

SLOAN JOHNSON ON GOLD.

Says the Wealth of the Country Is in the Quartz.

Tells of Pockets and Formations— Says Hills Must Be Denuded of Debris Before Full Value Appears.

The gold on Bonanza and Eldorado creeks originated principally in the track of the glacier that parallels those streams. The glacier traveled from a northerly direction, following a formation commonly known as porphyritic quartz, which is about 600 feet wide and which lies about 150 feet higher than the present bed of the two creeks mentioned.

The formation over which the glacier traveled is composed principally of igneous rocks, mixed to a certain extent with metamorphic rocks.

The formation of the gold belt is very similar to that of California, and the gold found in the alluvial deposit has at some time been connected with the dikes of dissimilar rock and with the quartz veins and stringers crossing and connecting with each other throughout the gold-bearing formation.

We will mention a few formations crossing the great dike covered by the gravel.

Commencing opposite No. 25 below on Bonanza, on Fox gulch we find small stringers of rhyolite crossing the main formation at right angles.

On 19 gulch we find an intrusive dike, commonly known as pegmatite. This occurs on bench claim opposite the upper half of No. 3, left limit. On the upper half of No. 3, Magnet gulch, we find the pure porphyritic quartz, largely interlaced with quartz stringers.

On benches opposite Nos. 12 below, Bonanza, mica schist intrudes itself into the main dike and forms the bedrock of the benches.

At No. 5 below on Bonanza we encounter the graphite schists crossing the benches at right angles. This is found in great abundance on Chechaca hill.

Passing to Big Skookum, we find a cross section of chloritic schist. This formation traverses Gold hill, and has much to do with the rich deposit of gold found there.

Between No. 13 and No. 14 Eldorado we encounter a diabase dike crossing the formation.

On French hill we have black slate, talcose slate and plumbago schist.

On upper Eldorado, porphyry occurs quite frequently, together with mica schist and plumbago schist.

These formations are intrusive, and at the point of contact with the quartz veins and stringers form what are known as quartz pockets. And when the gravel is removed from the hills and the bed rock exposed the pocket miner will then uncover the richest pockets the world has ever seen.

French hill, Gold hill and Chechaca hill give evidence of wonderful rich pockets in the quartz. The glaciers wore the formation down and turned the pockets inside out and deposited the gold on bed rock. The pick and drill will delve into the quartz stringers and find pockets of fabulous richness when the pocket miner can see the formation and find the stringer on which to sink.

A peculiar feature of the coarse gold streak in the high benches is that native quicksilver is found on Fox hill to Gold hill. Also we find along the line of the glacier drift, especially about the 60s below on Bonanza, many specimens of cassiterite or stream tin. This follows with the heavy gold. This is very rich in tin, assaying 67 per cent. tin.

We think, judging from the peculiar geological structure of the country, that the great wealth of Bonanza and Eldorado districts lies under the alluvial deposits of the high benches, and when transportation companies will sell pow-

der and steel at reasonable profit, and the government be more liberal in its policy, then the resources of this country will be developed.

We do not look for milling quartz, but the wealth of the country lies in the bull quartz or pocket quartz, where it makes a crossing with other veins or dikes; and instead of heavy machinery being necessary the miner, with a hand mortar, can separate the gold as we do in California.

J. SLOAN JOHNSON.

WRONG IS TRIUMPHANT.

Continued from Page 1.

under obligation to the colonel and he appears to have carefully avoided the compromising difficulty of meeting us socially. Had he erred in his administration or strayed from the narrow path of rectitude, there was nothing would have prevented a Nugget expose of the fact. In four or five days he will leave this community, possible forever. It will therefore be seen by our readers that it is not with an eye either past or future favors that we join with them in protesting against the colonel's removal and expressing our and their sense of loss and of genuine appreciation of the commander's most estimable qualities. He is one man in ten thousand. Conservative and Liberal press alike will deprecate with us this last emanation of the office of the Minister of the Interior, and we warn the colonel that he must be prepared for a storm of praise for which his well known modesty ill fits him. One of the strangest things about his incumbency has been the absence of all adverse criticism from even the most radical opponent of the men to whom he owes his appointment. Of a stern, unyielding devotion to duty, his many acts have been so open and transparently free from anything which might be construed as "shady" that one by one the skeptical ones have vociferously filed into line as supporters and have left none of the opposition but a handful of vags and crooks, who have felt the iron heel of authority.

Knowing how our readers will feel about this important change, we have secured a few items in the career of this popular gentleman. His military brusqueness and precision is largely hereditary as his father was all through the Napoleonic wars—of course upon the British side of the question. An uncle was a major under the gallant General Wolf and entered Quebec with the victorious Britishers. The father of the present commander of the N. W. M. P. was a lieutenant aboard the Leopard which, it will be remembered, precipitated the war of 1812, by, in 1807, firing into the famous Chesapeake when enforcing the British claims to the right of search of American vessels for runaway sailors. It may be added in parenthesis that notwithstanding this record of his paternal ancestors, there is probably not a British officer in the land with more friends across the American boundary than this same Colonel Steele.

Colonel S. B. Steele's own life has been purely a military one. At the age of 17 he as already a soldier and in Eastern Canada organized a company of militia to repel the famous Fenian invasion of years ago. At 18 another company was raised by the young man and he was complimented by the company with an election to the position of captain.

The Riel rebellion of 1877 saw the youthful soldier to the front with Wolsely, since elevated to the highest rounds of the ladder of fame as commander of the British armies. For his able services in the Riel campaign Mr. Steele has been awarded a medal.

His military career and training commenced with the second battalion of the Seventeenth Leicestershire Infantry, then stationed in lower Canada. He afterwards received a thorough knowledge in artillery work under the dis-

tinguished Major General French who was one of the twenty-five who are each century raised to the proud position of commandant, stationed at Shoeburyness and to whom the British nation looks for the perfection of the artillery of all its armies. Upon graduating from under Major General French, S. B. Steele received from his instructor the highest commendations and a standing which qualified him at once as instructor of artillery practice wherever he might be needed. The colonel has since been frequently employed in this capacity.

In 1873 the Northwest Mounted Police was organized by the now Superintendent Griesbach and Colonel Steele each raising a half of company "A." S. B. Steele took the rank of sergeant-major and by faithful and conscientious service has raised himself to the highest rank in that body, a rank he still retains, even in the new sphere of action provided for him.

To sum up the foregoing, the colonel has been raised by superior personal merit and removed by political chicanery. Too honest to compromise a record of a lifetime of conscious devotion to duty, the exigencies of Liberal politics required his room rather than his company. He is in the way to covert fraud and when he has gone it stands

us all in hand to be prepared to withstand the avalanche of oppression [and extortion which comes in the guise of secret concession and which could not tolerate his presence.

In conclusion it may be added that better for the colonel a thousand times is his reputation and removal, than the continuance in office and unenviable names of many he leaves behind in political security. He carries away with him the good wishes of the inhabitants of the territory and a clean, wholesome record, which has avoided even the appearance of evil. The year's accounts of the N. W. M. P., covering some hundreds of thousands of dollars, have been audited by the government auditor and found to be in such commendable order that a day and a half only was required to go over them all. Not a complaint has been made against him [and the Sunday-like peace and quiet of Dawson, together with the security of life and property in the Yukon, is a monument to the efficiency of his direction of police affairs. Understood rightly, it is an undoubted compliment to the integrity of the man that Mr. Sifton cannot tolerate him here longer in his present influential position.

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