

Panguitch, Utah,

December 29, 1929.

Mr. Bert Peters,
Boulder, Utah.

Dear Mr. Peters,

In reference to the measurements made at the weirs on the Black, Ormond, Liston and Peters ditch:-

The total water decreed to this ditch is $18/36$ of the whole stream decreed to the bench section. This includes $2/36$ sold by Lymans to Liston.

Weir No. 1 (otherwise the Ormond weir) takes $18/56$ of this stream permitting $38/56$ to go down to Weir No. 2 or the Black weir. As I have no data on the amount of water which Mr. Black takes through No. 1 I have not made any reductions.

The Weir No. 1 takes 0.3214 of the water to Messrs. Black and Ormond. Weir No. 2 takes $13/49$ of $38/56$ of the whole stream or 0.18 and both weirs together turn to Messrs. Black and Ormond 0.5015 of the stream belonging to all four parties. The water owned by Messrs. Black and Ormond amounts to $8/36$ of the stream and the two weirs give them $9.03/36$ which is an excess of $1.03/36$ or in normal water as decreed 0.25 cubic ft. per sec.

To correct this error it will be necessary to:-

- 1:- Reduce the total width of the weir from 49 ins. to 48 ins. (Weir No. 2)
- 2:- Reduce the opening which diverts to Black to $8\frac{1}{2}$ ins. instead of the present size of 13 ins.

If your dividers were made in multiples of 18 ins. it would be so much easier for you all to check the divisions, as you could then easily arrive at the proper proportions.

The stream going to Mr. Haws Liston and yourself should be $10/36$ of the whole stream or $10/18$ of the stream going to Ormond, Black, Liston and Peters. As you and Mr. Liston divide on basis of 4 to you and 6 to Mr. Liston you can make your divider 30 or 40 ins. wide. For 30 ins. you would take $4/10$ or 12" and Mr. Liston $6/10$ or 18" of the 30 inch divider. The larger divider would give you 16" and Mr. Liston 24" which would permit handling high water without choking ditch too much. Sketch of 40 inch divider is attached.

Mr. Bert Peters

Sheet 2.

With the 4/36 each to Ormond, Black, and Peters and the 6/36 coming to Liston (4/36 plus the 2/36 purchased) makes 18 shares.

Recapitulation:-

Weir No. 1, to Ormond & Black
18/56 of 18: equals $\frac{5 \frac{11}{16}}{18}$ or $\frac{5.786}{18}$
Weir No. 2:- divides remaining stream of $\frac{12.214}{18}$

To Black 13/49 of $\frac{12.214}{18}$
equals $\frac{3.241}{18}$

Total of both dividers to Black and Ormond

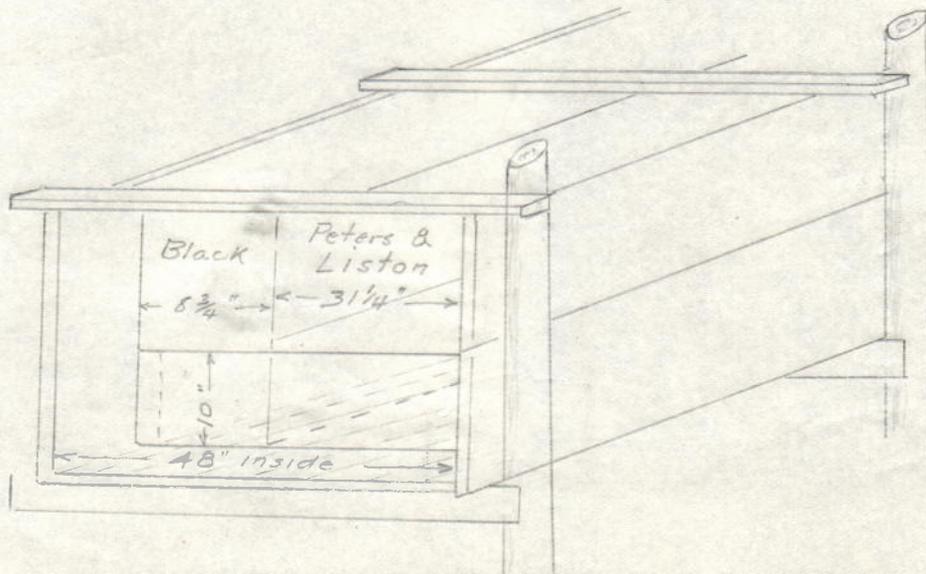
$\frac{5.786}{18}$ plus $\frac{3.241}{18}$ is $\frac{9.027}{18}$

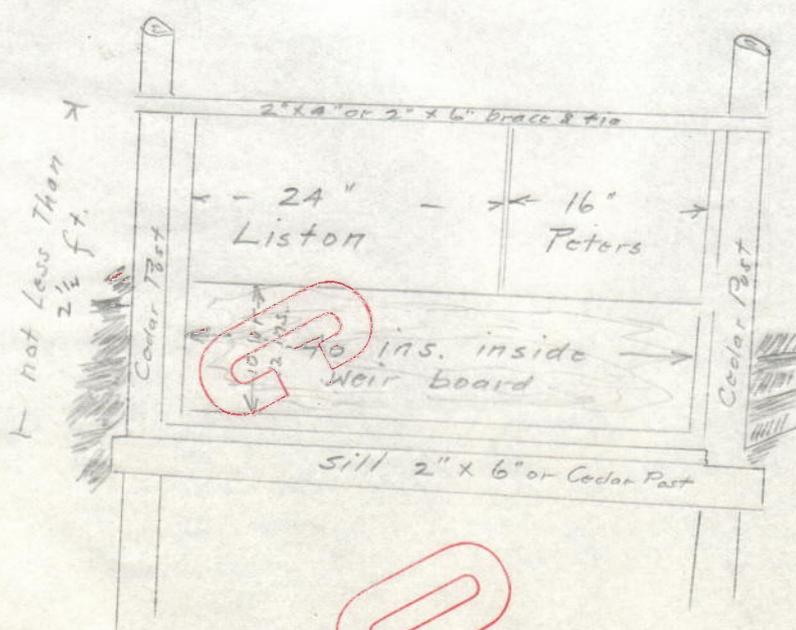
Amount decreed and established to above parties all together is 18/36 as shown above. Black and Ormond have 8/36 or 8 shares. The dividers placed by them allow 9.03 shares to go to them (Black and Ormond).

Divider No. 2 should be made 48" clear inside and the division diverting water to Mr. Black must be made $8\frac{1}{4}$ ins. wide in order to adjust the present error.

Respectfully yours,

John H. Clark





- 7 - Cedar Posts 6" top - 5 1/2 ft.
- 8 - pes - 2" x 6" - 5 ft - sills &c
- 6 - " 2" x 12" - 8 ft - sides
- 3 - " 2" x 12" - 8" bottom
- 1 - " 2" x 8" - 8' - "
- 1 - 2" x 24" - 3' - divider
- 12 - 1" x 12" - 6 ft - ditch

