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SUCCESSFUL SMELTER

Reverberatory Plant at La Bufo Solves Smelting Problem.

The Richardson Bros., who own the La Bufo copper mines in Sonora about 160 miles westward from Mafiac, this state, have solved the smelter problem by a 30-ton reverberatory copper furnace built on the ground out of silica bricks, and using dry oak wood for fuel. Davis Richardson, president of the La Bufo Mining and Milling Company, who spent Thursday and Friday in this city, is so enthusiastic over the success of the plant that he does not hesitate to say that many similar plants will be established in the Sierra Madres in the near future. His company is putting up another 50-ton plant, the Cieneguita Copper Company is putting up two 50-ton furnaces, and other companies in Sonora are considering putting them up.

The Richardson Bros. have been shipping their high grade ore out 160 miles on mules to the railroad up to three years ago. They then employed Edwin M. Clark, an expert smelter man from Butte, Montana, to come to La Bufo and solve the problem for them. He did so by means of an experimental plant of five tons capacity, and for two years past they had the 15-ton plant in operation. Mr. Clark is under a five-year contract with the company.

This plant turns out three tons of 47 to 55 per cent copper matte for every 15 tons of ore. Its method of operation is so simple that it can be operated by anyone, thus dispensing with a skilled smelter man.

The La Bufo people use only one American to a shift. It requires an American cord of dry oak wood to the ton of ore. It can run a charge containing as high as 55 per cent silica while the upright smelters can not run over 35 per cent. The loss by this plant is about four per cent of the silver and a small fraction of one per cent of the copper.

The brick which are made on the ground are composed of pure non-mineral bearing quartz with one-fourth of clay. Everything about the furnace is made right there except the iron work. Air from the compressors is used instead of a blower.

The 50-ton furnace now being built is similar to the one mentioned, is 36 feet long and 12 feet wide. It will cost between \$12,000 and \$13,000 Mexican money, excepting the stack which the company has for the present plant. This stack is about 440 feet long running up a hill. It has four dust chambers. Mr. Richardson says the stack is the principal cost of plant.

The company has now a calcining furnace and is experimenting with a refining furnace.

Mr. Richardson says there is clay suitable for these furnaces in many places in the mountains. In fact small plants can be made of adobes if lined with fire brick. He says that their 15-ton furnace ran from January to August and required "fettling" but once.—Chihuahua Enterprise.

Republican County Platform.

We pledge anew the National and Territorial Republican platforms, as good Republican doctrine, worthy of acceptance by the American people and the people of Arizona and Santa Cruz county.

In the affairs of Santa Cruz county we pledge the utmost economy and care in the expenditure of public money.

We condemn the extravagance shown by the present Democratic administration of Santa Cruz county, in the adoption of plans and construction of a Court House far beyond the needs and requirements of the county. There was an authorized issue of bonds to pay for a Court House, and the money realized should have covered the entire cost of the building and grounds, but the entire sum was expended upon the structure alone, and several thousand dollars additional were expended upon the grounds, and it is alleged that the entire cost of the building and grounds exceeded \$40,000. Contrast with that the cost of the Court House in the County of Navajo, created only two years before that of Santa Cruz, which Navajo County Court House cost only \$12,000.

We condemn the increased official salaries in counties of the sixth class, in which Santa Cruz county is listed, made by the Democratic legislature four years ago, by which nearly \$2,000 per annum were added to the salaries of officials in Santa Cruz county, viz: Four Hundred Dollars each to the salaries of the three Supervisors, Two Hundred and Fifty Dollars per annum to the salary of the Recorder, Two Hundred and Fifty Dollars per annum to the County Treasurer, Two Hundred and Fifty Dollars annually to the District Attorney, making a total of \$1,950 per annum added to official salaries, wrung from the pockets of taxpayers.

We condemn the payment of Twelve Hundred Dollars annually to the Sheriff for assessing the property in Santa Cruz County, when Six Hundred Dollars would be liberal compensation.

We commend the action of the last Grand Jury in going into and investigating extravagance in the Court House, and regret that they could not have had sufficient time to make a thorough investigation. We demand an expert investigation of county affairs by an expert accountant, with ample time to go into everything.

We condemn the Board of Supervisors for neglecting to comply with the recommendation of the Grand Jury that county officials should be required to strengthen their bonds, and their further failure to follow a recommendation of the Grand Jury that the Board proceed to collect in accordance with law an acknowledged deficit in the County Treasury exceeding Ten Thousand Dollars.

We condemn the extravagance in public expenditure in the Nogales Public Schools, which should have been checked and controlled by the Democratic county school superintendent, whereby several hundred dollars were expended in

useless electric clocks, unnecessary type writers, etc.

We condemn the increase in the rate of taxation and the shortening of school terms under the present Democratic administration of Santa Cruz county.

We stand for honesty, integrity and a business administration of public affairs in Santa Cruz county, and we pledge our candidates, when elected to a rigid adherence to the principles laid down in this platform.

Respectfully submitted

RAY FERGUSON,
N. K. NOON,
R. EKEY, } Committee.

Live Stock Quotations.

Special to THE OASIS.

KANSAS CITY, MO., Saturday, Oct. 15, 1904. The run of cattle this week here, 82,000 head is very near a record breaker, only a few hundred head less than were received third week in September, 1902. As it is, the supply this week is the second largest ever had at Kansas City. Of course, the very large majority of the stuff has been range cattle of various classes. The market was 10 to 20 cents lower on nearly everything Monday and Tuesday, but has strengthened up since, and the week closes practically steady with the close of last week. The best sale of beef steers this week was at \$6.00, but the cattle were not very toppy. Western grass steers have sold at \$4.40 this week, and natives up to \$4.50. Colorado and Panhandle 900 to 1100 pounds steers ranged from \$3.15 to \$3.60. Cows have averaged steady for the week, and bring \$2.50 to \$3.00 mostly, sometimes more. Canners weakened yesterday, but are still as good as at any time previous to this week. Veal calves reached the \$6.00 mark this week, and close firm. More country buyers have been here this week than a week before this season. Prices on stockers and feeders have changed little or nothing this week, and range from \$2.75 to \$4.00 for the fair to choice kinds. Next week should be a good time to sell feeders as plenty of buyers will attend the American Royal Show during the week.

The hog market has been most unsatisfactory, and many shippers have lost money this week. Prices on good heavy hogs are 30 cents lower than a week ago, and highly mixed and inferior light weights and pigs are 50 to 75 cents lower. Top sales are now around \$5.45, with good packing hogs, 210 to 230 pounds hogs going at \$5.15 to \$5.30, and many sales of common stuff under \$5.00.

Sheep receipts are liberal yet, at around 40,000 head per week, but packers are taking care of their end of the receipts at somewhat higher prices this week, and country demand shows no let up. Best lambs bring \$5.25, muttons \$3.25 to \$4.00, country stuff \$2.75 to \$3.50.

J. A. RICKART,
L. S. Correspondent.

Try Barnes' cakes, cookies, doughnuts and pies. They are the best yet. *

NOGALES NOTES.

Interesting Items Gathered Around the Line Cities.

L. T. Bristol, Dentist, Marsh Bldg.

Thursday Mr. Harry L. Vaughn was in from Salero.

The Postal Typewriter, \$27.00.
F. A. Athearn. 5t.

Tuesday Captain L. W. Mix went to Tucson on business, thence to California.

Young people's meeting at the Congregational church Sunday evening at 6:45.

Landlord Iager of the Montezuma hotel at Nogales, and the Santa Rita at Tucson, was at Nogales Thursday.

Gents' and boys' clothing and underwear, stylish, cheap and durable at the Red House, Ramon Vasquez. *

Thursday John Glissan went out to the new camp of P. E. Murray, near Bloxton with a load of mine supplies, lumber, etc.

Don't fail to hear Hon. George H. Maxwell, the eloquent exponent of irrigation, at Armory Hall, Nogales Thursday evening of next week.

Wednesday Judge W. H. Barnes returned home to Tucson, from the east, with Mrs. Barnes, the latter yet suffering from the injuries received three months ago, at the St. Louis exposition.

Monday evening Mr. and Mrs. G. W. Tantau of the Yaqui mine, were at Nogales, with Miss D. Tantau from San Francisco, who had been visiting her brother at the mine, and was returning to her home in "the bay city."

Everyone in Santa Cruz county is interested in the projected government irrigation project on the river. Hon. George H. Maxwell will give details at Armory Hall Thursday evening of next week. All should turn out and hear him.

Monday night Governor Izabal and party came up from Hermosillo, en route to San Francisco to join Don Ramon Corral and escort him to his home in Hermosillo. Tuesday the party went to Tucson, thence westward.

Tuesday evening an enthusiastic republican in Nogales bet three to one that Charles L. Fowler would be the next sheriff of Santa Cruz county, and Con O'Keefe the next treasurer. After the bet was arranged and the money put up, he offered more money on the same terms, with no takers.

COFFEE

Food or not, one can do a better day's-work and be more comfortable, with good coffee for breakfast.

Your grocer returns your money if you don't like Schilling's Best.