

Continued from p. 24.

The distance C'M being the distance between the monument at Hall + 24 St and Mt. No. 99 on edge of bluff in the Ogdun being found to be 2824.42' I proceed to check alignment of line C'M, by calculation from data given on p. 24.

From figure opposite:—

$$\text{Angle } M C' D = \text{Angle } X M C' + C' D C' + 07' 00''$$

$$\begin{aligned} \text{Cot}(X C' = 4.704) &= 0.672467 \\ \text{Cot } 2824.42 &= 3.450930 \end{aligned}$$

$$\begin{aligned} \text{Cot } 1'' &= 7.221537 \\ \text{Cot } 343.53 &= 4.685575 \\ &= 1.535962 \end{aligned}$$

$$\text{Angle } X M C' = 343.53 = 5' 43.53''$$

$$\begin{aligned} \text{Cot}(C' C = 2') &= 0.301030 \\ \text{Cot}(D C = 2832.87) &= 3.452226 \end{aligned}$$

$$\begin{aligned} \text{Cot } 1'' &= 4.685575 \\ \text{Cot } 145.62 &= 2.163229 \end{aligned}$$

$$\text{Angle } C' D C = 145.62 = 2' 25.62''$$

Therefore sum of angles is as follows

X M C'	=	5'	43.53
C' D C'	=	2'	25.62
X B C'	=	7'	00.00
M C' D	=	15'	09.15

Mt. Adams + 24 St. - A. p. 3

Mt. 24 St. + Wash. Ave. - B.

Note. Lines represent the same points as do the same lines in figures on pp. 33 and 34.

07'
X C' = 4.704 ft.
C' = Mt. 24 St. + Hall
C' = Transit point
R' South of Mt.

$$DC = 2832.87 \text{ (page 29)}$$

Note: the points B, C' and a point 2 feet north of D, are on the same line.

2824.42'

Mt. No. 99 - D.

Monument #99 (point M) is therefore west of Mt. at Hall + 24 St 2824.43 feet and by my alignment .04 foot south of the prolongation of 24 St. as determined from Mt. at Adams and Washington. = Sta 48465.22.

Then checking the angle as shown on p. 24.