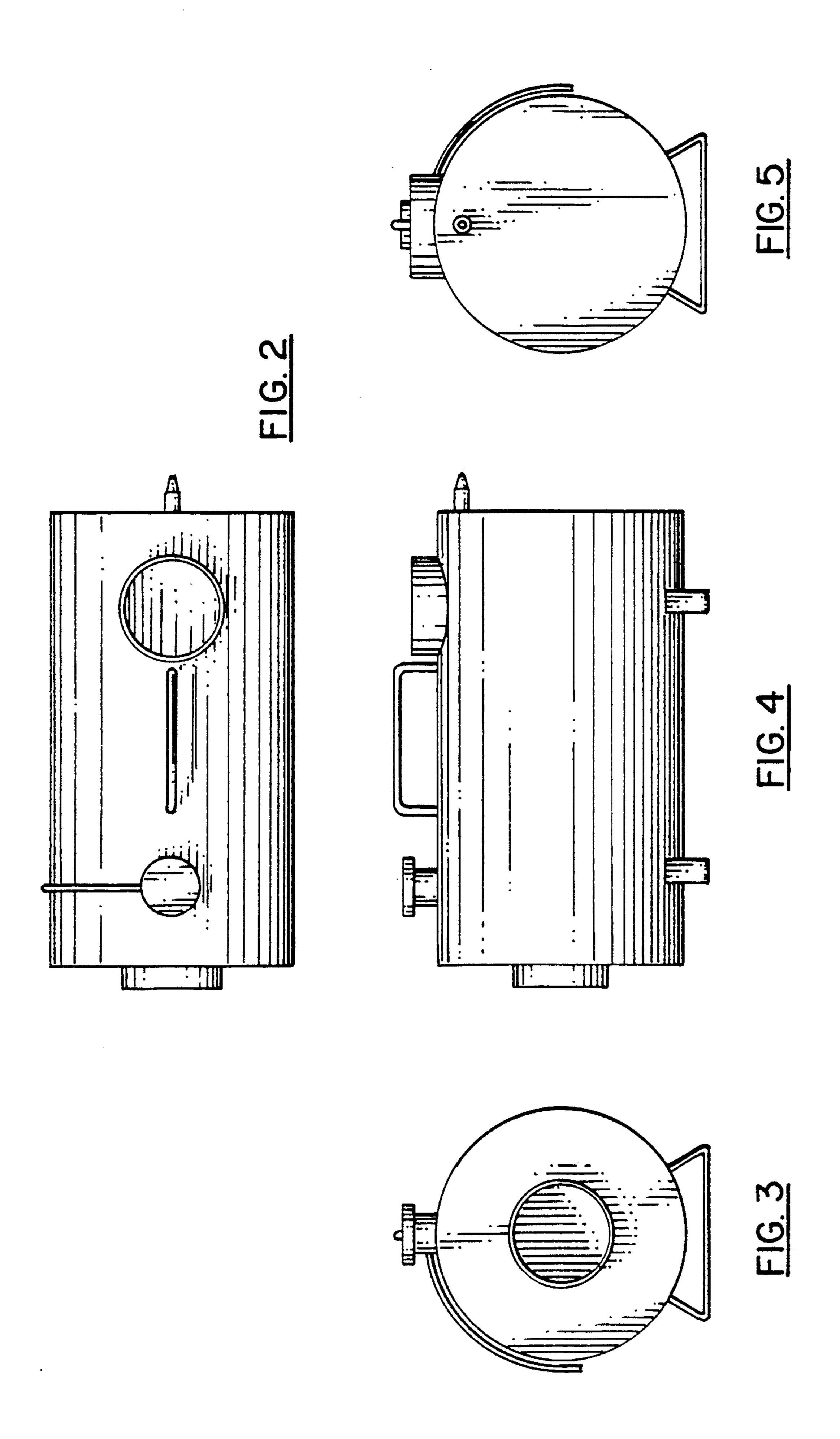
FIG. 5 is a right side elevation view thereof on a reduced scale;

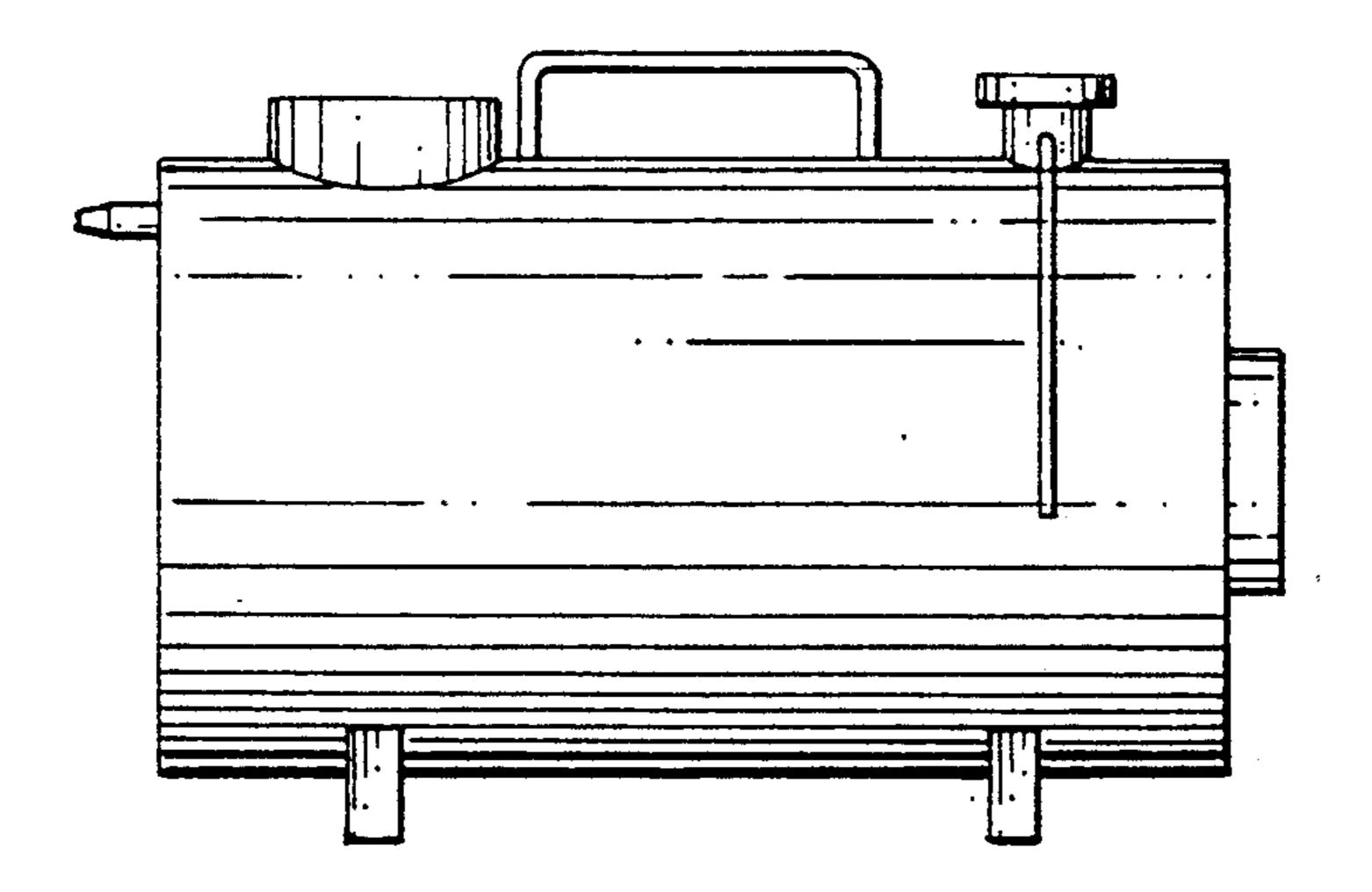
FIG. 6 is a rear elevation view thereof on a reduced scale; and

FIG. 7 is a bottom plan view thereof on a reduced scale.









F1G. 6

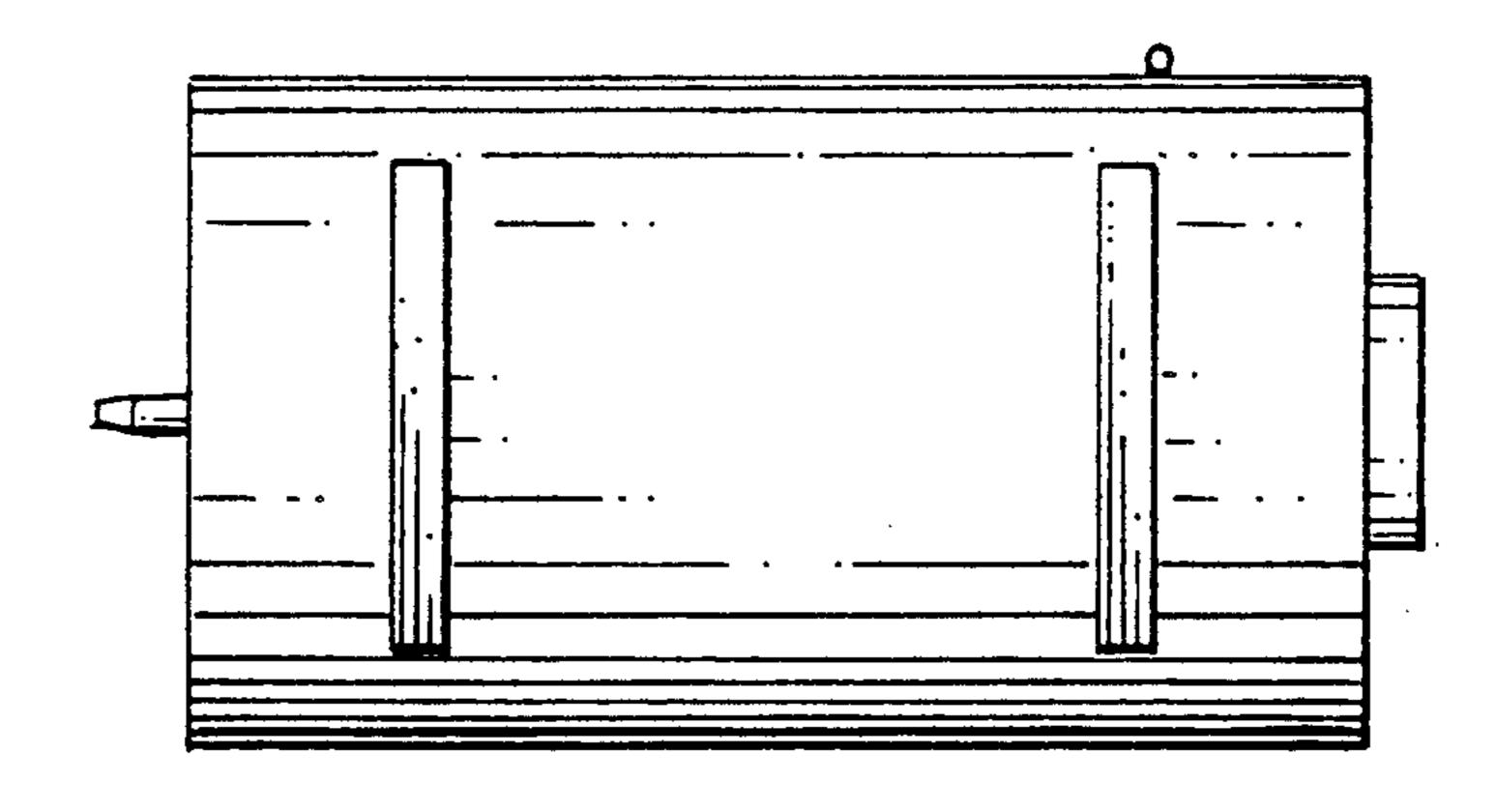


FIG. 7