



US10 FAUTH & CO., Washington, DC
Level of Precision No. 2237



US11 GEORGE B. GRAVES, Winchester, VA
Surveyors Vernier Compass



US12 CHARLES F. HELFFRICHT, Philadelphia, PA
Plain Compass

**US11 GEORGE B. GRAVES, Winchester, VA, Surveyors Vernier Compass,
ca. 1860, R8, C9R**

George B. Graves was born in Loudoun Co., VA, June 1792. Little is known of him and his making of compasses. In 1821 he bought parts of compasses from the estate of Goldsmith Chandlee. It is believed that many of the compasses Graves made were largely, or in part, made up of the Chandlee parts. It also appears that other compasses, this one included, were made to resemble Chandlee's work. The workmanship is not of Chandlee's quality. Graves died near Winchester, VA, January 29, 1873.

The silvered compass contains a flat needle with an external lifter actuated by a knob under the plate. The face is heavily decorated with engraving and punch work. "G.B.Graves" and "Winchester" are engraved on either side of "S" on the face. There are two fancy outkeepers at east and west on the face, marked "P" and "M", actuated by knobs beneath the plate. There is a single brass spirit level set in the face at north. The sight vanes have baroque pointed tops, similar to the ones on the compass by Goldsmith Chandlee (US7). The vernier for magnetic correction is operated by loosening the clamp on the south arm and rotating the compass. The proper rotation is read from the vernier scale on the north arm. There is an "L/T" table engraved on the south arm (see US7). A brass cover fits over the compass, engraved with concentric circles. In the center, engraved in script is, "Wm.S.Marye/Hillside/Page Co/Va", clearly the owner for whom the compass was made. William Staige Marye was 25 years old in 1860.

The compass was refinished to a bright brass finish by Gurley, The 4 knobs are replacements made by K.A. Hancox and the compass face was silvered by Robert Keheler, of Gurley. It was the gift of Cecil Hanson, Pasadena, CA.

**US12 CHARLES F. HELFFRICHT, Philadelphia, PA, Plain Compass,
1853, R8, C9R**

Charles Helffricht was born in Germany in 1816 and died in Philadelphia, June 6, 1863. He and his brother William shared a shop on S. Front St. They succeeded S. & J. M. Davenport in 1838, who were successors to William Davenport, whose instruments Helffricht's early work resembles. Later work resembles Young's.

The silvered compass contains a thin bar needle with an internal lifter actuated by a knob under the main plate. The name, "Charles F. Helffricht/Philadelphia" is engraved within an inner circle on the face; the word "warrented" is engraved within the fleur-de-lis at north. The sight vanes have slightly rounded tops. There is a 1" diameter circular spirit level on the south arm of the main plate and an outkeeper, used as a chaining tally, on the north arm. This compass was made in 1853 and is so marked under the jacob staff socket.