



$\cos. 20^{\circ} 40' = 2.8334$
 $(2.8334)(25) = 70.83$
 $\cotan 70^{\circ} 41' = 2.0511$
 $(2.0511)(25) = 66.28$
 $\tan 20^{\circ} 40' = .3772$
 $(25)(.3772) = 9.43$
 104 Feet

Sta. 20+71.5
 Hub
 $40^{\circ} 31'$ Left
 $\cos 20^{\circ} 15' = .9397$
 $(25)(.9397) = 23.49$
 $\cotan 20^{\circ} 15' = 2.7106$
 $(25)(2.7106) = 67.765$
 $\frac{25}{4.3760} = .023$ Feet
 $\tan 20^{\circ} 15' = .3689$
 $(25)(.3689) = 9.22$

50' Commissioners Journal No. 8 Pages 240-269-274-275
 June 1848
 Survey Notes Logan County Surveyor's Book No. 561 Pages 56 To 60
 Part of North Wood and Round Head Pike.

Length 6212 Feet
 Length 1.1765 Miles.