Resurvey of the 8th. Standard Parallel North, through R 32 E

Chains.

meridian thus determined, by cutting a small groove in the stone set Aug. 30, on which the meridian falls. 0.3 lks. east of the mark determined by the solar.

At 8h. 10m, P.m. t., I set off 41° 22' N. on the lat. arc. 9° 00' N. on the decl. arc; and mark a point in the meridian determined with the solar, by a cross on the stone already set 5 chs. N. of my station; this mark falls 0.3 lks. east of the meridian established by the Polaris observations.

The solar apparatus, by p.m. and a.m. observations, defines positions for meridians, respectively about 0' 16", E. and W. of the meridian established by the Polaris observations; therefore, I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian, at 8h. 30 m, a.m., is N 18° 55' W, the angle thus determined gives the mag. decl. 18° 55' E.

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From the standard Tp. cor. already described, I retrace E. on the 8th. Standard Parallel North, through R 32 E, and S. of sec. 31.

Since I have but one set of Chainmen I measure the distances twice with the same set, instead of using two sets.

Diffrence bet. two measurements of 40.00 chs. by the same set of chainmen, is 4 lks; position of middle point.

By 1st. measurement, 40.02 chs.

By 2nd. measurement, 39.98 chs., the mean of which is 40.00 chs., at which point I search diligently but find no standard 1/4 sec. cor.

Diffrence bet. two measurements of 80.00 chs. by the same set of chainmen is 6 lks. position of middle point.

By 1st. measurement, 80.03 chs.

By 2nd. measurement 79.97 chs., the mean