

10.

Retracement W. Bdy. of T. 28 N., R. 45 E.

Chains

Retraced by H.W. Reppert.
 May 23, 1915: At 8h. 00m., a.m., l.m.t., I set off $40^{\circ}19\frac{1}{2}'$ N. on the lat. arc; $20^{\circ}28\frac{1}{2}'$ N. on the decl. arc and determine a meridian with the solar at the cor. of Tps. 28 and 29 N., Rs. 44 and 45 E., which is a granite stone, 12x12x22 ins. set firmly in a mound of stone, marked and witnessed as described by the Surveyor General. Thence I retrace S. on the W. bdy. of T. 28 N., R. 45 E., making diligent search at intervals of 40.00 chs. for $\frac{1}{4}$ sec. and sec. cors. and finding no traces of the same. At 240.00 chs. I set a temp. point for the cor. of secs. 13, 18, 19 and 24 at the close of the days work.
 May 24, 1915: I set off $40^{\circ}16\frac{1}{2}'$ N. on the lat. arc; $20^{\circ}40'$ N. on the decl. arc and at 9h. a.m., determine a meridian with the solar at the above temp. point for the corner of secs. 13, 18, 19 and 24 and continue my random line S. bet. ranges 44 and 45, making diligent searches for the $\frac{1}{4}$ sec. and sec. cors. at intervals of 40.00 chs. but finding none and at a distance of 480.00 chs. from the cor. of Tps. 28 and 29 N., Rs. 44 and 45 E. I set a temp. point for the cor. of Tps. 27 and 28 N., Rs. 44 and 45 E. At this point I again make a careful search for the old township corner but am unable to find any traces of the same.

Survey of random line of S. Bdy. of T. 28 N., R. 45 EAST

Random line by W.R. Johnston.
 May 24, 1915: From the above point for the cor. of Tps. 27 and 28 N., Rs. 44 and 45 E. I run S. $89^{\circ}48'E.$ on a random line on the S. bdy. of T. 28 N., R. 45 E., and at 40.41 chs. set a temp. point for the $\frac{1}{4}$ cor. of secs. 6 and 31. No traces of the old $\frac{1}{4}$ cor. are found after careful search. I continue my random line E. setting temp. points at intervals of 40.00 chs. and making careful search for the sec. and $\frac{1}{4}$ sec. cors. at these points, but finding no traces of the cors. At a distance of 160.41 chs. I set a temp. point from which the old cor. of secs. 4, 5, 32 and 33, which is a quartzite stone 6x8x20 ins. marked and witnessed as described by the Surveyor General, firmly set, bears N. $56^{\circ}06'W.$ a distance of 10.66 chs.
 I now return to the temp. point for the cor. of Tps. 27 and 28 N., Rs. 44 and 45 E., which was set at a distance of 480.00 chs. S. of the cor. of Tps. 28 and 29 N., Rs. 44 and 45 E.
 Thence, I run N. $56^{\circ}06'W.$ a distance of 7.99 chs. to a point for the reestablished cor. of Tps. 27 and 28 N., Rs. 44 and 45 E., in accordance with the following proportion:

$$640.41 : 10.66 :: 480.00 : 7.99$$

At this point I reestablish the cor. of Tps. 27 and 28 N., Rs. 44 and 45 E., as follows:
 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, with brass cap mkd.,

T28N	
R44E	R45E
S36	S31
S1	S6
T27N	
1915	

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high S. of corner.