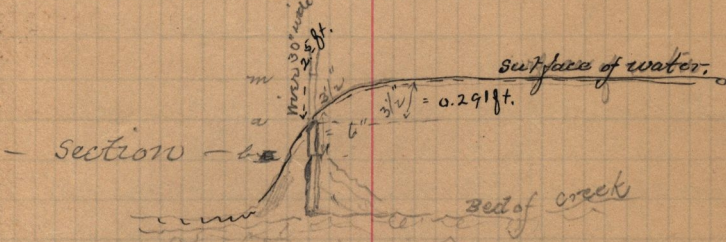


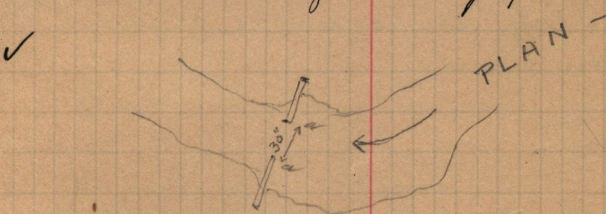
July 27 - 1892 -

Measurement of Coldwater Creek near North Ogden in Weber County, for Jas. T. Johnson & others, 1st at a point about 1000. ft above the mouth of the cañon. by a wrier measurement. stream runs in a northwesterly course, and irrigative land near North Ogden

- DIAGRAM. -



$.291^3 = .024642171$, $\sqrt[3]{.024642} = .157$, $.157 \times 2.5 \text{ Ft} = .3925$
 $.3925 \times 3.33 = 1.31 \text{ cubic ft} = \text{discharge per second.}$



Rule Find cube of the head a m. in ft. - take sq. rt. of this cube, mult this sq. rt. by the length a of the wire in ft and the constant no. 3.33 the result is the discharge

J. B. Francis

trans. 559.

(W.P. Hardesty. applied for job as instrument man)