

MINING IN THE BLACK HILLS

Wasp Number Two Begins to Pay Dividends.

DEVELOPMENT IN NORTH LEAD DISTRICT

Much Good Expected from Expert Scientific Work—New Process for Treating Graphite Ore at Little Expense.

DEADWOOD, S. D., April 28.—(Special.)—Another mining company operating in the Black Hills has begun to pay dividends. The Wasp No. 2 Mining company has paid its first dividend the past week, amounting to \$2,200, which goes to a number of Black Hills people. The company was organized for some time ago but was only recently incorporated. It is operating the Wasp No. 2 mine in the Yellow Creek mining district, three miles south of Lead. The mine is one of the old producers of rich ore, a great many tons having been taken out that ran about \$100 per ton gold. The lower grade ore is now being worked in a cyanide plant of fifty tons daily capacity. The mill started up about the middle of last August, and in the intervening time it has produced \$200,000 in value of gold. The dividends that are to be paid by this company, come entirely through the success of the cyanide process as adapted to the low grade ore of the Black Hills.

Twenty-Ton Cyanide Plant

The past week, the twenty-ton cyanide plant at Central City, which was formerly owned by the Bingham company, started up on ore from the Cornucopia and Park mines, near the Portland districts. The plant has been bought by Reilly & Barry of Central. The ore runs well enough in value to pay a good profit. The process is the wet crushing with stamps and immersion in cyanide.

New Cyanide Tanks are being put in at the Portland mill, at Gayville. The company is treating fifty tons of ore per day from the mines at Portland. The stock of the company is held mostly at Clinton, Ia. The plant is one of the most complete in the Black Hills.

The Hidden Fortune Mining company will probably begin work in the Bingham tunnel in Deadwood sulch, near the Elkhorn narrow gauge road, and in the Hooledge tunnel, which starts in Poorman gulch. This will develop the big tract of ground in the North Lead district to a depth of 400 feet from the surface, without the outlay of costly hoisting plants on the surface. It was intended to sink a shaft at each end of the property. The Bingham tunnel is in over 200 feet and it has cut through a fine ledge of free-milling ore that runs about 21 per cent gold. The Hooledge tunnel is encroaching the formation and will pass under the famous Hidden Fortune mine owned by Otto Grantz.

Site for New Stamp Mill.

The site picked out for the stamp mill and cyanide plant at Belle Fourche is the same that was selected by John Pierce of Sioux City when he had this lead ground bonded. The same plans will be carried out by the Hidden Fortune company that Pierce contemplated—the ore will be shipped over the Elkhorn road to Belle Fourche, where the mills will be erected.

The last week the expert people, H. J. Mayham and associates, were in the Hills looking over their newly acquired properties. They travel by special train, which is something new to the Black Hills. A special service was given the party over the Elkhorn from the city to Belle Fourche, thence to Hot Springs.

Much good is expected to result to the Black Hills from the expert scientific work that is to be done by Dr. W. H. Chambers and Eli Webb of Pittsburg, Pa., who have come to the Hills for the purpose of giving the miners a chance to get expert work done. They have leased a laboratory at Hill City of the Harney Peak Tin company, it being in the central part of the Hills. They propose to examine any rare sort of rock and conduct experiments upon the different classes of ore with a view of ascertaining what process is best adapted to them. A large per cent of the Black Hills ores carry other values besides gold and silver, which are invariably lost in the reduction process. These Pittsburg men intend to work out a process that will save the other values in the ore.

Twenty additional stamps are being installed in the Caledonia mill at Terraville, in operation very soon. The prospect is good for the Homestake company building the second cyanide plant this spring.

Soon to Ship Graphite.

The Copper Cliff Mining company of Ironwood, Mich., is about to begin the shipment of graphite to Chicago. A ledge of this material, over thirty feet wide, has been opened up on the company's property west of Rockford, in Livingston county, next to the Homestake range. It runs about 70 per cent graphite and 14 per cent silicate. The company has recently purchased the patent right for a new process of purifying graphite from a German company and an old graphitic ore has been purchased at a cost of about \$20,000 in Chicago. A patent has been applied for in this country and it will be installed first at Chicago.

The plant will have a capacity of nine carloads per month and the company proposes to supply it from the mine near Rockford. The silicate in the ore is needed in the process of refining the graphite. It is stated that the company will soon begin the shipment of copper ore to Denver. A low rate has been secured over the Burlington, which will admit of a good profit on the shipments.

A ledge of copper has been cut over fifty feet wide, which accompanies the graphite on the east. The values run well in copper. The new process that has been secured by the company for refining the graphite is similar to the cyanide process in its operation. An acid is employed, which is used over and over again, making the process very cheap. It is possible with this process to use with as low as 15 per cent graphite. The graphite ledge on this company's ground is over 2,300 feet long.

Big Ledge of Copper and Gold.

The Black Hills Copper company of Benton Harbor, Mich., has without doubt found a big ledge of copper and gold ore on a property about two miles south of the Copper Cliff company. A drift was run west at the bottom of a 400-foot incline and the ore was encountered in a strong ledge that is as yet of unknown width. It has been penetrated about twelve feet and the assays in gold and copper are very good. It was from this property in the early days of the district that a carload of copper ore was shipped to Chicago, which averaged 15 per cent of that metal.

The British-American company of Detroit, Mich., is sinking a deep shaft on a property between these two companies.

A ledge of copper ore will be encountered at a depth of about 300 feet. A better grade of copper ore is being taken out of the mines on Spring creek, ten miles south of this Rockford district. The ore is now rich enough to ship. They are now working at the Blue Lead copper mine.

CHEYENNE POSTAL BUILDING

Senator F. E. Warren Promises Speedy Award of Contract.

LARGER COMMAND FOR FORT RUSSELL

Post Will Soon Be One of the Finest in the Country—Hospital View for Wood Market and Other Local Industries.

CHEYENNE, Wyo., April 28.—(Special.)—Senator F. E. Warren returned this morning from Washington and will remain in the city for some days. He has returned with the contract for the completion of the federal building here will be let in a few days, and it is understood it is the intention of the department to hurry matters along.

Speaking of the proposed improvements at Fort Russell and the establishment of a larger command there, the senator said: "The appropriation of \$55,000 additional for construction of the buildings at Fort Russell, for which we had to make a hard fight, will be available July 1, and contracts will be let immediately for improvements to cost that amount."

Senator Warren says the post near Cheyenne will soon be one of the finest in the country; the road to the post from the city will be improved and not less than a battalion of four companies will be stationed there. Just when the additional troops will be sent to Russell is uncertain, owing to the many changes incident to the war in the Philippines, but in view of the fact that the trouble over there is about at an end it ought not to be many months before Fort Russell has its quota of soldiers. An army of 75,000 is to be maintained and as every post in the country is to be garrisoned, Russell will receive its share.

Speaking of the eastern market and business conditions, the senator said that business of all kinds is good and there is more inquiry back there now for western stocks and investments than ever before.

The price of wool and mutton is low, and beef is not high, although the markets are based upon substantial conditions, which will tend to increase rather than decrease values.

Regarding the price of wool, Senator Warren takes a hopeful view of the future for this community. He says the market is overstocked, the clip of 1900 being scarcely touched. The enormous quantities of wool imported during the last year of the free tariff have kept the markets glutted. Prices, however, are bound to go up, but just when the improved conditions will be inaugurated it is difficult to say. The surplus of wool is gradually being worked out, however, and it will not be long until there is a sharper demand for fleeces and the price of wool will advance accordingly.

Senator Warren says that the present speculative value of stocks and industrial stocks are too high, and in his opinion a great drop may be expected in these very soon.

The Union Pacific, Mr. Warren says, is fast becoming one of the greatest railroads in the country, and the extensive investments made the past year were but a earnest of what is to follow.

Commandant of Soldiers' Home.

HOT SPRINGS, S. D., April 28.—(Special.)—Colonel Arthur Lima, who has been commandant of the Soldiers' home for the past four years, will take his departure Sunday for his home at Canton. His successor, Colonel Lucas, is expected the fore part of the week.

Mrs. Cody in Deadwood.

DEADWOOD, S. D., April 28.—(Special.)—Deadwood is entertaining Mrs. W. F. Cody, wife of Buffalo Bill. She will remain in the city for a number of days.

South Omaha News.

Various predictions are made as to the result of the council meeting tonight in the matter of the nomination and confirmation of two members of the council. Rumor has it that Councilmen Martin and Dvorak are as variable in their opinions as the winds off Cape Hatteras. Before the meeting last Tuesday night these two members had virtually agreed to vote for Vansant, but at the last moment changed their minds and then the three republican candidates, Clifton, Mead and Vansant, say that it was useless to try to secure a confirmation that night so they withdrew their names for the time being. On Wednesday Vansant said that there was little if any hope for him and he notified the mayor to scratch his name off the list, as he did not like the idea of having to move to get a job. Vansant is rather independent about the matter and does not seem to care much which way the wind blows, but he said yesterday that since he was in the fight he would stay it out. Clifton still sticks, but the allied corporations are against him and last night his chances of confirmation looked slim.

The announcement has been made privately that Mayor Kelly is a candidate for re-election and that he will endeavor to make this second year of his term a marvel in good government, in order to convince the people that he is the right man in the right place. As a starter the mayor has ordered all slot machines turned to the wall on May 1. This order to owners of machines has been issued through Chief of Police Mitchell, and will go into effect at midnight on April 30.

There is one thing certain and that is a republican from the Sixth ward will be named first, and then if Johnson can be confirmed he will be named. Certain city officials assert that Johnson is deserving of the place, although a democrat, on account of the fact that he has been in the framing of the charter and his labors in Lincoln during the passage of the charter. Certain republicans who claim to know what is going on assert that Johnson has already been paid for what he did and that a republican should be appointed from the Fifth ward. It may be that the appointment of Johnson will hold the matter for some time longer, but if Martin and Dvorak can be induced to remain of the same mind during one session, there is a possibility of the appointments being made tonight, although the mayor still appears indifferent and may decide at the last moment to defer the matter unless he is sure his appointees will be confirmed.

Boom in the Horse Market.

A well known horse dealer doing business at the yards here said yesterday that it looked as if there was going to be a boom in horses during the present year. The market continues strong and the demand is really in excess of the supply. Last year's marketings from the ranges cleaned up a large percentage of rough stock and from now on there will be a better grade of offerings from the west in the condition of range horses has been most remarkable and some really good stock will be sent from there to this market this year. By the building of the fancy sale pavilion at the yards here will be provided and shipments, no matter how large, can be cared for.

Booming Street Fair.

It is stated that harmony now prevails in the camp of the street fair promoters, and that a republican should be appointed from the time members of the association subscribed

BOOSTS THE SUGAR BEET

Special Agent Saylor of Iowa Reports Its Growing Popularity.

FORTY-TWO FACTORIES ESTIMATED TOTAL

He Expects that Thirteen New Sugar Refineries Will Be Built in Various States East and West by Autumn.

WASHINGTON, April 28.—C. F. Saylor of Iowa, the special agent in charge of the beet sugar investigation of the Department of Agriculture, is in Washington and has submitted his report to Secretary Wilson. He says this year shows a very active tendency toward the institution of new beet sugar enterprises. Next autumn, he says, Michigan will have three new factories and Ohio, Indiana, New York, Colorado, Utah, South and North Dakota and Illinois will install new factory enterprises, making thirteen throughout the United States now in contemplation. A conservative estimate, he says, is that there will be forty-two beet sugar factories in operation throughout the United States by the end of next autumn. Everything indicates that the industry is thoroughly established throughout the country. Mr. Saylor says: "Even in the incipency of the industry, these factories have shown good profits, any apparent contest with the sugar trust. The sections of the country that seem most adaptable to the industry are where conditions call for new resources, as in Michigan, where there has been a phenomenal increase in the last three years, largely due to the waning of the lumbering industry of that region. There will be four factories there next season. California is the leading state in production, with eight factories, including the largest in the world. The immense amount of pulp and refuse left after the extraction of the sugar appeals especially to farmers and industries that grow out of farm products."

Mr. Saylor says no other feed for stock is so valuable and so cheap as beet pulp. The beet sugar factories turn out from 45 to 50 per cent of the original weight of the beets worked in the form of refuse or by-product. Sugar beet seems to respond especially to cultivation in the arid region, where they have given better results than any other crop. The arid section has been enabled to cope with other sections of the country where the crops have been produced.

ARMOUR'S ADDITIONAL FORCE.

General Manager Howe of the Armour plant is making preparations to increase the force of workmen at his plant on account of the gradual closing down of the Hammond establishment. The same price for stock will be paid as heretofore, as the local representatives of Armour have instructions to keep this market in touch with all other river markets. When the Hammond house finally closes there will be a little need of any of the laborers to leave South Omaha, as there will be plenty of work for all at the four plants remaining.

MADE CITY GOSSIP.

How receipts up to date show an increase of \$2,000 head over the corresponding date of last year.

A party of a dozen or more South Omaha people went to Seymour lake early yesterday morning.

City Clerk Shirkley is all swelled up over the reception given him Saturday night by the city officials.

More notices to clean back yards and alleys will be served today by the sanitary inspector and his assistants.

The funeral of Leon Sanders occurred yesterday afternoon. Services conducted by Rev. Irving Johnson were held at St. Clement's mission.

There is a demand for a printed charter and it is stated that the city officials should attend to this matter at once and not wait for the publication of the session laws.

On account of the sewer bonds being turned down by eastern buyers the city will have to make a borrow in order to protect itself until the bonds can be floated.

Members of Knoxall council, Royal arcana, will meet at the office of Denna Albery tonight and proceed to the joint session to be held at Metropolitan hall, Omaha.

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