

1946

Lakelee River Yearling Trap and Fence

Trap Construction:

The trap should be built of two units, one consisting of the six pens and the other of the entrance lead, these to be constructed at the hotel, skidded into the water, floated over to the river and bolted to piles already driven and in place. A side platform 24' x 8' will be erected alongside the trap to take the marking trough, the weighing scales, and such like. All measurements are outside measurements.

Note - might get Johnson's floating dock for a month or so.

The Pens:-

16'

The total size of the 6 pens is 24' x 16' x 6', each pen being 8' x 8' x 6'.

The following is the order of assembly -

1. The bottom 2 x 4's - These lie flat to the ground and are all fitted in to flat surface joints, allowing for the outer uprights by cutting twice the thickness of a 2 x 4 off the ends of the cross 2 x 4's i.e. 15' 8 1/8" long. Use a piece of 2 x 4 and draw the saw lines, cutting on the inside of these for a tight fit.
2. The upright 2 x 4's (no mid-central ones) - These are fitted in, each exactly 5'7" long, tapping in cross struts to keep them in place at right angles.
3. The outer, upper, long 2 x 4's - cut at the tips only, removing a 2" square from the top side (24' long). One central 6" spike holds the middle two uprights.
4. The end 2 x 4's - the tips are cut out by 2" squares (underneath) - 16' long.
Note: (3) and (4) can be made on the ground and then driven home on the upright 2 x 4's. Check all angles to be square, otherwise the fake bottom will not function. Insert corner cross bracing to hold the angles as indicated.
5. The two centre cross 2 x 4's - nailed with flat faces to the outer 2 x 4's - 16' less the diameter of two 2 x 4's long = 15' 8 1/8". In the centre of each a 2" cut is removed to allow for (6).

- 15' 8 1/4
6. The centre 2 x 4 - 23' 8 1/8" long, cut in two places centrally to fit into (5).
 7. Cross bracing - the sides and tops must be cross braced as indicated for rigidity. Scaffolding will also be erected to take a pulley for the false bottom. The outside walls of pens 1 and 2 will have planking nailed on later.
 8. The door frames - These are 2 x 2's, 5' 6 1/8" long and inserted 4' and 3' in from the outer edge of pens 1 - 2 and 3 - 4 - four in all. A 6" rise is to be built in at the base of each to allow for the false bottom.
 9. The doors - These are built of 1" planking, nailed to 2 x 2's on one side. They must be absolutely flat with no retaining strips on the faces, only on the edges. The outer dimensions are 1' 11 7/8" x 5' 0". They are built to overlap each other, and must be strong enough to resist a fair current. The hinges must be counter sunk to allow for smooth action of the false bottom.

This completes the frame.

Inserting the Netting -

The netting must be pulled as tight as possible to the frame. For this purpose 1" x 1/4" slats will be used and rolled once in the netting and then nailed in place. The netting surface must always be outermost to the inside of the pen, i.e., no slats to the inside, (except on the bottom and top edges.)

Insert as follows:

1. The complete side wall of netting.
2. The centre netting, to be followed by the central 2 x 2's.
3. The end strips.
4. Four 2 x 2 frames made and covered on both faces with netting and inserted beside doors 3 and 4.
5. A central strip for divisions between 3 - 4 and 5 - 6.

False Bottoms:-

These are to be 7' square of 1/2" piping with slightly bagged netting attached to a 2 x 2 frame with a 6" wall of netting to the iron frame. This latter wood frame will be planed on the inside to present an edge.

Construction of the Funnel Entrance:-

1. Make two "T" frames of 2 x 4, 10' x 16'2" with side struts of 4' as shown. These are the upper and lower frames for the centre. Set these up and complete the centre triangle with planking, inserting a double door, 3' x 5' 4 1/4".
 2. Make two walls of 12' x 6' and two of 5' x 6' with 2 x 4's as indicated.
 3. Join (2) and link up with the frame of the mouth. This latter must be made to accommodate a sliding slat mouth - a 2 x 2 and 2 x 4 might do for the slat with a slat frame of 2 x 2 planed down to run smoothly.
- Note the 6" rise to the pen opening - floor up to this.

Installing the Net

1. The cross guy rope goes in first, 900 feet of it and must be marked in the centre - use a 10' wood strip marked in centre at 5'.
2. At the centre of the cross guy attach a loop and central guy, 110' long. Drive a temporary stake and measure the angles with a compass to check. Drive the central pile, 17' long and add a large rock as anchor, tying it up last.
3. Attach each ^{10'+6} ~~12'~~ V at the 35 foot intervals as well as the extension ropes. From the centre out to shore each net will have joining ropes of the following lengths:- 10', 30', 60', 45', 30', 15', 5', 5', ^{2'}5', ^{3'}5', ^{2'}5', ^{2'}5'. Loop these in and loop the ends of all but the first three over the main guy.
4. After the net is installed thus far and pulled into position to satisfaction, measure out the proper distance for driving 2 piles for the trap attachment. Also add the correct length 2 x 4 to the ends of the net. A 4 x 4 will then

be driven with its outer edges exactly 12' apart i.e. the inner surfaces of the piles will be 12' apart and driven home with 6" spikes and bolted.

Note - the outer 2 x 4's on the trap must be 8 feet high.

Lakelse Lake

Equipment for fence

Netting - 2 strips of 500' seine netting
Rope - any rope, 1" hemp - 1000'
connecting rope, 1/4" hemp - 1000'

Block and tackle
5 lb. sledge hammer
long handle hard brush
28, 7' lengths of 2 x 2 for stakes.

Equipment for trap

6 - 2 x 4 - 24'	
14 - " - 16'	
2 - " - 12'	Total Frame
8 - " - 9'	
8 - " - 10'	
12 - 1 x 12 - 8'	
20 - 2 x 2 - 6'	
6 - 1 x 12 - 12'	
6 - " - 5'	Entrance
6 - " - 4'	
3 - " - 3'	
16 - 1 x 12 - 14'	Platform
48 - 1 x 1/4" - 8'	Net attaching
6 - 2 x 2 - 12'	
6 - 2 x 4 - 16'	Additional bracing
24 - 2 x 2 - 8'	False Bottom
16 - 2" length hinges + screws	
4 - 6" " " + "	
10 lbs. - 6" nails	
10 " - 4" "	
10 " - 3" "	
3 " - 1" "	
8 - 8" bolts	
8 - 6" "	
2 cross cut hand saws	
1 rip saw	
2 hammers	
1 plane	
1 brace and bit	
3/4" chisel	
1 level	
1 45° square (adjustable)	

1 Stilson wrench
24, 1/2" eye screws
6 small pulleys