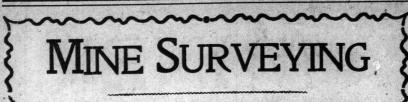
## ROSSLAND WEEKLY MINER, THURSDAY, MARCH 30 1899



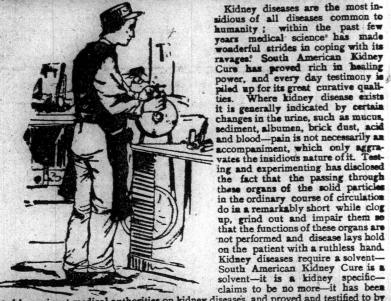
rest small information assist often very materially in locating or finding out information which may show at a glance some feature which might have disturbed the vein or some information which may give an inkling as to where to locate an extension of some ore body or some such like features. like features. Maps .- The result of the survey is of course the map or plan which is compiled therefrom, and this is the portion of the survey which the superintendent or man-ager requires and w...out which the sur-It seems natural to human nature that every person, not a surveyor, wishes to look through his insturment, and in nine cases out of ten, will grab hold of the telescope when the surveyor's back is turned and with no intent to do any harm will try and direct the telescope on some object while the plates are charged, and you know the result. No harm is in tended, but the result is the same. Get an instrument of which the tripod has telescope legs and a shifting crosshead, for many places will be met with wore it is very difficult to set up at all, while other places in order to get sights through it is very difficult to set up at all, while level with a unittend other backs of the source of the sights through paper large enough for nuture workings, other places in otopes or shafts it be-small openings in stopes or shafts it be- and plot on this each month's work as comes necessary to set up the instrument surveyed. Show the position of all plugs comes necessary to very low down, which with their numbers, and in fact as much information as is possible to get on with-out cramping. This is the working plan. Then I would suggest making a separate tracing of each level putting a square bor-der around so that when the tracings are placed the one over the other with the borders directly above each other, the levels will show through the tracing lines in their proper positions. You can thus see through two or three sheets and see the levels in their proper positions underwork is concerned, which as I have said before, is the principle success to be ob-tained in underground surveying. I find for the purpose of reading horizontal an-gles or liming down a shaft where the pitch is over 60 per cent that it saves lab-or and figuring if the auxilliary telescope is used on top, while in measuring angles of stopes, be they angles of elevation or depression, the best results are obtained by using the auxilliary telescope attached by using the auxilliary to make calcula-tion of both telescopes. Another instru-ment which I use and which is of im-mense use and value in the mine and on the surface, not only to the sirveyor, but to the superintendent, is Brunton's Poc-ket Transit," one of which I have brought with me. The the superintendent is a serier's Excelmense use and value in the mine and on the surface, not only to the surveyor, but to the superintendent, is Brunton's Poc-ket Transit," one of which I have brought with me. Tapes.—I find Keuffel & Essers' Excel-sior steel tape, 100 feet long, divided into tenths and hundredths, most satisfactory. This, with a ribbon tape, 300 or 400 feet long, divided every five feet, and a small spring tape, say six feet long, divided into tenths and hundredths, to be all that is necessary. I believe in measuring all dis-

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## KIDNEY-SICK PEOPLE!



ested by eminent medical authorities on kidney diseases, and proved and testified to by ses of the kidneys and bladder. It's a ious alike to man or woman. began to realize for himself that his ease was hopeless he took his ease in his own hands, de-termined to fight for his life. He experimented with many so-called eures without relief. South American Kidney Cure was brought to his notice, and like everything else, he tried it—to his ationishment he began to feel better under its bettles—and to-day that same young man can be found at that same lathe, working for that same concern, hale and hearty as the first day he went there. He gives all the credit to South American Kidney Cure.

SOUTH AMERICAN NERVINE-Is a nerve healer. Cures indigestion and all stomach troubles

which are forerunners of nervous collapses. SOUTH AMERICAN RHEUMATIC CURE—Has lifted men off a bed of pain after a few days use, who have not been free from suffering for years. DR. AGNEW'S OINTHENT sures blind, bleeding, itching or ulcerating piles in from three to five nights. 35 cts.



"HELLO," EVERYWHERE superintendent Kent Promises a First true. "Yours

Noronto. March 18. [Nothing is being done with the Mug-wump property at present. The control of the capital stock of the Mugwump Gold Mining company was purchased some time since by the men who control the War Eagle. The object said to have been sought by the purchase was to prevent disputes that might have arisen as to lat-eral rights. The Mugwump is not likely to be operated for some time.]

W. H. Kent, general superintersient of the Vernon & Nelson 'leicephone com-pany, and of the New Westminster & Burrard Inlet Telephone company, limited, is in the city. Mr. Kent states that the ser-the city. Mr. Kent states that the ser-vice is to be improved at once, and that every facility is to be afforded for immedi-ate connection with all points. The com-pany now has ample funds to conduct all its operations, and while the outside towns are now connected with but a single wine there will be a double comper wire

forgery was at once apparent, and the authorities were notified, but the bird and field. He had claws and had dug his way

The Loss Was \$5.000.

A Contract Let 300,000 IT ENDS IN

> It Is to Be Suppli and Centre Sta to the Trail S umph Shut Dor

THE MININ

The feature of th contract made bet Consolidated Mining Consolidated Mining pany and the Cana This calls for Trail smelfer, and ment of 300,000 to next two years. In cluded the Centre ence shipping as mence shipping gauge road from not before. Sma not before. Small ready been made and these will be i today or tomorrow. Now that this co the time when Ros thousand tons of year may well be so hand. The price for wi transported and tr the presumption is

the presumption is borhood of \$6 per t bered that George ent interview, s Star would begin most immediately, melter would give ment rate of \$6 per tract has been virtu immediately tion is that the ra Gooderham has be Goodernam has been many thousands of in both the War E that can be now mi profit which could n rates that have hith The shutting down umph by a cable o the Victory and T armont syndicate li •pment syndicate, li • be deplored. The ter condition than with a little more de mine. The reason explained in a lette later. The condition never better, and ers of control learn ably be resumed. The shipments for 2,637 tons, an incre week of about 11 pe

The Ore

The ore shipments rowing, and the con growing, and the com large augmentation in smellers. The War Er at the end of the week largely on Monday. week ending March as

Le Roi..... War Eagle. Iron Mask..

War Eagle and Ce gest ore contract evel land camp has been management says Eagle Consolidate

Total.....

velopment company Smelting works at T tract has not yet been sers of the War Eag absent in Europe, it fect and shipments ar basis of the agreem has been signed by T the smelting works, a years, during which 300,000 tons of ore is will amount to a lion dollars (\$10,0 the management say will amount to n tons, which sixteen over 000,000). It should that the cost of dev War Eagle is about It should mining about \$3.25, o has been the cost in the largely increased be reduced to some hipping and sm derstood, will be be reduced to some shipping and sm derstood, will be ing a total cost o present price of cop about \$25 gross per t fit of \$14 a ton. For 200,000 tons, this profit of over lars (\$4,000,000) if the larger a ars (\$4,000,00) if the larger a a profit of seven m 000). The War Eagl ent proprietors \$700 Star, which is also tract, cost \$2,000,00 tract, cost \$2,000,00 present company ob War Eagle it has pe 000, this leaves a ne million and three-next two years and then have been little All the ore that ca present narrowgauge will be shipped and is finished the ship be doubled. There gauge track being i Star if the road of than the War Eagle but the probabilitie than the War Eagle but the probabilitie not be commenced till the broad gaug present there are a ed on the two prop-of the summer the doubled. One side sor at the War Eag today and tomorro will commence. In will commence. In ber of changes hav working force of t working force of t Joyce, the foreman has resigned, and old foreman of the placed in charge of captain. Mr. Dooley War Eagle, has bee man, and Mr. Low the old Crown Poin man of the War Ea the champion drille day foreman, and day foreman, and man at the Deer P the Centre Star. T be appointed soon. sistant manager of t signed to take the gineer of one of th at Ironwood, Mich. pointment has been ancy caused by thi Victory-Triumph.-of the Victory-Trium pany, on Friday re London from Secret tory & Triumph D limited, directing th on the properties of on the properties of Gold Mining compa on Sophie mountai that a letter would reason which impel a cessation of work yesterday and state know the reason for be completely in the planatory letter ar Mr. Paul deeply re-should cease at the ld cease at

Instruments.—1 will not elaborate on this point as it may not be interesting to all, but would suggest to the surveyor in getting a new instrument, the following: Get one of the very best made, as light as possible consistent with good work-manship, keeping in perfect adjustment, handle it like a baby and let no one else tauch it

It seems natural to human nature that other places in order to get sights through small openings in stopes or shafts it be-comes necessary to set up the instrument either very high or very low down, which is impossible to do unless one can length-en or shorten the legs of his tripod well. Get an auxiliary telescope with counter-balance to fit either on top or at the side of the regular telescope at will. The auxof the regular telescope at will. The auxscope is absolutely necessary in fts where the incline is over 60 illiary incline shafts per cent. That is—is absolutely —in so far as doing rapid and olutely necessary id and accurate work is concerned, which as I have said work is concerned, which is the before, is the principle success to be ob-tained in underground surveying. I find for the purpose of reading horizontal an-

where only one compartment is clear from ladder ways, air pipes, etc., it is absolute-ly necessary for a time to give the survey-

ly necessary for a time to give the survey-for entire use of the one compartment. The ordinary way to proceed is to obtain two wires—No. 22 copper is very good, build a stout staging over the compart-ment, hang a good heavy weight—six or eight pounds on the end of each wire and suspend them down the shaft from the staging. After having let them down line them up approximately with the lines or the stations below so that when ready the surveyor can set up his instrument in the

surveyor can set up his instrument in the station in line or rather in the place of g surveyor can set up his instrument in the d station in line or rather in the place of the two wires. Then place the wires as far apart as possible so that you will get your base line the maximum length, but care f must be taken to prevent them touching the sides of the shaft. Get two puils of water, oil or some fluid, set them in the lowest bend in the shaft so that the weights or ends of the wires will hang on the wibrations. After the wires are sus-pended and the weights hanging easily on the pails it is necessary to go down the shaft, down the other compartment, if possible, and examine the wires all the way down to see if they are nanging free if y and elearly, which the first time they will very rarely be found to do. After they have been examined and found or the made to hang clear, the next thing is to stop the vibrations as much as possible.

made to hang clear, the next thing is to stop the vibrations as much as possible. There is generally a good deal of water falling down which is bound to keep the wires moving. Get two boards as wide as the top of the pail and bore an augur hole in each and nut on top of the pail, with

the top of the pail and bore an augur hole in each and put on top of the pail with the wires through the holes. This will prevent the large drops from splashing the water in the pails and keep the weights steadier. It is often necessary to put in a platform further up the shaft to turn off more water, and many expedients will have to be found in order to stop the wires from vibrating. As it is generally tim on more where, and in order to stop the will have to be found in order to stop the wires from vibrating. As it is generally necessary to stop the pumps during the survey, as the exhaust of steam makes the air, or rather the glasses of the telescope, too moist to see through with the instru-ment, or if the pumps run by air the ex-haust makes too great a draft to allow the wires to hang steadily, the surveyor-in the bottom level is liable before he is fin-ished to find himself standing up to his middle, if not up to his neck, in water, but this is a matter of little moment to a surveyor. Consequently in surveying a shaft from which a great many levels are driven it is the best thing to start at the bottom level first.

Bryan & Sewall ledge, from the 150-foot shaft, is now in 90 feet, and they expect to cut the ledge within the next 25 or 30

On the Insurgent a shaft is being started near the east side line of the Lone Pine. This shaft is going down on the second cross vin that pass s through the Lone Pine and then across the Insurgent. The vein is well defined across the Lone Pine and shows high values. Assays taken from the Insurgent today ran \$49 90 and \$55.81. Work

is steadily progressing. The railroad engineers are taking grades and elevations at the lower end of the Republic townsite, near Stack's store. About three quarters of a mil-below is the ranch of the Indian chief, Tenascot, who does not understand the white n& 's ways, and objects to the s irveyors going through his ranch; bit when the sheriff explains matters to him no difficulty or trouble is anticipated. Superintendent Dinkley of the Mary Ann returned today from Spokane with instructions from the company to in crease the form of men, and hereafter three shifts will be employed in sinking

the shaft. In the Good Luck Consolidated, at a depth of 50 feet, there is five feet of ore that assays \$36. A shaft is being sunk, and the above assay is from the bottom. C. C. Woodhouse, Jr., and O. O. Barness, secretary of the company, are in town.

C. D. and Peter Porter, the Spokane mining men, are in camp.

A GREAT SALMON RUN.

Preparations g Maie For a Larger

Preparations **W** is made For a Larger **P**:os in n Usual. Victoria, March 25.—The steamer Wil-lipa from northern British Columbia ports, arrived today and brings news that indications point to a great run of salmon this year, and that preparations are being made for larger packs than usual. There has lately been an extraordinary run of the little fish called oolachans, and Robt. Cunningham's cannery steamer, the the little fish called oolachans, and Robt. Cunningham's cannery steamer, the Chieftain, went up the Naas from Port Essington and took as much as 25 tons of the little fishes in a single night. All the northern canners who took advantage of the runs made prodigious catches.

bottom level first. Then comes the most aggravating part of Grand Forks, is in the city on a visit.

blige yours, etc., C. C. D. Kaslo, B. C., March 20. [The assets of the International Gold ind Copper Mining company were sold by the sheriff some time since for debts.]

"WAYS THAT ARE DARK." Heathen Ohines Forges a White ▲ Heathen Ohines Forges a White Merchant's Name. On Friday last a Chinese washee washee man walked into the Montreal house and presented Amie Morin, the proprietor, with a check signed R. Greigor and asked to have it cashed. The check was for \$50 and as Mr. Morin had known the conset for some time he had no hesitation in cashing it, well knowing that Mr. Greigor's check, if genuine, was perfectly good. He was the more unsuspicious as he did not know that the Chinese had attended Sunday school and been taught there to

now in use will be replaced with more modern ones as fast as possible, and that

modern ones as fast as possible, and that the new company is prepared to afford such facilities as will satisfy the public. He, moreover, said that the prosperity of the country meant the prosperity of the company, and that the directors of the British. Columbia telephones recognized the necessities of a new country, and were prepared to back him up in making such a service as would be acceptible to all the people of the Kootenays and of the whole province. Sunday school and been taught there to both speak and write in English. When the check was presented at the bank, the neu. He had claws and had dug his way out of town. It is supposed he was bound for Trail, but the officer could not find him there. He was not an eagle, but a blackbird.

Province. Hereafter, he said, there would be no excuse for kicks. Of course it may take a week or two, or perhaps a little longer, to get the lines and instruments in better shape, but the work was progressig so rap-idly that it was only a question of a very short time before every department of the work would be in first class shape.



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