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Architects, Civil and Mining Engineers Builders Surveyors and Contractors. STEPHEN AVENUE, CALGARY. Special attention to Churches, Schools, Public Build-ings, Railway, Hydraulic, Gas, and Sanitary Works Generally. TARRETT & CUSHING,

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DEILLY'S PORTABLE HOUSES, Stylish and Comfortable.

Highly Suitable for Immigrant Settlers, JAS. REILLY,

THE MONTANA ARTISTS. Having employed the services of Mr. Smith, a known artist, and my establishment being fitted the latest improvements an assure entire setisfac Also Hot and Gold WaterBaths.

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FEED STABLE Fort Calgary, - Alberta GRAIN AND HAY CONSTANTLY ON HAND

WANTED. Immediately at the Bow River Mills—r good sawyer to run Lath and Shingle, Mill—must be a good filer. Also one good Lime Burner. Apply at office, Stephen avenue, between 2 and 6 p.m.

And Acriated Water Mani'rs

Bakery and Manufactory on Elbow bank. ne: Baker & Co's Store

Branch shop and Lunch Counter, Atlantic Ave., opp Freight Shed Our bread speaks for itself and our stock of fruits and confectionery are not excelled in the market.

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two year's experience and very good references. Silver or Holt City not objected to. Apply by lette

MOITCE!

A Sitting of the Second Judicial District Court, Cal-gary Division will be held on the 15th day of June, A.D. 1884. Court will open at 21 o clock a.m. on that T. DOWLING,

Clerk of the Court. Calgary, May 13, 1884.

Notice is hereby given that the late firm of withtenson & Lindson, hotel-keepers at Calgary, have made an assignment of all the partnership estate and effects, and also of their individual estate and effects, in trust for all their creditors, either individually or as members of said firm, and all persons having claims against the said paranership, or either of the said individual members of the said firm, are requested to send intheir names, residences, and particulars of their claims, with vouchers attached, to the undersigned at Calgary, Solicitor for the said Trustee, on or before the Fifth Day of June, A.D. 1884.

And notice is hereby given that after the said date, the said Trustee will proceed to distribute the assets of said firm, and the individual assets of the members of said firm, among the parties entitled thereto, having regard only to the claims of which notice shall have been given, and that he will not be liable for the assets, or any part thereof, so distributed, to any person or persons of whose debts or claims be shall not have notice

H. BLEECKER,

SEASON 1884

APLEDID GREV HORSE "YOUNG

"PERCHERON NORMAN,"

However, fluely the salt may be ground up as that for our tablef, still the grains were crystal ine in their origin and are cryataltine in structure. This subject may befurther illustrated by many other substances. A hot solution of sugar set away to cool will form crystals upon the bottom or upon any thread or stick in the vessel; and these crystals will continue increasing till a large part of the sugar has become crystals. It is a common and instructive experiment to place the framework of a basket or some other object in a solution of sugar or alum, after a while it becomes a basket of finished gems, the crystals glistening with their many polished facets. Again, if a quantity of sulphur be melted it will orystal-ize on cooling. To obtain distinct crystals, the surface crust should be broken as soon as formed, and the liquid part within be poured out; the cavity when cold will be found to be stud-During the cold of winter, the vapors constituting clouds often become changed to stituting clouds often become changed to that the Nor'-wester delights to interview. stituting clouds often become changed to snow; this is a similar process of crystalli tation, for every flake of snow is a congerie of crystals and often they present the form of regular six sided stars. So also our streams become covered with ice; and this is another form of crystalization of water.



WATCHMAKER

........... C.W.DAVIDSON, of the firm of M. Intyre & Davidson, jewellers of Portage la Prairie and Minnedosa, has opened out opposite Post. Office. Calgary, with complete stock of watches, clocks and jewellery, Repairing of English, American and all kinds of Watches.

-SATISFACTION GUARANTEED.

PORTAGE LA PRAIRIE, MINNEDOL

GLEN'S FARM.

ONTINUED FROM LAST ISSUE. He is a sufferer to a considerable extent vigorously as the country begins to settle up. Mr. Geddes has the fullest confidence in this district. He thinks the lease system should be modified to a considerable extent, should be modified to a considerable extent, and that the country is not suitable for ran ching on a very large scale. He thinks that there is no part of the country better adapted for mixed farming than is the district right here. From what we could see we came to the conclusion that Mr. Goddes was speaking as a success and when a man him-

when they begin, and they increase regularly by addition to their sides, till finally they
become so heavy that they sink. In other
cases, if the brine is boiled away too rapidly,
a mass of salt may be formed at the bottom
of the vessel, in which no regular crystals
cubes can be seen. Yet it is obvious that
the same power of crystallization was at the same power of crystallization was at work and failed of yielding symmetrical soluds because of the rapidity of the evaporation. Crystals of salt have been found in the beds of this mineral a foot or more in breadth, which had been formed by natural young man there that it was indeed a wet

The distance from Calgary to Mr. Glen's about eight miles. His location is on Fish Creek and it is needless to say that an about it. To say that the valley of the Fish is picturesque conveys only a common place idea after all; The benches which dank the valley in gentle succession and cavity when cold will be found to be studded with delicate needles. The crust in this
case is as truly crystalized as the needlee
although but faint traces of a crystal ine although but faint traces of a crystal ine texture are apparent on breaking it. This was owing to too rapid cooling. Melced lead and bismuth will crystaleze in the same manner. There is a substance, iodine, which when heated passes into the state of a vapor; on coling again the glass vessel containing the vapor is covered with com. a vapor; on ooling again the glass vessel containing the vapor is covered with com plex crystals as brilliant as polished steel. Almost the first question that we put to

'How about summer frosts?'
Said he, pointing to two cards hanging on They were taken down and found to be a careful thermometrical record of he temperature beginning with July 1883 and ending to which crystallizes, are thus one and the same. Crystallography therifore is not only a science treating of certain regular solids date. On the 27th July 1883, the thermoin mineralogy; it is the science of solidifica- meter indicated 320 or the freezing point. On the 22nd of August in the night, the Modes of crystallization, In the above temprature went down to 28 giving 40 of examples we have presented three different modes of crystall zation. In one case, the the substance is in solution in water or some sum total of the summer frosts. The durasolvent!] the particles are thus free to unit e and as the solvent passes off by evaporation, they unite? and form the crystallizing solid. In a second case the substance is fused by heat; here again the particles are free to move as the heat remains and when it passes off solidification commences under the power of crystalization. In a third case the substance is reduced to a vapor by heat, and from this sta e—also one of freedon of motion among the particles it crystallizes as the heated condition is removed. In the hardening of steel, it is well known that the coarseness of below zero. There is no continuous cold the grain varies with the temprature used and the manner in which the process is conducted. An increased coarseness of struct ure implies that certain of the crystalline grains were enlarged at the expense of other. It teaches us that in some cases the powers It teaches us that in some cases the powers of crystallization may act at certain temperatures even without fusion or solution. The long continued vibration of iron, especially when under pressure-produces a similar change from a fine to a pourse texture; and this fact has been the cause of accidents in machinery, by rendering the iron brittle; it has led to the fracture of the axle of rail cars and of grind stones, and even the iron rails of a road may, then because if he wants to keep his crop intact.

fence if he wants to keep his crop intact. The peas were up two juche looking as vigorous as young pine shoots. The cab-bage plants were beginning to look over-grown for transplanting and the tomatses were an inch high. The seed had been scattered in the ground and they had sprung into life as they were. Radishes were at ready springing up promising great results for the next fortnight and the onions had commenced to come up here and there as if they too were not afraid of putting in too early an appearance and the soil was equal to anything that I have seen in the Red or Assiniboine valley. True it did not possess that rank greasy substance tound in the thick soil of the Red River valley, but there was just sand enough in it to retain the heat which was furnished the soil during the day. Nothing could be more promising the day.

Glen's garden. Away on the bench to the south was the farm. He has about forty acres, and the wheat and the barleylooking most promising.

Dear Sir-I hereby challenge "Little Plume" to a race from one to four mi'es for from one hundred to five hundred dollarsrace to take place anywhere between Winn-peg and Calgary or in either city if chosen. I will run him no further as I think he is as good a man as ever I ran with for a long stance. I would like to hear from Little

Plume or his backers as soon as possible

Yours truly, George Inving, Bow River Coal and Mining Co.

GEO. A. WINTON.

CALGARY, ALBA., TUESDAY, MAY 20. 1884.

THE NOR'-WESTER. (A Twenty-Four Column Folio)

oted to the interests of Alberta and th North-West generally-

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BRITISH AMERICAN RANCHE CO

Horse brand—C on left shoulder.

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Range—Bow River, N.W.T.

Address Calgary, N.W.T.

Well broken horses of all classes constantly on hand
The udersigned will attend at the Calgary House every. Monday to meet parties desiring to purchase horses A number of good pack horses for sale.

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Best of Hardwood always on hand. Shops—opposite
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GRAIN AND HAY CONSTANTLY ON HAND

WANTED. Immediately at the Bow River Mills—1 good sawyer to run Lath and Shingle Mill—must be a good filer. Also one good Lime Burner. Apply at office, Stephen avenue, between 2 and 6 p.m.

MORTIMER & CO.. And Aeriated Water Mani'rs

Wholesale and Retail. Bakery and Manufactory on Elbow bank. near Baker & Co's Store Branch shop and Lunch Counter,

Atlantic Ave., opp Freight Shed Our bread speaks for itself and our stock of fruits and confectionery are not excelled in the market.

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CHOICE SAUSAGES, Gold and Silver Watches, always on hand and fresh at the

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For further particulars apply to-KING & COMPANY.

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Tomatces,

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All express packages left at the, STEPHEN AVE. . CALGARY ALBA

Manufacturers and dealers in

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choice assortment of domestic and imported cigars always on hand; also a full asssortment of Barber's

STEPHEN AVENUE, OPP. P.O. A Young Girl Desires a Situation in an Hotel or Store. Has had two year's experience and very good references.

Silver or Holt City not objected to., Apply by letter NOTICE A Sitting of the Second Judicial District Court, Cal-gary Division will be held on the 15th day of June, A.D. 1884. Court will open at 11 0 clock a.m. on that

T. DOWLING, Clerk of the Court.

Calgary, May 13. 1884 NOTICE.

Notice is hereby given that the late firm of Wilkinson & Lindsay, hotel-keepers at Calgary, have made an assignment of all the partnership estate and effects, and also of their individual estate and effects, in trust for all their creditors, either individually or as members of said firm, and all persons having claims against the said partnership, or either of the said individual members of the said firm, are requested to send intheir names, residences, and particulars of their claims, with vouchers attached, to the undersigned at Calgary, Solicitor for the said Trustee, on or before the Fifth Day of June, A.D. 1884.

And notice is hereby given that after the said date, the said Trustee will proceed to distribute the assets o said firm, and the individual assets of the members of said firm, among the parties entitled thereto, having regard only to the claims of which notice shall have been given, and that he will not be liable for the assets, or any part thereof, so distributed, to any person or persons of whose debts or claims he shall not have notice

H. BLEECKER,

Dated at Calgary, April 18th, 1864. **SEASON 1884.** 

SPLEDID GREY HORSE, "YOUNG

"PERCHERON NORMAN,"

Suitable for getting g od colts for this country. Stano at S. H. May's farm, Elbow River. Terms \$25.0. season; \$2.00 mgh service. Apply to KING & CO Calgary.

SOMETHING OF INTEREST For Amateur Prospectors.

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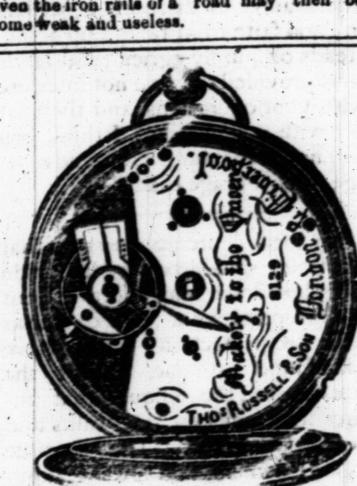
statuary marble, or a loaf of white sugar. In the case of the marble crystallization commenced at myriads of points at the same expand to a large size and regular outline.

When on the contrary, the process is slow, simple crystals often increase to a large size.

We may understand this subject of crys—

dd for mixed farming than is the district tallization by watching a solution of salt, as it evaporates over a fire. After a while, if the process is not too rapid minute points of salt appear at the snrface, and these continue enlarging. They are minute cubes when they begin, and they increase regularly become so heavy that they sink. In other cases, if the brine is boiled away too rapidly, a mass of salt may be formed at the bottom of the vessel, in which no regular crystals of the vessel, in which no regular crystals his estimable lady have our thanks for cubes can be seen. Yet it is obvious that the same power of crystallization was at happy to mention the hospitality. But the work and failed of yielding symmetrical harder the rain came down the quicker old solds because of the rapidity of the evaporation Crystals of salt have been found in the beds of this mineral a foot or more in breadth, which had been formed by natural evaporation; and the whole bed is in all evaporation; and the whole bed is in all cases crystalline in the structure of the salt However, finely the salt may be ground up as that for our tablef, still the grains were crystal ine in their origin and are crystal. crystal ine in their origin and are crystal-tine in structure. This subject may befurther illustrated by many other substances. A hot too had, but a fire was lighted in the great solution of sugar set away to cool will form crystals upon the bottom or upon any thread or stick in the vessel; and these crystals will continue increasing till a large part of ore Mr. Glen returned and so we were at the sugar has become crystals. It is a common and instructive experiment to place the framework of a basket or some other object in a solut on of sugar or alum, after a while it becomes a basket of finished gems, the crystals glistening with their many polished facets. Again, if a quantity of sulphur melted it will orystal ize on cooling. obtain distinct crystals, the surface crust the liquid part within be poured out cavity when cold will be found to be studded with delicate needles. The crust in this richness of the soil, give it the finishing touch to the picture, It was on top of one of although but faint traces of a crystal ine | those benches that the Marquis of Lorue stituting clouds often become changed to snow; this is a similar process of crystalli tation, for every flake of snow is a congerie Almost the first question that we put to of crystals andoften they present the form of regu ar six sided stars. So also our streams become covered with ice; and this is another form of crystalization of water. the power which solidies, and the power

in mineralogy; it is the science of solidificacome weak and useless.



WATCHMAKER

C.W.DAVIDSON, of the firm of M Intyre & Davidson, jewellers of Portage la Prairie and Minnedosa, has opened out opposite Post. Office. Calgary, with complete stock of watches, clocks and jewellery, Repairing of English, American and all kinds of Watches.

-SATISFACTION GUARANTEED.

PORTAGE LA PRAIRIE, MINNEDOJA

GLEN'S FARM.

A Picturesque Spot. [CONTINUED FROM LAST ISSUE.] He is a sufferer to a considerable extent by

forms which minerals assume are called crystals, and the process by which their formation takes place is termed crystallization. Crystallization is the same as selid-fication, whenever a liquid becomes solid there is actual crystallization. Under favor able circumstances regular crystals may form; but very commonly the solid is a may statuary marble, or a loaf of white sures. It is depredations of these animals. The present spring they have descroyed five or six cilves. As it is impossible to deprive the Indian of his dog, it seems the only way to prevent this nuisance will be to make up on the Indians keeping on their reserves. This regulation strictly enforced will de away with the dog unisance. This is really an important matter which the department of Indian Affairs will have to deal with the depredations of these animals. The vigorously as the country begins to settle up. Mr. Geddes has the fullest confidence in this district. He thinks the lesse system should be modified to a considerable extent.

The distance from Calgary to Mr. Glen's is about eight miles. His location is one Fish Creek and it is needless to say that anold miner and prospector like Mr Glen is knew how to select a claim when he went about it. To say that the valley of the Fish is picturesque conveys only a common place idea after all; The benches which flank the valley in gentle succession and whose tops bear ample testimony of the richness of the soil, give it the finishing touch texture are apparent on breaking it. This stood when he was on his visit to this part wes owing to too rapid cooling. Melted lead and bismuth will crystalsze in the same manner There is a substance, iodine, with as fine a class of English settlers which when heated passes into the state of as have ever come to Canada. Then we ena vapor; on ooling again the glass vessel containing the vapor is covered with complex crystals as brilliant as polished steel.

During the cold of winter, the vapors constitutions aloud of the vapors constitutions aloud of the vapors constitutions aloud. Then we entered into conversation with Mr. Glen, and found him to be an intelligent man who has seen active service in various parts of the world, especially in Mexico and British

Mr. Glen was. 'How about summer frosts?' Said he, pointing to two cards hanging on the wall, those will telt you all about it. They were taken down and found to be a which crystallizes, are thus one and the careful thermometrical record of he temperature beginning with July 1883 and ending to same. Crystallography therifore is not only a science treating of certain regular solids date, Ou the 27th July 1883, the thermometer indicated 320 or the freezing point. On the 22nd of August in the night, the Modes of crystallization, In the above temprature went down to 28 giving 4° of examples we have presented three different frost, and on the 31st of the same month it modes of crystall zation. In one case, the went down to 30 or 20 of frost. This is the the substance is in solu ion in water or some | sum total of the summer frosts. The durasolvent !] the particles are thus free to tion was only instantaneous, No real damuni e and as the solvent passes off by age was done. The potate tops were touch evaporation, they united and form the ed and that was all. These observations crystallizing solid. In a second case the were taken by Mr Shaw, an English set-Hot and Cold Baths Constantly on Hand substance is fused by heat; here again the tler who lives within a few hundred yards particles are free to move as the heat re- of Mr. Glen. The col lest day last win er mains and when it passes of solidification was the 11th of January when the mercury commences under the power of crystaliza- went down to 33, but during the same 24 tion. In a third case the substance is re-duced to a vapor by heat, and from this able feature is the great range which the sta e—also one of freedon of motion among the particles it crystallizes as the heated condition is removed. In the hardening of steel, it is well known that the coarseness of below zero. There is no continuous colds the grain varies with the temprature used such as may be experienced in Manitoba. and the manner in which the process is con- Manitobans will understand these items. ducted. An increased coarseness of struct | That said Mr. Glen "is the best answer I ure implies that certain of the crystalline can give you, though you will find that a grains were enlarged at the expense of other. It teaches us that in some cases the powers of crystallization may act at certain temperatures even without fusion or solution. The long continued vibration of iron, especially when under pressure- produces a similar change from a fine to a contract of the country in a few hours than those who have spent years in it. Then said Mr. Glen let us take a walk into the garden and see how things are goingon. The rain had ceassimilar change from a fine to a sourse tex- ed somewhat and sointo thegardenwent Mr. ture; and this fact has been the cause of Glen Mr. Larkin and the Non' WESTER. accidents in machinery, by rendering the And such a garden! Fifteen acres of it, iron brittle; it has led to the fracture of the surrounded by a palisade composed of spruce axle of rail cars and of grind stones, and posts six feet high, There is no herd law in

even the iron rails of a road may then be- Alberta, the farmer and the gardener must fence if he wants to keep his crop intact. The peas were up two inche looking as vigorous as young pine shoots. The cab-bage plants were beginning to look over-grown for transplanting and the tomatses were an incl. high. The seed had been scattered in the ground and they had sprung into life as they were. Radishes were atready springing up promising great results tor the next fortnight and the onions had commenced to come up here and there as if they too were not afraid of putting in too early an appearance and the soil was equal to anything that I have seen in the Red or Assiniboine valley, True it did not possess that rank greasy substance tound in the thick soil of the Red River valley, but there was just sand enough in it to retain the beat which was furnished the soil during the day. Nothing could be more promising than Mr Glen's garden. Away on the bench to the south was the farm. He has about forty acres, and the wheat and the oats and the barleylooking most promising.

Dear Sir-I hereby challenge "Little Plume" to a race from one to four mics for from one hundred to five hundred dollarsrace to take place anywhere between Winnpeg and Calgary or in either city if chosen. will run him no further as I think he is as good a man as ever I ran with for a long distance. I would like to hear from Little

Yours truly,
George Inving, Winnipeg, Man.

Bow River Coal and Mining Co.

Hereafter all Communications in regard to this Co

should be addressed to theuneersigned. GEO. A. WINTON.

TUESDAY, MAY 20, 1884.

THE MINING REGULATIONS

It is yet too early to expect re sults from the large movement miners and prospectors which have already set in towards the mountain. On the eastern slope of the Rockies "winter, still lingering chills the lap of May," but the rising waters of both the Bow and the Elbow Rivers give positive evidence that the snows on the lower portion of the mountains are yielding to the waters in these mountain-fed streams occur in June at a time when the snow on the more clevated sides of the great divide begins to tha w, for it is only the clevated peaks that are wreathed with the perpetual whiteness of winter.

It is no secret that the miners

and prospectors who are now flocking to the mountains are giving the preference to the western slope of the Selkirks, the elevation of which is less in degree than are the great Rockies themselves. despening into summer on the slope, the waters of whose streams flow to the ocean at "foam-flecked Oregon," and long before this hundreds of miners have struck boldly into the very heart of the Purcell and Selkirk ranges, for they have side as well as from the far east into the mountains. The Selkirks field. This does not look well, and familiar geography to them. | methods to secure his return. Years ago the mines had to be We are pleased to hear that Mr pay, the base of supplies being at stands. Major Walker does not least 500 miles distant from a com | seem to know this, though he may mon mining centre and adangerous | ascertain it before the election and difficult road to travel. A con- over A man who has no politics siderable force of miners and pro- is generally the member for himspectors will, however, operate on self, and the people should elect him the eastern sides of the Rockies, or to stay at home. rather in the foot hills. Every stream that flows from that stupendous range contains more or less color and now that the adventurous class The prospector is the individual are pushing ahead; as it is felt that the Hon. Mr. MacPherson will not persist in retaining the law in its present form if it is fairly shown him that it can be altered without being detrimental to the interests of the country, while at the same time giving better opportunities to the interested prospector who risks his all in his dangerous and difficult venture. In a few days we will proceed to the front with the object of seeing for ourselves and for NOR'-WESTER readers the situation as it really is. In the meantime it is not improbable that important discoveries will be made on this side of the mountains.

### DISTRICT ORGANIZATION.

Certain of our exchanges in the north-west have been hammering away at the question of territorial representation at Ottawa. No particular plan has, so far as we have seen, been laid down. The Regina delegation embodied this demand in their recent mission to Ottawa but the request has been looked upon as premature. When we view the matter in its true light, that is, aside from the ambitious designs of a few individuals and the fact that there are already conflicting interests in the north-west territory at large, we are not surprised that our streets should be graded, side the request has been looked upon walks laid down and, more urgent as premature. The wisdom which still, fire protection. We concur as dictated this view is not to questioned. Territorial organiza- so far found no one, except the tion in the north-west is yet im- HERALD and the clique that inperfect. The territory is very spires it, anxious for side walks and large, sparsely settled, and the street grading too. The sensible machinery now in operation is not property owners don't want anynow suitable to the Canadian idea. thing of the sort just now. though-we confess when it was is time enough yet for these im- other cause, a mining location caunot, at the framed it was the best that could provements. A few designing

presentation at Ottawa point to the urgency. Some of the men whom territories to the south of us and the Herald has been endeavoring to on other work in the vicinity of the claim say that these are represented in popularise as future mayors and at a cost not exceeding fity dollars, or of Congress by delegates, but those councillors are anything but prudent, some procuring at his own costby a duly who advocate similar representa- far-sighted or sensible. Talk is commissioned surveyor of Dominion Links, tion in our pailiament for the cheap! north-west forget that each and every one of those territories have separate organic ac's by which or into the loss of the ill-fated State they have local self-government, of Florida. She sunk in mid-ocean the fifty dollars deposited by him to defray and to us local self-government is from the effects of a collision with cost of survey.

for each separate district. so that disaster that happens. each district may have local selfgovernment itself. For instance this district has nothing in common with Assiniboia or Saskatchewan Its resources are greater and more varied and its conditions very much different from its sister districts. A separate council for each district does not require a separate Lieutenant Gevernor for each. That will To Govern the Disposal of Minebe time enough when there is Provincial organization. If the Dominion Government should see fit to grant this or any of the other districts separate organization we think every purpose will be answered until such time as the interests and population of each district shall be sufficient to justify Pro-

### THIS ELECTORAL DISTRICT.

We are glad to perceive that there is to be a public meeting so that the electors will have an opportunity to morth and south and east and west lines no hear the views of the candidates who who are aspiring to a seat in north west council for this electoral trict. An opinion is already widecome from the British Columbia spread, and it has gained considerable force of late, that a certain The western slope is certainly in prominent gentleman here has been favor with the great majority of the fixing things" to secure his own prospectors who have thus far gone return and keep others out of the are believed to be the richest ranges say nothing of the contempt which into the ground, and showing that length Many of those who have gone in is everywhere entertained by the this spring are familiar with the to- majority of electors for a person pography of the country. It is old who will resort to underground

abandoned secause "less than ounce Geddes is to be a candidate. Mr. diggings" in the Selkirks did not Geddes appears to know where he or with a pencil, his name in full, the date of

### A DEPARTMENTAL LETTER

We have received from a lease holder the following extract from an the number are applying themselves to the work official letter from the Department of discovery, it is most reasonable of the Interior, dated February last, to suppose that there will be some which is important to intending rich developments. Mining matters settlers, and may save a great deal at present on this side of the Rockies of inconvenience and trouble to in the mining district are quiet. parties who may be affected by such proceedings. The letter says upon whom all interest is cen- "that by direction of the Minister of tering. Notwithstanding the fact "the Interior the receipt of the letter" that the new mining regulations are "is acknowledged asking for an asthe letters WP., and an indication of the which certificate shall entitle the assignee to not giving satisfact on, prospectors "opinion from the Department as to be aring and distance of the site of the true all the rights and privileges of "the actual rights of the lessees of "grazing lands to prevent squatters "from taking up lands within the ing any one of the posts or mounds, be "boundaries of their lease hold.

After quoting clause 11 of the grazing lease, wil ch. provides "that should any perion or portions "of the land leased be now occu-"pied by any pason or persons who "may have so d thereon, such "persons may not be disturbed in their possessing by their lessees." The letter communs. " If, therefore, "there were settlers on the land be-"fore the date to m which the term of your lease is completed, they "come under the above clause, but "if subsequent to that date, THEN "THEY HAVE NO RIGHT to take up land within the boundaries of your "lease without your permission. The letter concludes with the following liberal sentence:- " Permit me "to point out to you that it is not 'desirable in the general interests of the country to discourage settlers. "in good faith from taking up homesteads on purely agricultural lands "and provided they do not interfere "with your operations, and they act "act with your consent, I think you "will find it to your personal advant-"age to encourage them."

Our local contemporary says that be to the fire protection; but we have The advocates of territorial re- This is about the nature of the

of more consequence just now than representation to parliament to adhonored way of going to the bottom, quite different from that which tom, quite different from that which ing proved such expenditure, fail within the shall have no surface rights therein; and the Local to the shall th

question. No, the north-west terri- the daily newspaper paragraphist that time to tory does not yet require the re- had conjured. The fact that the presentation which Mr. Davin and bark also foundered makes the disa few Regina politicians have been aster doubly tragical. It is about endeavouring to secure. What the time that the eastern press ceased people most need are organic Acts making dynamite a factor in every



## MINING REGULATIONS.

1. These regulations shall be applicable Il Dominion Lands containing gold, silve clanaber, lead, tin, copper, petreleum, iros

or other mineral deposits of economic val 2. Any person may explore vacant Dom inion Lands not appropriated or reserved by Government for other purposes, and ma search therein, either by surface or subterran-

### 1. QUARTZ MINING.

S. A lecation for mining, except for iron rock in place, shall not exceed forty acres in more than four in number. Its length shall not be more then three times its breadth. Its boundaries beneath the surface shall be the vertical planes in which its surface boun-

4. Any person having discovered a mineral al deposit may obtain a mining location there ter , under these regulations in the following

(a) He chall mark the location wooden post, not less than four square, driven not less than eighteen above it. .. If the ground be too rocky build about each of them, to support it and keep it in place, a cairn or mound of stones. at least three feet in diameter at the base. and eighteen inches high. Ou the most north-easterly post he shall mark legibly with a cutting instrument, or with colored chalk. such marking and the letters ML 1, indicate that the post is a Mining Location post No 1. Proceeding next to the most w to his initials. Next, the most westerly post shall be makked M L 3, and with his initials ; and lastly, the most morth-westerly post with his initials and the letters ML. 4. Furthermore on one of faces of of each post, which face shall be in the planting thereof be turned toward the post which next follows it in the order which they are here named and numbered be marked

such next tellowing means of measurement are not available, may be that estimated. If the corner of a liocation falls in a ravine, bed of a stream any other situation where the character of the ocality may reader the planting of a post mpossible, the corner may be indicated by the erection at the nearest suitable point of a witness post, which in that ease shall contain the same marks as those prescribed in co ruer from such witnes poet

(In this manner any subsequent prospector informed of these regulations, will, abled to follow them all round, from one another and avoid encroachment, either search or in marking out another location in the vicinity for himself.

(b) Having so marked out on the ground the location he desires, the claimant shall within ninety days thereafter file with the Local Agent, in the Dominion Land Office for the district in which the location is situated, a declaration on oath according to form A in the schedule to these regulations (which may be swore to before the said agent , or may have been previously sworn to before a Justice of the peace or Commissioner) settin forth the circumstances of his discovery, and deporting so nearly so may be, the locality and dimensions of the claim marked out by him as aforesaid, and shall, along with such declaration, pay to the sail agent an entry fee of five dollars.

[c) The agent shall then give him a receipt according to Form B to the schedule to these regulations, for such fee. This receipt shall authorize the claimant, his leval representatives or assigns, to enter into possession of the location applied fer, and during the term of one year frem its date to take therefrom and disprse of any mineral deposit contained within its boundaries.

5. At any time before the expiration of one year from the date of his obtaining the agent's receipt as aforesaid it shall be open to the claimant to purchase the location on filing with the lecal egent proof that he has expended not less than five hundred dollars in actual mining operations on the same' proof to consist of his own sworn statement, accompanied and confirmed by the affilavite of two disintereste i persons, setting forth in detail the nature of such operations and the amount expended.

6. The price to be paid for a mining locat tion shall be at the rate of five dollars per sere

7. On making the application to purchase a mining location and paying the price there for as hereinbefore provided, the claimant shall also deposit with the agent the sum of hity do lars, which shall be dremed payment by him to the Government for the survey o his location ; and, upon receipt of the plans and field notes, and the approval thereof by the Surveyor-General, a patent shall issue to the claimant in the form D in the schedule in - time of the deposit of fifty dollars by dividuals may urgently need jobs applicant for the purpose, be surreved by the Government for that sum, he shall be subject under instructious fromthe Surveyor-Goneral in the latter case, on receipt of the plane and field notes of the survey, and approval there-Dynamite did not enter as a fact of by the Surveyor. General as hereinbefore provided, the claimant shall be entitled to re-

upon sufficient cause being shown extend the his mening location for the additional term of one year, upon payment by the claimant of a new entry and the relinquishment of his original receipt in exchange for which

involved, and to take possession by demar-10. Priority of discovery alone shall not sequently and in iep-adent y disc vering, whe bad faith used the prior discovery of another, and fraudulently affirms that he made inde spart from any other legal consequences, have no claim, and shall forfeit the deposit made with his application, and shall be abso-lutely debarred from obtaining another min-

was the first to discover the mineral

11. Not more than one mining shall be granted to any individual clauman

12. Where laud is need or occupied milling purposes, reduction works or oth purposes incidental to mining operations either by the proprietor of a mining location or separate from, a mining location, in the manner hereinbefore provided for the application for, and the patenting of, mining locations, and may be held in addition to any such mining location but such additions laud shall in no case exceed five acres in ex-

mining location 18. The Minister of the Interior may grant a location for the mining of irou not exceeding 160 acres in area. Provided. should any person making an appli purporting to be for the purpore of than iron, his right in such deposit shall be restricted to the area herein before prescribed for otherminerals, and the rest of the location shall thereupon revert to the Crown for such

14 When there ar etwo or more app icant fer any mining location, no one of whom is the original discoverer, or his assigned, the Minuster of the Interior, if he sees his to dis pose of the location, shall invite their petitive tenders or shall put it up to public tender, or auction, as he may deem expedi-

16. An assignment of the right to pur. chase a mining location shall be endorsed ment [F rms B and E, in the schedale bereto], and the execution thereof shall be attested by two drienter-sted witnesses; upon the depos t of the receipt or cert fluts with such assignment executed and actested as herein provided, in the office of the local dollars, the local agent shall give to the discoverer in respect of the claim as igned the Munister of the Interior by the agent, at the same time and in like manner as his other returns respecting Dominton Land, and shall be registered in the department of the Interior : and no assignment the right to purchase a mining loca io , which is not suconditional and in all respects secordance with the provisions of this clausand accompanied by the registration fee hereis provided for, shall be recognized by th local agent or registered in the Department of the Interior. 16. If application be made under the nex receding clause by the sangues of the right

to purchase a mining location, and such claim is duly recognized and registered, a hereinterfore provided, such assignee shall, by complying with all the provisions of cause and 7 become entitled to parchase to location for the price and on the terms pe scribed in these regula ious, whether or his assignor may have previously acquired mining location under them

II. PLACER MINING. 17. The Regulations hereinbefore laid down in spect of quartz mining shall be applicable to Placer mining so far as they relate to entries, entry fees, assignments, marking of locations, agents' receipts, and generally where they can be applied, save that the boundaries of Piacer mining claims need not be due north and south and east and west lines, and except as

NATURE AND SIZE OF CLAIM. 18. The size of claims shall be as follows (a) For 'bar diggings,' a strip of land toe feet wide at high water mark, and thence extending into the river to its lowest water level. (b) for "Dry Diggings," too feet square.
(c) "Creek and River claims" shall be soo feet long measured in the direction of the general course of the stream, and shall extend in width from base to base of the nill or bench on each side, but when the hills of penches are less than too feet apart the claim shall be (d) "Bench claims shall be roo feet square.

(e) Every claim on the face of any hill, and fronting on any natural stream or ravine, shall have a frontage of 100 feet, drawn parollel to the main direction there of, and shall be laid out, as nearly as possible, in the manner prescribed by Section 4 of these Regulations.

(f) If any miner or association of miners shall discover a new mine, and such discovery shall be explicitly of the Arent claims of the satisfaction of the satisfacti

tablished to the satisfaction of the Agent, claims of the following size, in dry, bar, bench, creek or hill diggings shall be allowed: To one discoverer a party of two. a party of three. to each member of a party beyond four in number A new stratum of auriferous earth or grave, situated in a locality where the cause are abandoned, shall for this purpose be deemed a new mine, although the same locality shall have been previously worked at a different level; and dry diggings discovered in the vicinity of bar diggings shall be deemed a new mine, and piece

Mining, and the grant of the same, shall be those contained in forms F and G in the schedule hereto.

22. The entry of every holder of a grant for Placer Mining must be renewed, and his receipt relinquished and replaced every year, the entry fee being paid each time. 21. No miner shall receive a grant of more than one mining claim in the same locality, but the same miner may hold any number of claims by purchase, and any number of miners may unite to work their claims in common upon such terms as they may arrange, provided such agreement be registered with the Local of by the Surveyor. General as hereinbefore provided, the claimant shall be entitled to receive his patent, and to have returned to him the fifty dollars deposited by him to defray the assignee a certificate in Form H in the schedule

vincial organization. The government at Ottawa are likely to be pestered with self-constituted delegations enough without creating the view to obtaining under these regulations amining location or mining claim shall be granted and legations enough without creating the view to obtaining under these regulations amining location or mining claim shall be granted and location or mining location or

ipresentatives of the said deceased miner.

35. The Local Agent, or any person authorized by im, shall take charge of all the property of deceased miners until the issue of letters of administration.

III.-BED-ROCK FLUMES. plicants and the nature and extent of the privileges sought to be acquired. Ten clear days' notice thereof snall be given between the months of June and November, and between the months of November and June one month's notice shall be given by affixing the same Every application for a grant shall be accompanied by deposit of \$100, which shall be returned if the application be refused but not otherwise. 38. Every such grant shall be in writing, in the Form given in the schedule hereto.
39. The holders of claims through which the line of

e co npany's flume is to run may put in a bed rock strong materials as that built by such company.

40. Every Bed-rock Flume Company shall lay at at least fifty feet of flume during the first year and one hundred feet annually thereafter, until the completion Any miners lawfully working any claims where a drock flume exists, shall be entitled to tail their

duices, hydraulies and ground sluices into such flume 42. Upon a grant being made to any Bed-rock Flum company, the Local Agent shall register the same! and the company shall pay for such registration a fee of \$10 liney shall also pay in advance an unnual rent of \$10 or each quarter of a mile of right of way legally help

IV .- DRAINAGE OF MINES. 43. The Minister of the Interior may grant to a cupied mining land, and may give such persons exclusive rights of way through and entry upon any mining ground for any term not exceeding five years, ne purpose of constructing a drain or drains for 44. The grantee shall compensate the owners of lands or holders of claims entered upon by him for any damage they may sustain by the construction of such tunnel or drain, and such compensation, if not agreed upout shall be settled by the local agent and be paid before

45. Such tunnel or drain, when constructed shall lee ned to be the property of the person or persons 46. Every application for a grant shall state the nam the applicants, the nature and extent of the propose drain or drains, the amount of toil, if any, to be charged and the privileges sought to be acquired, and shall, save where the drain is intended only for the drainage of the claim of the person constructing the same, be accompanied by a deposit of \$25, which shall be refunded in case the application is raffeed, but not otherwise, Notice of the application shall be given and pro-tests may be made in the same manner as provided in re-

47. The grant of the right of way to construct drain tunnels shall be made in the Form J in the schedule hereto. The grant shall be registered by the grantee in the office of the Local Agent, to whom he shall at the time pay a registration fee of \$5, or if the grant gives power to collect tolls, a fee of size. An annual rent of size shall be paid in advance by the said grantee for each quarter of a mile of right of way legally held by him, save where the drain shall be for the purpose of draining only the claim of the person constructing the

V.-DI ICHES.

48. The Minister of the Interior may, upon the at association of persons, for any term not exceeding years, the right to divert and use the water from stream or lake at any particular part thereof, and the rights of way through and entry upon any mining ground for the purpose of constructing ditches flumes to convey such water; provided always, every such grant shall be deemed as appurtenant to the mining claim in respect of which it has been obtained and, whenever the claim shall have been worked out or abandoned, or whenever the occasion for the use of such water upon the claim shall have permanently Ceased, the grant shall be at an end and determine.

The grantee shall record the said grant with the Local

Agent during each year of the continuance of the same 49. Twenty days notice of the application shall be given by affixing the same to a post planted in some conspicuous part of the ground, and a copy thereof conspicuously upon the inner walls of the Land Office for the district, and any person may protest within such twenty days, but not afterwards, against such application being wholly or partially granted.

50. Every application for a grant of water, exceeding 200 inches shall be accompanied by a deposit of \$25, which shall be refunded in case the application is refused st. Every such application shall state the

the applicants, the name or description of the stream or lake to be diverted, the quantity of water to be taken, the locality for its distribution, and the price, if any, t be charged for the use of such water, and the time ne-cessary for the completion of the ditch. The grant shall be in Form K in the schedule hereto. 52. Every grant of a water privilege on occupied creeks shall be subject to the right of such miners as shall at the time of such grant, be working on the stream above or below the ditch head, and of any other persons lawfully using such water for any purpose what

53. If, after the grant has been made, any miner inners locate and boos fide work any mining claim be-low the ditch head, on any stream so diverted, he or they collectively shall be entitled to 40 inches of water if 200 inches be diverted, and 60 inches if 300 inches be di-

inches be diverted, and so inches if 300 inches be diverted, and no more except upon paying to the owner of the ditch, and all other persons interested therein, compensation equal to the amount of damage sustained by the diversion of such extra quantity of water as may be required; and, in computing such damage, the loss sustained by any claims using water therefrom, and all other reasonable losses, shall be considered.

54. No person shall be entitled to a grant of the water of any stream for the purpose of selling the water to present or future claim holders on any port of such stream. The Minister of the Interior may, however, grant such privileges as he may deem just, when such ditch is intended to work bench or hill claims fronting on any such stream, provided that the rights of miners then using the water so applied for to be protected.

55. The Minister of the Interior may, on the report of the Local Agent that such action is desirable, order the enlargement or alteration of any ditch, and fix the compensation, if any, to be paid by parties to be benefitted thereby.

tinuance of mining operations, and the supply of water is insufficient, the Agent shall have power to grant leave of absence to the holder of the grant during such insufficiency, but no longer, except by permission of the Minister of the Interiorshall be replaced by flumes or otherwise repaired person or persons inflicting any such damage.

63. The owners of any ditch, water privilege ing right shall, at their own expense, construct and maintain all culverts necessary for the pass waste and superfluous water flowing through any such ditch, water privilege or right.

64. The owners of any ditch or water privilege construct and secure of any ditch or water privilege.

under any ditch, water privilege or mining right with VI.-GENERAL PROVISIONS.

be used for mining purposes.
"Dirch Head shall mean the point in a nat

Quartz" mining shall mean uartz or other rock in place. "Location" shall mean the land entered by or pat. ted to any person for the purposes of unartz minunge

HEARING AND DECISION OF DISPUTES.

68. The Local Agent shall have power to hear and determine all disputes in regard to mining property arising within his district, subject to app at by sith r parties to the commissioner of Dominien Lands.

69. No particular forms of precedure of must be properly expressed in writing and a copy of the complaint shall be served on the opposite party not less than 70. The complaint may, by leave of the Local agent, be amended at any time before or suring the proceedings.

71. The complainant shall, at the time of filing his complaints deposit therewith a bond-fee of \$10, which shall be returned to him if the complaint proves to have been wel -tounded, and not otherwise, except for special cause, by direction of the Minister of the Interior.

72. In the event of the decision of the Local Agent being made the subject of an appeal to the Commissioner of Domission lands, the appellant shall, at the time of ledging the appeal, deposit with the Local Agent a bond-fee of \$10, which shall be returned to the said appellant if his appeal proves to have been well-founded, auf not otherwise, except for special cause, by direction of the Munister of the In erior.

73. The appeal must be in writing an must be lodged with the Local Agent more than three days after he his iven his decision, and must state the grounds upon which the said decision is app aled from, 74. If the Commissioner of Diminien

Lands decides that it is necessary to a preper decision of the matter in issue to have an investigation on the ground; or, in cases of disputed boundaries, or measurements, to smi ploy a surveyor to measure or survey the fand in question, the expense of the inspection. re-measur-ment or re survey, as the cast may be shall be borne by the litigant, who shall pay into the hands ofthesaid Commissioner, in equal parts, such sum as he may think sum cient for the same before it takes place other. wise it shall not proceed and the party who refuses to pay such sum shall be adjudged in default. The said Commissioner shall sub qu ntly decide in what proportion the said expense should be borne by the parties respectively, and the surplusage, if any, she then be returned to the parties as he ma

75. All bond fees adjudged as forfeited b the Local Agent or Commissioner, and a payments retained under the last preceeding rendered, and all entry and other fees of monies shall as soon as they have been to ceived by him, be paid by the mid Agent Commissioner to the credit of the Receiver tereived by him on account of Dominion

### LEAVE OF ABSENCE.

76. The Agent in each district shall, under instructions from the Minister of the Interior

77, Each holder of a mining location or of grant for placer mining shall be entitled to be absent from his mining location or digeings and to suspend work thereon during the close Sauson.

78. The Local Agent shall have power to grant leave of absence to the holder of a mining location or grant for placer mining pend.
ng the decision of any dispute in which be is concerned under these R gulations.

79. The Minister of the Interior shalls clare the boundaries of mineral and mining districts, and shall cause a description of the so. Every owner of a ditch or water privilege shall take all reasonable means for utilizing the water granted to him; and, if he willfully take and waste an yun-reasonable quantity of water the Minister may, upon the report of the Local Agent, if such offence persisted in, declare all rights to the water forfeited same to be published in the Canada Gasette. 80. The Minister of the laterior may diout within such districts whereever, from re-

dispose within ance a several said M to pure ionally, knowu descrip 1f th represent eutitle year fro de not

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FORM

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full for fifty dol to purch Minister FORM

Quired b bia appli which he described

detail) for This re (A. B.) or assigns, said minus from the take there deposit cor

cation whi

ention shall reserve to the Crown, for ever, royalty of two and one half per cent, on sales of the products all mines therein.

or such intervals as may be required by the Minister of the Interior, of all products of his mining location and of the price or amount to

so carried on as not to interfere with or en- of Canada give and grant unto danger the safety of the public, any public ties who may have constructed the same, therein, unto the said er in their absence upon such terms as he

instructions to be from time to time insued

by the Minister of the Interior, shall cause
to be laid out, at the expense of the person or
persons applying for the fame, a space of public utility or convenience, but no such residence sive right

officer of Dominion Lands, such right or right of carrying water over, through or under grant shall be absolutely torfeited isso facts, any parts of the hereditaments hereby grauble thereafter of acquiring any such right | cuttural or other purposes in the vicinity decided by the Minister of the Interior.

of the North-authority in to lay out igh, along or g right with-

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UTBS.

SCHEDULE TO MINING REGULA. FORM A .- APPLICATION AND APPIDAVIT

DISCOVERER OF QUARTZ MINE.

apply, under the Dominion Lands Mining Regulations, for a mining location in (here give general description of le for the purpose of mining for (bere name metal or mineral) and I hereby solemnly sweat 4-

1. That I have discovered therein a deposit of (here tame the metal or mineral) 2. That I am to the best of my knowledge and belief the first discoverer of the said

3. That I am unsware that the land is other than vacert Dominion Land. 3, That I did on the

mark out on the ground, in ac ordence in every particular with the provisions of subsection a of clause four of the said Mining keguiations, the location for which I make this application ; and that in sodoing I did not sucroach on any mining location previewsly laid out by any other person. 5. That the said mining location contains,

as nearly as I could measure of estimate. an ach s, and that the description (sad sketch, if any ) of this da . herete attached, signed dy me, set forth in detail to the best of my knowledge and ability its posi 6. That I make this application in good

faith to a quire the land for the sole purpose of mining to be pro equied by myself or by mysell, or by myseit and associates, or by my

Sworn before me at

(Signature.)

CANT FOR MINING LOCATION.

DEPARTMENT OF TH RINTERIOR.

Received from (A B of five dollars, being the fee required by sub section b of clause four of the Dominion

Lands Mining Regulations, accompanying his application No. . dated , for a mining locati n in general description of locality.)

This receipt authorizes the said his legal representatives or assigns, to enter into possession of the said mining lo ation, and, during the term of one year from the date of his receipt, to take therefrom and dispose of any mineral deposit contained within its boundaries, and, on due .compliance at any time within that period with the several requirements in that, behalf of the to purchase the said location which, provisionally, and until survey thereof, may be known and described as follows ; description in detail).

If the said (A. B.) representatives or assigns, fail to comply as aforesaid, with the conditions that would entitle him or them to purchase within on year from this date, or, having so complied de not within that time make payment in full for the land, and also pay the sum of fifty dollars prescribed to the said Regulations for the survey of the location, then the righto purchase shall lapse and the mining locat tion shall revert to the Crown to be otherwise a sposed of as may be directed by the Minister of the Interior. Agent of Dominion Lands.

FORM C.\_RECFIPT FOR FEE ON EX-TENSION OF TIME FOR PUR-CHASE OF A MINING LO-

CATION. DEPARTMENT OF THE INTERIOR.

Received from five dollors, being the fee required by clause, seven of the Dominion Lanes Mining Regulations, accompanying application No. 18 for the extension of the time within which he may purchase the mining location described as follows ; (insert description in detail) for which he obtained an entry No.

This receipt authorizes the said

(A. B.)

(A. B take therefrom and dispose of any mineral locality. deposit contained within its boundaries, and The Minister of the Interior hereby grants sert description; on due compliance at any time within that to the said (A. B.), for the structing a d. ain period with the several requiremen's in that behalf of the mid Mining Regulations, and the right to charge the followtitles him or them to burchese the said la cation which provisionally and until survey

term of one year from the date hereof, the thereof; and the right to charge the following tolls for the use thereof; (insert tariff of tolls.)

Cation which provisionally and until survey

for the miner-like working thereof and

Provided that the grantee shall construct

location shall revert to the Crown, to the Minister of the Interior ..

FORM D .- PATENT OF A MINING LO-

Ireland, Queen, Defender of the Faith- are expressed herein or not. To all to whom these presents shall

for Us, Our heirs and successors, in consider-33. The Local Agent shall have the power ation of the fulfilment of the Dominion to summarily order any mining works to be Lands Mining Regulations of our Dominion

may by his order be either filled up or guar. to hold the said parcel of land, and all mineded to his satisfaction at the cost of the par- rais, precious and base, which may be found

Regulations or any of them by any person any other person duly authorized by Us, Our which the said claim was granted to the said bolding a grant or right of and description heirs and successors, to take and occupy such from the Crown, or from any duly authorized | water priveleges, and to have and enjoy such and the person so offending shall be incapa- ted as may be reasonably required for agrior grant, unless for special cause otherwise the said land, upon paying, therefore a reasonable co upensation to the aforesaid

> Provided further, that a royalty of two and one half per cent shall be paid to Us, Our heirs and successive, upon all the gold and silver produced from the said lands.

FORM E.-CERTIFICATES OF THE AS SIGNMENT OF A MINING LOCA-

DEPARTMENT OF THE INTERIOR. DOMINION LANDS OFFICE

This is to certify that (B. C.) of filed an assignment in due form, dated 18 and accompanied by a registration fee of two dollars, as the right of (A. B.) of to purchase the mining lucation 14 (here insert general description of locality) applied for by the mid (A. B.) on the

Tois certificate entitles the said (BC) his legal representatives or assigns, to all the rights and privileges of the said (A. B.) in respect of the claim assigned and hereinafter described : that is to say, to enter into possession of the said mining location and during one year the form the date of the receipt granted to the said (A. B.) dated the

day of 18 , to take therefrom and dispose of any mineral deposit contained within its toundaries, and on due compliance at any time within that period with the several r. quirements in that behalf of the said Mining Regulations, entitles him or them to purchase the said location, which provision any, and until survey thereof, may be knowe and described rs tollows : (Insert description in detail.)

If the said (B. C.) or his legal represen tatives or assigns, fail to comply as aforesaid with the conditions that would entitle them to purchase within one year of the date of the receipt granted to (A. B.) and now deposited with me, or having so complied, do not with in that time make payment in full for the land, and also pay in full the sum of filts dollars prescribed in the said Regulations for the survey of the location, then the right to purchase shall lapse, and the mining location shall revert to the Crown, to be otherwis-

ter of the Interior. Agent of Dominion Lands.

FORM F. - APPLICATION FOR GRANT FOR PLACER MINING AND AFFI-DAVIT OF APPLICANT.

, (A. B.), of hereby apply, under the Dominion Lands Mining Regulations, for a grant of a claim for placer minings defined in the said Reguestions, in (here describe locality)

lemnly swear : 1. That I have discovered therein a deposit of (here name the metal or mineral.) 2. That I am to the best of my know edge and belief the first discoverer of the said de-2 That the said claim was previously gran-

ted to there name the last grantee), but nas remained nuworked by the said grantee for 3. That I am unaware that the land.

oth rtisu vacant Dominion Land. 4. That I did, on the day of mirk out ou she ground in accordance every particular with the provisions of subsection a of clause four of the said Mining Regulations, the claim for which I make this application, and then so doing I did not tion previously laid out by any other per-

That the said claim contains, as nearly as I could measure or estimate, an area of square feet, and that the description (and aketch, if any) of this date hereto attached, signed by me, set forth in detail, to the best of my knowledge and ability, its position,

6. That I make this application in good faith to acquire the claim for the soie purpose of mining to be prosecuted by myself, or by myself and associates, or by my assigus. DOMINION LANDS OFFICE, Sworn before me at

Signature

DEPARTMENT OF THE INTERIOR. DOMINION LANDS OFFICE,

The rights hereby granted are those laid down in the aforesaid Mining Regulations, United Kingdom of Great British and lone of the said regulations whether the same

DEPARTMENT OF THE INTERIOR. DOMINION LANDS OFFICE.

This is to certify that registration fee of two dollars, of the grant to

This certificate entitles the said claim assigned, that is to say, to the exclu-Provided, also, that it shall be lawful for for the proceeds realized therefrom, tion) ny other person duly authorized by H. Ott.

> (A. B.) that is to say, natil the The said lawfully appropriated as shall be necessary for the due working thereof, and to drain Lie claim tree of charge,

This grant does not convey to the said ciaim, or any ri ht of ownership in the soil claim is continuously and in good faith worked by the said (B. C.)

The rights hereby granted are those laid down in the aferesaid Mining Regulations, and no more, and are subject to all the provis ions of the said regulations, whether the same are expressed herein or not.

Agent of Dominion Lands. has FORM I. - GRANT TO A BED ROCK

FLUME COMPANY. DEPARTMENT OF THE INTERIOR.

DOMINION LANDS OFFICE,

In consideration of the sayment of a posit of one hundred dollars, required by sause forty of the Dominion Lands Mining Regulations to as made with the application of a Bed Rock F ume Company, and of thefurther sum of ten dollars, being the fee for registration of this grant required by clause forty five of the said Regulations.

Tue Minister of the Laterior hereby grants to (names of members of company) forming together a Bed Rock Fiume Company (known as the) title of company) the tolow. ing muhts and priveleges, that is to say ;-(a) The rights of way turough and entry upou any new and nuworked the exclusive right to locate and work a strip of ground one hundred feet wideaud two hundred feet long in the bed thereof to each

individual of the company. (b) The rights of way upon any river, creek guich or ravine, worked by miners for any period longer than two years prior to such entry, and already wholly or partially abandoned and the exclusive i ght to stake out and work both the u.worked and abandoned portions thereof, one hundred teef in width and

on quarter of a mile in length for each indi. ridual of the company. (c) The rights of way through and entry apon all claims which, at the time of the notice of application, are in good faith being worked, for the purpose of cutting a channel and laying their flume therein, with such

re sonable space for constructing, maintaining and repairing the flume as may be neces. uuapropriated water on which they may be and of other adjacent streams, as may be necessary for the use of their flumes, hydrau lic lower, and machinety to carry on their

operations, and the right of way for ditches and flumes to convey the necessary water to their works, subject to the payment of any damage which may be done to oth r parties by running such diteleer flume through or over their ground. Provided, that the rights herein granted

claims and streams as may, alter due nouce and application, be subsequently added to the above list by the Minister of the Interior under the hand of the Local Agent. Provided, also that the said company shall

pay to the Local Agent in alvance, an annumile of rig it of way legally beid by them : Provided further, that this grant is subject o all the provicious of the Dominion Land Mining Regulations in that behalf, whether the same are expressed herein or not, Tou grant snall cease and determine at the exparation of years from the date here

Agent of Dominion Lands.

FORM J .- GRANT FOR DBAINAGE

DEPARTMENT OF THE INTERIOR. DOMINION LANDS OFFICE, Agency. 18, In consideration of the payment of a de-

for the grant of right of way to construc drains, and of the further sum of lars, being the fee for the registration of this grant required by clause fifty of the gaid Regulations. The Minister of the Interior hereby grants (name or name of grantee or grant-

the following mining grounds (here in-, for the structing a d ain ar drains for the drainage

thereof, may be known and described as the construction of a assidence thereon, and such drain or drains of sufficient size to meet the exclusive right to all the proceeds realized all requirements within,

provided further that the said grautee shall pay to the local agent, in advance, an annual rent of ten dellars for each quarter of a mile right of way legally held by

Provided further, that this grant is subject

to all the provisions of the Dominion Lands FORM H.—CERTIFICATE OF THE the same are expressed herein or not.

ASSIGNMENT OF A PLACER MINING

Mining Re ulations in that benefit, whether the same are expressed herein or not.

Agent of Dominion Lands,

> FORM K -GRANT OF RIGHT TO DI-VERT WATER AND CONSTRUCT DITCHES

> posit of twenty-five dollars required by clause fifty three of the Dominion Lands Mining

The Minister of the Interior hereby grante sumption shall be made of lands on whichany miner-like working thereof and the construction of inches and no more, to be distributed permanent buildings may have been erected. tion of a residence thereon, and the exclusive as follows :- (describe locality of distribu-

[insert rates to be charged] the rights of way through and entry upon the (B. C.) shall be entitled cription; for the purpose of constructto the use of so much water naturally flow. ing ditches and flumes to convey such water, ing through or pas, his c aim and not already provided such ditches and flumes are construct d and in working order within

Provided that the grant shall be deemed to be appurtenant to mining claim No. said claim shall have been worked out or grant, h l lapse and be forfeited unless the such water upon the said claim shall have Provided also, that this grant is subject to Mining Regulations in that behalf whether

the same are expressed herein or not. PRIVY COUNCIL, UTTAWA, 7th March 1884

l hereby certify that the foregoing Regu-lations to govern the disposal of Domision Mineral Land, have this day been approved by his Excellency the Governor General

JOHN J. McGEE. Clerk, Privy Council.

# Calgary, N.W.T.

DEALERS IN

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We would call the attention of the public to the fact that we are prepared to sell at the lowest prices, and would invite an inspection of our stock. All orders will receive prompt attention. Dont forget our stere-

West of Royal Hotel Calgary Employment Office.

-AND-

REAL ESTATE

And Commission Agents

Opposite Theatre Hall P.O. Box 181, H, C. Penniston.

FOR FINE JOB WORK

"NOR'-WESTER" OFFICE

Wholesale and retail Dealers in

CALGARY, ALB.

me of the largest Stocks in the North-west consisting of

Dry-Goods, Boots & Shoes, Hats & Caps. Gents' Furnishing Goods, Woolen Tweeds Harness & Saddlery and Hardware.

SUITS MADE TO ORDER

A ccording to the Latest and most Fashionable Styles. SPECIAL LINES, -ACRICULTURAL IMPLEMENTS, CANNED GOODS AND BARBED WIRE, STOVES

We have the largest stock of Blankets in the N.W., and we offer special inducement

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School Books, Blank Books, Family Bibles, Dictionaries, Drawing Papers, Tracing Cloth, etc., etc.

A Fine Stock of Fishing Tackle

To Arrive in Few Days.



The largest and finest stock of American Sadlery ever brought to this country, consisting of-Mexican Bits and Spurs, every style; Quirts, Whips, Lashes, Legging, Cartinas, Holsters, Bridles, Cinches, Stirrups, Chains, Curry Combs, Brushes, etc., etc., Valises and Traveling Bags every style, Full line of Harness, single and a sis, Sall ars, Halters, Hobbles. Surcingles, etc., etc.

Manufacturer of Riding Saddles and Fine Harness a Specialty. All Work Warranted Orders from a Distance Promptly Executed Repairing Neatly Done COTTINGHAM. JOHN

Calgary, N. W. T.

THE

MAR. WESTER HUUIS THE DIES.

A Twenty-Four Column Folio.

NOON, AT CALGARY, ALBERTA.

Devoted to the interests of the North-west generally, to those of Alberta particularly, and to the interests of Calgary especially.

ORGAN OF THE MOUNTAIN DISTICT. Containing Well Written Editorials, Spicy Locals, Latest Mining News, and the News of the World Generally.

The NOR-WESTER intends to tike a leading part in the affire of Alberta. will be vigitant, outspoken and enterprising. Miners will find in the Nen'-wester a live journal, suitable to a frontier people, and one which will criticise as well as expose, praise as well as condomn as the case may require.

Jarvis, Terms---\$3.00 Per Annum,

SIX MONTHS--\$1.50

In consideration of the payment of a deposit of twenty-five dollars required by clause posit of twenty-five dollars required by clause of the Dominion Lands Mining Office—Stephen Avenue, The Nor'-Wester Job Department Regulations to be made with the application

Is fitted up with the latest and choicest assertment of Job Type and Material,

Cards, Circulars, Bill Heads, Note Heads, Posters, Dodgers, Programmes.

And all kinds of Job Work executed in every style, the latest and most fashionable variety,

and all work neatly and promptly executed. WARNER] & COMPANY,

PRINTERS & PUBLISHERS,

OFFISE-STEPHEN AVE. OFF

the Saskatchewan Gold Mining and Dredging Co., was a visitor at the NOR'-WESTER office last night

Mr. Levy left this morning for the Saskatchewan with his outfit. The

plant consists of a dredging ma-

chine, washer and retoil complete.

give the north branch of the Sas-

katchewan a thorough prospecting this summer. Mr. L. has had con-

in California and the eastern

-To show our eastern readers

to state that there was at one time

foot tribe. Dr. Orton, M. P. Mewink-at him-once a boy of the

ion Civil Service was also in the

-A short drive into the coun-

try with Mr. W. T. Ramsay, agent

of the Canada and Northwest Land

Co,, on Saturday afternoon more

than repaid us for the time. To

pat of nature, and descended into

the lovliest and most charming val-

leys is to admit that nothing but

Mr. May's ranche and farm reposes

in a valley that Rassela's himself

might have envied, Both Mr. and

Mrs. May received us with the

hospitality of the English home,

for home it is in every sense, sug-

gesting that this a district in which

a home may be made. Then bid-

ding farewell toour guests we ford-

ed the surging but shallow waters

of the Elbow and took an air line

for the rannche of Mr. Livingstone

who entertained us for some time

with an interesting statement of the

Flour, Feed and Seed,

S. PARRISH & CO.,

Stephen venue,

Flour, Oatmeal, Cornmeal, Cracked Wheat, Oats, Flax Seed, Oats, Barley, Chop, Bran,

SEED WHEAT

given to bakers and hotel

NEWSY NUGGETS.

Picked ap Around Town by Nor'-Wester Frospectors for the Information of Nor's Wester Benders.

Lt. Cochrane, R.N., is a guest of Mr. Levy says that he intends to Capt. Boynton.

-Theman who invented Laggan is away behind time.

country, and he anticipates good results. The ferry was started to-day. It is in a central situation on 15. -Mr. Lorne Lootes, of the C.P.-

R. Construction Co,, is in town. what a really cosmopolitan people Mr. Frederick Beaumont, son of Sir. Frederick Beaumont, is one of Calgaryites are it is only necassary the latest arrivals.

Mr. Snider has been appointed in the Nor'-wester office on last agent tor the Massey Manufacturhim twice, a brave of the Black ing Company here. The appointment is a good one.

-A letter from McLeod sug- Blood nation and J. Mackilcan of Hamilton Ont-, a gentleman gests the idea of a "cricket week" next month. This we understand is of the press" who is well known in to be carried out between the clubs Ontario. Mr. Swan of the Dominof both places.

4 grapher to transfer the group to the Friday evening which weighed and a nalf pounds and measured immortal litimus paper. 221/2 inches. Beef was the bait.

-Dr: Henderson and Mrs. Hen- travelling agent, an old time acderson are among the latest arri- quaintance of the NOR'-WESTER, vals. Everyone is pleased to see left yesterday for Winnipeg. Durthe Dr. back, even the celebats ing his visit to this district Mr. has been appointed Bishop of Assimiboia

-The thanks of the congregaof the Church of England are due to Capt. Boynton for his kindness in allowing the congregation the use of his fine hall for Church sersoil between Calgary and Fort Mc-

-Messrs. Breden, Corkright and Leod as he ever saw in Manitoba. Enwer were passengers on the last train for the Mountains. They go prejudiced against Manitoba, be they demand to be treated the same as Manito swell the noble army of prospec- cause he has interests there but he toba half breeds. with regard to the capitalists of this at the the front.

-We give a large portion of our space to-day to the publication of the Mining Regulations Every Mr Swan has received the appoint | der Pia Pot at Indian Head have left their miner and prospector in the country ment of Homestead Inspector. ordered from Regina to look after them. should buy the NOR'-WESTER and Though our acquaintance with Mr. thus secure a personal acquaintance S. is only short yet it is favorable. The earlier settlers of the town with the provision of the Act.

speak highly of Mr. S. Mr. Swan -At a meeting of the Church of England committee held at Mr. Forest Ont., having we believe, Ramsay's officelast evening a vote risen to important positions of trust of thanks was passed to Capt. there, which he filled with honor Steele for his kindness in allowing and credit, during a quarter of a the congregation the use of the century's residence in that town. Fort orderly room for cervices. The Government have we believe

-A meeting was held at the madea wise selection in Mr.S. and we Royal on Friday evening for the hope that his appointment will compurpose of organizing a La Crosse prise this district. We are sure that club. There was a fair attendance. in all matters in which he is concern-The promoters have called another ed he will act honestly and immeeting for next Wednesday even-partially. ing at the same place. attendance is requested. Members of the Mounted Police are particul. arly envited.

Mr. Fitz-gerald Cochrane, late editor of the Prince Albert TIMES, say that we drove up gentle and was a pleasant visitor at the NOR'hills covered with the greenest car-WESTER office last week. Mr. Cochrane was on his way to the front. During his stay in the mountains he will represent the NOR' WESTER as special correspondent. He is, besides being a arrister, a gentleman of considerable literary ability.

-We took a look yesterday at the Toronto Mower, and Sharp's Rake, for which Mr. Snider is agent. The mower with its meehanical movement is a wonderful contrivance, with its malleable iron castings, and its knife that cuts as clean and as true as a razor. The rakes work either by hand or with a horse, and they carry out the economy of their design with mathematical accuracy.

Mr. Joseph Buchannan was before Major Dowling yesterday will appear in our next. charged with having intoxicating liquor in his pessession. Mr. Blee ker appeared for the defence. Sergeant Danne was examined and crossexamined and the case was adjourned till this afternoon at three o'clock. A full report of the' evidence will appear in our next

-There was an enthusiastic meeting of the "knights of the willow " last night at the Royal, WHOLESALE & RETAIL when the Club was organized and new officers elected. Dr. Henderson was elected president, Mr. Alex. Dow, secretary and treasurer, Mr. A. E. Shelton, Captain of the field. Next Saturday a match will be played between the Fort and the Calgary clubs. It will be an unusually interesting match.

-Adherents of the Church of England will please take notice that hereafter services will be held in Boynton's Hall every Sunday at 11 a.m. and 7 p.m. The building is spacious and there is ample room. A meeting will take place on Friday evening next, at eight o'clock in the same hall, for the purpose of forming a choir. The new clergyman is expected to arrive here by the next train.

Not a Heavy Bill to-day, Telegraphic man not Jush-News Inventor's Away Hunting After 'Gush'

siderable experience in gold mining A Prelate ew for Assimbola, The Rev. Canon Anson, Pia Pot the Peace Destroyer, Is not His Case Enhancin'

> Senator MacPherson has Resign ed The Portfolio of Interior : -C.P.R. Receipts Declined to Somethiag Quite Inferior.

WE.G. has the Men, the Ships and Money too, But Echo Asks Deyoutly When and What He alcal "Means to Do,

-Mr. Wellington Murphy group. The only regrettable thing Prince Albert Breeds Will Erect caught a mountain tout in the Bow is that we didn't get the photo- A Wooding Blawsted Fence. Direct, Like Mr. Thos. Spence. -Mr. Maw, Massey and Co.'s much to mand odr and

WINNIPEG, May 20. Rev. Canon Anson whose ranks he has just deserted. Maw has been over a considerable Mr. Nairon an exetusive coal merchant of portion of Alberta, the Edmonton Toronco intends erecting large flouring mills

section being the only point not ] lighted with the section of country that he visited He informed the all of them have one west. The stone masons here have struck for four dollars. NOR'-WESTER that he saw as good

to swell the nome army of prospect does not hesitate to speak his mind tors that are now "roughing it" does not hesitate to speak his mind 14th, \$103,000, corresponding week last year 118,000 THE IRREPRESSIBLE PIA POT.

-We are pleased to record that INDIAN HEAD, May 20 .- The Indians un-

ONTARIO

was a long time resident of Mount Pherson has resigned his position as Minis: ter of Interior and has gone to England. THE PILORIMS.

Manitoha delegation is to receive an answer

The celebration of the Queen's birth lay has been postponed until the 28th, on account of the death of Prince Leopold. RAILWAY OPENING.

FORONTO, May, 20-Outario and Quebec Railway is to be opened July 1st, with great celebration. NEW ELECTRICITY,

The Bankers and Merchants telegraph company of Canada recently formed will probably combine with the C. P. R.

UNITED STATES.

FLURRY OVER. NEW YORK, May 20 -The Wall Street flurry which amounted a most to a panic hes quieted and all danger is now over. The market is still very unsettled. The Ameri. can stock and grain market is also unsettled

ENGLAND.

the pen of an Irving or a Scott could LONDON, May 20.—The British Govern-ment are willing to spend any amount of money to make terms with El Mahdi. do justice to the picturesque beauty of the landscape along the Elbow.

-THE-

Milwankee

And St. Paul

RAILWAY

situation "from the settlers point of view". An account of our jaunt S

ST. PAUL AND MINNEAPOLIS Via La Crosse and Milwaukee to

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