

THE STOCK MARKET

The following quotations are furnished by the reliable brokerage firm of Kenneth Donnellan & Co.:

Tuesday, August 25.

Tonopah District.	
Tonopah Nevada	\$7.50
Montana	1.45
Tonopah Ex.	.71
MacNamara	.60
Midway	.40
Belmont	1.15
North Star	.08
West End	.64
Rescue	.06
Jim Butler	.28
Goldfield District.	
Sandstorm	.29
Columbia Mt.	.28
Jumbo Ex.	.46
Booth	.48
Atlanta	.29
Great Bend	.35
Florence	3.50
Diamondfield Con.	.17
Daisy	.76
Fraction	1.52 1/2
Kewanas	.43
Goldfield Con.	6.52 1/2
Red Hills	.30
Florence Ex.	.16
Bullfrog District.	
Homestake	.31
Tramp Con.	.16
Other Districts.	
Pitts. Sil. Pk.	1.10

LITIGATION HILL REWARDS LEASERS

Wherever work is being done in any part of the camp gold is being found in paying quantities. Persistent leasers are being rewarded on every hand and the companies working are opening up bodies of ore. The leasers on Litigation Hill are all in ore and each leaser wears a smile of the can't-rub-off type that is pleasant to see.

Milo Plamenaz, who has lease No. 1 on the Union No. 2 claim, is sinking two shafts. Shaft No. 1 is down sixty feet and he has three feet of ore that averages \$40 per ton. Shaft No. 2 is down fifty-five feet and is being sunk on a junction of two veins. One vein is three feet wide and gives an average of \$12 per ton, and the other is two and one-half feet wide and averages \$30 per ton. Ore from both these leases is being piled on the dump preparatory to being milled at the Veith-Plamenaz mill. This mill is now treating ore from the Veith-Plamenaz lease on Union No. 9.

Lease No. 2, owned by Brygger and associates, is sinking a perpendicular shaft to tap the Plamenaz ledge opened up in his No. 1 lease. The shaft is now down thirty feet and they expect to cut the vein within eighteen or twenty feet.

Lease No. 3, owned by McNamara, Stevenson and Train, is the bonanza lease on Litigation Hill. The original work on this lease consisted of trenches and open cuts, opening up the vein on the surface for nearly forty feet. After they had determined the trend of the ore body and the dip of the ledge they began sinking a perpendicular shaft, four by eight feet in the clear, which is now down twenty-two feet. In the bottom of this shaft there is three feet of ore that will average \$70 per ton, and they have five or six inches along the hanging wall that will average close to \$325 per ton. This streak is being sacked and the ore from the three-foot ore body is being piled on the dump. When it is remembered that this ore body was only a few inches wide at the surface and at a depth of twenty-two feet it has widened to three feet, the question as to whether the "ledge goes down" has been practically eliminated.

Beyond the question of the ore the leasers are now taking out on this ground and of great interest to the company is the fact that the ledges now opened up plainly show the management the trend and dip of the several ledges, and when the company begins active operations on its own account it can do more intelligent work.—Manhattan Mail.

BOTH RISKY.

"What shall I read you first?"
 "The marriages."
 "Here's an article about some boys who were found playing with dynamite."
 "Well, read it. It possesses the same elements of interest."—Exchange.

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SILVER METHODS MUCH IMPROVED

"The remarkable advance during the last few years in the treatment of silver ore in Mexico," says W. A. Caldecott in the New York Commercial, "may be largely attributed to the replacement of the old and costly patio process by cyanide treatment preceded by very fine crushing, to railway development and to water power installations, which provide electric power cheaply for remote mines, where the cost of fuel would be prohibitive. Power is now being transmitted up to 170 miles, and supplied at 30s a horsepower a month, or considerably less than the average cost of electric power on the Rand.

"The patio process, invented at Pachuca by Bartolome de Medina in 1557, nearly a century before Van Riebeck landed at the cape, is still in operation at the same mine in that district, but is now mainly of historical interest. The wretched condition of the mules at present employed in working it, in place of the men who used to tread the torta, makes its disappearance less regrettable than if animals had been replaced by the efficient mechanical digging appliances which have been invented for the purpose.

"The process of cyanide leaching preceded by a chloridizing roast is also now a thing of the past, and much of the same applies to hypsulphite lixiviation.

"The pioneer work of Charles Butters is indissolubly associated with the advance in Mexican cyaniding and fine grinding practice, while the El Oro company is famous throughout the mining world for its enterprise in developing metallurgical methods. But apart from these well known mines, the results of the skill and energy of our fellow-workers in charge of various ore reduction plants are obvious in every mining district. While these last are without the great advantages of the cumulative experience and resources of the group organization, this is in some measure offset by the judicious foresight of individual companies in providing means for carrying on extensive experimental work, and also adequate plants for handling the ore under routine working conditions.

"The average Mexican silver ore is usually a hard flinty quartz containing little extraneous base metal mineral. The bulk of the silver exists in the form of sulphide, associated at times with a little arsenic or anti-

mony, while occasionally silver chloride and native silver occur. A small percentage of gold is found with the silver and constitutes a considerable proportion of the bullion value. As a rule the gold is extracted during cyanide treatment a good deal more readily than the silver, so that special attention during treatment is not paid to it. Manganese is occasionally found associated with silver ore, and is reported to exercise a detrimental effect on the extraction.

"The essential features of present-day treatment of silver ore in Mexico consist in very fine crushing with cyanide solution, treating the bulk of the resultant pulp as a slime by decantation, followed by mechanical filtering and zinc-shaving precipitation of the solution. While the foregoing broad statement may be taken as correct, there exists, as is naturally the case with a progressive art, a considerable diversity of opinion among competent operators as to the advisability of many details of practice, and hence the following more detailed description must be considered as universally applicable.

"The fine state of division and uniform distribution of the precious metals in the ore render finer crushing necessary than in common practice on the Rand, but the means adopted for this purpose naturally vary with the existing equipment of mills and with the views of those in charge."

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NOT SO BLIND.

"Miranda, I want to ask you to marry me and to tell me—"
 "Oh, George, this is so sudden!"
 "To tell me what date you and your mother have decided on for our wedding."—Brooklyn Life.

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