

Chains

Feet

mer. established by Pol obsn.

The solar apparatus by a.m. and p.m. obsn. defines position for mer. in the mer. established by Pol. obsn. Therefore I conclude that the adjustments of the instrument are satisfactory.

The mag. bearing of the true mer. at 8 h. 30 m., a.m., l.m.t., is N. 23° 30' W. The angle thus determined gives the mag. decl. of 23° 30' E.

$\frac{1}{4}$  Sec. Cor. of Secs. 20 & 29

May 5: Determine a true mer. with the solar at the  $\frac{1}{4}$  Sec. Cor. bet. Secs. 20 & 29.

This Cor. is reported by William B. Douglas, Examiner, to be in error, as follows:

"The  $\frac{1}{4}$  Sec. Cor. is not marked; one B T. northwesterly from  $\frac{1}{4}$  Cor. is mkd. for Sec 29 instead of sec. 20."

An examination of the stone and of the northwesterly tree shows the Examiner to be in error. The Cor. stone is plainly mkd.  $\frac{1}{4}$  on N. face and the northwesterly tree is mkd.  $\frac{1}{4}$  S 20 B T.

The B.T. S. of the line is reported in my original returns as bearing S. 31° E. The true bearing of this tree is S. 31° W.

$\frac{1}{4}$  Sec. Cor. bet. Secs. 20&21

The Examiner also reports that the  $\frac{1}{4}$  post bet. Secs. 20 and 21 is mkd. 20 on N. and 21 on S. side, The Examiner is in error, as the post sets squarely with the cardinal directions and is mkd.  $\frac{1}{4}$  S 20 on W. and 21 on E. face.

$\frac{1}{4}$  Sec. Cor. for Secs. 17 & 20

In accordance with the Commissioner's letter wherein he states that I should have established separate  $\frac{1}{4}$  Sec. Cors. for Secs. 17 & 20, and in accordance with the Examiner's report that I should have established the true  $\frac{1}{4}$  Sec. Cor. instead of a W.C. on line bet. Secs: