HAS THERE BEEN A FAULT MOVEMENT IN RED BOY?

Red Boy mine? Prof. Waldemar Lindgren, of the United States geological survey, says there is. Tom Moffat says there is not, and is backed up by other competent mining been crossed at the point where the

the United States geological survey, of that lode. which is a bureau of the department of the interior, Prof. Lindgren says:

"The two veins (Red Boy and Monarch) converges slightly and nearly meet at a main porphyry dike. Red Boy, where a ten foot porphyry dipping 60 degrees south, along dike outs across that ledge, faultby a smooth fault. The veins have being ten feet to the east. Still not yet been found beyond the dike, snother dike cuts across the Red though from surface indications it is Boy, producing a sharp twist in a probable that the northern block has similar direction. moved, relatively, 400 feet to the east."

line of demarcation between the two often happens, considerable distance, even after they movement has occurred along the the vein has been drifted on through the veins now appear dislocated by the Blacksmith tunnel level to the them, while as a matter of fact there dike, pay appearing the entire distance.

Mr. Moffat says that when the dyke cut the conjoined Red Boy-Monarch in porphyry dikes. Several of them veip, work was suspended for some are seen in the Blacksmith crosscut, time, it being a belief of the manage- one being 60 feet wide. The main ment then that a fault movement | shaft, stared by the old Godfrey and hardly worth while to determine the with a \$100,000 hoisting plant, was matter by further work in that sunk on a wide dike, which fact redirection, as the end line of the Red suited in the encountering of a tre-Boy group lies only a short distance south of the dike.

that the movement could not be juncture of those to veine on idea be directed exploitation work is said that no pay appeared, crossing to the southern, or foot wall, Blacksmith level has been stoped to of the dike, he caused the north wall the surface, yielding handsomely. to be followed to the east, with oc- It will perhaps never be known casional excursions into the heart | whether there is a fault movement of the dike in search of broken vein slong the big south dike, unless boldly struck across the dike at a to satisfy himself, drives straight point 100 feet east of the lost vein, scross it at the point where Mr. passed through the fault plane and Jeussen turned and drove south along entered the country rock beyond. the hanging wall at the dike. No After driving a short distance through other purpose could be subserved by black argillite, he picked up what is such exploitation, except the satisknown as the Congo vein beyond, or faction of curiosity, as, above stated, to the south of the dike. He drifted the boundaries of Red Boy ground lie back on this vein to the dike, passed only a short distance south of the through the porphyry, and found dike. himself still in ore. No fault movement had occurred in the Congo Congo vein, which was picked vein, although it is a matter of in by Mr. Juessen south of the dike, terest to note that the Congo drift in and drifted upon north to a repassing through the dike, encounter- crossing of the dike, is in really ed no crushed vein matter. This an independent and continuous vein, work, it should be remembered, was baving no relation to the faulted done subsequent to Prof. Lindgren's Red Boy Monarch confluent vein. examination in 1900, so that in the Arguing from this bypothesis, and compilation of his report he lacked premising his conclusion upon the the later-acquired Congo data in fact that no fault movement occured

Is there a fault movement in the still in the dark as to whether the socalled Congo vein, south of the dike, was in reality the Congo vein, or the faulted eastern projection of the original Red Boy-Monarch.

Oddly enough the dike has never Red Boy-Monarch was faulted, In Lindgren's report in 1900 to which, of course, would have readily Hon. Charles D. Walcott, director of determined the southern projection

It is a matter of definite knowledge that a fault movement has occurred along the Monarch vein, 600 feet north of its junction with the which they have been sharply out off ing it through all levels, the throw

The fact that the 10-foot dike which faults the Monarch, does not Tom Moffat says that the Red Boy | correspond with the dike which twists nd Monarch veins come together at the Red Boy, gave Prof. Lindgren a point about midway between the basis for a belief that the veins are crosscut tunnel and the south dike. | really later than the dike; that the The juncture is complete, although a firsures in crossing them were, as veins is plainly discernable for a stringers; and that a subsequent fault, but a mere twist. have common walls. This portion of | walls of many of the dikes, so that is equal reason to believe that the exact reverse is true.

The entire Red Boy group abounds occurred. It was considered Tabor management, being equipped mendous flow of water, which is popularly supposed to have caused an However, when Edmund Juessen was abandonment of that working. A consulting engineer for the Red Boy crosscut from the first station in this mine, he evolved a theory that while shaft was run to an intersection with a fault movement to the east had ap- the Red Boy-Monarch vein, which parently occurred, Lindgren's pro- it tapped at a point a trifle south jection of 400 feet was in error, and of, and 192 feet deeper than, the greater than 100 feet. With this drift from the Balckemith level. It along the dike. However, instead of although the double vein above the

matter. Failing to find which, he some curious superintendent, merely

Tom Moffat contends that the

BILLY REEVES CHOSEN SUPER AT THE RED BOY

of eight men will start work on the de- to \$100,000. velopment plans outlined in Mondays' It is not known whether the big air was effected. Manager Thomsen, machine drills used in the crosscut. | ancial rennaisance of the defunct The work will require the remainder merger corporation, will submit his of the winter to complete, and it is report of Mr. Prussing and will unstarted until ore reserves are opened out his plans for development upon a by the crosscut. The management has large scale.

W. H. (Billy) Reeves has been | made no announcement as to its chosen superintendent at the Red plans for sinking the big shaft, which Boy mine, under a Acting Manager is equipped with the finest hoisting John Thomsen. Tumorrow a force plent in the northwest, costing close

Superintendent Reeves When Miner. In brief, these plans involve reaches the mine tomorrow, Acting the driving of 600 feet of crosscut General Manager Thomsen will detunnel, from the Blaine ledge to the part immediately for Chiacgo, to Concerd vein, on Hilltop territory, confer with Alexander Prussing, the A vertical depth of 750 feet will be gentleman through whose instruattained on an ore shoot which is mentality a satisfactory reorganizashown by a 36-foot surface cropping. Ition of the old Red Boy company compressor plant will be stared and who acted as receiver during the finnot probable that the mill will be doubtedly be given free hand to carry

ther to the fact that the 10-foot fault movement of the Monarch vein, 600 feet north, precludes the possibility of a very much larger movement elsewhere, and cites as corroboration of this theory the fact that the faulting of the Red Boy split up into vein by a similar dike, was not a

> The only way to determine this matter is to do like Billy Reynolds, at the Flagstaff. who, while having no interest in the property, having been discharged as superintendent by the its Parisian owners, still believed that he was right when he said that a crossout from the main Flagstaff vein, to the north would enter a ledge of pay ore, and who, when the mine shut down, put up his own money to drive the crossout—and proved himself correct.

PRAIRIE DIGGINGS TO RESUME NEXT SPRING

Joe Waddell, general manager of the Prairie Diggings mine, near Prairie City, in Grant county, came up from Baker City this morning, on business connected with the Sumpter smelter. He returned to the county seat this afternoon. Manager Waddell returned last week from a conference with the head officers of the Hoosier Boy Gold Mining company, operating the Prairie Diggings, whose beadquarters are in Ann Arbor, Mich. The visit lasted four weeks and resulted in the perfection of plans for a resumption of mining and milling operations at the Prairie Diggings just as soon as the spring thaw will permit. An accumulation of concentrates at the Prairie Diggings was recently shipped to the Sumpter smelter, giving flattering returns. notwithstanding the long wagon-haul | treatment. and consequent high cost of transportation. Joseph Waddell was formerly general manager and active superintendent of the Cyclone mine, east of Baker, and enjoys the reputation of being one of the best practical mine managers in the camp.

Gold in the Treasury.

Dunn's Review states that in the his connection with the mine, he was Red Boy Monarch. He points fur- 000 in gold coin or bullion, far probably tomorrow evening.

eclipsing all high records of this or any other national treasury. This heavy accumulation is the more remarkable when it is remembered that the Panama Canal company was paid \$40,000,000 last spring, which contributed largely to the exports of \$83 039,908 in the first nine months of this year. As an offset there were imports of \$68,694,670 gold during the some period, leaving a net loss of only \$14.45,228, or only \$5,000,-000 less that the net exports of silver. The whole trend of recent international transfers of gold. silver and merchandise judicates that the United States is gradually passing from a debtor to a creditor nation, our investments abroad constantly increasing. One particularly striking evidence of this condition is found in the new Mexican loan of \$40,000,000 that was taken by a New York syndicate.

Suicide Hailed From Oregon.

A press dispatch from Sap Francisco tells of the finding of the dead body of Eugene B. Burdick, a mining man from Baker City, in a room at the Grand Hotel Monday. Empty strychnine bottles by the body pointed to suicide, although no motive has been adducted. Baker City papers say that Burdick was not known there. Sumpterites recall no operator by that name in this camp.

Ore is Now Refractory.

A. W. Ellis is in town from the Gilkey & Kershaw mine, in the Greenborns, to remain a couple of days. He says the stamp mill on the property is not running, as the ore has changed from free miling to refractory. Mr. Ellis, who is in charge of operations, brought a test shipment to the smelter sampling works to determine the proper mode of

Case of Wade vs. Brock.

Dr. Brock and W. W. Wade returned this mornnig from Baker City. Mayor McColloch, representing Wade, the palintiff, argued his side of the case, involving an interest in the Golden Charlot mine, last evening before Judge Eakin in chambers. Attorney Johns will preparing his fault movement by- in the Cougo lode, he maintains vaults of the United States treasury argue the case for Dr. Brock as soon pothesis. When Mr. Juessen severed that the same must be true of the alone there are over \$722,000, as the judge has time to hear him,