Chains.

and mark the meridian thus determined, by driving a tack in the peg set Cor. 7, on which the meridian falls .2 ins. west of the mark determined by the solar.

At 8h 00m a. m., l. m. t., I set off 40° 54' N. on the lat. arc; 5° 52.1m S. on the decl. arc, and mark a point in the meridian determined with the solar, by a pencil mark on the peg already set 5 chs. N. of my station; this marks falls .3 ins. west of the meridian established by the Polaris observation.

The solar apparatus, by f. m. and a. m. observations, defines positions for meridians, respectively about 10" east and 16" west 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 10m a. m., is N. 18° 30' W.; the angle thus determined gives the mag. decl., 18° 30' E.

Oct. 8: At 9h 00m a. m. l. m. t., I set off 40° 56' N. on the lat. arc, 5° 54' S. on the decl. arc; and determine a meridian with the solar at the standard cor. of T 36 N., Rs. 32 and 33 E., which is an old mound of earth, with pits, N., E., and W. of same. Lying alongside of mound, is a redwood post, 24 x 4 x 3 ins., marked as described by the surveyor general. This cor. is in lat 40° 56' N., longitude 118° 19' W.

Thence I run

West, on a retracement, of the seventh standard parallel N., along the S. bdy. of sec. 36.

40.00 After diligent search, I fail to find any evidence of the standard ¼ sec. cor. for sec. 36.

80.00 After diligent search, I fail to find any evidence of the standard cor. of secs. 35 and 36.