

## County Surveyor's Record, Douglas County, Oregon

T 23 S., R. 3 W.

## CHAINS

The history of surveys of township 23 south, range 3 west, in the portion of the township covered by the resurvey, is as follows:

The southeast corner of section 3 was set by T. H. Hutchinson, in 1855. The east boundary and subdivisions were surveyed by J. P. Currin, in 1882. The east boundary was resurveyed and closing corners established for township 23 south, range 2 west, by H. L. Chandler, in 1893.

The resurvey was made at the request of the Eugene District Manager for administrative purposes of the Bureau of Land Management.

Preliminary to the resurvey the lines of the original survey are retraced and search is made for all corners and other calls of the record. Identified corners are remonumented in their original positions, lost corners are reestablished and remonumented at proportionate positions based on the original record. The retrace-ment data are thoroughly verified and only the true line field notes are given herein. Only lines bounding public land are blazed.

The survey was executed with a solar compass made by Young and Sons, serial number 8233, and a solar compass made by W. & L. E. Gurley Co., serial number 10385, constructed in accordance with the standard specifications of the General Land Office. The instruments were in good condition, having been placed in satisfactory adjustment prior to beginning the survey. The instruments were also tested and checked frequently during the course of the survey. Measurements were made on the slope with a Dietzgen steel tape, two chains (132 feet) in length, graduated every link, and a Lallie steel tape, five chains (330 feet) in length, graduated every link for the first 100 links and the balance at intervals of ten links. Plumb bobs were used at both ends of the tape and the vertical angle of each measurement was ascertained by the use of two clinometers. Only the horizontal equivalents of the measurements made are entered in the field note record. The tapes were tested by comparison with a standard steel tape, one chain in length, and found to be correct. Lines that do not form a closure were double chained to verify the distance.

The directions of the lines were determined by the solar compass method.

The geographic position of the corner of sections 24 and 25 only, on the east boundary of the township, as scaled from the Culp Creek Quadrangle Map, as prepared by the Geological Survey, in 1955, is as follows:

Latitude  $43^{\circ} 32.8'$  N.                      Longitude  $122^{\circ} 59.2'$  W.

The mean magnetic declination is  $20^{\circ} 09'$  E.

Dependent Resurvey of a Portion of the E. bdy., T. 23 S., R. 3 W.,  
Willamette Meridian, Oregon  
(Restoring the 1882 survey by J. P. Currin  
and the 1893 resurvey by H. L. Chandler)

Beginning at the cor. of secs. 24 and 25 only, on the E. bdy. of the tp., determined at record distance from two of the original bearing trees and substantiated by a third bearing tree which does not conform with the record for either bearing or distance:

A hemlock snag, 26 ins. diam., bears  $N. 57\frac{1}{4}^{\circ} E.$ , 50 lks. dist., with scribe marks S19 BT visible on bark blaze. (Record bearing,  $N. 45^{\circ} E.$ ) Chandler reported destroying the marks on this tree in his 1893 resurvey.