

June 27, 1950

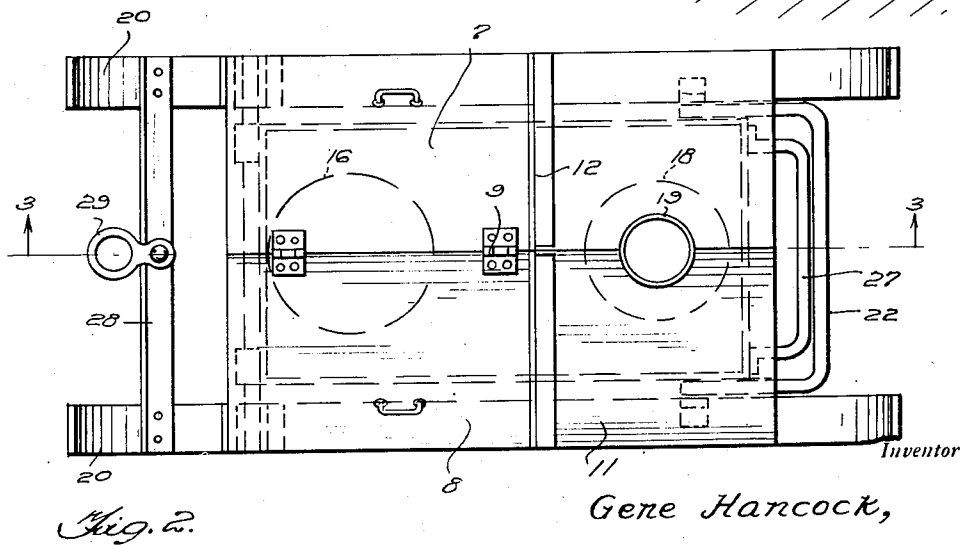
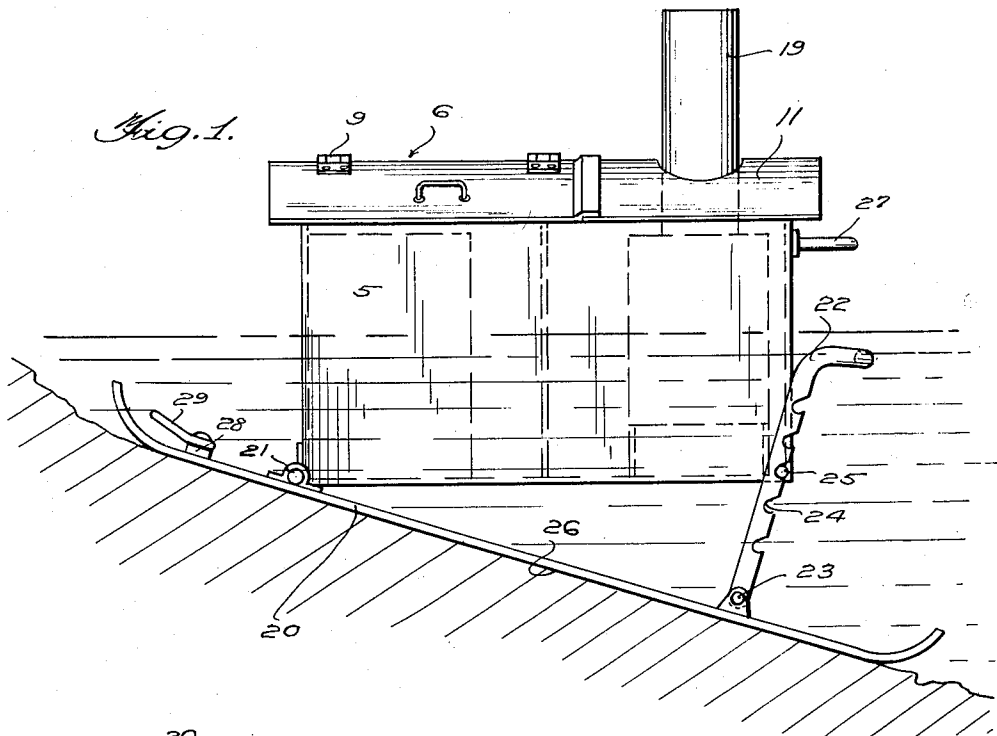
G. HANCOCK

2,512,934

PORTABLE STOCK WATER HEATER FOR PONDS OR THE LIKE

Filed Sept. 26, 1946

2 Sheets-Sheet 1



Gene Hancock,

By

Clarence A. O'Brien
and Harvey B. Jacobson
Attorneys

June 27, 1950

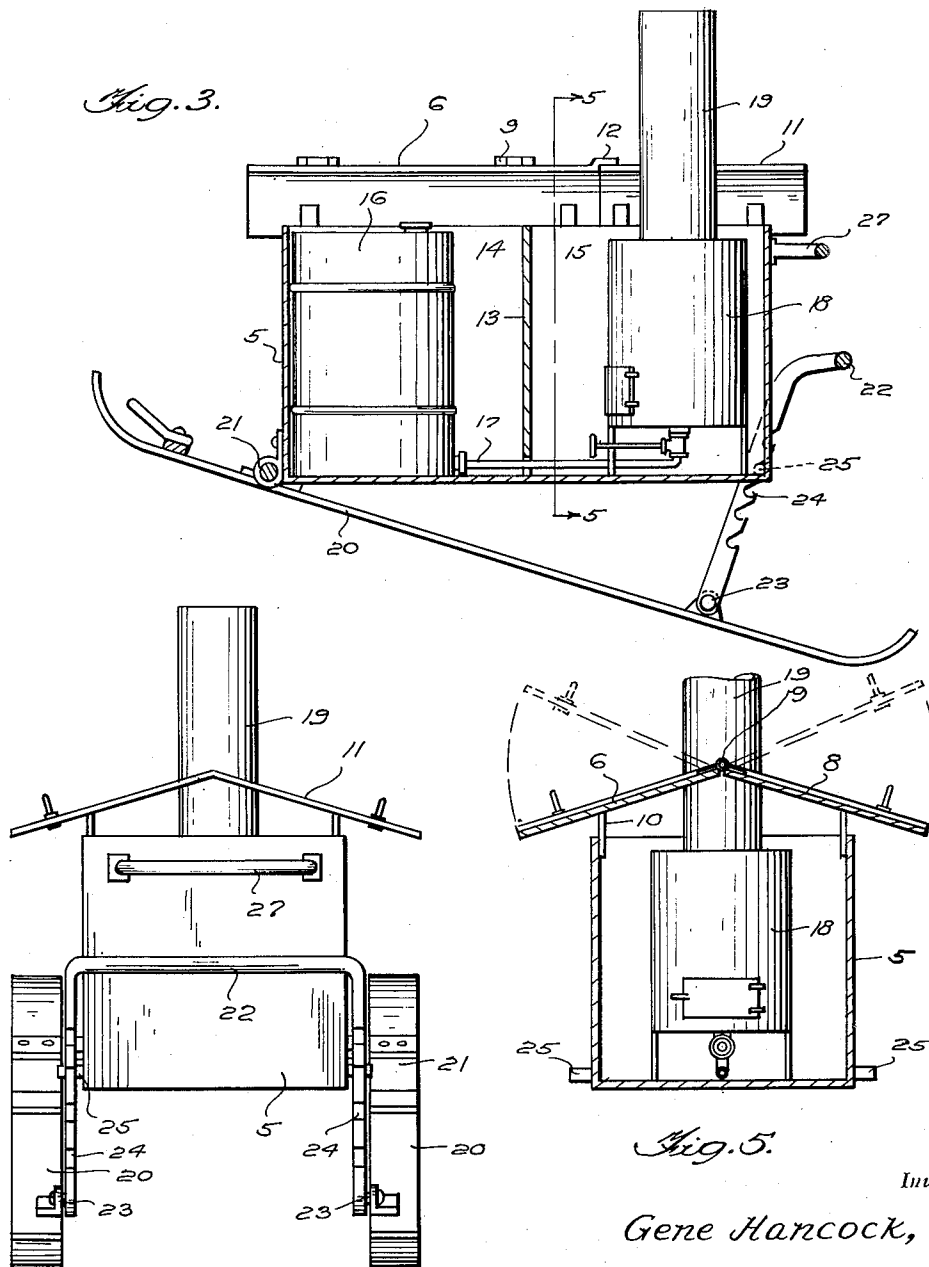
G. HANCOCK

2,512,934

PORTABLE STOCK WATER HEATER FOR PONDS OR THE LIKE

Filed Sept. 26, 1946

2 Sheets-Sheet 2



UNITED STATES PATENT OFFICE

2,512,934

PORTABLE STOCK WATER HEATER FOR
PONDS OR THE LIKEGene Hancock, Aripine, Ariz., assignor of one-
half to John Munell Hancock, Navajo County,
Ariz.

Application September 26, 1946, Serial No. 699,425

2 Claims. (Cl. 126—360)

1

The present invention relates to new and useful improvements in stock water heaters designed for heating water in large open watering tanks, ponds, reservoirs and the like and has for its primary object to provide a portable heater adapted for placing in position in the water to prevent freezing thereof in order that stock on an open range may obtain water.

An important object of the present invention is to provide a portable heating device including an open water-tight tank in which a heating apparatus is supported and which may be partially submerged in the water to be heated whereby to prevent freezing thereof.

A further object of the invention is to provide a stock water heating device of this character including means for supporting the heating tank in a partially submerged position on the bottom of a tank, pond, reservoir or the like and including supporting means for the tank arranged for adjustment relative to the tank to compensate for variations in the slope of the bottom of the tank or pond.

An additional object is to provide a water heating device of this character mounted on skids or runners by means of which the heater may be conveniently moved from place to place.

A still further object is to provide an apparatus of this character of simple and practical construction, which is efficient and reliable in operation, relatively inexpensive to manufacture and maintain in operation and otherwise well adapted for the purposes for which the same is intended.

Other objects and advantages reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawings forming part hereof, wherein like numerals refer to like parts throughout, and in which:

Figure 1 is a side elevational view.

Figure 2 is a top plan view.

Figure 3 is a longitudinal sectional view taken on a line 3—3 of Figure 2.

Figure 4 is a rear end elevational view, and

Figure 5 is a transverse sectional view taken on a line 5—5 of Figure 3.

Referring now to the drawings in detail wherein for the purpose of illustration I have disclosed a preferred embodiment of the invention the numeral 5 designates a water-tight tank of sheet metal which is open at its top and provided with a cover 6 formed of hingedly connected sections 7 and 8 sloping downwardly toward the sides of the tank and hingedly connected to each other

2

at their inner edges by a conventional form of hinges 9. The sections 7 and 8 of the cover are supported in an elevated position above the sides of the tank 5 by means of upstanding posts 10 and the side edges of the cover 6 project outwardly beyond the sides of the tank to prevent rain or snow from entering the tank. If desired, one end of the cover 6 may be constructed of a rigid roof section 11 with the edges of the hinged sections 7 and 8 arranged in overlapping relation with respect to the rigid roof as indicated at 12.

The tank is provided with a transverse partition 13 separating the same into a fuel chamber 14 and a burner or heater chamber 15. A tank 16 is positioned in the chamber 14 adapted to contain a supply of oil from which a feed pipe 17 extends through the partition 13 into the chamber 15.

An oil stove or heater 18 is mounted in the chamber 15, the stove or heater being of conventional construction and is supplied with oil from the tank 16 through the pipe 17. A stack or flue 19 rises from the stove through the roof section 11.

The tank 5 is supported for transportation purposes on a pair of skids or runners 20, the front end of the tank being connected to the runners by means of a conventional form of hinge member 21 to provide for a vertical adjustment of the rear end of the tank relative to the runner. An inverted U-shaped support 22 is pivoted at its ends to the rear portions of the runners by means of pins 23, the rear edge of the support having vertically spaced notches 24 therein for selective engagement by pins 25 projecting outwardly from the rear side edges of the tank 5.

Accordingly, the rear end of the tank 5 may be vertically adjusted on the support 22 to maintain the tank in a horizontal position to compensate for variations in the slope of the bottom 26 of a tank, pond, reservoir or other body of water in which the tank is placed.

The rear portion of the tank 5 is also provided with a handle 27 to raise or lower the same into its adjusted position.

A cross bar 28 connects the front ends of the runners 20 and to the center of which is attached a ring 29 by means of which the device may be dragged over the ground to position the tank in a desired location in a pond or other reservoir.

In view of the foregoing description taken in conjunction with the accompanying drawings

3

it is believed that a clear understanding of the construction, operation and advantages of the device will be quite apparent to those skilled in this art. A more detailed description is accordingly deemed unnecessary.

It is to be understood, however, that even though there is herein shown and described a preferred embodiment of the invention the same is susceptible to certain changes fully comprehended by the spirit of the invention as herein described and the scope of the appended claims.

I claim:

1. A stock water heater comprising a water-tight tank, a self-contained heating plant in the tank to heat the tank, runners supporting the tank, means pivotally connecting one end of the tank to the runners, and a support pivoted to the runners for vertical swinging movement and supporting the other end of the tank in vertically adjusted position on the runners to maintain the tank horizontally when the runners are placed in an inclined position with the tank submerged in a body of water.

2. A portable stock water heater comprising a water-tight tank, an internal heater for the tank, runners supporting the tank, means pivotally

4

connecting one end of the tank to the runners for vertical swinging movement of the tank, and an inverted U-shaped support pivoted at its lower ends to the runners and supporting the other end of the tank in vertically adjusted position to maintain the tank horizontal.

GENE HANCOCK.

REFERENCES CITED

10 The following references are of record in the file of this patent:

UNITED STATES PATENTS

	Number	Name	Date
15	387,462	Upham -----	Aug. 7, 1888
	393,819	Clifford -----	Dec. 4, 1888
	456,357	Dee -----	July 21, 1891
	842,168	Blake -----	Jan. 29, 1907
	1,354,792	Ambruster -----	Oct. 5, 1920
20	1,386,462	Flitcroft -----	Aug. 2, 1921
	1,390,938	Thompson -----	Sept. 13, 1921
	1,580,344	Stillians -----	Apr. 13, 1926
	1,594,535	Lindbeck -----	Aug. 3, 1926
	1,609,214	Snow -----	Nov. 30, 1926
25	2,290,742	Elze -----	Mar. 25, 1941