

THE DESERET EVENING NEWS.

TRUTH AND LIBERTY.

VOL. IV.

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vote will be in favor of the lease. This will complete the transfer of 465 miles of road in New Jersey to the Pennsylvania railroad.

MISSOURI.

St. Louis, 11.—Two passenger cars were thrown off the track of the North Missouri railroad near Wellsburg, Mo., last night. Two persons were killed, and between twenty and thirty wounded, several of them fatally.

MISSISSIPPI.

Memphis, 11.—A Jackson, Mississippi special agent says: The late election was the most orderly one ever held in the State. Semi-official returns show the house to be Republican, 51; Democrats, 73; Independents, 2. Senate, Republican, 24; Democrats, 12. A large Democratic gain. Governor Alcorn will resign in a few days, preparatory to taking his seat in the U. S. Senate.

PACIFIC COAST DISPATCHES.

HAMILTON, Nev., 11.—John Dales has been sentenced to imprisonment for life in the penitentiary for killing James Mack in this city six months ago.

San Francisco, 11.—It is reported that the United States and the Republic of Chile have agreed to a treaty for the settlement of the boundary between the two countries.

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THE TIN CONTROVERSY.

The tin question continues to be the principal popular topic in Ogden. The subject is discussed at street corners, in the stores and saloons and in private circles; the prevailing opinion being that the tin mines are a fact, that few of the regular assayers know how to obtain the tin from the ore, that certain parties have a private axe to grind in diverting the mining mind from Ogden channels, and that the present agitation will only help to establish the fact that rich deposits of tin lie in the mountains east of this city.

The difficulty in regard to assaying tin ore appears to be that when subjected to a heat of over 470° the metal evaporates, or is burnt out. Ore from our tin mines has been melted by blacksmiths and blanchers in a common crucible, and a large percentage of metal is obtained, while professional scientific assayers have failed to find any metal whatever from exactly similar specimens. Our "greenhorns" say that the assayers, who follow the book, burn out the metal.

A work on mineralogy and the reduction of ores by C. E. Dana, member of several scientific societies, European and American, in describing the process of reducing tin ore, after speaking of the crushing and roasting, says: "After being thus purified as far as possible, the ore is usually mixed with pitch coal and a little lime and strongly heated in either a reverberatory furnace, or what is called a blowing furnace. A state of fusion is kept up for about eight hours."

"In an assay of tin ore after pulverizing, washing, roasting and weighing, the ore should be mixed with lamp-black or charcoal and heated in a covered crucible to a white heat."

If these directions are followed, no tin will be found in either the Ogden or any other ores, for the metal will be destroyed.

In Overman's Treatise on Metallurgy, p. 638, we find:

"Tin melts at 442°, and resists a red heat very well, but at white heat it evaporates, and burns with a blue flame."

The books differ as well as the "doctors," and hence the failure of some and the success of others, as they follow either writer.

Mr. Washington West, of St. Louis, who is interested in the Ogden mines, a short time since forwarded samples of metal, obtained by the "greenhorn" process, to St. Louis, for examination, and has received the following results:

St. Louis, June 14, 1871.

Mr. W. West:—Dear Sir, I have examined the button you gave me with the following result:

On treating it with boiling nitric acid it was completely converted into a yellowish white precipitate, with copious evolution of nitrous acid fumes. On treating the precipitate with nitro hydrochloric acid, it was dissolved almost entirely. The solution treated with sulphide of ammonium gave a yellowish white precipitate which re-dissolved in excess of the precipitant. I therefore conclude that the greater portion of the button is tin. Respectfully,

FELIX MCARDLE, Analytical Chemist.

St. Louis, June 14, 1871.

Mr. W. West:—The button of metal contained nearly 90 per cent. of tin, the remaining 10 per cent. being composed of iron, slag, etc.

The ore has been carefully analyzed without finding even a trace of tin in it. Respectfully,

FELIX MCARDLE, Analytical Chemist, Box 2475, St. Louis, Mo.

Similar samples from other mines were sent to Salt Lake City a few days ago, and below are the certificates received.

ONE SAMPLING MILL AND ASSAY OFFICE.

Messrs. Walker & Co., SALT LAKE CITY.

We have assayed the metallic button left with us with the following result:

Tin 81.5 per cent.

LEWIS JOHNSON & CO., per Geo. T. HENRY.

ASSAY OFFICE OF GEORGE M. NORTON, SALT LAKE CITY, Nov. 5th, 1871.

A. M. Jones:—Dear Sir:—I have carefully assayed the sample of Tin Button left with me and find it to contain as follows:

50 per cent. of tin.

GEORGE M. NORTON, Assayer.

Mr. Bennett, of New York, now in this city, has received from Mr. T. Bennett, of Salt Lake City, certificates of 44 per cent. and 61 per cent. tin from samples sent by him for assay.

Mr. John L. Child of Riverside showed us on Thursday 25 grains of tin, run out of five ounces of rock, from the "Honest John" mine, by Messrs. West and McGear.

We present these facts for the consideration of the public, feeling interested in the dissemination of truth, whether in relation to minerals or anything else.

A sort of challenge has been thrown out in Salt Lake papers for Ogden men to come to the assay office, and to assay the tin from Ogden ores at the assay office. We advise Ogden men to stay where they are and develop the mines. Ogden is open to Salt Lake, what is being done is not covered under a bush; let those who are interested in the tin controversy "cut and run" anything in it," come here, we have several "greenhorns" who will be happy to show the scientific men how it is done.—Ogden Junction.

NOTICE.

THE co-partnership heretofore existing between J. M. Jones and J. M. Jones, is hereby dissolved by mutual consent.

Any one knowing themselves indebted to the above firm is requested to call on J. M. Jones at his old stand, who is the only person to whom claims should be presented.

Claims against said firm are to be presented within thirty days.

J. M. JONES, SALT LAKE CITY, Nov. 5th, 1871.

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