

DEPENDENT RESURVEY OF EAST BOUNDARY, T. 41 N., R. 22 E.

of the sun's lower limb and the transit of the sun's east limb.

Mean watch time of apparent noon 11h 55m 07s a.m.

Watch slow of local mean time 3m 3s.

Mean observed altitude $70^{\circ}58'15''$.

Reduced latitude $41^{\circ}32'30''$.

This township was surveyed in conjunction with the survey of T. 42 N., R. 22 E., and during the progress of the survey, the instrument was kept in good adjustment, frequent tests being made on the meridian determined by observations made on Polaris and by direct altitude observations made on the sun.

MEASUREMENTS.

All measurements were made with Lallie steel tapes 5 chains in length, compared with a standard steel tape 1 chain in length.

The measurements were made on the slope, the vertical angles determined by means of clinometers, the adjustments of which were made by comparing their readings with the transits, and the slope measurements properly reduced to true horizontal distances.

DEPENDENT RESURVEY OF EAST BOUNDARY, T. 41 N., R. 22 E.
REESTABLISHMENT OF SURVEYS EXECUTED BY G.W. GARSIDE AND
C.S. PREBLE, UNDER CONTRACT 61 in 1874.

From the standard cor. T. 41 N., Rs. 22 and 23, E.,
hereinafter described.

North, on retracement line bet. secs. 31 and 36.

40.31 Fall 18 lks. W. of the original $\frac{1}{4}$ sec. cor. secs. 31 and 36, hereinafter described.

The course of this half mile therefore is $N. 0^{\circ}15' E.$,
and the distance is 40.31 chs.

Offset to the $\frac{1}{4}$ sec. cor. and continue North