

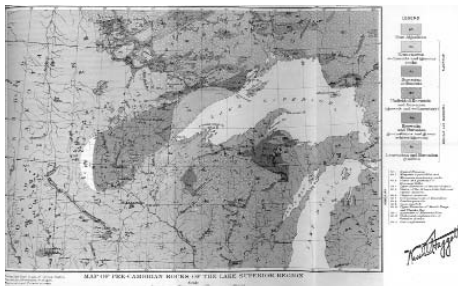
MINING, GEOLOGY & HARDGOOD ITEMS

1148. Engineering. General. *Ferro Carbon-Titanium in Steel Making, 1916*. Talks about steel making, from magnified images of steel to manufacturing a particular steel according to its makeup. Black hard cover, with gilt print. Extremely fine. \$30 (no illustration)

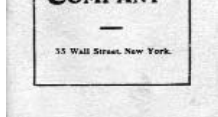
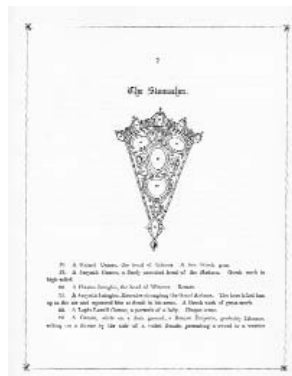


1149. Gems. *Diamond Mines of South Africa, Volumes I and II, 1906* by Gardner F. Williams. Published by B. F. Buck & Co, NY. Original mint copy with clean leather and corners. The copy is so tight we suspect it was seldom viewed. Contains hundreds of illustrations and fine plates, both black/white and color. This appears to be the third edition following editions of 1902 and 1904. There is a preface by Williams dated "August, 1904". Rare. Extremely fine. \$900

Devonshire, K. G., Arranged and Mounted for His Grace as a Panoply of Jewels, 1857 by C. F. Hancock. Printed by T. Brettell, Rupert Street, Haymarket. Remarkable 8.5 x 11" catalog format with brown boards and gilt trim and title page. Red satin fly covers with beautiful silk page with printed images of the jewels facing the title page. Unpaginated, 16pps plus the silk fly. Gilt on page edges. Mint Condition. Rare. NUC reports one copy, apparently another edition. \$700



1151. Geology. General. *Pre-Cambrian Geology of North America, Bulletin 360*, by Charles Richard Van Hise, 1909. 939 hard bound pages, with two fold-out maps. Leather accents at binding and tips of cover. Fine, front cover is broken at binding. \$50



1152. Geology. General. *Story of the Rocks, Fourteen Weeks in Popular Geology*, by J. Dorman Steele, Ph.D. Published by A.S. Barnes & Co., 1870-1877. Inscription on blank page before title page is "Leticia Estella Case, Devils Gate, 1889". First leaf is inscribed with "Miss Madge Blackurte, St. Mary's Acad, Salt Lake City". Illustrated, 300 pages, with notes at the end. Hard bound, with fancy design on cover and spine. In fine condition, cover is quite worn, with water damage and tears. \$75

1153. Geology. Stratigraphy. *Index to the Stratigraphy of North America 1912*, by Bailey Willis, accompanied by a Geologic Map of North America. Professional Paper No. 71, 1912. 894 pages, with maps at back. Hard bound, brown cover, with gilt lettering at spine. \$25 (no illustration)



1154. Mining. Arizona/Nevada. *Explorations in Nevada and Arizona, Preliminary Report by the War Department, 1871*. Lists Brigadier General A.A. Humphreys as chief of engineers under the immediate direction of 1st Lieutenant George M. Wheeler, Corps of Engineers. Detailed fold out map of Nevada, Arizona and parts of California attached at rear. Map has two tears—one has modern tape repair. Includes meteorological, geological, natural history, mineralogical and magnetic observation reports. Also discusses photographs of the area, means of communication, Indians, possible sites for military posts, agricultural and grazing lands, mines and a list of 45 questions posed by the reporters. Hardbound, 9 1/4" x 11 3/4", wear to cover and spine, staining and fading with several small bubbles on cover where material is pulling away from backing. Overall VF. \$450

1155. Mining. Base Metals. **Base Metals Related Mining Publications.** Lot of 5 different volumes. Copper Deposits in Sedimentary and Volcanogenic Rocks, Prof. Paper 907-C, by Elizabeth Tourtelot, 1976. 34 pages, with several microscopic plates. Geologic & Grade-Tonnage Information on Tertiary Epithermal Precious — and Base Metal Vein Districts..., Bulletin, 1966, by Dan L. Mosier et al. 39 pages, in table-like format. Grade & Tonnage Relationships Among Copper Deposits and Geochemical Exploration Techniques..., Prof. Papers 907-A, B, by D.A. Singer et al, and Maurice Chaffee. 1975. 26 pages, with photos. Geology & Resources of Base-Metal Vanadate Deposits, Prof. Paper 926-A, by R. P. Fischer, 1975. 14 pages, with large, full page maps. Geology & Resources of Titanium, Prof. Paper 959-A, B, C, D, E, F, by E. R. Force et al, 1976. About 65 pages, with illustrations. All publications are in extremely fine condition. \$60 (no illustration)

1156. Mining. Candlesticks. **Candlestick Unmarked.** Broken, unmarked stick. Provenance: James Byers Family, Goldfield, Nevada (please Byers story in our Auction #13 Catalog). 10" long. \$75



1157. Mining. Candlesticks. **Candlestick, Homemade.** The candlestick was made from a piece of steel that was about 16" long. About 11" up, the maker heated the steel, flattened it and rolled it to a size that would hold a candle. The forger of the item has a 3 inch piece after the flattening that forms a lever for releasing the candle. Rusted. \$50

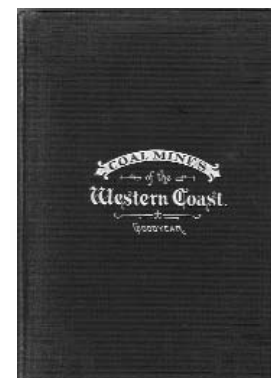
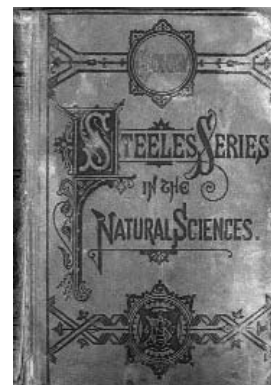
1158. Mining. Candlesticks. **Candlestick, Unmarked.** Early miner's candlestick found in old workings of the Flowery mine, Virginia City, Nevada. Similar to Wilson-Bobrink #65. Probably an early stick dating to the 1860-1880 period. 9" long, hanger also functions as the candle release. Vf. \$75



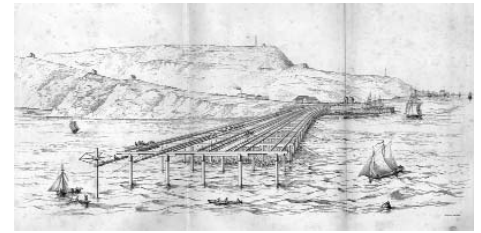
1159. Mining. Candlesticks. **Varney Engraved Candlestick.** Very rare Varney style stick with a gang punch using small letters. Not listed in Wilson-Bobrink. 11" long. Hanger functions also as a release for the candle. All metal is square and heavy-duty. Xf. \$100



1160. Mining. Coal. *Coal Mines of the Western Coast of the United States*, by Goodyear, W. A., 1877. Published by A. L. Bancroft & Co. 153pp, not indexed. Attractive burgundy hard cover with gilt letters. Spine is faded. Minor wear along edges of cover. This volume was the most comprehensive compilation of western coal mines until the 1940-50's. Very fine. \$325

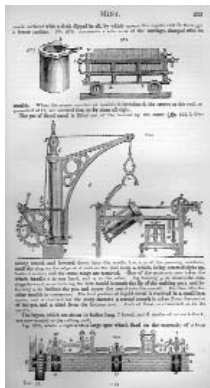


1161. Mining. Equipment. Machinery Catalog. *Illustrated and Descriptive Catalog of Machinery, Implements, Tools... For Scientific and Practical Purposes in South America and Other Countries, Manufactured by Messrs Charles D. Young and Company, Iron Founders, Contractors, Engineers, 1854.* Professionally rebound. Three locations listed: London, Edinburgh, Liverpool, Glasgow. Professional, collectors cloth and leather, hard bound cover. Wonderful two color fold-out plate at front of Valparaiso Iron Suspension Pier. 91 pp with illustrations, plus about 40 pages of illustrations at the end. All text is in English and Spanish. This catalog offers Railway, Agricultural, General, Mining Machinery and more. Excerpt from one description: "Horizontal Rolling Machine... Fig. 1 is considered by some scientific men superior to the Stamping Machine described below, and no doubt is more economical to work. The stones are thrown into a hopper above, and pass between the cylinders, by which they are broken to very small pieces, falling into baskets or boxes below, and are carried in them to the crushing rollers..." Vf. 10 x 11 1/2. \$300



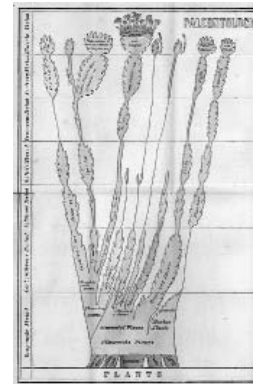
1162. Mining. Field Gear. **Mine Safety Ear Plug Kits, c.1910-1930.** Lot of 2 identical pcs. Ear Wardens, size small and medium. Gives instructions for use, and care, printed on container. Black, with gold and black print. Both seem unused, or minimally. \$40

1163. Mining. Field Gear. **Prospector's Canteen, c.1900-1910.** Round, steel water canteen that measures 11.5" in diameter and 3.5" deep. When full, nearly 2 gallons, this canteen would have been too much to carry in the field prospecting. This size of canteen would have been better suited to stay with the burro. Both sides of the canteen are dented. There are four mounting rods, but the strap is missing. The lid is also missing. \$40



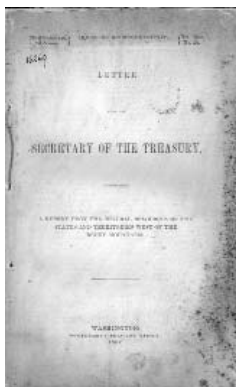
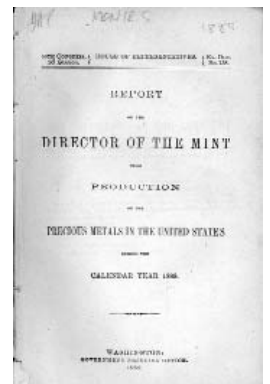
1164. Mining. General. *Dictionary of Arts, Manufactures and Mines Vol. II, Ure, Andrew, MD, 1853.* Published by Little, Brown, & Co. 998pp, alphabetical listings. Pages 132 through 229 are all related to mining industry with other listings regarding the industry but not beginning with M. This is only volume II of the series. Professionally rebound. A few pages have small tears at edges due to acid paper. Very fine. \$100

1165. Mining. General. *Elementary Geology, by Edward Hitchcock, 1840.* Hitchcock was a Professor of Chemistry and Natural History at Amherst College, and Massachusetts State Geologist. Published by JS & C. Adams, 1840. Hardcover, brown with floral detailing, gold lettering on spine faded. Cover is very worn. Pull out Paleontological Chart at front has been colored with what looks like water colors; it has been repaired with Christmas stickers. Has another pull out chart of Stratified Rocks. Covers rock classification, chemistry and mineralogy of geology, lithological characters of stratified rocks, and of unstratified rocks, paleontology, aqueous and atmospheric agencies in producing geological changes, the history of geology and more! Illustrated and indexed. Pages show foxing and general aging, but all text is legible. Overall condition is fair. \$150



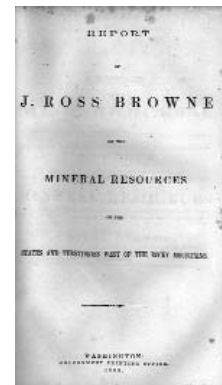
1166. Mining. General. **Freeport Minerals Co Specimen Certificate, c.1980.** Vignette of two allegorical females holding globe with right hands. Blue border. 8" x 12". Xf, hole punches at bottom and where certificate number would be. Printed by Security-Columbian. Freeport was a major mining company in the 1980's. \$50

1167. Mining. General. *Report of the Director of the Mint..., 1889.* 246pp, the last several pages are missing with the indexing being cut off at the O's. Gold production chart on the first page indicates that in 1888 more than \$33 million was mined in the U.S. Starting on page 87, there are charts that break-down production by county of the western states. Some of the states, including Colorado, Nevada, Idaho and Montana are broken by the individual companies, their production within each county. Cover missing. Pages in very fine condition. \$100



1168. Mining. General. *Report Upon the Mineral Resources of the States and Territories..., 1867,* Rossitor Browne. 321pp, not indexed. This volume is divided into 13 sections. The first section is a historical sketch of gold discovery in the west. There are sections on ore deposit characteristics of California and Nevada, including placer gold, Mother Lode, mercury and borax. Another section offers the general cultural and geographical features of certain mining regions. Professionally rebound, but in a very unique style of fold out hard boards. Pages in very acid and in poor condition. \$130

1169. Mining. General. *Report Upon the Mining Resources of the States and Territories...., 1868*, by Rossitor Brown. 674pp, indexed. Discusses precious metal production of the western states. In the more productive states, the individual counties are described. One of the main references we use in preparation of our catalogs. Professionally rebound. Binding in poor condition. \$125

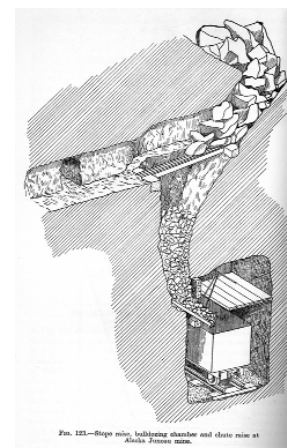


1170. Mining. General. *United States Steel Corporation: Methods for the Commercial Sampling and Analysis of Iron Ores, 1914*, copyright by J.M. Camp. Second edition. 62 pp, illustrated. Softcover (brown with black print). Damage to all pages at top and 1/2 " on both sides of center – water or some other liquid damage, causes some pages to stick together. This booklet covers sampling at mines, sampling from cars at works, cargo sampling, moisture sample, sieve test and many different methods of analysis. Overall condition is fair. The name E.A. Hellberg is written in pen on front cover. \$65 (no illustration)



1171. Mining. General. **USGS 21st Annual Report, 1901.** This volume is Part III, and contains 6 chapters with the titles listed below. *Newark System of the Pomperaug Valley, CT*, by William Herbert Hobbs, 161pp; *Laccoliths of the Black Hills*, by Thomas Augustus Jaggar, Jr., 131 pages; *Iron Ore Deposits of the Lake Superior Region*, by C.R. Van Hise, 126 pages; *Arkansas Bauxite Deposits*, by Charles Willard Hayes, 31pages; *Tennessee White Phosphate*, by Charles Willard Hayes, 11 pages; *Report on the Geology of the Philippine Islands*, by George F. Becker, 122 pages. Hard, green cover, with gilt lettering on spine. Vf, some pages loose in center, due to weak spine. \$75

1172. Mining. General. *Working of Unstratified Mineral Deposits, 1927*, by George J. Young, M.I.E.E., Assoc. Editor of the Engineering and Mining Journal Press. With a chapters on The Haematite Ores of Cumberland & Furness, by T.S. Durham, F.G.S. Published by McGraw-Hill Book Co., Inc., NY. Printed in Great Britain by Richard Clay & Sons, Ltd. 466 pp including index. Illustrated. Chapter topics include: Types of Ore Deposits, Mechanics of Rock Masses, Classification and General Features of Mining Methods, Mining Large Orebodies, Mining Tools and Underground Structures and more! Hardbound book with red cloth and gilt lettering. Cover is stained, edges are worn and corners are bent. Binding is good. Overall condition is very fine. \$50



1173. Mining. Gold/Metallurgy. *General Metallurgy 1913*, by H.O. Hofman, E.M. Published by McGraw-Hill Book Co., 1913. 909 pages, with several illustration, including a foldout. The boards are red with faded gilt lettering. Fine, wear to top and bottom of spine. \$30 (no illustration)

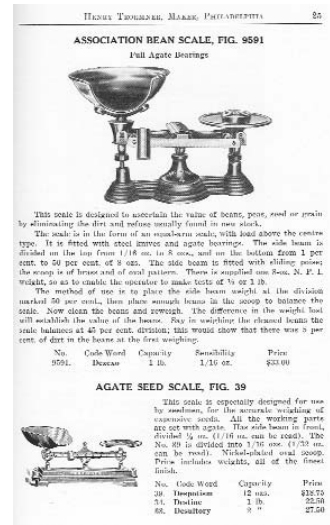
New Era Package
Cling Steel Ware
FIRST QUALITY ACID PROOF DURABLE

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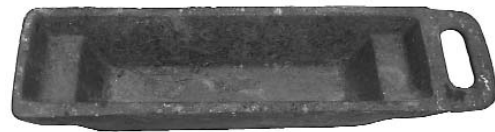
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232	1	4 Qt. Spoon	\$2.90
233	1	2 Qt. Spoon	\$2.90
234	1	8 Qt. Fork	\$2.90
235	1	6 Qt. Fork	\$2.90
236	1	4 Qt. Fork	\$2.90
237	1	2 Qt. Fork	\$2.90
238	1	8 Qt. Knife	\$2.90
239	1	6 Qt. Knife	\$2.90
240	1	4 Qt. Knife	\$2.90
241	1	2 Qt. Knife	\$2.90
242	1	8 Qt. Spoon	\$2.90
243	1	6 Qt. Spoon	\$2.90
244	1	4 Qt. Spoon	\$2.90
245	1	2 Qt. Spoon	\$2.90
246	1	8 Qt. Fork	\$2.90
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248	1	4 Qt. Fork	\$2.90
249	1	2 Qt. Fork	\$2.90
250	1	8 Qt. Knife	\$2.90
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252	1	4 Qt. Knife	\$2.90
253	1	2 Qt. Knife	\$2.90
254	1	8 Qt. Spoon	\$2.90
255	1	6 Qt. Spoon	\$2.90
256	1	4 Qt. Spoon	\$2.90
257	1	2 Qt. Spoon	\$2.90
258	1	8 Qt. Fork	\$2.90
259	1	6 Qt. Fork	\$2.90
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261	1	2 Qt. Fork	\$2.90
262	1	8 Qt. Knife	\$2.90
263	1	6 Qt. Knife	\$2.90
264	1	4 Qt. Knife	\$2.90
265	1	2 Qt. Knife	\$2.90
266	1	8 Qt. Spoon	\$2.90
267	1	6 Qt. Spoon	\$2.90
268	1	4 Qt. Spoon	\$2.90
269	1	2 Qt. Spoon	\$2.90
270	1	8 Qt. Fork	\$2.90
271	1	6 Qt. Fork	\$2.90
272	1	4 Qt. Fork	\$2.90
273	1	2 Qt. Fork	\$2.90
274	1	8 Qt. Knife	\$2.90
275	1	6 Qt. Knife	\$2.90
276	1	4 Qt. Knife	\$2.90
277	1	2 Qt. Knife	\$2.90
278	1	8 Qt. Spoon	\$2.90
279	1	6 Qt. Spoon	\$2.90
280	1	4 Qt. Spoon	\$2.90
281	1	2 Qt. Spoon	\$2.90
282	1	8 Qt. Fork	\$2.90
283	1	6 Qt. Fork	\$2.90
284	1	4 Qt. Fork	\$2.90
285	1	2 Qt. Fork	\$2.90
286	1	8 Qt. Knife	\$2.90
287	1	6 Qt. Knife	\$2.90
288	1	4 Qt. Knife	\$2.90
289	1	2 Qt. Knife	\$2.90
290	1	8 Qt. Spoon	\$2.90
291	1	6 Qt. Spoon	\$2.90
292	1	4 Qt. Spoon	\$2.90
293	1	2 Qt. Spoon	\$2.90
294	1	8 Qt. Fork	\$2.90
295	1	6 Qt. Fork	\$2.90
296	1	4 Qt. Fork	\$

1178. Mining. Henry Troemner Balances Scales Catalog No. 1930, 1930. Catalog of balances and scales for "Silk and all Textiles; Counting and Estimating, Paper, Solder, Tack, Grain Weighing and for all Special Purposes." Troemner made scales for the U.S. Mint at Philadelphia as well as other branch mints. Includes drawings and prices of each item. Fascinating! Softbound, 6" x 9", 53 pages with index, stapled binding with slight pulling away of pages from binding at inside rear, some miniscule dirt on covers otherwise VF. \$150



1179. Ingot. Silver. L. C. Murray Silver Ingot. 999 Fine. 3 Troy Oz., Certified L. C. Murray. 3/4" x 1 3/4" x 1/2". While this ingot appears modern, we have no specific information on it. We did find an L. C. Murray writing papers for the USGS in the 1960's and 1970's that involved mining in the southeast, but we don't know if it is the same guy. L. C. Murray may refer to a foundry which offered the certified stamp to the ingot. \$200

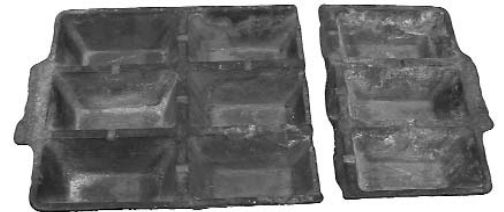
1180. Mining. Ingot Mould. Gold Ingot Mould, c.1880. About a 100 ounce gold ingot mould. Handle at each end. 3.5" wide x 10.5" long x 2.5" deep. Rusted. \$175



1181. Mining. Ingot Mould. Silver Ingot Mould, c.1900-1920. 2' x 3" x 2" (deep). Has one tapered end, the other with a handle for pouring. There are two stepped ledges at each end to form handles on the ingot for easier carrying. 1000-1500 troy ounce mould. Vf, rust. \$250



1182. Mining. Ingot Mould. Silver or Zinc Bullion Moulds, c.1890-1920. Broken into two pieces. One has three chambers that measure 2 x 2 x 4" each and overall measures 8 x 5.5". The other has six chambers that measure the same, but overall measures 9 x 8". The pieces are from similar moulds which have been broken. If the two pieces were put together it would form a mould with 9 chambers. Fine. \$100



1183. Mining. Instant Mining Stock Certificate Collection. Lot of about 80 pcs. A variety of different mining companies are included in this collection. A wonderful lot for the new collector or for resale. \$450 (no illustration)



1184. Mining. Lamp. Carbide Lamps, c.1905-1920. Lot of 2 similar pcs. These two carbide lamps are similar designs but are distinct variations. Both the lamps appear to be made by the same company having handles for carrying with an attached hook to the handle. There are also clips on the back side. The carbide canisters are nearly identical, one has some weld repairs the other is not even dinged. The most striking difference between the two lamps is the size of the reflector shield. One shield is 3" across, the other is 5.5" across. Minor rust. Very fine. \$75

1185. Mining. Lamp. Carbide Lantern, c.1900-1920. Large carbide lantern, found at a mine between Tybo and Hot Creek, NV. No markings. Hook at top for suspension. Rust. 4" tall x 3" around. \$50 (no illustration)

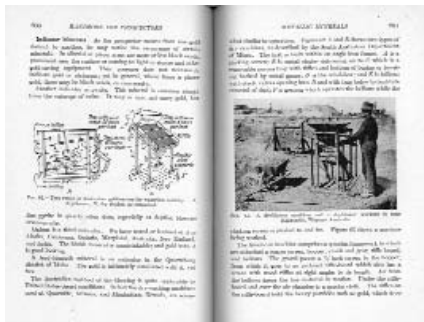
1186. Mining. Lamp. Justrite Carbide Lamp, c.1920. This is one of the most unique Justrite lamps we have ever seen. The lamp is designed for carrying rather than mounting on a hard hat. The lamp stands 11 inches tall without the handle up and is 4.5 inches in diameter. The lamp is nickel plated all around, even handle. The globe has "Justrite" embossed near the top. There is a cage that wraps around the globe. The mechanisms are all in excellent condition. Just below the adjuster screw, at about mid-high, is the patent information with a date of 1917. There are a few small dings in the base. Overall Extremely fine and extremely rare. \$400



1187. Mining. Lamp. National Carbide Miners Lamp Fuel Can, 1910-1920. The can has the original red paint with white letters and stands nearly 13" tall x 8" diameter. The can has a few dings and is missing the lid. Overall in very fine condition. \$75

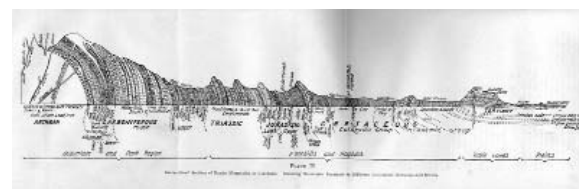


1188. Mining. Law. *Morrison's Mining Rights, 14th Edition, c, 1910.* 698pp. The first four pages are missing. This is a legal reference for all aspects of mining and mining related activities. The material covers state and federal laws and cites references to court cases that decided various issues relating to mining. There are sections on coal, oil and gas, Mexican law and a glossary of mining terms. Original hard green cover. 4.5 x 6". Fine. \$100

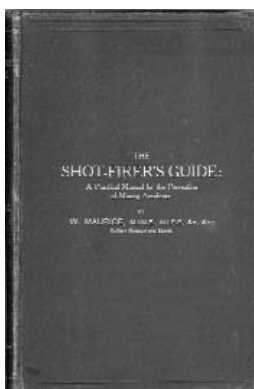


1189. Mining. Prospector's Handbook. *Handbook for Prospectors & Operators of Small Mines* by **M. W. Von Bernewitz, 1943.** The book includes such chapters as: Aid to Prospectors; Tents, Clothing, Water, Food & Utensils; Mineralogy and Geology in Prospecting. 547 pages, indexed and includes a glossary of terms. 7.5 x 5. Rigid green cover with gilt lettering on binding. Extremely fine. \$30

1190. Mining. Prospector's Handbook. *Prospecting for Gold and Silver*, by **Arthur Lakes, 1895.** Published by Colliery Engineering Co. 287 pp, indexed. There are many illustrations of fossils, geologic cross sections, mining tools and machines, landscapes, geomorphic interpretations, minerals and mineralogy, underground mining techniques, etc. Cover in poor condition. First page is missing a large chip. **Arthur Lakes** was a Colorado School of Mines professor. The library there was named in his honor. \$85



1191. Mining. Safety. *Shot-Firer's Guide: A Practical Manual for the Prevention of Mining Accidents*, by **W. Maurice, M.I.M.E., M.I.E.E., Colliery Manager and Expert, 1914.** Published by "The Electrician" Printing and Publishing Company, Ltd, London. Also published in New York, Japan, India. Illustrated, 203 pp with index, additional catalog of "Selected Standard Electro-Technical Books..." available. The book covers Explosives, Detonators and Fuses, Exploders, Wires and Cables, Testing, Practical Applications, plus several chapters on the accidents that can happen from using explosives and from the conditions when explosives are used (i.e. dusts that become explosive etc.) The book was published to help reduce the number of accidents caused by carelessness and thoughtlessness. The introduction reports: "In Great Britain alone 106 mine explosions have been caused by shot-firing during the past 10 years. In the same period, more than 3,000 persons have been injured and over 500 killed by accidents arising out of the use of explosives. On the average, one person is injured every day and one dies as the result of his injuries each week throughout the year." Hardcover, black cloth with gilt lettering. Cover shows some wear, binding is a bit loose, but all pages intact. Overall condition is fine. Great book for anyone who wants to know how they did things back then! \$150



1192. Mining. Scale. **Folding Brass Countertop Apothecary Scale** with no case, "Made in Germany". 5.5" tall, 3.5" wide, 2.5" deep small brass scale with single pan resting atop pendulum weighted device with veneir showing weights in drachms. Very cute piece, but possibly made specifically for the collector market. Probably dates to 1920-30, perhaps a bit later. \$150



1193. Mining. Scale. **Folding pocket scale in long mahogany (?) box.** This rare and unusual scale unfolds as the box is opened, designed for tabletop use. It has a standing beam 3" high, 4.5" long. The small 0.5" diameter pans are attached and open outwards, suspended by a hinged contraption from the beams using solid brass instead of string or chain. No maker's name anywhere. This is probably known to scale collectors by a specific patent name, but I was unable to find reference to it. One 3 dwt weight is present, indicating the possibility that the scale is British in origin, but we cannot be certain. Original, perhaps dating to 1860. Fully closed, the box is 6" long, 1.25" wide, and 1" thick. Clasp is damaged, otherwise very fine. \$325

collectors by a specific patent name, but I was unable to find reference to it. One 3 dwt weight is present, indicating the possibility that the scale is British in origin, but we cannot be certain. Original, perhaps dating to 1860. Fully closed, the box is 6" long, 1.25" wide, and 1" thick. Clasp is damaged, otherwise very fine. \$325

1194. Mining. Scale. **Gram weight set in wood box. 7 pinch weights, .5 to 20 grams.** Each is marked with the word "Gram" except one, which is not original to the set. In a wood flap hinged compartment at lower right are the sheet cut brass weights, all present. Overall size 2 x 3.25 x 1.5". Date unknown, perhaps 1920. \$50



1195. Mining. Scale. Gram weight sets in identical custom wood boxes. Lot of 2 identical sets. Contains eight pinch weights. Each marked with digits on top of weight body. 5 x 2.5 x 1.5". Aluminum fractional weights for fractional grams also present, along with tweezers, each in custom cut space. \$90



Lots 1195 & 1196

1196. Mining. Scale. Gram weight sets in wood slabs. Lot of 2 sets. These sets are usually found with glass enclosed balance beam scales in the lower drawer. Both sets are missing three pinch weights each and most of the fractional smaller weights. Tweezers present on both sets. Each small weight compartment is glass covered. \$85



1197. Mining. Scale. Jeweler's Pocket Scale, French. Suspension scale in wood box. silver plated tweezers with jewel scoop on one end contained in custom fitted portion of lid. Scale has 4" nickel beam with 1.5" diameter pans 1/2" deep with green string suspension. No maker's name. Weight box at right has a few weights present, all in metric carats written in French. One brass weight appears not to go with this set originally. Overall size 4.75" x 2.5" x 1.25" thick. Date uncertain, perhaps 1890. \$325

1198. Mining. Scale. Jewelers Pocket Scale, American. Very nice and fancy scale in wood box made by H. Kohlbusch in New York, undated, but perhaps 1900. This is another scale that is probably known to collectors by a specific patent name, which we were unable to find. The body of the scale is attached to the box lid. The lid is opened and a support kickstand is inserted at right. The center piece for the balance beam is attached to the lid with ivory measure lines (Vernier) at bottom. Balance beam is nickel, 5" long, with string suspended pans 1 5/8" diameter and almost 1/2 inch deep. The Karat weights are all present, with 5 pinch weights and 10 flat weights. There appears to have been a cover for the small compartment holding the small flat weights but it is not present. Black velvet lined base. Overall size 3" x 6" x 1" thick. Very nice. \$325



1199. Mining. Scale. Miner's scales in steel box, c.1890-1900(?). 6.3" x 3" x 1" thick. Oval case, forest green exterior brownish red interior. Cover has gilt floral pattern surrounds an heraldic eagle. Heavily worn. Small weight box still present at lower left, containing 6 small fractional brass and nickel weights. Four of the weights are simply punched with a single numeral. One other has four double circles, one punched in each corner, and the other weight has a "100" punched at center. The scale is a suspension scale with string suspended pans 2.5" diameter with rolled back pressed edges. The beam is 5.75" long. There are no markings anywhere. \$325

1200. Mining. Scales. Apothecary Scale in original wood box. Contains suspension scale with glass pans. Steel 6" beam with 2.5" diameter polished glass pans suspended by chord. Colored tassels adorn the beam where chord is attached. Two English language paper labels are adhered to the inside lid showing apothecary weights and some conversions. A small square wood box is in the lower right corner containing the weights. 4 pieces are present, a 1 drachm (ounce) weight and three small brass sheet weights with their appropriate weight stamped, in this case a 4, 5, 6. Each of these are marked by punch marks of small circles in the corners or along edges. Appears to date to approximately 1880, but could be earlier. \$325 (no illustration)



1201. Mining. Souvenir. World's Fair Mines & Mining Exhibit Souvenir Glass, c.1875. Clear glass with "World's Fair" over an image of the exhibit building and "Mines and Mining" below image all etched (frosted) in glass. 4" tall and 2.5" diameter. 2 imperfections (one bubble and one nipple) from original manufacturing. Extremely fine. \$175

1202. No Lot.

1203. Mining. Tools. Augustine Brass Casting Co Hammer Head, c.1900. The name of the company is embossed in one side. The other side gives the place of manufacturing as Stockton, CAL. The hammer head has been well used, but in good condition for being brass. The head must have been a specialty hammer, but we are not sure the application. 4" long, 2" tall and wide. Handle not with the head. Fine. \$25



1204. Mining. Tools. Long Headed Hammer with Pick & Specialty Wrench, 1900-1910. This wrench was designed to fit several different sizes of square nuts. The wrench has fittings for 5 different sizes with a round hole at the middle and a small hexagonal hole close to the handle. The handle is 6.5" long. The functionality of this wrench is very evident when it is held. The head of the hammer has a hexagonal shape that is 3" long. The pick side is also very long being more than 5.5" long. The handle of the hammer is similar to a modern framing hammer. Minor rust and in very fine condition to both pieces. \$40

1205. Mining. Tools. **Pick Axe Head & Pick Collection, 1880-1910.** Lot of 6 different styles. All are well used. One is cracked. The pick axe head is very similar to styles still used today with picks on each end. Original wooden handle. Handle has come free from the head. \$75 (no illustration)

1206. Mining. Tools. **Wooden Plane, Large, c.1900-1910.** A solid wood plane that measures 22" long, 2" tall and 2.5" deep. The plane is in excellent condition and with a little sharpening of the blade would still be very functional. The top has a pistol style grip. Wonderful antique tool. \$75

BOOKS, PHOTOS, RAILROAD & MISC

