

IT'S LOUSY WITH GOLD

Al Otness exhibits some fabulously rich free gold rock from his Mormon Basin claims, adjacent to Judge Newbury's Morning Star group. Among the specimens is a slab of quartz, which has been polished on one side and which is literally lousy with gold. It will grade anywhere from \$20,000 to \$100,000 per ton. Assays from a different character of quartz, found in the same property, returned \$7,600 per ton.

Mr. Otness says that the specimens shown are from a series of stringers out in a tunnel being driven for the main vein, which on the surface is about five feet wide. The stringers vary in width from two to eighteen inches. This is perhaps one of the most startling showings in the Mormon Basin camp.

A two-stamp Tremaine mill has just been completed on the property controlled by W. E. King, of Portland, whose superintendent is Billy Reynolds. King has offered to mill Otness' ore for \$3 per ton. Otness says he will get out some low grade rock—about \$20 ore—and accept King's offer, but will sack and ship his richer quartz to the Sumpter smelter, or to some Salt Lake plant.

King's mine shows a two-inch pay streak of very rich quartz. The property has been closed down on account of partnership disagreements, one owner having served an injunction against King, restraining the latter from further operations.

Mr. Otness left this afternoon for Baker City to lay in a stock of supplies and will work all winter on his rich Mormon Basin group.

PRODUCTION OF GRAPHITE

The importance of the graphite industry in the United States becomes apparent when one considers the quantity of graphite annually consumed in this country, the amount produced here, and the annual importation. In 1903 the United States consumed 37,758 short tons of graphite, valued at \$1,598,589. The value of the total home production was only \$225,554. Although this is an increase of \$43,446 in value over the production of 1902, which had a value of \$182,108, it represents very much less than the quantity of graphite required to meet the demand. The annual importation of graphite into the United States each year far exceeds, therefore, the domestic production. The value of the imports in 1903 was \$1,207,730, against \$1,168,554, the value of the graphite imported in 1902. These figures are taken from a report entitled "The Production of Graphite in 1903," which Dr. Joseph Hyde Pratt has made to the United States Geological Survey. It is published as an extract from the forthcoming volume on "Mineral Resources of the United States, 1903," and may be obtained without charge from the Director of the United States Geo-

logical Survey, Washington, D. C.

Three distinct varieties of graphite are on the market—crystalline, amorphous, and artificial. Of the two natural forms of graphite the crystalline is the more valuable, and is usually a purer grade of graphite. It is worth about \$70 a ton, whereas the amorphous variety brings only about \$15 a ton. The artificial graphite sells for about \$92 a ton, its high value being due to the particular form in which some of it is produced.

Crystalline graphite can be used for all purposes for which graphite is required, but is employed chiefly in the manufacture of refractory products, lubricants, electrotypes, and pencils, for which it is especially adapted on account of its purity. The bulk of the world's supply of crystalline graphite is procured from the island of Ceylon. In the United States crystalline graphite is obtained principally from Essex and Washington counties, New York, and from Chester county, Pennsylvania; but small amounts are mined in Coosa, and Clay counties, Alabama. In Colfax county, New Mexico, and Albany county, Wyoming, are deposits of graphite, varying from semi-crystalline to crystalline, that are being developed and mined to a limited extent.

The production of crystalline graphite in the United States during 1903 amounted to 45,338,155 pounds, valued at \$154,170, which is an increase of 601,331 pounds in quantity and of \$28,026 in value, compared with the production of 3,936,824 pounds, valued at \$126,144, in 1902. The increase would have been larger if the mill of the Federal Graphite company, in Chester county, Pennsylvania, had not been destroyed by the fire early in 1903. The States that produced this crystalline graphite are New York, Alabama, Pennsylvania, New Mexico, and Wyoming.

Occurrences of amorphous graphite are much more abundant than those of the crystalline variety, but on account of the difficulty experienced in refining the crude ore, any of these deposits are not now of commercial value. The greater part of the world's supply of amorphous graphite is obtained from Austria-Hungary. In the United States supplies of this variety of graphite are obtained principally from Providence county, Rhode Island, and Baraga county, Michigan, but small amounts are mined in Sonoma county, California; Barton county, Georgia; Wake county, North Carolina; Lawrence and Pennington counties, South Dakota; Portage county, Wisconsin; and Ormsby county, Nevada. A new deposit of graphite has recently been reported three miles east of Bossburg, Washington, but little work has yet been done to determine the extent of the deposit.

The production of amorphous graphite showed a large increase in 1903. It amounted to 16,921 short tons, valued at \$71,384, or \$4.30 a ton, an increase of 11,852 tons in quantity and of \$15,420 in value as compared with the production of 4,739 short tons, valued at \$55,964, or \$11.81 a ton, in 1902. This large increase is due to the development of the Georgia deposits, the product of which was put on the market in large quantity, but at a very low price.

FOR SALE—Some large heavy draft teams. Terms will be given if wanted to responsible parties. **SUMPTER LUMBER COMPANY.**

OFFICIAL RECORDS.

The following instruments were filed at the court house in Baker City for record yesterday:

REAL ESTATE TRANSFERS.

DEEDS.

Sept. 5—L. M. Gosney and wife to Mary L. McKinney, lots 1, 2 and 3 block 9 Atwood's 3rd addition to Baker City; \$700.

Sept. 14—Baker City Real Estate and Home company to Addie E. Cosgriff, 41x100 feet in Boyd's addition to Baker City; \$750.

August 12—S. W. Levens and wife to Baker County Fair and Speed Association, blocks 65, 66, 68 to 71, lots 1, 2, 6 to 10 block 64, Levens addition to Baker City; \$1,425.

August 12—Jas. F. Ferguson to Baker County F. and S. Association, block 67 Levens' addition to Baker City; 2nd \$250.

August 12—T. B. Canady heirs to Baker County F. and S. Association, lots 4 and 5 block 64 Levens 2nd addition to Baker City; \$50.

Sept. 6—Aztec Land and Cattle company to Hewitt Land company, 640 acres in T. 10 and 11 R. 38 and 39 E. (in lieu of land reserved by United States); \$1.

August 6—E. B. Perrin and wife to Hewitt Land company; 640 acres Secs. 1 and 2 T. 10 R. 38 E.; \$1.

September 2—E. K. Chance and husband to Hewitt Land company; 80 acres in Secs. 21 and 28 T. 9 R. 37 E.; \$1,200.

July 7—H. Z. Perkin's heirs to Mrs. S. B. Ison, N.W. ¼ Sec. 28 T. 8 R. 39 E.; \$1.

August 10—J. A. Cates and wife to Josephine Ison, 80 acres in Secs. 21 and 22 T. 8 R. 39 E.; \$1.

May 27, '01—U. S. A. to R. Gibson, patent to 160 acres in Sec. 21 T. 9 R. 45 E.

August 31—Thos. Gray and M. Wakeman, to Mary S. Sturges, block 55 Levens addition to Baker City; \$125.

June 1—W. D. Robinson and wife to Wm. E. Leep and wife, 18 acres in N. E. ¼ N. W. ¼ Sec. 5 T. 8 R. 46 E.; \$450.

July 7—D. C. Perkins, et al, to Mrs. L. B. Ison, 2.5 interest in N. W. ¼ Sec. 28 T. 8 R. 39 E.; \$1,200.

Sept. 10—Samuel Thompson to Leonard Smith, 160 acres in Sec. 35 T. 9 R. 37 E.; \$125.

Sept. 14—Jas. Love and wife to Hewitt Land company, S. W. ¼ Sec. 1 T. 10 R. 38 E.; \$750.

March 22—Ralph Mead and wife to W. H. Hewitt, 161 acres in Sec. 2 T. 10 R. 38 E.; \$700.

Sept. 14—Wm. J. H. Hewitt to Hewitt Land company, same; \$900.

Sept. 16—W. M. Whittaker to J. K. Romig, north ½ block 3 McCrary's addition to Baker City; \$5,000.

May 7—Jas. Palmer and wife to Jno. Krogstadt, 208x312 feet in N. E. ¼ Sec. 29 T. 9 R. 40 E.; \$300.

Sept. 6—Jas. Calhoun estate to Mrs. W. A. Ross, 1 acre in Sec. 17 T. 8 R. 46 E.; Halfway; \$200.

Sept. 10—C. Sinnott to Jess Whittier, 160 acres in Secs. 25 and 26 T. 10 R. 40 E.; \$10.

Nov. 10, '02—Receiver to Miles Friuk, S. E. ¼ Sec. 1 T. 11 R. 37 E.; \$400.

Sept. 17—Jno. Lierney to Frank Macri, 160 acres in Secs. 11 and 12 T. 13 R. 43 E.; \$1,500.

July 8, '03—C. D. Hurd to Alice L. Love, lot 15 block 3 St. Louis addition to Sumpter; \$1.

Sept. 17—W. H. Hewitt to Hewitt Land company, S. W. ¼ Sec. 23 T. 11 R. 37 E.; \$725.

Sept. 16—E. Bahler to Jesse Corlew, ½ interest 10 acres in Sec. 2 T. 11 R. 41 E.; \$1,500.

Sept. 6—Jesse Corlew and wife to E. Bahler, 160 acres in Sec. 2 T. 11, R. 41 E.; \$1,500.

Sept. 16—A. H. Shipman to Mrs. B. Dufort, lot 4 block 1 Mill addition to Sumpter; \$450.

Sept. 17—H. Maden to H. C. Calrk, ½ interest in Ohio group of quartz claims; \$1.

Sept. 6—Jno. Chambers to Geo. F. Wright, ½ interest in Granite Butte quartz claim; \$330.

Sept. 10—Receiver to H. C. Armstrong, Brooklyn quartz claim, lot 561; \$60.

Sept. 14—Gray's Peak Gold Mining company, by sheriff to C. J. Johns, Devils Dream and Maiden's Dream quartz claims and placer ground located by Stinson & Grainger, on execution; \$2,000.

July 2—T. S. Kennerly, et al, to Snow Creek Lumber company, Mullen placer claim and Royal Blue 1 to 4 claims; \$1.

Attachment—W. J. May vs. A. B. West, amount for services as physician; \$310.

Inspecting the Gold Coin.

Three gentlemen from the east who are interested in the Citizens Consolidated Gold Mines company, the headquarters of which is at Wheeling, West Virginia, and is operating the Gold Coin group, Cracker Creek district, arrived this morning and were driven immediately to the mine by Superintendent Jack Doyle, before a reporter could get in his augur.

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It Will be to Your Interest

If you contemplate visiting the St. Louis Exposition, to secure reliable information as to railroad service, the lowest rates and the best routes. Also as to local conditions in St. Louis; hotels, etc., etc. If you will write the undersigned, stating what information you desire, the same will be promptly furnished. If we do not have it on hand, will secure it for you if possible, and without any expense to you. Address, B. H. TRUMBULL, Commercial Agent, 142 Third St., Portland, Oregon.