HB

214

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APR 1 6 1987

April 15, 1987

Bette Cato
Chairman, House Transportation
Pouch V
Juneau, AK 99811

Dear Representative Cato,

I have been contacted by Mr. John Anton with an idea that just might save the Railroad some of their money, the Legislature their time, and the moose their hides.

I am forwarding this same information to the co-sponsors of HB214, The Departments of Fish and Game and Natural Resources, all members of House Transportation, the Alaska Moose Federation and the Alaska Outdoor Council.

This information is being offered for discussion purposes in relation to the objectives outlined in HB214.

Please feel most welcome to call if there are any questions.

Warm Regards,

Curt Menard
Representative

SPECIFICATIONS

Dimension of tank may vary due to placement. At 7.8 gallons per cubic foot, you would have to maintain at least 133 cubic feet. This would give you about 1,000 gallons. You also would have to consider a tank heater if mounted externally. Minimum 3" rigid pipe will be needed to supply the vain pump. Heat tape will be needed concentrically applied to rigid pipe. The nozzle will have to be wraped with heat tape also. Pump must be applied as close to nozzle as possible to prevent water loss. Water supply must be actuated at the end of the nozzle. The pump switch would have to be at hand right at the turret. You would have pressure instantaneously when throwing the switch. You would open and close the nozzle manually but you could not slam the lever shut very fast because it would produce a hammer effect which could possible destroy the hydraulics. Capacity of the pump would have to be of minimum output of 250 GPM. The turret would have to be omni-directional. Pump pressure would have to be minimum of 120 PSI to maintain 90 PSI at end of nozzle due to pressure loss in pipe. Water will have significant force at the extreme range of 200 feet when using a 1" nozzle and an increasing force the closer the target. At this GPM you would have basically enough fluid supply for 4 minutes of steady stream. Therefore by using 3 to 4 second blasts of water the use of the wate is more efficient. Exact placing of this device may be applied to the train itself under direction and consideration of the railroad mechanics since this device may be removed seasonally.

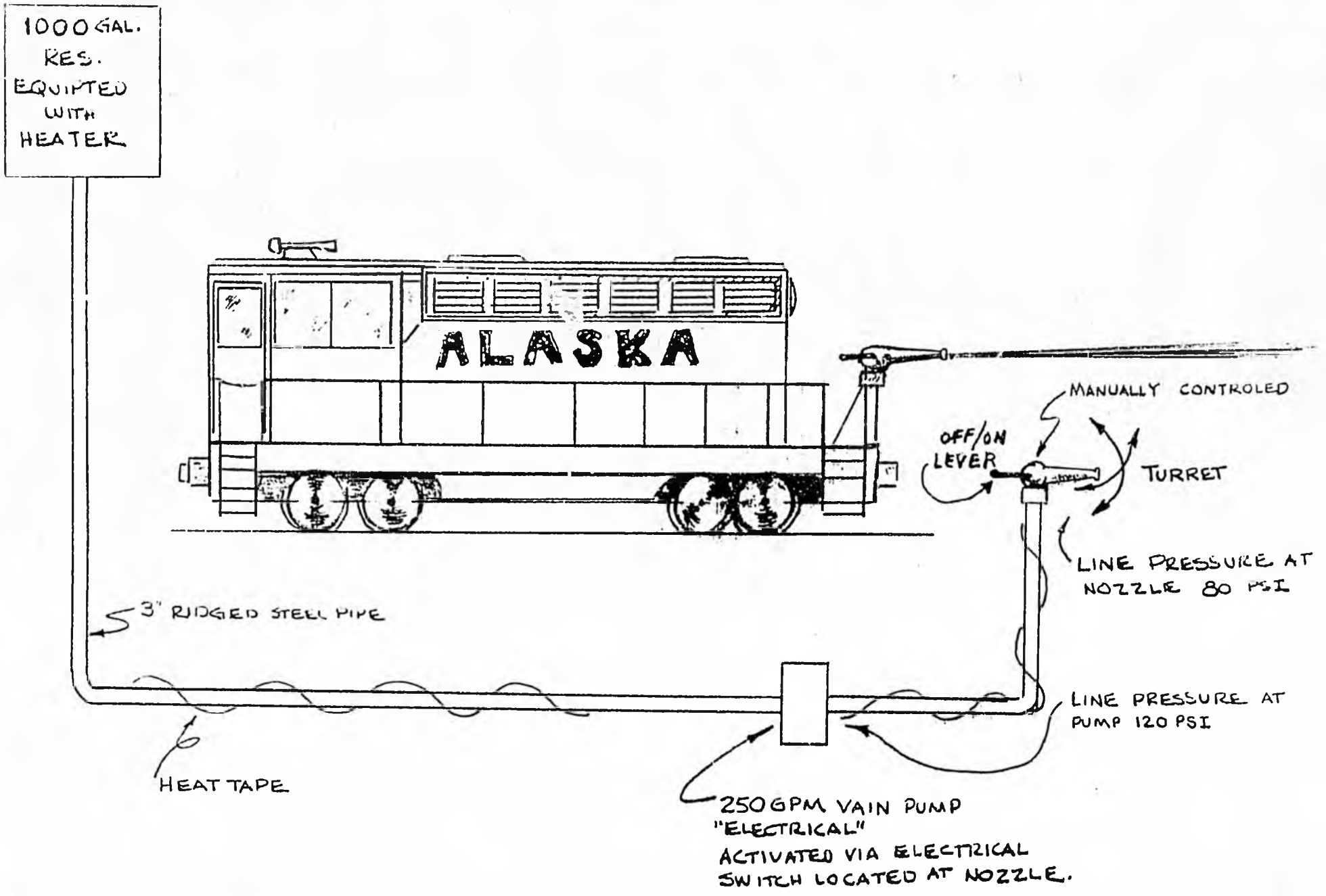
My experience with wild game, is that when pursued they run in a line of least resistance, i.e. down the tracks. They will continue on this course until they sense a more immediate threat. The purpose of this water cannon is to make the moose aware that it is in "contact" with its pursuer, therefore resorting to its natural instinct of changing direction - hence leaving the tracks.

If you have any questions and/or would like to discuss this project please contact me by phone at 248-3114 or correspondence at 3322 W. 88th, Anchorage, AK 99502

Sincerely,

John D Anton

John Anton


1000 GAL.
RES.
EQUIPTED
WITH
HEATER
ALASKA
MANUALLY CONTROLED
OFF/ON
LEVER
TURRET
LINE PRESSURE AT
NOZZLE 80 PSI
3" RIDGED STEEL PIPE
LINE PRESSURE AT
PUMP 120 PSI
HEAT TAPE
250 GPM VAIN PUMP
"ELECTRICAL"
ACTIVATED VIA ELECTRICAL
SWITCH LOCATED AT NOZZLE.

JOHN ANTON