

4. Retracement of a Fraction of the E. Bdy. of T. 23 N., R. 48 E.

Chs.

The magnetic bearing of the true meridian at 8h 30m a.m., l. m. t., is N. $17^{\circ}30'$ W.; the angle thus determined gives the magnetic declination $17^{\circ}30'$ E.

The measurements on this survey were made with a Lallie five chain steel tape which was frequently compared with a standard one chain steel tape kept for this purpose; and the slope angles determined by the use of a Dietzgen clinometer.

During the survey of this township the adjustments of the transit were frequently examined, and from latitude tests taken whenever practicable and from repeated tests on Polaris meridians, the instrument was known to be in adjustment.

48 E.

Retracement of a Fraction of the E. Bdy. of T. 23 N., R.

From the old cor. of Tps. 22 and 23 N., Rs. 48 and 49 E. which is an iron post 3 ins. in diam., 12 ins. above ground, firmly set, properly marked and witnessed by a mound of stone S. of cor., I retrace N. on the E. bdy. of T. 23 N., R. 48 E., on the E. bdy. of sec. 36.

40.07 Fall 1 lk. E. of the old $\frac{1}{4}$ sec. cor., hereinafter described.

The bearing of this line is S. $0^{\circ}01'$ E. and the length 40.07 chs. Continue N. on same line.

80.29 Fall 16 lks. W. of the old cor. of secs. 25, 30, 31 and 36, hereinafter described.

The bearing of the N. half mile is therefore S. $0^{\circ}15'$ W., and the length 40.22 chs.

From the cor. of secs. 25, 30, 31 and 36, I continue re-tracement N. on same line bet. secs. 25 and 30.

40.20 Fall 16 lks. W. of the old $\frac{1}{4}$ sec. cor., hereinafter de-