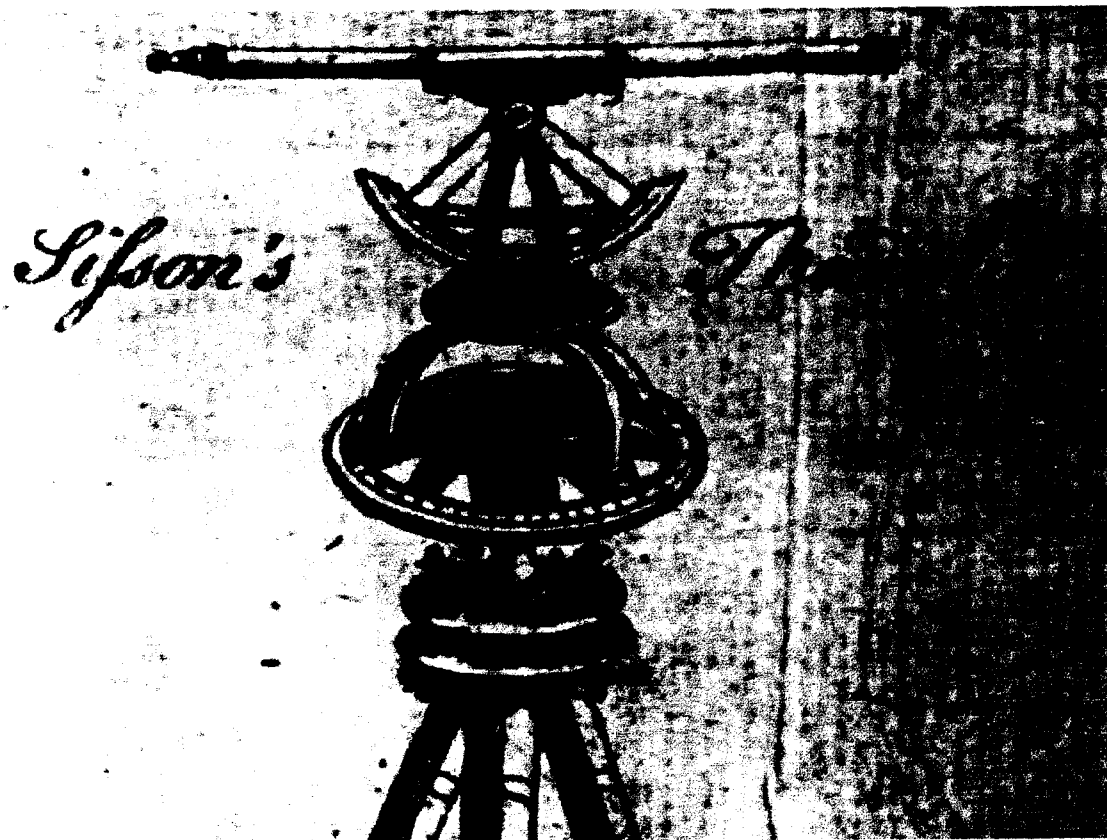


(The Return of)

# THE COMPLEAT SURVEYOR



SPRING/SUMMER 1998

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## **SORRY FOR THE DELAY**

I have been trying to mail this catalogue out for months. I apologize to all for the delay, especially to those who requested a catalogue months ago. I am going to try and get back on schedule - a new catalogue every six months. That means the next catalogue is due out in November 1998, just in time for Christmas.

## **THE ELECTRONIC WORLD**

I am communicating with more and more people by email, and conduct a good deal of business this way. The ability to cut and paste responses, and to flash messages to my dad for reply, makes email perfect for The Compleat Surveyor business. The postage and phone savings are significant as well.

Please send me your email addresses if possible. Eventually, I hope to send out most of my catalogues by email - this should allow me to get catalogues out more frequently.

## **RARE BOOK FINDS**

I have located a number of very rare books lately, including (i) a previously unrecorded copy of the *General Instructions to His Deputies*, Surveyor General of the United States, For Wisconsin and Iowa, (William W. Coriell, Printer, Dubuque, 1840) and (ii) a very early English language surveying text by Edward Worsop, *A Discoverie of Sundrie Errours and Faults Daily Committed by Landmeaters* (London, 1582).

While these two books have already found a good home, please let me know if you are looking for something very special, especially pre-1800 surveying texts or pre-1900 government items. I have developed many sources over the past 2.5 years, and now have access to some very hard to find surveying-related materials.

## **TERMS OF SALE**

All sales are first come, first serve. You can reserve a book with a phone call. Call Bud Uzes to order at (916) 652-5167. For shipping, please include \$4 for the first book ordered, and \$2 for each book thereafter (unless otherwise stated in the catalogue). USC&GS Annual Reports are \$5 each for postage (big and heavy). Shipments outside the continental U.S. will be at cost. Please make checks payable to Russ Uzes.

All Books guaranteed to be accurately and conservatively described. If you disagree, return the book in five days (plus mailing time) and I will refund the purchase price. Nobody has returned a book yet, however, and I hope to keep this record intact.

**CALIFORNIA RESIDENTS PLEASE ADD 7.25% SALES TAX**

## 1711 BOOK BY MARTINDALE

**MARTINDALE, Adam**, *The Country Survey-Book: or, LAND-METER'S Vade-Mecum. Wherein the Principles and Practical Rules for Surveying of Land, are so plainly (tho' briefly) delivered, that any one of ordinary parts (understanding how to add, subtract, multiply and divide,) may by the help of this small Treatise alone, and a few cheap Instruments easy to be procured, Measure a parcel of Land, and with judgement and expedition Plot it, and give up the Content thereof, With an Appendix.*, 8th ed., (London, 1711), first published in 1682, 3.5" x 6.0", 119 pages with 3 folding plates showing 39 figures; plus a 37-page appendix dated 1710 containing 12 problems on compound interest and annuities; secure leather binding; this scarce little work includes information on how to become a surveyor by self-study. It was reprinted a number of times. Martindale relied primarily on surveying by the chain, although he included descriptions of instruments and particularly the plain table. **\$500**

## SCARCE MASSACHUSETTS SURVEY

**TRIGONOMETRICAL SURVEY OF MASSACHUSETTS**, *Tables of Bearings, Distances, Latitudes, Longitudes, &c. ascertained by the Astronomical and Trigonometrical Survey of Massachusetts*, (Boston, 1846), 7.0" x 10.8", 73 pages with one folding plate titled "Plan of the Principle Triangles of the Trigonometrical Survey of Massachusetts." The work consists of a 22 page introduction and history of the survey plus tables giving positions of numerous trigonometrical stations. The field work and mapping were conducted between 1831 and 1844, principally under the direction of the noted scientist, Simeon Borden. Some of Borden's devices and methods were later adopted into practice by the U.S. Coast Survey. Discrepancies with the state's inaccurate town surveys were noted and corrections made. A rare copy of the results of this important survey. Paperback with cracking of hinges and edges of binding; plate has folding creases but no tears. **\$175**

## ROBERT GIBSON

During the late 18th and early 19th centuries, Gibson's Surveying was the American standard against which other works were compared. The earlier editions of 1739, 1752, and 1768 were published in Dublin. The first American edition was published in 1785 in Philadelphia. Gibson describes use of the circumferentor (compass), theodolite, semicircle, and plane table. He also describes and gives examples for the taking of field notes and the calculation of area. In the 1800's different versions of Gibson were published by Americans. Most of these editions were by either James Ryan or John D. Craig.

**GIBSON, Robert**, *A Treatise of Practical Surveying; which is demonstrated from its First Principles. Wherein Every Thing that is Useful and Curious in that Art, is fully considered and explained - - With Alterations and Amendments, Adapted to the Use of American Surveying*, 6th Ed., (Philadelphia, 1792); 5.2" x 8.2", 288 pages of text plus 150 pages of tables and all 13 folding plates; browning as usual and some water staining; tight leather binding with scuffing on hinges and beginning separation to lower front hinge; original owner's inscription John Peden, Jan 1st, 1795. A nice copy. **\$225**

**GIBSON, Robert**, *A Treatise of Practical Surveying; Which is demonstrated From its First Principles. Wherein Every Thing that is Useful and Curious in that Art is fully considered and explained*. 7th ed., (Philadelphia, 1796), 5.0" x 8.2", original calf binding showing halfway split to rear hinge; 288 pages of text plus 150 pages of tables; 13 folding plates at the rear of the book noting that a few have edge damage; ink inscriptions on title page of Peter Ensminger, the 27th Day October 1798; some ink notations within text; light foxing to some pages. **\$200**

**GIBSON, Robert**, *The Theory and Practice of Surveying, containing All the Instructions requisite for the skilful practice of this Art*, enlarged by D.P. Adams, (New York, 1814), 324 pages of text plus 184 pages of tables, 13 folding plates, 5.4" x 8.8"; inscribed "Mathias Dunmisa [sp?], his book, March the 18, 1824"; complete as to text and 13 folded plates; some darkening to pages as usual; contemporary leather binding scuffed and front hinge split; Abraham Lincoln reportedly studied from this same edition. **\$125**

**GIBSON, Robert**, *The Theory and Practice of Surveying; containing All the Instructions Requisite for the Skillful Practice of the Art. With a new set of Accurate Mathematical Tables. Newly Arranged, Improved, and Enlarged with Useful Selections, by James Ryan*, (Hartford, 1839), 5.2" x 8.3"; 248 pages of text plus 164 pages of tables; 14 folded plates in better than usual condition, scattered light foxing and browning as usual; frontispiece has illustrations of theodolite, sextant and ship's compass. Very nice condition and showing little use. **\$125**

## ZACHARIAH JESS

Jess' Surveying first appeared in 1799. The second and final edition was published in 1814. As instructive texts, Jess' books are not quite as good as Gibson's, but superior to Flint's. Books by Jess are hard to find and command higher prices than others of the period.

**JESS, Zachariah**, *A Compendious System of Practical Surveying, and Dividing of Land*, 2nd ed., (Philadelphia, 1814), 5.1" x 8.5", 227 pages of text plus 154 pages of tables; divided into 31 sections including the usual geometry and trigonometry, plus sections on taking angles, compass, inaccessible boundary, division of land, offsets, enlarging maps, surveying with the chain only, etc.; original leather binding with scuffing to edges and hinges; front and rear blank endpapers torn, name A.C. Brown, 1826 in ink. **\$180**

#### **ABEL FLINT**

Editions of Flint's Survey were published for a half century beginning in 1804. It was a widely used text and reference book. A testimonial by two noted early surveyors states: "The Surveyor who shall own this will not be under the necessity of purchasing Gibson which is a more expensive work." Abraham Lincoln reportedly studied from texts by Gibson and Flint.

**FLINT, Abel**, *A System of Geometry and Trigonometry, Together with a Treatise on Surveying*, 2nd ed., (Hartford, 1808), 5.5" x 8.8", 80 pages of text and 88 pages of tables, all 4 plates present although showing damage to outer right edges and a small amount of printed matter missing from that edge on plate 4, foxing throughout, outer cover hinges separated. **\$110**

#### **CHARLES DAVIES**

*Davies' Surveying* was written for the Military Academy. It became the most popular school text and professional handbook during the mid-19th century. The U.S. General Land Office extracted information from Davies' text directly into its 1855 Manual of Surveying Instructions. The book was first published in 1830. There are six versions of the book with changing titles. These different versions appeared in 1830, 1835, 1841, 1851, 1870, and 1883. There were several intervening reprints.

**DAVIES, Charles**, *Elements of Surveying, and Navigation, with Descriptions of the Instruments and the Necessary Tables*, Revised Edition, (New York & Cincinnati, 1855), 222 pages of text and 170 pages of tables, 6 folding plates, partial cracking to hinges; some browning and water staining to text although more noticeable on the plates; 5.5" x 8.3". **\$70**

**DAVIES, Charles**, *Elements of Surveying and Navigation*, revised ed., (New York, 1860), 5.4" x 8.3", 222 pages of text plus 170 pages of tables and 6 folding plates; original calf binding showing cracking to hinges and missing top inch on spine; text and plates in good condition. **\$70**

#### **JOHN GUMMERE**

Gummere's Surveying first appeared in 1814, and Karpinsky (1940) reports there were editions as late as 1917. John Gummere was a teacher, and particularly adapted his treatise to the use of schools. The book also met certain working needs of professional surveyors. According to his 1814 preface, Gummere thought Gibson and Jess were his major competitors. He completely ignored Flint, who likely sold many more books than Jess.

**GUMMERE, John.**, *A Treatise on Surveying, Containing the Theory and Practice to Which is Prefixed a Perspicuous System of Plane Trigonometry*, 8th ed., (Philadelphia, 1833), 216 pages of text and 152 pages of tables, 8 folding plates, pencil calculations and notes appear on the backsides of the plates; bookworm holes through some of the page margins but not affecting the printed text; a 2" tear in the leather is located at the top of the spine; hinges are intact; front endpapers are detached. **\$50**

**GUMMERE, John.**, *A Treatise on Surveying, Containing the Theory and Practice to Which is Prefixed a Perspicuous System of Plane Trigonometry*, 14th ed., (Philadelphia, 1839), 266 pages of text and 152 pages of tables, 11 folding plates; some slight wearing through of the spine, and weak but intact hinges; a tight, sound copy. This edition includes articles on the theodolite, levelling, and topography. **\$60**

**GUMMERE, John**, *A Treatise on Surveying, Containing the Theory and Practice to Which is Prefixed a Perspicuous System of Plane Trigonometry*, 14th ed., (Philadelphia, 1843), 266 pages of text and 152 pages of tables, 11 folding plates lacking plate 9 and part of plate 10 (modern copies of both are provided); hinges are intact although cover is worn around the edges; interior is good except for some darkening and improper folding of the plates. **\$50**

#### **INSTRUMENT MANUALS AND CATALOGS**

**BAUSCH & LOMB OPTICAL CO.**, *Metro Manual, A Hand Book for Engineers Containing Technical Information Regarding the Construction, Adjustment and Use of Transits, Tachymeters, Theodolites, Alidades, Levels, Etc.*, (Rochester, N.Y., 1915), 4.5" x 6.8", 199 text pages plus 40+ pages of tables, etc., well illustrated, included in rear pocket is 1915 solar ephemeris plus a number of Lefax tables, misc. data. Illustrated and described are numerous standard instruments plus several specialty ones including the solar transit, mining transits, precise geodetic instruments, alidades, plus several unique devices including distinct tripods, Ross Meridiograph, Continuous Variation Plate, and others. **\$60**

**BEDINI, Silvio A.**, *Early American Scientific Instruments and Their Makers*, (Washington, 1964), 184 pages with many pictures of pre-1827 surveying instruments. This scarce paperback version of Bedini's classic book on early U.S. instrument makers (mostly surveying) is the original publication by The Museum of History and Technology - Smithsonian Institution, and as a consequence has nice, sharp photographs. Many of the illustrations are from museum collections, and include examples of famous makers such as David and Benjamin Rittenhouse, Augustus Platt, Andrew Ellicott, Goldsmith Chandlee, Peregrine White, and others. **\$65**

**BUFF & BUFF MFG. CO.** *The "Buff" Precise Transit and its Adjustments*, (Boston, 1904), paperback, 5.3" x 7.4", 31 pages, also includes instructions for adjusting the wye and dumpy levels and plain table, and how to test a good instrument. **\$22**

**C.L. BERGER & SONS**, *Handbook and Catalog, Engineering, Surveying and Mining Instruments, Parts I & II*, (Boston, 1918), 6.3" x 9.2", 253 pages, descriptions of surveying instruments and numerous plates, including 5 full page in color. **\$80**

**DIETERICH-POST CO.**, *Catalog*, (San Francisco, 1960), 7.7" x 11.0"; 290 pages; this company was a supplier and handled selected surveying instruments by Buff & Buff, Fennel, and David White, plus Lufkin tapes, Pickett slide rules, Wrico lettering sets, Vemco and Universal drafting machines, and other name brand items. **\$35**

**EUGENE DIETZGEN CO.**, *A Catalog of Technical, Industrial, Engineering and Scientific Publications*, (Chicago, 1915), 5.5" x 8.4", 231 pages, paperback binding, lists hundreds of scientific books in print including 13 surveying books. **\$10**

**DIETZGEN CORP.**, *Catalog 3, Surveying Equipment and Supplies*, (Des Plaines, IL, 1980), 8.5" x 11.0", 45 pages, thin vinyl like cover; this is the surveying portion of the 4 individual catalogs that shows the Dietzgen line. **\$10**

**GURLEY, W. & L.E.**, *A Manual of the Principal Instruments used in American Engineering and Surveying*, 37th ed., (Troy, 1903), 4.5" x 6.8", 446 pages including 251 pages of text plus 195 pages price list; front cover has slight crease damage, some scuffing to back cover and wear on spine. **\$90**

**GURLEY, W. & L.E.**, *A Manual of the Principal Instruments used in American Engineering and Surveying*, 39th ed., (Troy, 1905), 4.5" x 6.8", 446 pages including 251 pages of text plus 195 pages price list; front cover has slight crease damage, some pencil writing on endpapers, front inside hinge loose. **\$80**

**GURLEY, W. & L.E.**, *Manual of Gurley Hydraulic Engineering Instruments*, 1st ed., (Troy, NY, 1918), 139 pages plus separate price list; includes sections on the construction and use of current meters and water stage registers, and selection and location of gauging stations; numerous illustrations. **\$40**

**KOLESCH & CO.**, *Catalogue of Drawing Materials and Surveying Instruments*, (New York, 1907), 6.1" x 9.1", 248 pages, paperback, numerous engravings of office tools and surveying instruments, includes Precision Slide Rules, circular & pocket slide rules. **\$85**

**A. LIETZ CO.**, *General Catalog*, 17th edition (San Francisco, 1938) 6.1" x 9.1", 436 pages, illustrated throughout with black & white illustrations, content contains both drawing materials and surveying equipment; includes separate price list inside back cover, a nice copy. **\$50**

#### **U.S. COAST & GEODETIC SURVEY**

**ADAMS & CLAIRE**, *Manual of Plane-Coordinate Computation*, USC&GS Special Publication No. 193, (Washington, 1935), 6.0" x 9.3", 271 pages, 65 illustrations, hardbound copy, with examples of triangulation adjustment. **\$25**

**EIMBECK, William**, *Report on the Measurement of the Salt Lake Base Line*, (Washington, 1898), Appendix No. 12, Annual Report for 1897, U.S. Coast & Geodetic Survey; 9.2" x 11.5", salmon-colored printed paper wrappers, 20 pages of text and diagrams plus 6 full-page photographic plates showing elements of the measurement, and one folding plate showing baseline plan and profile; this separately bound paper is inscribed on the cover, "With the Compliments of the Author" and then underneath in different handwriting appears the personal signature of the recipient, "George Davidson, Aug 22, 00." A number of pencil notations and corrections appear in the text, presumably in Davidson's hand and noting the similarity with other known examples of his notations. For a time Eimbeck worked under Davidson in the San Francisco office of the U.S. Coast Survey, then later performed the lion's share of theodolite observations for the transcontinental triangulation. Eimbeck also designed the highest form of baseline measuring when using metal rods. This Eimbeck/Davidson document is a classic, historic work in control surveying history. **\$110**

*Tables for a Polyconic Projection of Maps, based upon Clarke's Reference Spheroid of 1866*, 2nd ed., USC&GS Special Publication No. 5, (Washington, 1900), 9.4" x 11.8", 189 pages, hardbound, including a 1912 letter from the USC&GS to the original owner giving an explanation of different datums used on charts. **\$35**

*The Figure of the Earth and Isostasy from Measurements in the United States*, by John F. Hayford, (Washington, 1909), 9.3" x 11.6", 178 pages, 16 illustrations including 6 folding; hardbound. **\$60**

*Supplementary Investigation in 1909 of the Figure of the Earth and Isostasy*, by John F. Hayford, (Washington, 1910), 9.2" x 11.5", 80 pgs, 6 illustrations including 5 folding; ex lib., hardbound. **\$45**

*Investigations of Gravity and Isostasy*, USC&GS Special Publication No. 40, by William Bowie, (Washington, 1917), 9.2" x 11.5", 196 pages, 18 illustrations including 9; ex lib., paper cover w/coating. **\$40**

#### **PUBLIC LANDS SURVEYS**

**U.S. General Land Office**, *Report of the Commissioner of the General Land Office for the Year 1868*, (Washington, 1868), 6.0" x 9.1", 421 pages, large folding U.S. map in color showing the progress of the public land surveys is attached inside rear cover; map is fragile and damaged with splitting and tape repairs; contains annual reports of the Surveyors General for the several districts. **\$70**

*Circular from the General Land Office containing Regulations...to Facilitate the Adjustment...of Conflicting Claims to Lands within the Limits of the Grant to the Northern Pacific Railroad Company*, (Washington, 1899), 5.7" x 9.2", 19 pages, pink printed wrappers. **\$40**

*Letter from the Secretary of the Interior*, April 25, 1888, ...relating to land matters involving the California Redwood Company and the Humboldt Redwood Company (Washington, 1888), 21 pages, 5.8" x 8.9", disbound and removed from govt. volume; questions methods of land acquisition by companies. **\$8**

**U.S. General Land Office**, *Manual of Surveying Instructions for the survey of the Public Lands of the United States and Private Land Claims*, (Washington, 1902), 203 pages, including 145 pages of instructions, 40 pages of specimen field notes, plus appendices and 8 folded plates, 6.1" x 9.3", the front cover has glued-on stickers imprinted with the numerals 54. **\$70**

**PUTER, S.A.D.**, *Looters of the Public Domain*, written in collaboration with Horace Stevens, formerly with the Government Land Office, (Portland, 1908), EMBRACING A COMPLETE EXPOSURE OF THE FRAUDULENT SYSTEM OF ACQUIRING TITLES TO THE PUBLIC LANDS OF THE UNITED STATES, Arno reprint 1972, 6.4" x 9.2", 495 pages, this is one of the most important works about fraudulent government land operations and names the individuals and timber companies involved; Puter was king of the Oregon land fraud ring and wrote the book about land corruption and survey fraud while in jail. **\$35**

**U.S. GENERAL LAND OFFICE**, *Standard Field Tables, Tables and Formulas for the Use of U.S. Surveyors and Engineers on Public Land Surveys*, 2nd ed, by Clay Tallman, (Washington, 1913), U.S.G.L.O., 4.5" x 7.0", 224 pages, chip damage to spine, leather cover creased on inside. **\$20**

**U.S. Bureau of Land Management**, *Manual of Instructions for the Survey of the Public Lands of the United States*, 1947, (Washington, 1947), 521 pages of instructions and 92 pages of specimen field notes and index, 2 folded maps in rear pocket, 6.2" x 9.4", good condition. **\$40**

#### **U.S.GEOLOGICAL SURVEY**

**GANNETT & BALDWIN**, *Results of Spirit Leveling in Ohio, 1898-1908*, Bull. 411 (Wash, 1909), paperback, 147 pages. **\$10**

**SEMPER, C.H.**, *Results of Spirit Leveling in California, 1896-1907*, Bull. 342 (Wash, 1908), paperback w/chips, 172 pages. **\$10**

**Note:** Early USGS Leveling results are also available for Arizona, Colorado, Hawaii, Idaho, Maine, Nevada, New Mexico, Oregon, South Dakota, Texas, Utah, Washington, Wyoming. They are all \$10 each.

#### **U.S. NAVY HYDROGRAPHIC OFFICE**

**LITTLEHALES, G.W.**, *The Methods and Results of the Survey of the West Coast of Lower California by the Officers of the U.S.S. "RANGER" during the Season of 1889 and 1890*. (Washington, 1892), 6.1" x 9.2", 237 pages, this report covers the reconnaissance, main and secondary triangulation, instruments, hydrography, magnetic work, chronometers, determination of geographic positions,

astronomic work for latitude and longitude, base measurement, tidal observations, and chart construction. Reports that cover the entire operation of coast chart surveying in one volume are rare. This book has numerous illustrations and folding maps in addition to 21 medium-resolution photographs showing instruments being used in the field surveying operations; the cover has scuffing and some cracking to the outer edges of binding, otherwise good condition. **\$90**

### U.S. ARMY CORPS OF ENGINEERS

**Capt. A.A. HUMPHREYS & Lt. H.L. ABBOT**, *Report upon the Physics and Hydraulics of the Mississippi River*, (Washington, 1876), Professional Papers of the Corps of Engineers No. 13, U.S. Corps of Topographical Engineers; this is a reprint with additions of an 1861 report; it contains detailed river surveys and presents a parabolic velocity curve; 691 pages plus 25 folding plates; 10.0" x 12.1"; bearing the signature of original owner George Davidson, May 30, 1881; Davidson was himself a noted scientist and an Assistant in the San Francisco office of the U.S. Coast & Geodetic Survey. Included with the report is an 8-page separately published article with printed wrappers by Humphreys and Abbot relating to the report titled, *Reply to Criticisms made by Dr. Hagen, Director General of Public Works, Prussia*, (New York, 1878), reprinted from Van Nostrand's Eclectic Engineering Magazine, January, 1878, also bearing Davidson's signature of the same date. Both documents are in nice condition. **\$125**

**U.S. ARMY CORPS OF ENGINEERS**, *Topographical Field Note-Book* (blank), (Washington, c. 1880), 5.9" x 8.7", 96 pages, intended for reconnaissance surveys with prismatic or common compass; one page of instructions, one double-page of printed specimen notes and field sketch dated 1874, remainder of pages blank on printed grid & azimuth format; prominent water staining throughout the top 1/3 of book, leather cover scuffed and waterstained but intact. **\$15**

### THE WHEELER SURVEYS

**WHEELER, George M.**, *Report upon United States Geographical Surveys West of the One Hundredth Meridian, Vol. II, Astronomy and Barometric Hypsometry*, (Washington, 1877), 9.7" x 12", 571 total pages including 22 plates, in two parts, the first 491 pages deal with astronomy and astronomic observations, the remainder with barometric hypsometry; very nice condition except scattered light foxing and the outer spine has partial speckled loss of brown color. There are 7 total volumes in the 100th meridian set. **\$70**

**WHEELER, George M.**, *Annual Report upon the Geographical Surveys of the Territory of the United States West of the 100th Meridian, in the States and Territories of California, Colorado, Kansas, Nebraska, Nevada, Oregon, Texas, Arizona, Idaho, Montana, New Mexico, Utah, Washington, and Wyoming. Being Appendix NN of the Annual Report of the Chief of Engineers for 1878*, (Washington, 1878), 234 pages plus 5 plates, one small map and one large folding color map: 1878 Progress Map of the U.S. Geographical Surveys West of the 100th Meridian. Ex-New York Public Library with their perforation stamp on title and ink stamps on verso of title and maps. Rebound in buckram. This is a detailed report on the Wheeler Survey's final year of government-funded field work. Discusses the Great Salt Lake Basin, Lake Tahoe area, and the Washoe and Comstock Lode mining regions. **\$100**

### MISCELLANEOUS SURVEYING & RELATED

**AMERICAN SOCIETY OF PHOTOGRAMMETRY**, *Manual of Photographic Interpretation*, (Washington, 1960), 7.1" x 10.3", 868 pages, written for persons involved in the extraction of information from aerial photographs. **\$35**

**BAGLEY, James W.**, *Aerophotography and Aerosurveying*, 1st ed., (NY & London, 1941), 6.4" x 9.2", 324 pages, ex lib. **\$30**

**BARTON, Samuel Marx**, *Elements of Plane Surveying (Including Leveling)*, 1st ed, (Boston, 1904), 6.5" x 9.4", 255 pages, including 144 pages of text and 111 pages of tables and appendix; outer cover damaged on spine and hinges with portions or outer cloth missing; interior good except one leaf has a triangular 3" piece torn off but included. Rarely seen text. **\$30**

**BUDGE, J.**, *The Practical Miner's Guide: Comprising a Set of Trigonometrical Tables, Adapted to all Purposes of Oblique or Diagonal, Vertical, Horizontal, and Traverse Dialling*, 1st ed, (London, 1845), 5.8" x 9.1", 218 pages, engraved plate showing author plus numerous diagrams; a substantial portion of the text deals with mathematical and surveying applications to mining work; very good condition. **\$70**

**BURR, G.D.**, *Instructions in Practical Surveying, Topographical Plan Drawing, and Sketching Ground Without Instruments*, 3rd ed., (London, 1858), 5.2" x 8.2", 223 pages, 5 folding plates showing instruments and mapping; surveying text for the Royal Military College and includes instruction on theodolite, plane table, level, sextant, mapping, sketching, and geographic positions. **\$65**

**CALIFORNIA DIVISION OF HIGHWAYS**, *Manual of Instructions, Third Edition, Surveys and Plans*, (Sacramento, 1931), 5.0" x 7.6", 148 pages, paperback, giving instructions for field and office surveying work for California highways. **\$25**

- CASTLE, Henry James**, *Engineering Field Notes on Parish and Railway Surveying, Surveying and Levelling, With Plans and Sections, being a Sequel to his Elementary Text Book*, 2nd ed., (London, 1847), 5.9" x 9.0", 303 pages plus an appendix with 26 pages of field notes and a 16-page traverse table; 9 plates and numerous woodcuts illustrating situations and instruments; outer spine cover removed but available for re-attaching; contains much practical information not found in other surveying textbooks. **\$110**
- CLARK, Frank Emerson**, *A Treatise on the Law of Surveying and Boundaries*, 2nd ed., (Indianapolis, 1939), 5.7" x 8.3", 896 pages, a classic work on the subject still in print with revised content. **\$40**
- CLOSE, Major C.F.**, *Text Book of Topographical and Geographical Surveying*, (London, 1905), 7.5" x 11.7", 288 pages plus 33 plates showing instruments, maps, star charts, photographs, diagrams, etc.; a professional level work based upon actual experience of Royal Engineer Officers involving triangulation, field astronomy, plane table, leveling, etc. **\$60**
- CRANDALL, C.L.**, *Tables for the Computation of Railway and Other Earthwork*, 4th ed., (New York & London, 1907), 6.1" x 9.1", 54 pages including 27 pages of text and instruction. **\$20**
- CRANDALL, C.L.** *The Transition Curve by Offsets and by Deflection Angles*, (New York & London, 1907), 4.5" x 6.6", 99 pages of text and tables, showing scuffing to leather cover at edges and hinge. **\$20**
- DAKE & BROWN**, *Interpretation of Topographic and Geologic Maps*, 1st ed., (NY & London, 1925), 5.2" x 7.5", 355 pages. **\$30**
- DAVIS, FOOTE & RAYNER**, *Surveying, Theory and Practice*, 2nd ed., (NY & London, 1934), 5.0" x 7.6", 1,032 pages. **\$25**
- DAVIS, William**, *A Treatise on Land Surveying, by the Chain, Cross, & Offset Staffs, in Four Parts, also, a Description of the Plan and Map Meters, to which is added, A Supplement, containing Methods by the Plane Table & Theodolite, and Directions for Conducting Subterraneous Surveys*, 5th ed., (London, 1813), 393 pages with a portrait of the author, 9 plates, tables, etc.; rebound 1956 in dark red buckram at which time leaves were probably trimmed; title page and portrait now detached, otherwise nice copy with only light browning, provenance given. **\$120**
- DERBY, Lt. George H.**, *Phoenixiana*, (San Francisco, Grabhorn Press, 1937), A Collection of Burlesques & Sketches of John Phoenix: alias John P. Squibob, who was, in fact, Lt. George H. Derby, Corps of Topographical Engineers; edited by Francis P. Farquhar; Derby worked in the San Francisco Bay area and in San Diego; this is a collection of letters contributed to newspapers during the 1850's in early California; 6.8" x 9.7", 240 pages. **\$75**
- DIX, Thomas**, *A Treatise on Land-Surveying, in Seven Parts*, 5th ed., (London, 1829), 4.9" x 8.0", 216 pages illustrated with upwards of 200 diagrams and 1 folding color plate, noting a 1" tear at the bottom of the plate; Dix was reportedly one of the more popular English texts used by American surveyors according to *Engineering News Magazine*; **\$100**
- DUNCAN, Andrew**, *The Practical Surveyor's Guide, Containing the Necessary Information to Make any Person of Common Capacity a Finished Land Surveyor without the Aid of a Teacher*, (Philadelphia, 1908), 5.2" x 7.5", 214 pages, topics include right angle and triangular measurements, plus a brief treatment of survey methods for the U.S. public land surveys according to the 1890 government manual. **\$45**
- DURHAM, Edward B.**, *Mine Surveying*, (New York, 1913), 5.1" x 7.5", 391 pages, illustrated, a good comprehensive text on the subject; binding intact except for inside separation at title page. **\$40**
- FENWICK, Thomas**, *A Treatise on Subterraneous Surveying, and the Variation of the Magnetic Needle*, 2nd ed., (Durham, England, 1822), 6.0" x 9.1", 227 pages, bound in original marble boards with cloth spine, uncut pages; a rare, classic work in mine surveying enlarged from the 1st edition, including the description of a new and Improved Circumferentor by Mr. Jones. **\$165**
- GILLESPIE, William M.**, *A Treatise on Surveying Comprising the Theory and the Practice, revised and enlarged by Cady Staley*, Part I, Land Surveying and Direct Leveling, (New York, 1914), 400 pages of text plus appendix and tables; hardbound with cloth covering. Gillespie was a professor at Union College. His text was first printed in 1851 as a synopsis of lecture notes, then became formally published in 1855. It was the first school text to illustrate and treat the operation of the American surveyor's transit, and for the date of its publication was well ahead of Gummere, Davies, and Flint. Gillespie and Johnson (below) surveying books were the best widely-distributed texts of the 1850 to 1900 time period. **\$50**
- HANCOCK, H. Irving**, *The Young Engineers in Arizona*, (Philadelphia, 1912), 5.1" x 7.6"; 250 pages with an attractive cover showing one young man operating a surveying instrument and a second reading a map. This is one of a five volume set that included Nevada, Colorado, Mexico, and the Gulf; partial/fragile dust jacket; endpapers partially darkened from contact with dj. The Young



Engineers Series relate fictional accounts of young surveying adventurers. The stories provide insight into the rugged life faced by real surveyors and engineers of the period. **\$25**

**HEATHER, J.F.**, *Drawing and Measuring Instruments*, (Vol. I, 1899, 157 pages), *Optical Instruments* (Vol. II, 1888, 141 pages), and *Surveying and Astronomical Instruments* (Vol. III, 1891, 161 pages), with all three volumes complete in a single bound book. This was originally published in 1849 as a single volume but as material was added it was divided in separate works.. Published in London, this treatise was used continuously in Government military and naval schools, and was part of a midshipman's kit. It was entirely rewritten for publication in this form. 5.0" x 6.8", good condition with 1911 owner's inscription. Part of Weale's Scientific & Technical Series. **\$55**

**HEATHER, J.F.**, *Surveying and Astronomical Instruments* (Vol. III), (London & New York, 1891), part of Weale's Scientific & Technical Series, 4.7" x 6.7", 161 pages, with numerous illustrations of surveying and astronomical instruments and various technical principles; good condition. **\$35**

**HODGMAN, F.**, *A Manual of Land Surveying Comprising an Elementary Course of Practice with Instruments and a Treatise upon the Survey of Public and Private Lands*, (Climax, MI 1913), 1976 Buckner Hist. Reprint, 4.9" x 7.3", 424 pages plus tables except to save bulk the log and trig tables were not fully reprinted from original, this is one of the principal historic reference guides for public lands surveys and legal elements of property boundaries. **\$35**

**I.C.S.**, *Mine Surveying and Mapping*, (Scranton, 1899), comprising 194 pages of text within the larger hardback volume, *A Treatise on Metal Mining, Vol. 1*; 6.1" x 9.1"; mapping, compass, transit & level surveys as related to mine surveying; good illustrations; dime-size tear damage to outer top of spine. **\$22**

**INTERNATIONAL LIBRARY OF TECHNOLOGY**, *Mine Surveying, Metal-Mine Surveying, Mineral-Land Surveying*, (Scranton, 1922), 6.0" x 9.0", 399 pages surveying related plus additional material on steam boilers and engines; a well-written presentation on the subject. **\$30**

**JORDAN, Dr. Wilhelm**, *Handbuch der Vermessungskunde, II Zweiter Band, Feld- Und Land-Messung, Sechste Erweiterte Auflage*, Bearbeitet von Dr. C. Reinhertz, (Stuttgart, 1904), 6.5" x 9.2", 863 pages of text plus 47 pages of appendix; we don't read German but do recognize this as a classic top-of-the-line work on surveying and surveying instruments and believe it to be a 2nd edition of a work originally published in 1897; numerous steel engravings illustrate surveying instruments, including geodetic theodolites, photographic theodolites, levels, signals, towers, rods, slide rules and calculators; interior in good condition, exterior has marble boards with scuffing on edges plus wear and tear damage to the top one inch of the leather spine. Dr. Jordan was a leading geodesist and a prolific writer on the subject. The *Bibliography of Geodesy* in the USC&GS Annual Report for 1901-02 lists 112 published works by Jordan. The same report also lists 7 entries by Dr. Reinhertz. **\$115**

**JOHNSON, J.B.**, *The Theory and Practice of Surveying Designed for the Use of Surveyors and Engineers Generally but Especially for the use of Students in Engineering*. 16th ed., (New York, 1902), 750 pages of text and 88 pages of formulas, tables, and the index, 2 folding plates, 5.6" x 8.2"; showing wear at the edges of the cover and a 2 inch-long partial outer fabric separation at the top of the front hinge, the front blank endpaper is missing the top 1" of the page and has some old pencil writing. The appendix includes papers on the ownership of surveys, judicial function of surveyors, U.S. Mineral Instructions, and others. **\$40**

**KELSH PLOTTER MANUALS**, (1) *The Kelsh Plotter*, (Baltimore, n.d.), 8½" x 11", 46 pages, yellow cardstock cover, giving operation of the instrument, and (2) *Calibration and Maintenance of the Kelsh Plotter*, 6" x 9", 23 pages, yellow cardstock cover. Both for... **\$25**

**KIELY, Edmond R.**, *Surveying Instruments, Their History*, (Columbus, Ohio, 1979 reprint of 1947 work), 6.3" x 9.3", 273 pages; numerous illustrations copied from old works; a definitive work on the subject. **\$30**

**KISSAM, Philip**, *Surveying for Civil Engineers*, (New York, 1956), 6.3" x 9.2", 716 pages, a masterpiece work for the period with treatment of precise control nets, celestial observations, boundary surveys, mine surveys, hydrographic & gaging, statistical, coordinate system theory, and others. **\$40**

**LEWIS, Oscar**, *George Davidson, pioneer west coast scientist*, (Berkeley and Los Angeles, 1954), o.p., 146 pages, 19 photographs, 1 folded map, dust jacket, 6.2" x 9.4". This is the primary biographical work for the eminent USC&GS surveyor, geodesist, and astronomer. In 1867 Davidson made a reconnaissance of the Alaska coast and his 140-page published report influenced the subsequent acquisition of that territory. He also did much triangulation work in California. There are three mountains named after Davidson, located in San Francisco, Nevada, and the Aleutian Islands. There is also a Davidson Glacier and a Davidson Range in Alaska, and a Davidson Seamount off the California coast. **\$45**

**MERRETT, H.S.**, *A Practical Treatise on the Science of Land and Engineering Surveying, Levelling, Estimating Quantities, &c.*, 3rd ed. (London, 1878), 7.4" x 10.2", 317 pages and 41 folding plates, ex lib, a comprehensive professional-level book with descriptions of numerous instruments and drawing tools, methods of survey, etc.; handsomely bound with a gold-embossed level on the spine. **\$70**

**MERRIMAN, Mansfield**, *Elements of Precise Surveying and Geodesy*, (New York, 1903) 1st ed, 1st thousand, 6.0" x 9.2", 261 pages, includes section on history. **\$45**

**MINOW, Helmut**, *Historical Surveying Instruments, Lists of collections in Europe*, (Wiesbaden, 1982), 6.7" x 9.6", 468 pages, paperback; text in German, English and French, listing instrument collections throughout European institutions. **\$50**

**O'DONAHUE, T.A.**, *Field and Colliery Surveying*, (London, 1914), 4.9" x 6.9", 285 pages, numerous tables & diagrams; a practical manual of mining surveying with good treatment of instruments and methods. **\$40**

**PHELPS, Harry**, *Practical Marine Surveying*, (New York & London, 1907), 6.0" x 9.2", 217 pages, ex lib with several stampings, labels, etc, to covers, mostly inside, & on Preface but not affecting text; several nice instrument engravings; the author was an instructor at the naval academy. **\$45**

**QUESTED, John**, *The Art of Land Surveying, Explained by Short and Easy Rules; Particularly Suited for the Use of Schools*, 1st ed., (London, 1843), 4.5" x 7.4", 96 pages, hardbound, noting a torn-off corner of the front blank endpaper; a simple elementary text on surveying with chain and cross staff. **\$50**

**QUESTED, John**, *The Art of Land Surveying, Explained by Short and Easy Rules; Particularly Suited for the Use of Schools*, 3rd ed., (London, n.d.), 4.5" x 7.4", 120 pages, hardbound, an expanded version with treatment of the plotting scale; with ink inscription "W.H. Harper, Shoreham, Sept 16, 1857, Presented by the above to Henry Welch, June 1859. **\$50**

**RAYNER, William Horace**, *Elementary Surveying*, Vol. 1, 2nd ed., (New York, 1954), 5.0" x 7.7", 420 pages, good. **\$25**

*Report of the Committee on Coinage, Weights, and Measures, Part 1, On the Adoption of the Metric System of Weights and Measures, and Part 2, on Metric Coinage*, House. Rept. No. 12, 46th Cong., 1st Sess.; (Washington, 1879), 6.0" x 9.2", 202 pages on metric measure and 6 pages on coinage; hardbound; this work contains a large amount of information for persons interested in 19th century studies on adopting the metric system. **\$30**

**SERVICE, Jerry H.**, *Essentials of Engineering Astronomy*, 1st ed, (New York, 1937), 6.3" x 9.3", 165 pages, signed by W.W. Staley, Moscow, Idaho, 10/18/37; good condition noting numerous pencil notations within text; the principles and practice of field astronomy. **\$35**

**SEYMOUR, Silas**, *Annual Report of the State Engineer and Surveyor, on the Canals of New York, for the year 1857., made January 15, 1858* (Senate, No. 15), 192 pages; fancy decorative cover w/gold lettering; 4 folding plates showing profiles of Black River Canal and Erie Canal; contains text of report and numerous supporting documents; 5.9" x 9.2". Other dealers list this as high as \$200. **\$40**

*The Final Results of the Triangulation of the New York State Survey, together with a Description of the Methods Employed. Also, the Eleventh Annual Report of the Commissioners of the State Survey*. (Albany, 1887), 9.4" x 11.8", 213 pages including 113 pages of reports and 95 pages of appendices; six folding maps, numerous illustrations and diagrams, six superb full-page steel engravings of geodetic surveying instruments; content and binding secure and in good condition. **\$200**

**SHARP, H. Oakley**, *Geodetic Control Surveys*, 2nd ed, (New York & London, 1943), 8.8" x 11.3", 132 pages, Sharp was a professor at Rensselaer Polytechnic Institute, a number of white spots are on front cover. **\$40**

**TILLOTSON, Ira M.**, *Legal Principles of Property Boundary Location on the Ground in the Public Land Survey States*, (Missoula, Montana, 1973), 122 pages, 8.8" x 11.3", hardbound, no d.j., contains examples of numerous Montana retracement work of former government public land surveys; particularly useful in that state and other public land states; good cond. **\$40**

**TRACY, John Clayton**, *Plane Surveying*, 1st ed., (New York & London, 1907), 4.2" x 7.0", undated reprint, 794 pages; one folding plate is detached and has tape repair. **\$18**

**TRACY, John Clayton**, *Plane Surveying and Exercises in Surveying for Field and Office Work*, 2 books published as one, (New York, 1906, 1907), reprinted 1927, 794 pages or text and tables, and 168 pages of exercises, 4.2" x 7.0", with illustrations, photographs, and one folded plate; inside rear cover has handwritten geometrical notations and some soiling; former owner C. Neubauer, San Francisco. **\$35**

**TRAUTWINE, John C.** *A Method of Calculating the Cubic Contents of Excavations and Embankments by the Aid of Diagrams*, 9th ed., (New York, 1887), 6.0" x 9.2", 71 pages. **\$20**

**TRUMBULL, Loyal Wingate**, *A Manual of Underground Surveying*, 1st ed., (New York, 1910), Volume VII of the McGraw Hill Mining Library, 6.2" x 9.2", 251 pages, numerous illustrations including mine surveying instruments. **\$50**

**U.S. ARMY ENGINEERS**, *Technical Instructions, 30th Engineer Base Topographic Battalion, Fort Winfield Scott, California*, (Fort Winfield Scott, 1953), 6.1" x 9.2", printed card covers w/Acco binding; approx. 200 pages, giving details and instruction in military and public land surveys. **\$20**

**VANICEK, Petr, and Edward J. KRAKIWSKY**, *Geodesy: The Concepts*, 2nd ed, (North-Holland, 1986), 6.4" x 9.5", 697 pages, paperback, the authors are university professors at New Brunswick and Calgary; good comprehensive text. **\$40**

**WATTLES, Wm. C.**, *Land Survey Descriptions*, (Los Angeles, 1965), 7th Printing, 6.1" x 9.0", 136 pages, printed card covers; a classic work by a noted authority on the subject. **\$20**

**WHITE, C. Albert**, *A History of the Rectangular Survey System*, (Washington, 1982), 9.5" x 11.7", 774 pages, new condition; this collection of surveying instructions and related information from 1785 to 1910 is a must for persons practicing in the public land states. **\$70**

### ROUTE SURVEYING

**HICKERSON, Thomas F.**, *Route Surveys and Design*, 4th ed., (New York, Toronto, London, 1959), 568 pages, 5.0" x 7.2". **\$30**

**RUBEY, LOMMEL & TODD**, *Engineering Surveys: Elementary and Applied*, 1st ed., (New York, 1942), 664 pages of text plus 170 pages of tables; contains a 25-page chapter on route surveys; 5.1" x 7.7". This book is special because it came from the library of Raymond E. Davis and bears his rubber stamp on the front endpaper. **\$40**

**BARNETT, Joseph**, *Transition Curves for Highways*, 1st ed., (Washington, 1938), U.S. Department of Agriculture, Bureau of Public Roads; 4.9" x 7.7", 54 pages of text plus an unnumbered couple hundred pages of tables. **\$30**

**BURGOYNE, Gen. Sir John F.**, *Rudiments of the Art of Constructing and Repairing Common Roads*, 3rd ed., (London, 1861-62), 4.3" x 7.1", 192 pages. **\$40**

*The Lincoln Highway*, 1st ed., (New York, 1935), published by the Lincoln Highway Association, 315 pages, 5.9" x 8.2", illustrated dust jacket with minor edge chips; inscribed "To the great Parker who for obvious reasons can't be mired down, F.A. Seiberling." Seiberling was president of Goodyear Tire & Rubber Co. and later president of the Lincoln Highway Association. Reed Parker was a reporter for the Chicago Tribune who participated with Seiberling in the 1913 cross-country trek and whose name also appears on page 35 in the book. This classic work describes the association's crusade for a paved transcontinental highway. **\$60**

### ENGINEERING BOOKS

**FLYNN, P.J.**, *Irrigation Canals and other Irrigation Works, Including the Flow of Water in Irrigation Canals and Open and Closed Channels Generally, with Tables Simplifying and Facilitating the Application of the Formula of Kutter, D'Arcy and Bazin*, 1st ed., (San Francisco, 1892); two volumes bound together with 398 pages of text on Irrigation Canals, 56 pages on Water Flow, and 227 pages of tables, including 23 separate tables and 206 illustrations; hardbound with cloth cover somewhat warped; some moisture damage to text, and covers loose but well attached; 2 interior pages have old tape repair; formerly owned by Legrand Friel, a Los Angeles surveyor and engineer; a very rare treatise on engineering hydraulics; 7.3" x 10.0". The Preface states that 90% of the matter on flow of water is original. Flynn was a civil and hydraulic engineer in Los Angeles. He was a regular contributor to technical publications on the west coast, and once worked in Punjab, India. **\$85**

**WEGMANN, Edward**, *The Design and Construction of Dams including Masonry, Earth, Rock-Fill, Timber, and Steel Structures and the Principal Types of Movable Dams*, 5th ed., (New York, 1908), 421 pages plus 100 engineering plates and 33 photographic plates; fine condition; hardbound; the red cloth cover with gold impressed illustration of a dam on the front gives it an ornate appearance; this is an excellent copy of the leading work on dam construction, first published in 1888; discussions of foreign dams are included; 9.5" x 12". **\$85**

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