Surveying Record

Kept by Benj. Tippett.

Note

Surveys made by myself before the fall of 1848 were made with a common instrument, the one used by my Father, and before him by Thos. A. Reeder. It differs about 1/4 of one Deg. from the one I have used since Oct. 1848.

My present Compass was used from Oct. 1848 until the Spring of 1852 though the points did not cut the same degree at opposite ends by more than 1/2 a Deg. In 1852 it was rectified and, when rectified it ran more to the left hand than formerly by nearly 1/2 of a Deg.

I consider my instrument now correct, or as near so as is general — It agrees precisely with the one formerly used by E. J. Millard and now by Jno. E. Wathen. also with Geo. W. Pembroke's.

In apriel 1860. I bought a transit of the Gurley Troy N. York. After using this instrument for a few months, I equal that I had ever used three of the common kind. Gurley's transits are almost ridiculously accurate — I saw a compass with a 5 min. vernier, made by Young Philadelphia that was very correct.