method of reduction is to crush the conglomerate in stamp mills, and then to subject the pulp to amalgamation as at the Mercur mill. There are at the Rand now in constant operation about sixty mills similar to the Mercur mill, and each yielding about the same monthly product as the Mercur mill. There are many other points of similarity between the Mercur deposits and those of South Africa, in which the claims averaging the result the Witwatersrand under it. The Mercur deposits, it is worth, are much thicker than in the Rand.

BRIGHT PROSPECTS AHEAD.

"The average cost of mining and treating the conglomerate at the Rand is $6 per ton, while the Mercur ore is mined and treated at a cost not exceeding $3 per ton; the Sandstone ore does not cost more than $2. In both the latter cases the cost can be materially reduced with perfection of machinery.

"It will be seen from the foregoing that the conditions at Mercur and the Rand in South Africa appear to be identical, and if the Mercur deposits extend over even half the same area, they are capable of yielding much larger net returns than the marvelous Johannesburg mines.

"Doctor Hatch, a well-known authority on Transvaal mining, estimates that in the next four years the Rand output will be trebled; in other words, that by the year 1899 the yield of that district will have reached the enormous sum of $120,000,000 per annum, and that this immense production can be maintained for a period of at least twenty-five years.

"We have four cyanide mills now operating gold at Mercur, and with the completion of the Barcelonite mill, which is nearly ready for operation, there will be five yielding about the same amount of gold as was produced in the entire Rand district in 1887.

"If the Golden Gate company erects a mill commensurate with the wealth of ore already developed in that great property, the above output will at once be doubled. Many other properties in Mercur district are opening up valuable ore bodies and will doubtless become large producers during the present year. With such wonderful mines at our very doors, it behooves our citizens to be up and doing. Let every one who can spare a little from his business or savings set some idle man at work prospecting. It is a good time for the 'grub-stake.' Fill the Mercur district with prospectors, not to gratuitously prospecting and all mining ventures we should use every precaution and note that a prudent business man would use in his ordinary business affairs. It is only in the exercise of thoughtful care, intelligent discrimination and prudence in the selection of men and methods that prospecting and mining can be brought up to the standard of a legitimate business.

IMPORTANCE OF THE EXCHANGE.

"The exchange should at once become an important factor in the great mining movement that is sure to take place in Utah the coming season. We should change our listing rules so as to conform to that which is to be adopted in the New York and Chicago boards, dividing the stocks to be listed into three classes. We should list all regular dividend-payers in class A; stocks of producing and possibled dividend-paying mines in class B, and stocks of companies owning prospects and seeking capital for development in class C; the fees for examining and listing should be placed as low as is consistent with the support of the exchange.

"I am of the opinion that the commissions allowed to brokers are too low and should be increased until the volume of business would justify a return to the present rates.

"The listing committee should be reconstructed so that a working quorum could be obtained at any time at short notice.

"We should take such measures as may be necessary to increase the membership to the utmost limit, and to secure the cooperation and support of the strongest mining companies, so that we may encourage and help build up the weak ones.

FOSTER HOME INDUSTRIES.

"The operations of the exchange should not be confined to the development of mines of the precious metals. We should encourage every industry, and aid in the expansion of our already important coal interests. Home Utah coal is exported to the Pacific coast, and I would suggest, that if the quality of our coal is such that it will bear the heavy cost of transportation to that distant market, it ought to be good enough for our own people, and it is a sad commentary on the local patriotism of our own people to be compelled to import the two-thirds of the coal consumed in Utah to be imported from other states. Let us help to create a public sentiment favorable to the home product, until every citizen of Utah will insist on being supplied with Utah coal, thus giving employment to our own people. This will have a tendency to lower the cost of this indispensable factor in our mineral development, as the larger the product of the mine the more cheaply it can be produced.

UTAH'S RESOURCE POINTED OUT.

"We have valuable deposits of native sulphur, beds of soda, that are almost inexhaustible, quarries of the finest building and paving stones, kaolin for paving purposes, and the finest qualities of asphalt are now being hauled long distances in wagons and shipped to the eastward and to Europe, for the manufacture of the finest varnishes. Our salt companies are now supplying almost the entire intermountain country.

THE LEHI SUGAR FACTORY.

"We have one of the most successful beet sugar factories in America. It has produced the past year nearly seven and a half million pounds of dry granulated sugar, and I am pleased to state that it has remunerated its shareholders dividends. There should be at least a dozen such factories in these inexhaustible valleys that seem so well adapted to the growth of the sugar beet.

IRON, COAL, GAS AND GLASS.

"Iron in quantity and quality equal to the Lake Superior ranges, raises in large quantity and enormous other industries in the State, but their activities must be deferred until better transportation facilities are secured.

"A lignitic coal has recently been found about 8 or miles from this city, and is now being hauled in wagons and sold in the Provo market.

"Our city is now lighted with natural gas, but its price should be reduced so that it would become available for fuel. Utah is the largest producer of sand of any state in the Union, and as a large portion of our silver-lead smelter sold to the Colorado smelters, our modest neighbors in that great and enterprising state take the credit of producing all the lead that they buy from us.

"Utah reports a production of nearly two million pounds of copper the last year. This lead is solely incidental to our other industry operations, as no copper ores are now worked. The Anaconda copper works in this city should be continued—or failing in this—the Hall Lime smelter should resort copper furnaces, so as to afford a market for our copper ores of lower grades. This would lead to the active working of numerous copper mines in different parts of the State.

OUTWORKING POWER COMPANY.

"Our coal ores in many localities contain large percentages of zinc, which has hitherto greatly a lessened the value of the ores, as the zinc is separated in the smelting process, and heavy penalties are diverted to the mines by the smelters for zinc content, where, say, 10 per cent. The zinc blend can be profitably separated from the lead in the concentrating mills, owing to a difference in the specific gravity of the particles of the two metals, but the silver value still remains in the zinc. Recent discoveries have been made by which the silver and zinc can be separated from the zinc by electrical process, and I understand that negotiations are now contemplating the establishment of works in, or near, the city for the electrical separation of the metals, but in this connection it is interesting to note that the largest and most important water power electric transmission plant in the world, now in the Sierra Nevada mountains, transmits power a few miles from this city, and within the next ninety days will be delivering thousands of horse-power of electric power in Utah within the limits of Salt Lake City.

"This stupendous enterprise has been quietly prosecuted for the past two years, and is now nearing its end, unknown by many of our citizens. The source of power is the utilization of a water fall of nearly 400 feet in the largest and most reliable of our mountain streams, about thirteen miles from the city, and when completed this installation will have cost half a million dollars. The company have several other locations on the stream, and as the demand increases, other plants can be installed, furnishing all the power that is ever likely to be used. This cheap and dependable power should prove a great stimulus to the development of our manufacturing interests.

A GOOD FIELD FOR CAPITAL.

"With all our varied resources scarcely limited there is room a great and fruitful field for the capitalist and the investor, and it should be one of the chief functions of our exchange to aid to every legitimate enterprise that is seeking to utilize the raw products with which we are so bountifully provided.

"There seems to be an impression in some quarters that the exchange is a little too exclusive and conservative, and that some large speculators, whom I know to be optimistic gentlemen, have been given to understand that their cooperation in the work of the exchange was not desired. This is entirely a mistake, as I know the feeling to be nearly unanimous that in the membership that all reputable citizens will be gladly welcomed as members.

"The original promoters of the exchange were, as I am sure, actuated by a desire to establish an institution that would be a great public benefit, and were entirely unselfish in their efforts. There will be much thought and advice required from the officers and members of the various committees, to place the institution on a good working basis, and if our labors meet with the approval of our fellow citizens we shall feel amply rewarded. If, however, we fail short in this, some of us at least will cheerfully retire and make room for others, who can give more time and are better equipped by experience and knowledge of mining for the work in hand.

AMUSEMENTS.

Large Houses at the Grand and Lyceum Last Night.

Tomorrow afternoon the Lyceum company plays for the old folks, widows and orphans, at the Theater. The play selected is Forgiven.

On Thursday and Friday evenings Lincoln J. Carter's play, The Defaulter, is the bill at the Theater.

AT THE GRAND.

Notwithstanding the rain last night there was a large audience at the Grand, where Forget Me Not was given for the first time. Both downstairs and upstairs were well filled.

The story of the play centers around Stephanie de Mohrivart (Fergie Mc Nol), an adventuress who use a hold earnest crowned with remarkable success until she encounters Sir Horace Welby, an English lawyer, through whose efforts she is unmasked and rendered harmless. The chief incidents of the drama are to the contest between these two adroit players. The woman's bold, cunning, unscrupulous and well armed for the fight by keen intelligence and an equal dagger, she is prepared to win at any cost. She is fighting for money and position. The man is evidently not interior in intellectual qualities, but he is honest and sincerely. Against her boundless ambition he is armed with indomitable for the chosen victim of his adversary, he has the disadvantage of a woman's power, and is therefore at times at the mercy of his opponent. In the second act, he seems completely foiled. He leaves the scene defeated, abject. The victory of the woman is, however, brief. On the same scene one, Barnaby, a Cockney, who once was tricked and betrayed by Stephanie. He has already contracted her husband and is seeking her life. It is the only one of the many characters in the play who is moral but. His presence is the strongest in which the drama. Her defeat is as complete as was her previous triumph. The play, though wholly unlikely of the conventional type, is extremely interesting. It has some well drawn character sketches, and the character is at times powerful enough to capture the society the minds of the thoughtful spectator of life.

The role of Stephanie de Mohrivart is in the hands of Miss Maude Cole, who portrays the difficult character with admirable skill and finish. It would be difficult to find one Forget Me Not of last evening. Mr. Emerson, as Sir Horace Welby, is equally interesting. His model is well suited to his particular style of acting. Walter Edwards, as Barnaby, again has an opportunity of showing his genius in make-up and impersonation, and he does so to great advantage. His work in the drama may stay is always much appreciated, and universally so. Miss Warren has a secondary part, that of the victim of Stephanie, who, in her infatuation, looks to Sir Welby for aid. She later and acts her part as a rule well, but might to advantage at times show more of the mental distress which she is supposed to be. Mr. Edson is merely brightness up the play with his genuine humor, and Mr. Holloway, though only a servant in this piece, acts well. Miss Julia Dean and Miss Jerome have only small parts. The latter did excellent work as Lenore Fay.

Forget Me Not is sure to please the patrons of the Grand. It is a fine play and well put. Heavy advance sales for tonight are already reported.

AT THE LYCEUM.

Simon pure melodrama reigned supreme at the Lyceum last night before a good house, considering the state of the weather.

Pastor's theme is a memorable of the conquered type with an impossibly rainbow vision, a month almost born, a fearful heroine, together with the necessary large comedy element to relieve the tension. The play is laid for a cast of eleven characters which were well rendered by the members of the stock company, and is replete with the sort of sensational stuff that drive the gallery desperate. Edmund Hayes in the role of Manuel De Fos showed up at his best as the unfortunate hero, his work in the first act being conspicuous by its absence. The character throughout showed fine analog.

Walter Morton received the compliment of being actually hissed for his able rendition of Sampay, the double-dyed villain, especially in the last act where he fell over the battlement into the bottomless pit.

DeWitt Jennings with a striking make-up as Don Ruiz, showed evidences of earnest study.

Mrs. Jennings and Johnnie Williams was allotted the task of creating misery; it is unnecessary to state that they succeeded, although probably right of their lives. Johnnie Williams must be found in the original manuscript. Walter Hilsene, another absent personage, interpreted by Leon Hampton, did early in the play, also fitted in the leading role of Manuel Hilsene showed versatility and was well received. Her interpretation not night sometimes, yet on an actress with an amount of reserve talent, Clotilde Dion, the deserted Fiesan girl, in the hands of Miss Lyttle, was well received by the public.

Miss Pudney, late of the Grand company, discovered out as the soubrette Pattie-in-spot, who upon entering to the stage with a song and dance, with Williams's little notion of speeches on the spur of the moment she had her own. Alongside Pastor's Miss is a step in advance of the talent the play is good throughout the balance of the week.

The production is somewhat mutred on account of lack of room on the stage, together with the indifferent singing of the thirty-six. In the general melee in the last act too much of the light fantastic was used in the dancing degree, which found the principals to be circumspect in their actions.

Sheldon Jackson College.

The trustees of Sheldon Jackson college are rushing work in great shape of late. They are preparing to construct the much talked of building early in the spring. The following committees were appointed at a meeting held at Commissioner E. R. Grossman's office last night: To select site—Dr. R. G. McNiece, Gilbert Peyton, H. G. McMillan and Walter Murphy.

On Curriculum—Dr. S. E. Widnerr, W. J. Brown and Dr. R. G. McNiece.

RESERVOIR BURSTS.

Flood of Water From Red Butte Canyon Through Fort Douglas.

The general thaw, heavy rains and consequent swelling streams were prime causes to the breaking away of a reservoir in Red Butte canyon to a morning about daylight, which sent a large volume of water thundering down towards and through Fort Douglas, creating fear and alarm in the minds of the post inhabitants.

The reservoir is situated in the mouth of the canyon, and up to the present it has been considered impregnable, but under the extra pressure produced by the causes enumerated about twenty feet of the masonry and dirt work gave way, leaving low pier to the volume of water that was stored above. The old channel held only a portion of the flood, and it was seen overflowing the banks and going directly through the reservation, flooding door yards and lawns and doing the assessment of law officers' and soldiers' quarters.

A large quantity of the flood came down toward the city in the revine traversed by the Salt Lake City street car line, and in the vicinity of the Ute Indian Institution ditches in the southeastern part of the city. The damaged reservoir will be rebuilt without unnecessary delay.

It Wasn't a General's Egg.

An amusing incident is given in the Modern Mail about Calcutta life of a bygone generation. It relates to Lord Wellesley (Duke of Wellington) and is as follows: The great man had been given a hard egg for breakfast, and stalking at it he called to his valet: "Lamoth, a bad egg!" What an astonishing thing to have given me!" The valet hurried up with a serious face, examined the egg closely and then exclaimed: "I entreat your forgiveness, my lord. The stupid servant has given your lordship in mistake an old ex-camp's egg."

First Sugar Blanket.

The first man who ever sang a sugary song on the stage was an actor named Herbert. He sat in a chair before the curtain. He painted his face with black paint, burned cork being then unknown.

OBITUARY.

ANN ROBERTS GRIFFITHS.

Ann Roberts Griffiths, wife of Joseph Griffiths, who departed this life December 26, 1895, was born in Denbighshire, North Wales, on April 26, 1818, and was the daughter of Hard and Mary Roberts. She was married on January 2, 1842, to Joseph Griffiths in Liverpool, England, and started soon after for Nauvoo, where she arrived with her husband after the usual time occupied by emigrants crossing to ships at that day. On landing at Nauvoo her husband died, leaving her to be the head and a sealed her up the bank of the river and blessed her in the name of the Lord, and remained with her the following winter, being complete by the day of her death. She was the mother of fifteen children (two of whom were twins), eight boys and seven girls, six of which four males and two females are living. Her husband died on July 20, 1846. She was the great grandmother of twenty-one great-grandchildren, all of whom are members of the Church.

Sister Griffiths was baptized into the Church of Jesus Christ of Latter-Day Saints in 1840, by Elder Ben Edwards, in Denbighshire, Wales, and was a faithful Latter-Day Saint. Her only one of her family to embrace the gospel. She left Nauvoo at the time of the exodus of the saints and came to Utah in 1852, in Brigham Young's company, in Captain Gardner's company. From Garden Grove she came by handcart, and moved to Walker's quarters and then to Fort West. In 1856 her family started for the Great Salt Lake valley, and arrived in the fall of the year, settling first in Mill Creek, then in North Tooele, and finally settling on Little Cottonwood creek in 1866, and when Union Fort was first built moved into it, remaining in the country as one of the early pioneers.

Grandma Griffiths, as she has been lovingly known, has been for about twenty years a sufferer from rheumatism, from which she has suffered much. Five years ago the aged sister was crippled so that she was confined to her home, and finally, during the last three years, she was unable to walk without a cane. In her home she was cared for by her daughter, Mrs. Ann Griffiths, who was her constant attendant for over a year. I was sent. Mrs. Griffiths recovered to 80 months and I am now able to do my full duty, and is continued to do so.

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being twisted up in knots. I was unable to walk without crutches and assistance, and could not bathe alone in a bathtub. I had no appetite, and was reduced to the shadow, and I could not live. The pains at times, were so acute, that I could not sleep, relief only by doses of morphine, hypodermic injections of morphine. I tried hundreds of remedies, but found no relief, but there were only temporary relief. After trying everything and suffering the most awful agony I determined to try Ayer's Sarsaparilla. I took it for six months. I was able to walk without a cane. In four months my cane became useless. I have kept on improving ever since. I was cured. My strength has increased to 180 pounds and I am now able to do my full share of work in a cotton mill."

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