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WEEKLY MARKET LETTER

WEIR BROTHERS & COMPANY

ESTABLISHED 1898

BROKERS AND DEALERS IN STOCKS AND BONDS

25 BROAD STREET

TELEPHONE BROAD 3443-4-5-6

NEW YORK

Saturday, May 14, 1921

Messrs. Church & Crampton, Publicity Committee of the new silver mining camp, Silverhorn, Nevada, request us to publish as news and gossip the following. This we pleasingly do without responsibility for any statements herein made.

25 BROAD ST., NEW YORK

WEIR BROTHERS & COMPANY

SILVERHORN, NEVADA

The number of new arrivals daily at Silverhorn indicates the truth in the prophecy that there will be 2000 people in the district within two months. Ten weeks ago there was only one prospector in the vicinity, and to-day there are well over two hundred with dozens of cars arriving daily. The number of new parties who visit Crampton Hill and Weir's Peak aggregate ten to twenty daily, with ever increasing numbers. Everyone is astounded with the showings. The large outcrops are being sampled as quickly as possible and daily new bodies of ore are disclosed. The mapping of the ore-bodies continues and elaborate plans are being made for models. These will include large glass models with plates of glass at every 15 foot interval. The work of surveying for those models is in progress. What has already been done in this line has done much to clearly define the tremendous bodies of milling ores, and the location of the exceptionally rich ore.

In the cross-cut being driven toward the Number Six workings on Crampton Hill the quartz was encountered last Monday fifty feet before it was expected. This indicates that the quartz body at this point is much thicker than had ever been previously computed. This work is being continued with double shifts and the cross-cut will be drifted from upon the foot-wall of the ore body when this is reached.

Another piece of important development will be the driving of a tunnel into the Mineral Monument from the east a distance of about 900 feet. This will be an adit and will be started near the France outcrop which is located furthest to the east. The mouth of the tunnel will be located near the collar of the Number Two shaft, which was formerly known as Whipple's Nickle Shaft. It was in this shaft that the ore body was recently sampled and found to carry such high-grade silver ore. Nickle ore from this shaft carries from four to 12% nickle.

The Number Two shaft is going to be one of the main workings, and plans are being completed for enlarging this and timbering it for a double and possibly even a triple compartment shaft. The shaft is about 100 feet in depth and drifts at the bottom have been run upon the foot-wall of the main quartz ore body. These drifts will be continued to the west and to the east. The work to the west will block the ore between the adit tunnel, which will start from the collar of the shaft to the west, and the drift which will be about 125 feet below, measured upon the dip of the vein. The continuation of these workings to the west will make it possible to satisfactorily block the ore beneath the entire Crampton Hill. The work when completed will satisfactorily block ore for a depth of over 285 feet below the very rich outcrops at the Mineral Monument.

Another cross-cut will be run from the north of the Mineral Monument toward the south and will be run to cross-cut the ore body, with the expectation that the Mineral Monument ore bodies will be more quickly and satisfactorily blocked.

The favorable samples taken from the Silverhorn Mining & Development Company Shaft continue to be the cause of much elation in the camp, and the net result is that future development will be guided by these recent discoveries, principally because of

the greater depth at which the samples were obtained.

On the Silver Dale property the force has been increased, and the work being done is preliminary to starting a more extensive development programme. The outcrop upon the Dale has been trenched, and laid open, and the ore-shoot more clearly defined. The ore from the mine is attracting much attention. The one lease which was allowed in the early days is producing large quantities of very high-grade silver ore. Samples from this point show much argentito and native wire silver occurs. Pannings from this point show native silver, and the amount is about three-quarters of an inch in the pan for each sixty ounces of silver to the ton. This is quite indicative that the major portion of the values occur as native. The occurrence has been considered one of the most exceptional found in the district. Engineers upon the properties state that they have never heard of such phenomenal values, and such a peculiar occurrence. Since most of the native silver occurs in particles which readily pass through a wire mesh screen size 80, it is not surprising that the native silver is not recognized in the rock with the naked eye or with the aid of a hand lens. This occurrence substantiates Mr. H. A. Titcomb's suggestion to the prospectors in the district, namely, that they will find panning of very material benefit, as samples which apparently do not carry values will show appreciable pannings of native silver. This is also true of the ores from Weir's Peak and Crampton Hill.

The ore bodies exposed upon the surface on the Dale have proven of such an extent that a tunnel has been started from the canyon below and will be double shifted and advanced to a point below these croppings. This tunnel will attain a depth of about 125 feet below the surface showings. The development has been held back until such time as surface work could be completed to positively demonstrate the dip, rake and size of the large ore shoot near Victor Huson's lease. Visiting engineers consider that the work done has opened up one of the largest high-grade silver showings in Nevada, and that it may prove of as great importance as the exposures upon The Nevada Silverhorn Company's property.

Additional surface development work is being started upon the Dale ground just to the south and west of the main workings, at a point where discoveries were made not more than ten days ago. In this locality samples of float have assayed as high as 2013 ounces to the ton, and a rough average sample of the higher grade of float showed about 700 ounces of silver to the ton. Last week work in this vicinity has disclosed what may prove to be the source of the high-grade. The ground will not be leased as was expected. Many bids have come in for leases upon this block of ground, but the company will probably do its own development. The continuation of the ore body on the Dale has been traced by Mr. R. M. Geppert, and Mr. H. A. Titcomb, who have devoted a great amount of time to detailed study of this portion of the camp. It is the opinion of Mr. Titcomb that in all probability there will be found other fissures which carry the characteristic quartz of the camp and which may prove to be of as great importance as those por-

tions of the ore bodies which outcrop more prominently.

Victor Huson, leaser upon the Dale property, has opened up the ore body upon his lease so that over ten times as much ore is exposed as was in evidence when he took over the lease. Mr. Huson has refused a number of very attractive cash offers for his lease.

The work of surveying the Silver Dale property for patent has been completed by Harry Bruce of Tonopah, and this patenting will be expedited as rapidly as possible. Mr. Bruce left camp for Tonopah but is expected to return almost any day.

As soon as word was received that a charter had been granted this company, immediate arrangements were concluded for the financing of the treasury, for development. The property was purchased by William Schaus, for William H. Pike and others of Las Vegas. Mr. Pike and associates made a visit to the camp last Tuesday and were greatly surprised to see any camp, in such a turmoil of excitement, such as exists at SILVERHORN. They pronounced the new district the liveliest place in the west. Engineers who examined the Dale Extension property have reported favorably for development. There has been little work done upon the ground, but the favorable location with such attractive showings on the surface make this group one of the attractive properties in the camp. Mr. Schaus, who is in charge, has made arrangements for starting a camp, and putting a crew of men to work. The Dale extension lies just to the north of the Silver Dale. The survey of this group has been practically completed by Harry Pollard who is being kept constantly busy making surveys upon the various groups of claims in the camp.

The old and well-known Nickle group of claims which was formerly owned by Mr. John L. Whipple, who owned the Nevada Silverhorn, is being whipped into working shape. Several of the most attractive showings are being developed by a small crew of men. There is at present only one boarding house in the camp, and this is so crowded that it is impossible to put more than a limited number of men to work. The restaurant which started only a week ago has been enlarged already, and cannot continue to handle the large number of people coming to camp without further additions. Plans are being made for extensive development upon the Silverhorn Mining & Development Company property. Samples taken last week showed 28.2 ounces of silver to the ton. Wednesday samples from the small prospect shaft showed 41.2 ounces of silver to the ton. There has been little development done on this group, and each day shows improvement of the ore and the possibilities of defining large bodies of ore. The character of the ore outcrop, and the ore exposed in the workings is identical to that which occurs upon the Silverhorn and the Silver Dale properties. The strike and dip of the deposit is the same, and it is the consensus of opinion that the old Nickle group will be the first property in the district to disclose the next ore body of great size. The Nickle is one of the properties which proves that SILVERHORN will not be a one mine camp. That the mineralization in the camp and district is more extensive than had before been expected is conceded by all parties visiting the district. The Nickle group lies just to the north of the Nevada Silverhorn property, and from Crampton Hill the Nickle outcrop appears as the most important exposure to the north. Arrangements are rapidly being completed for systematic development upon the group.

The Silver Peer property was taken over by a company with the same name. The group lies to the south and east of the Nevada Silverhorn property and has the continuation of the porphyry which appears so prominently upon the big mine. This porphyry can be traced from the 200 foot incline on Crampton Hill clear across the Silver Peer property. There has been considerable work done upon this group, and a shaft little over 100 feet has been sunk. The shaft is vertical, and cut an ore body of quartz at about 65 feet. This ore dipped to the north and the shaft passed through it and a cross-cut at the bottom of the shaft again cut the quartz, which shows very attractive values of silver.

Plans have been completed for the rehabilitation of this shaft, the drifting upon the large ore body and the cross-cutting at the various intervals sufficient to block out ore. While the treasury is financed work is held up solely upon the arrival of supplies, and building material. Expected to start work next week.

Ore body on Weir's Hill has been developed for over thirty feet. Samples taken by Thomas H. France, and also by a number of other parties show that there exists upon this new discovery a body of silver ore which in itself should be responsible for commanding the attention of the country. Plans for the development of this new showing are being made, and it is wholly probable that an adit tunnel will be run from a low point upon the hill in the gap between Weir's Peak and Crampton Hill, where a depth of over 150 feet can be obtained. This adit tunnel will start at a point on the big fault between these two hills. This fault has displaced the two hills a distance of about five hundred feet. The throw was apparently to the southwest. This new discovery has proven that the ore mineralization probably took place before the period of the big fault, but after the advent of the porphyry, and there has been no porphyry found as yet beneath Weir's Peak which would be the case had the porphyry come before the fault movement. As the crew of the Nevada Silverhorn Company has been increased by double shifting a great deal of the proposed surface development, and new work has had to be postponed until the completion of the new boarding house which will seat 125 people. The present boarding house is wholly inadequate to accommodate the present crew.

The building at SILVERHORN has been greatly curtailed because all of the lumber in Pioche was purchased in a lump, and the new orders have not yet been received. There are four cars of lumber ordered, and two others on their way to SILVERHORN. This material when received will cause a material and rapid growth. Dozens of different buildings, residents, tent houses, stores, pool rooms, barber shops, social hall, etc., are held up till the arrival of the material. Arrangements have been made with a number of truck drivers so that a fleet of trucks will start moving the lumber into camp just as soon as the cars reach Pioche. A lumber yard is to be started in the new town, and the lumber to supply this yard is en route to Pioche with special orders to rush. As rapidly as lumber is received in camp it is consumed in the new construction which is under way. Additional cars of lumber will be required immediately to complete the tremendous building program which is based upon the coming into the camp of many business establishments. To overcome this shortage of lumber some parties are moving houses from Ely and the vicinity of Ely. This will aid materially in the immediate establishment of the new structures.

A petition was passed around for a post-office a few days ago. Eighty-one names were secured within a few minutes, and many of those present never had the opportunity to see the petition, let alone signing it. The question of taking emergency measures for the immediate establishment of a post-office has been taken up with Congressman S. S. Arentz, from Nevada; Senator Lodge of Massachusetts, and Vice-President Coolidge, who evidenced marked interest in the rapid growth of the new boom silver town. These parties have taken the matter up with the proper authorities in Washington, and did so probably seven days before the petition could reach Washington. It is most probable that the post-office will be authorized before two weeks have elapsed. The need for a post-office is urgent. Much mail of major importance comes in daily, and is handled by courtesy of the Nevada Silverhorn Mining Company trucks which make daily trips in to Pioche. The number of telegrams handled daily to and from parties in Silverhorn aggregate many dozens, and the increase is such that additions to the force in Pioche will be absolutely necessary to handle the increased volume of business.

Mr. Thomas visited the new boom silver town last Monday and looked over the possibilities afforded by the extension of the telephone line from Jackrabbit to Silverhorn and from Silverhorn to Sunnyside. Mr. Thomas is the manager of the U. N. & I. Telephone Company. Mr. Thomas

visited the main properties and was greatly impressed with the showings and the fact that SILVERHORN has come to stay. The growth of the camp makes the installation of the telephone line from Jackrabbit to the camp of particular interest as the number of calls daily which would pass over the line would aggregate very many. The companies are considering the installation of their own line direct from Silverhorn to Pioche for their own use in the event that the telephone company does not start the immediate extension of their lines to the camp. In this event the companies would not act as common carriers, or public utilities but would handle all of the calls to and from the camp over their own lines. Further considerable discussion is heard of the formation of a privately owned company to operate the calls from Pioche to Silverhorn and with the three propositions now being considered it is very probable that immediate action by one of the three will result in early telephone service. The companies are somewhat inclined to favor the telephone company extending their line, as the activities in camp are now so extensive that they do not favor interesting themselves in activities not pertaining to the development of the properties. However, they are ready to take steps for themselves should the Telephone Company not care to take immediate action.

Mr. H. A. Titcomb and Mr. R. H. Geppert were permitted the courtesy of sampling the Number Two shaft showings of ore on the Nevada Silverhorn property. This is in accordance with the policy of the company, which is very open and the subject of much favorable comment by those visiting the new camp. These gentlemen checked the sampling conducted by the company under the direction of Thomas H. France, the consulting engineer. They were greatly impressed with the large showings of milling ores at this point, and particularly made mention of the rich ore which was disclosed. Engineers and capitalists bringing letters or satisfactory credentials are shown greatest cordiality and every effort is made by Frank A. Crampton, the manager of the Nevada Silverhorn Mining Company, to assist in disclosing past reports, assay-records, and geologic maps which assist materially in gaining information upon the district and the various properties.

Wednesday about twelve cars arrived in camp each carrying capacity loads. Those arriving from Tonopah, California, Ely and many points in Nevada. Three different groups of parties came in to judge the merits of the deposits for leasing. A number of very prominent people from Tonopah were represented.

At Silverhorn the firm of Church & Crampton, are conducting examinations for various parties, including those who are now operating as well as representing parties desiring reliable information concerning the new camp.

Much work has been done toward clearing brush from the camp site, and making spaces, and grading for the buildings which will be erected as soon as lumber arrives in camp. The camp is one of the most unique in Nevada, in that it is located in among lo whills where the juniper trees stud the hillsides. Water is available in large quantities. The climate is wonderful as the altitude moderates the heat which is more or less prevalent on the desert. There are many deer in the district, and this is due chiefly because up to ten weeks ago there was no one in the district, and they roamed the present townsite unmolested. The mine is reached by a trail several hundred feet long, and the elevation of the outcrop is not much above that of the town.

The Nickle group of claims upon which a small crew is now operating is being surveyed. There is yet no accurate district map, but the claims are now so well established in and near the new town that the completion of the district map, now in progress, should be within a very short time. Preliminary maps are for sale and can be obtained from the management of the Nevada Silverhorn Mining Company. There is a tremendous demand for these maps, and it is difficult to fill the many orders and requests for same.

Upon the Silver Dale property a number of improvements and additions have been made. A

large and spacious blacksmith shop was completed several days ago. Other buildings are being built upon the Dale property.

The Silver Dividend property located to the west and just north of the Silver Dale property has been acquired by Church & Crampton, and the Silver Dividend Mining Company is in the process of incorporation, and as soon as the charter has been granted work upon the group will be started. This ground has been partially surveyed, and this work should be completed within a few days. This group which was owned by W. H. Pitts and Mr. Sherman, has had some prospecting done upon it. The samples taken and assayed showed silver values. Systematic sampling and development is planned and a number of engineers in the district expect the disclosure of a large ore body. The outcrop upon the company's property is very prominent. Work upon a small scale is now going on. This group comprises one of the earlier locations in the camp, and its exceptionally favorable location and showings make it a most attractive property.

High-grade float found upon the Silverhorn Mining & Development Company's ground in the Silverhorn district has directed attention to the systematic trenching and prospecting for the ore in place. The work being done indicates that important development will probably occur any day.

Mr. J. C. Weir of New York City left camp on the sixteenth for Tonopah. Mr. Weir intended to stop in San Francisco, en route to New York City. Mr. Weir gave assurance that the development upon the Nevada Silverhorn property and upon the adjoining properties had disclosed the most remarkable deposits of silver which have ever come to his attention. Mr. Weir has given very careful consideration to the future development of this mine in which he is interested. No definite plans have been arrived at for a treatment plant for handling the immense deposits of ore. Mr. Weir says that before considering a mill to treat the ore, that considerable development will first be done, to determine the size of the plant which will be most suitable for treating the ore, and upon which development the size of the plant can be based. It is estimated that a 300 ton plant could be kept busy indefinitely upon the ore reserves now disclosed, but before grading for a mill is started complete data will be available and very probably a 500 ton plant will be the result. Considerable discussion is heard as to the process best adapted to handle the values in the ores of the district. The gauge is almost solely quartz, and averages about 92% Silica. There are several per cent. of iron present. The ore is very hard but fragile. While the wear upon grinding machinery will be a factor, this disadvantage is offset by other favorable features. There are practically no impurities in the ores. There is no antimony. Sulphur occurs in such small quantities as to be negligible. The silver minerals present are chiefly native silver and argentite with some chloride. The minerals would no doubt be reclaimed either by flotation or cyanidation. The metallic silver is so finely disseminated that when the rock is crushed it will pass through an eight mesh screen. Wire silver has been identified in hard pieces, visible to the naked eye at a number of places upon the properties. However, hard compact pieces of quartz which show no visible silver may contain quantities of the native metal. In some cases the ore showing no values will assay over two hundred ounces to the ton. At nearly every other silver camp, where the silver in the ore runs over 25 ounces to the ton, it can be visibly and easily recognized as high-grade. At SILVERHORN it cannot in all cases. Again, at this camp there is no lead. There are no indications that lead was at one time present. There are no phenocrysts or casts of oxidized minerals. The silver found in the district has not migrated from its position of deposition. Generally speaking, there has been no secondary enrichment from downward leaching of ores which at one time were at a greater elevation. The occurrence of Nickle ores is most noteworthy. The mineral Garhuerite, a silicate of nickle is rather abundant. In the assay-office nickle is frequently noticed in the cupels which turn very green when the nickle content is over a couple per cent. The presence of nickle frequently produces a somewhat brittle lead silver button, but the nickle is all expelled in the process of cupellation.

Contracts for fresh vegetables have been let by some of the companies in the camp to parties having ranches near Saint George, Utah. These ranchers drive over from Utah and take four days coming. The vegetables obtainable from Saint George are unexcelled, and despite the four days' trip to the camp, they arrive in very fine condition. Potatoes are obtainable from ranchers nearer to SILVERHORN and are being secured in ton lots. Beef is being furnished at the rate of four to five yearlings a month. Hogs arrive at the rate of one a week. Large cool cellars are being constructed by companies for keeping the meat in the warmer weather. There is going to be started a butcher shop, and provisions will be made to keep beef in carefully constructed cool cellars.

The new boarding house should and would have been completed this week but for the non-arrival of lumber. This will probably be operating the first part of next week. The structure provides capacity for seating about 125 people. The kitchen will be large, and well appointed. There are several companies which have made arrangements with the Nevada Silverhorn Mining Company to use the new boarding house for their men until they can complete their own camps. Therefore, just as soon as this is completed the crews of two additional properties can be handled, and the activity in the camp will be considerably increased. Those who bring in their own camp equipment and can board themselves find no difficulty in securing work.

The large residence of Theo. H. H. Crampton, who was the first engineer to examine the Silverhorn property, is completed. Mr. Crampton is associated with Mr. Fred B. Church, formerly with the Western Precipitation Company, which handled the Cotrell process. These gentlemen have closed their offices at 914 Hibernian Bldg., Los Angeles, to care for the management of some of the properties now operating in the district.

A 32-horsepower hoist has been ordered for installation upon the Number Two shaft of the Nevada Silverhorn property. This hoist will be installed as rapidly as possible, and will enable the pushing of development at depth upon the property. Consideration has been given to the installation of an air compressor and air drills, and with the establishment of the proposed development programme, this machinery will be installed.

Mr. H. A. Titcomb, one of the more prominent geologists of the country, has departed for his home at Palo Alto. Mr. Titcomb has given considerable study to the ore occurrences at SILVERHORN, and to the general geology of the district. He expects to return shortly to the camp, and to complete his general reconnaissance work. Mr. Titcomb stated that the geology of the district was one of the most interesting that he had ever seen. He was greatly impressed with the size and character of the deposits at SILVERHORN. He mentioned that practically any kind of rock a person could name it seems can be found in the district. Mr. Titcomb's presence in camp resulted in a great benefit to many of the operators, as he was ever willing to give his advice, which in all cases when followed out, has been found of greatest value. Mr. Titcomb enjoys the reputation of being one of the most conservative mining engineers and geologists in the country. He is a member of the American Institute of Mining Engineers, besides a number of other technical organizations, and his opinions and deductions upon mines are taken by the most conservative investors.

Two barber shops will be established at Silverhorn as soon as lumber arrives for the buildings which they will occupy.

The dance hall which is being moved from Ely to Silverhorn is arriving in installments, by trucks. This should soon be completed.

At Sunnyside there was a dance on the evening of April 16th. A number of people went from Silverhorn among whom were Mrs. Frank Crampton, Miss Edna McCally, Mr. Ernest Godbe.

Mr. A. O. Kimball, one of the best known practical mining operators in Nevada, and who lives at

Tonopah, arrived at Silverhorn on the 21st. He represents Tonopah interests and expects to make a rather detailed study of the camp.

Mr. J. Nelson Nevius, of Pasadena, California, arrived at Silverhorn on the 20th. Mr. Nevius was formerly geologist with the New York State Geological Survey, and is one of the best known economic mine geologists in the west. Mr. Nevius was formerly connected with the Vogelstein interests, and for some considerable time represented the Chamber of Mines and Oil, of Los Angeles. Mr. Nevius was the engineer who recommended the Ortave Mine, near Congress, Arizona, for reopening. From a detailed geological reconnaissance Mr. Nevius figured that he could recover the ore bodies which were abandoned in this mine, when what was known as the "Joker Fault" was encountered. Under Mr. Nevius' management the Ortave Mine now has blocked out 40,000 tons of ore which will aggregate close to half a million dollars. This was all accomplished with a conservative development programme. Mr. Nevius has been instrumental in bringing other mines "back." Mr. Nevius is carefully looking over the new camp, and while he was not interviewed, mentioned that he was greatly surprised to see the remarkable showing, which rivals anything he has ever seen before.

Alex Beard, Deputy Mine Inspector, dropped into Silverhorn on the 20th, and went over the ground. The new camp is apparently attracting attention of the mine officials who seem to be most interested in the developments and the progress the camp is making. Such remarks as "It looks like another Goldfield in the making" and "The camp will be flooded with people within two months" have been dropped. The Deputy State Compensation Commissioner recently visited Silverhorn, but since he left so many new activities have taken place that the camp is expecting another of his cordial visits, within a short time.

The new work which is being done upon the various claims has made the new camp sound like a barrage, because of the incessant blasting upon the different showings of ore. Warnings are in evidence requesting all visitors to keep off of Crampton Hill around blasting time. Permission to go upon the hill should be requested of visitors as frequently blasting is done in the middle of the morning or afternoon, and there is danger from so many parties going over the outcrop. At times one can look up at the outcrop and see many persons walking over it.

Accommodations at Silverhorn are most exceptionally good considering the increased population. Everyone is cared for, though frequently it is necessary to wait for the second or third table at meal times. The many new tents springing up accommodate the new comers, and the congenial atmosphere is something which everyone remarks about.

In the new camp of SILVERHORN there is an air of activity which is most apparent at every turn. No one has time to talk about all the things which are going on. Every direction one looks in they will see parties rushing here and there with telegrams in their hands, or special delivery letters to go out immediately. Everyone is in a rush but no word is heard of boom, as all those who are in the camp are too busy taking advantage of the opportunities to stop to talk. The activity is intense. In the main street there are at times so many cars, trucks and teams that it is necessary to roll them out of the way to let the new arrivals pass to locations where they can pitch their tents. Each car seems to be loaded with tents, bedding, cooking utensils and with parties intent upon casting their lot with those who have demonstrated the value of the mines in the district through reports made by the largest engineers in the district.

Silverhorn sees new engineers and capitalists arrive daily.

There are in camp now a number of engineers and as fast as one leaves, it seems that two arrive in place thereof.

At the University Club, where a register is kept of the visiting engineers, we find that the following

colleges are represented: Michigan, Wisconsin, Columbia, Vermont, Colorado School of Mines, Golden, Cambridge, England, Massachusetts Inst. Technology, University Southern Calif., and Cornell. There have been three men from Columbia, and two from Cornell, and other colleges are represented more than once, by the visitors. Many have not registered, and others who came before the register was started are not included.

Mr. Pitts who has started the store at SILVERHORN has had so much business that he is already planning extensive enlargements, and these include a larger force to take care of the customers. In order to handle the large amount of freight which is coming from Pioche to the store Mr. Pitts expects to purchase this next week a large truck to keep in supplies.

One of the most important features of the camp is the opinions of all visiting engineers that it will not prove a one mine camp. The companies now formed are the owners of properties which possess showings wholly worthy of development and work upon these will start just as rapidly material and equipment can be secured. A number of these have already been financed and have funds in the treasury ready to start work. Orders have been placed for material.

Mr. Ryan from Ely, Nevada, is in camp and arranging to take contracts and investigating leases. The policy of the companies as regarding leases is not entirely clear. A number have desired leases, and it is expected that there will be a number of leasers scattered over Crampton Hill and Weir's Peak.

Mr. Hagans from Ely is going to put in a shoe repair shop. Arrangement for leasing a piece of ground from the Nevada Silverhorn for a building has been made.

Herman Tietz of Ely, Nevada, is in the district for Ely interests among whom are Jack Croutzer, former manager of the Northern Hotel.

A party came from Tonopah on the evening of the 20th, and with them a Mr. Weir. A dance was on at the camp, and to the surprise of those present Mr. H. E. Weir who is in camp met his cousin whom he has not seen for fifteen years. Silverhorn is becoming the meeting place of men from all over the country. The general topics of conversation are what have you been doing and where have you been since I last saw you. The camp is filling rapidly with live and wide awake men who are ever on their toes to take advantage of the opportunities afforded by boom mining camps.

On the evening of the 20th, there was staged in the main street a bronco busting. This caused considerable excitement and a diversion from the topics of volumes of ores, porphyries, replacements, etc.

Clyde West of Pasadena, and part owner of the Silver King mine is in camp, and has secured interests in the new district.

About seven and a half miles southwest from Silverhorn there was just discovered a silver occurrence which has caused a small rush and the resulting staking of all the ground in the vicinity.

The restaurant at Silverhorn has increased its quarters to accommodate the increased volume of business.

M. H. Downer, one of the owners of Downer Bros.' Assay office at Goldfield, recently visited the new district, and looked over the showings of the Nevada Silverhorn property. It is rumored that Mr. Downer represented interests looking for a lease upon the company's property.

Murry Godbe, of Salt Lake City, representing local capital visited Silverhorn last week. Mr. Godbe was greatly impressed with the remarkable showings in the camp, and mentioned that in his estimation the discoveries were the most important that have been made in Nevada in years. He stated that in

all his experience in mining he had never seen such large outcrops of high-grade and milling ores. Mr. Godbe took a number of panorama views, which show very well the features of the immense outcrop. Mr. Godbe also commented on the rapid growth of Silverhorn, and stated that he expected to return in the very near future.

H. B. Blades, representing the Ingersoll-Rand company, visited the Silverhorn district this week, and was astonished at the growth and activity. He stated that Silverhorn was the liveliest camp he had had occasion to visit in the west in many days.

The Silver Dale Extension Mining company has increased its housing capacity, and is doing considerable toward developing its property, formerly known as the Spad group. Some very favorable reports are given of the progress and the developments upon this property. It is rumored that the company has associated with it very prominent mine operators of New York City.

The survey for patent of the Silver Dale claim was completed by Mr. Bruce and efforts are being made to complete the patent proceedings as rapidly as possible.

Henry Pollard, of Los Angeles, recently completed the survey of the Nickle group, now being operated by the Silverhorn Mining & Development Company. This property has rapidly developed into one of the most attractive groups in the new camp. Recent prospecting and opening up of the many showings indicate a very large silver ore body. Plans are now being made for the extensive blocking of the ore exposed at the surface. In places this ore outcrops for over thirty feet at the surface. The development of two springs which are upon this property has been under way for several days.

The pipe line has been completed to the new town of Silverhorn. This brings the water from the spring owned by the Nevada Silverhorn Company, which is capable of furnishing over 15,000 gallons a day and much more with additional development. The head is sufficient to supply a pressure of water to the town for emergency use in case of fire.

Many of the buildings first erected at Silverhorn have been moved to face the main street, and further growth will be regulated with a view to carrying out the street system which has been laid out for the new town.

Large timbers have arrived for the building of the log structure that will house the butcher shop, which is to be erected this week by John L. Whipple. Heavy timbers are being used to provide means for properly keeping the meat in summer. The butcher shop will be located upon the main street, and about opposite the store.

George T. Fletcher, of Ely, Nevada, and Oakland, California, visited the new camp and went over the property of the Nevada Silverhorn. He stated that in all his experience around mines he never had seen such golden opportunities as exist at Silverhorn at the present time. Mr. Fletcher has become interested in a store in Silverhorn, and left for Ely to shortly return, at which time he expects to become interested in some of the new business establishments.

George Oxborrow left Silverhorn Thursday for Lund where he will round up his herd of milk cows, and drive them here, where he will establish a dairy. The number of springs close to the new town make it possible for him to conveniently locate at no great distance from Silverhorn.

The Gaines brothers have opened their new store in Silverhorn, and have started a stage line to run daily from Silverhorn to Pioche. These parties will very shortly put up a garage, which will be capable of handling any work connected with the repair of machines. Mr. Harwood, a mechanic of much experience, will be in charge of the repair department in the new garage. The need for a garage is indicated by the many cars which are seen around the camp, having been run until they have broken down. No one seems to have the time to repair the cars, but only to complete the necessary

trips by auto, without a thought for the cars, but only the special business which must be cared for immediately and at all costs.

The Silver Dale company is having a topographical survey made of its property, under the direction of Messrs. Pollard and Bruce. Upon the completion of this work the geologic occurrences will be mapped by R. M. Geppert, who will probably be assisted by J. Nelson Nevius.

The new boarding house for the Nevada Silverhorn Company has been completed and will be in use Friday. This accommodates over 125 at a seating, and being well appointed it will be possible under strained conditions to care for two or three seatings at each meal. There are other restaurants now in camp, with the probability that several more will soon come in, and these should care for the increasing number of people daily arriving at Silverhorn. The boarding house is 30 x 60 feet, with a kitchen 30 x 40 feet, and living quarters 30 x 20 feet. A store room at the rear is capable of holding a carload of groceries, and there is an underground cellar for storing the meats and other perishables. This equipment involves all conveniences, and there will be installed labor-saving devices in the kitchen that will be unique for a mining camp, but which are most essential because of the number of people at each meal.

One of the greatest needs of the camp is a laundry, and the first person to install one in Silverhorn will probably find it a most profitable business venture. The need for a bakery is also very pronounced, and would secure sufficient business from the start to make the venture very profitable.

Work which was recently started upon the Silver Peer property involved the opening of the old shaft. A new collar set was placed and new ladders installed. The shaft has been cleaned of rubbish and muck and sampling is now under way. The disclosure of ore at this property is very large, and a development program has been mapped out which will block out ore very rapidly. Work upon this group has been retarded by the slow arrival of equipment and supplies. A new blacksmith shop is being built.

Fred. B. Church left Silverhorn for Los Angeles, and later to Arizona, where he will make an examination of a gold property with a view to starting active operations upon this group. Mr. Church is associated with Theo. H. M. Crampton under the firm name of Church & Crampton and these gentlemen have secured major interests at Silverhorn, but continue their outside activities in examining mines of merit, and in developing promising properties.

The general store owned by Mr. Pitts, and the first one in camp is being enlarged, and there has been dug a large cellar behind the store and beneath the ground capable of storing a car and a half of supplies. Not one store or business building which has been erected in Silverhorn has been sufficiently large to care for the business which has resulted upon the completion of the building. Now most of the new stores are being enlarged, with a view to increasing stocks. At the Pitts store it has been impossible to keep it stocked with supplies, as the demand has been so heavy. At the Pitts store in Pioche there are two carloads of supplies awaiting delivery to Silverhorn, and this is tied up on account of lack of adequate transportation, despite the fact that many additional trucks and teams have been put on the road.

The office of the Nevada Silverhorn Company will be moved to the old boarding house, and this build-

ing will house the engineering and office force of the company. Many improvements and new equipment will be added for the convenience of the engineers and to facilitate the large amount of work passing through the office.

A new road is planned to Silverhorn which will cut from the red hill east of town over the ridge and direct into the camp, thus shortening the distance considerably, and allowing a very favorable grade.

Frank A. Crampton, manager of the Nevada Silverhorn Company, made a business trip to Salt Lake City last week.

James F. O'Brien arrived at Silverhorn Monday. Mr. O'Brien was one of the first men in Goldfield, and will be recalled as starting the first newspaper in that town. Mr. O'Brien's opinion of the new camp was most favorable, and he stated that from the surface showings, and the development of the orebodies at depth, the future of Silverhorn was assured.

C. D. Breeze, of Las Vegas, arrived at Silverhorn and has taken up permanent residence at this place, making his plans to do so after assuring himself that Silverhorn promises to be the largest camp in Nevada. Mr. Breeze has become interested in several properties in the district and represents substantial interests who have followed mining for years.

The large dance hall being erected at Silverhorn is practically completed.

The barber shop and pool-hall was completed Wednesday and doing business that night. The barber shop is owned by W. J. Reid and its completion was handicapped materially by the non-arrival of lumber and equipment. Mr. Reid stated that after completing the hall and starting business, he saw clearly that he will have to make additions in the very near future.

Word from Washington indicates that the post office for Silverhorn will be allowed in the very near future. This is most encouraging as the need for the office is increasing daily as the crowds flock into the new town.

The new arrivals at Silverhorn include people from all walks of life. The capitalists, mine operators and engineers are fast being outnumbered by the influx of prospectors, business men, brokers, miners and others. They come from all over the country. One party just arrived by the Ford route, having driven from Globe, Arizona. Correspondence and wires received lately indicate that the number of parties headed toward Silverhorn will strain to the limit the accommodations. Engineers and investors who wire to the University Club and announce their arrival are generally most fortunate and are well provided for. There are many tents and accommodations, and the conditions for the comfort of all are much better than have existed in any other mining camp, but the fact that every place is crowded must be recognized.

Earle T. Godbe has placed his application for the position at postmaster at Silverhorn.

Chas. M. Taylor, formerly county treasurer of Pima County, Arizona, and mining engineer with twenty-five years experience in mining upon all kinds

of conditions throughout the west, has been retained to care for the operations upon the Silver Peer property. Mr. Taylor, who left his activities in the Mineral Hill district, in Arizona, expresses the opinion that the discoveries at Silverhorn are the largest he has ever seen in all of his experience, and indicated that Silverhorn will probably become the best known silver camp in the west.

Miss Marie Austin, of Pioche, Nevada, is located at Silverhorn with the family of Theo. H. M. Crampton.

Henry Pollard left for Ely last Monday and returned to Silverhorn with a piano. Mr. Pollard stated that there was little activity at Ely, but that it was expected that some of the copper properties there would shortly start work. He mentioned that it was good to get back to the excitement and the activities of Silverhorn. He expects to bring his family to Silverhorn within the next two weeks.

Very important discoveries of ore were made upon the Silverhorn Mining & Development Co. group last week. A new disclosure of ore showing \$25.60 to the ton was found and work started at once. At this point, as soon as some depth was obtained, the ore was sampled and found to show \$92.20 to the ton. This created considerable excitement in the camp. It further indicates that Silverhorn district will boast of a large number of important and profitable silver properties. There are many outcrops in the camp which have received less attention than the old nickle group, but which with some development will prove to be of great importance.

At the Nevada Silverhorn property, at the No. 2 cut, some cross-cutting was done into the east wall, where the values were thought to discontinue. When this work was carried about five feet the samples taken indicated \$50.50 to the ton in silver.

W. C. Godbe recently took a lease upon the Nevada Silverhorn property at the location known as No. 6, where considerable high-grade ore has been

exposed. The extraction of the ore was started at once, and Mr. Godbe is taking steps to put equipment upon the ground at this point to exploit the ore to better advantage.

A new location upon the Nevada Silverhorn property was found which is known now as Mulford's point, named after Robert Mulford, who examined the property, and first sampled this location. The point mentioned is located between Weir's Peak and Crampton Hill, and involves the occurrence of many tons of milling ore, which crops from the surface very prominently.

At the No. 5 cut upon the Nevada Silverhorn property the ore body has been determined to average \$17.50 and the extent of the showing at this point, and the blocking of the ore body here, indicates a very large tonnage, capable of keeping a mill in operation over a long period of time.

Andrew Burke, of Reno, Nevada, recently visited Silverhorn and was so enthused over the immense showings of ore, that he acquired a lease upon a block of ground 50 feet by 100 feet, and located not far from the Number One Shaft. Mr. Burke stated that he had been to all the new discoveries since the days of the Comstock and that he had never in all his experience seen such a large outcrop of ore susceptible to profitable reduction. He stated that when a mill once started operations that it would never get through handling all the ore on the hill. He considers the discovery the most important that Nevada has seen for years, and believes that it will prove the largest the country has ever seen. This opinion from Mr. Burke, who is known for his conservatism and his success as a practical mine operator, only goes to corroborate the opinions of the many engineers who have visited the camp.

Church & Crampton.

Theo. H. M. Crampton.

