FOR SAVING GOLD.

MacArthur-Forrest Process for Freating Refractory Ores with Cyanide of Potassium.

at Success of the Method in Africa -Experiments with British Columbia Ores.

r. Colquhoun, who has been past few days at the Hotel Victoria interviewed by a Coloxist reporter rday, regarding the new proc

the Gold & Silver Recovery Syndicate, the Gold & Silver Recovery Syndicate, lasgow, to visit the principal mining ps of Canada, and report on the suitary of the various ores mined thereat, for tment by the McArthur-Forrest pro-I have with me a complete plant for erimenting on quantities up to one ton se ores with which I may be provided, we no doubt but that any improvements as treatment of your ores, such as cheapthorough extraction by an easily ked process, would be quite as much to radvantage as our own.

radvantage as our own.

Gold ores may be broadly divided into classes, those which yield up their gold rely or nearly so to treatment with meror otherwise, and those from can either not be extracted at all, or in such a partial manner as to give no somical commercial results. For every very miner knows, there are twenty or ty tons of ore of such refractory nature in the present state of the science of treatment they have to be reje eless, although they often show a very

ons.

In carrying out the process in practice
irst characteristic is its extreme simity. The method of working most genly applicable is as follows: The ores lverized, according to circumstances, noness of 40 to 60 mesh, and are then n has been dissolved, the chemical action againsted by tritutation or pescalation. hours in the vats is generally found icient to extract the gold and silver. I mases is then transferred to large oden tanks, the solutions are allowed to the and are drawn off. The gold and silver are transferred in these solutions are precipilated in these solutions are precipilated. contained in these solutions are precipied by passing them through sinc. This tation process is also protected by no calcination or reasting is uired the whole machinery consists of shers, which may be either stamps or the few tubs before mentioned and the few tubs before ut the same as that for a plain stamp l with copper plates. This cost, under mary local circumstances, should in a capable of treating 50 tons per day, exceed \$30,000, everything included. ,000 in a 50 ton stamp mill as referred

nide process in South Africa, and the re-t has been so good that it is looked upon the only successful method of treating re-ctory ores. The African company began buying 10,000 tons of tailings from the shinson mine and 9,000 tons from the eba mine, all of which they treated satisorily, leaving a handsome profit to the racting company. Since this they have the enormous strides, and are now extractg several thousand ounces of gold per onth, which is a large proportion of the tal gold produced in the Transvaal. The mpany have more recently made contracts the the Meyer & Charlton, the Nigel and abilee mines to buy from them 80,000 to 0,000 tons of tailings, and they are now eating from 5,000 to 6,000 tons per month. he Robinson, Salisbury, Woroster, Ferira, Nigel, Jubilee and many other mines a now working the process themselves on e now working the process themselves on yalties, which is a direct proof that they unsider the cyanide process the chespest ad most successful. It is a well known of that the Robinson mine has added an at that the Robinson mine has added an ditional 1,500 ounces to their output of old per month, and the Nigel 2,000 ounces. hat such results should have been attained a less than nine months working speaks olumes for the process, and the shares of he African Company are already at a big

"Estimated cost of treating one ton of ore, ushing, stirring ore in vate, etc., \$1.50; ranide of Potassium, \$3.50; total, \$5.00. yanide of Potassium, \$3 50; total, \$5.00.
"The cost of crushing, etc., is obviously
ut high so as to be on the safe
ide, and with regard to the quantity
f cyanide, experience has demonstrated
hat very many ores will not consume
early a much as stated above. In Africa,
he cost of treatment on a large scale has
een as low as \$2 50 per ton, which is exeadingly moderate, the profits that can be
ealized on a basis of expense of \$5 per ton
or treatment are considerable. The adantages of the McArthur-Forrest over
hose in use for the treatment of refractory
res, such, for instance, as the chlorination
process, are:

rocess, are:
1. The cheapness for which it car be ked, as already shown.

 No roasting.
 No fuel or mercury is required. 4. No smelting or fluxes are necessary.
5. A large percentage of silver is extracted at the same time, and without any extra expense, and is obtained with but same time are little actual above.

ery little extra labor. 6. The machinery necessary is very

simple and cheap.

7. Small amount of power and water re

8. Economy in time, six hours being the asual time allowed for decomposition.

9. Ores containing lead, tin or earthy parbonates may be worked profitably bearbonates.

this process.

"I am leaving for Golden, where I shall be glad to give personal attention to any samples sent from gold prospectors, free of cost. Those interested in mines here need not go so far afield as Africa for a proof of results.

from this process. The following summary will be of interest."

From the DAILY COLONIST August 25. THE CITY.

Grain For Vancouver. Brackman & Ker yesterday shipped two

There was nothing doing in the courts esterday; not even a solitary Chambers pplication coming up to relieve the solitare. It looks as though the lawyers were tast beginning to take in fact the vacation hey have been "enjoying" in name.

Practically a Holiday

Church of England Notes.

The Diocesan Magazine announces that it as been decided not to proceed with the ailding of the Oak Bay church until the building of the Oak Bay church until the district to be benefitted is a little more thick-ly populated. Several churches are to be consecrated next month and the Bishop will also consecrate the Church of England porion of Ross Bay cemetery.

Usefut Work.

About the last work done by Mr. Gordon Hunter, now Crown Prosecutor, during his connection with the Law society, was the compilation of a complete 124 page catalogue of the library, with an index of subjects and table of abbreviations. This valuable work has just been issued and in common phrase "fills the bill to a nicety."

A Welcome Meeting.

To-night, at the Salvation Army bar-racks, corner of Fort and Broad streets, there will be a grand welcome meeting to receive Lieut. Annie Davidson, the "musi-cal lieutenant." The meeting will be led by Staff Capt. Banks, and a large attend-ance is expected and hoped for. The full text of the interesting judgment delivered by Mr. Justice Crease in the case of Harper v. Cameron, has been type-written and makes something over 100 pages or about 30 000 words. The application to be made by Mr. Charles Wilson for a new trial will be heard before the Divisional Court

For the World's Fair. Samples of oats and wheat over six feet in height are being exhibited in the windows of the Brackman & Ker Milling Co. They are from the farms of Mr. Geo. Mc. Rae, Cedar Hill, and Price Bros., Parson's Bridge. The oats are of the Sharan variety, and are excellent milling oats. These samples will be sent, with others now being collected, to the World's Tair at Chi-

The Smallpox Situation. Below is Dr. Richardson's report for the

past 24 hours:

past 24 hours:

JUBILEE QUARANTINE STATION,
Midnight, Aug., 1892.
Number of cases in hospital August 2, 28.
Three patien s discharged well, W. Cody,
Mrs. Cha. ce and A. Ritchie.
No new cases.
No death; all doing well.
Total number of cases, 25.
(Signed) W. A. RICHARDSON, M. B.,
Res. Medical Officer.

The members of the Dominion House of Commons who arrived here Tuesday evening, spent the whole of yesterday in driving around the city and viewing the different and varied sights of interest. They were taken in charge by friends while here, and before leaving on this morning's boat for the Mainland en ronte to the east, expressed themselves as very much delighted with their visit. By the time they get back to Manitoba they expect the harvesting will be at its height and they will spend a week or two "doing" the southern portion of the Prairie Province. Belighted with their Visit.

An Indefinite By-Law.

The case of Geo. Leibes, charged with an infraction of the revenue by law, came up before Magistrate Macrae yesterday morning in the city police court. The specification was that the plaintiff had carried on the business of a dealer or trader in furs without a lidense. Mr. Belyea represented the defendant, and Mr. Eberts appeared for the prosecution. It was represented that the defendant was acting as an agent for H. Leibes & Co., of San Francisco, and that as he had only bought furs, and had not made any attempt at sales this could not constitute the fact of trading. Further it was urged that the amendment to the revenue by-law was so indefinitely worded that ne raling could be made under it. This amendment was framed to over this class amendment was framed to fover this class of cases, but seems to fail to state what by-law it was intended to amend. His Honor asked to have the matter discussed at length by the attorneys and set 2:30 p. m. to-day for hearing the arguments. Judgement was in the meantime reserved.

A Laugh in Every Line,

At The Victoria theatre, to-night, the much-talked-of farce comedy which is said to contain a "laugh in every line," will be presented for the first time here by Charlie Reed, Willie Collier, and their excellent company. The San Francisco Post of July 5, says: "No one ever received a heartier or more enthusiastic welcome on any stage in this city than was accorded Charlie Reed when he made his appearance at the California theatre, last evening. The house was packed, and by the majority of the audience Reed was looked upon as an old-time friend. His partner, Collier, was also warmly received. 'Hoss and Hoss' is termed a farce-comedy, and it is the liveliest and funniest one that has been seen here. Reed cannot help being funny, no matter what he undertakes. There is no plot, story, rhyme, or reason in 'Hoss and matter what he undertakes. There is no plot, story, rhyme, or reason in 'Hoes and Hoss.' It is simply made up of Indicrous situations, witty sayings, good singing, excellent dancing, and pretty girls. William Collier took the character of a Judge who, in the first act, was seriously henpecked by a shrewd wife (Miss Helen Reimer). He was very funny, and displays the true elements of comedy. Miss Reimer is really clever. Arthur Moulton, the Judge's son, is as clever as the stars, and is at all times bright and entertaining. Louise Allen dances well, and so does May Jordan, a petite blonde. James B. Gentry, who appeared as a hayseed sheriff, was laughable, sespecially in the court scene in the second act. The affair abounds with mechanical tricks, which are good. 'Hoss and Hoss' was well received by the audience, and is sure to have a prosperous season."

SPORTS AND PASTIMES.

Foulkes and Cuppage Furnish Good Sport at the Tennis Tournament.

Potter to Visit California - Juniors Play a Close Game of Lacrosse.

The spectators who graced the tennis tournament yesterday afternoon had their rich reward in a contest between Foulkea and Cuppage, which was spirited and close all the time it lasted—and that was over all the time it lasted—and that was over two hours. First Cuppage would gain, then Foulkes—advantage on either side being only momentary and the mythical bird of victory fluttering from one to other of the contestants with aggravating in decision. First Foulkes was the favorite; he took the first game. Cuppage secured the second, Foulkes the third, Cuppage the fourth and fifth, Foulkes the sixth and seventh—and the set.

In the second set, Cuppage took the two opening games. Foulkes the third and fourth, Cuppage the fifth, Foulkes making it three all, and his opponent running out the set.

MIXED DOUBLES.

Ward and Miss Davie beat Johnson and Miss Ward and Miss Davie beat Strickland and Mrs. Brameden.

LADIES' SINGLES. Miss Musgrave beat Miss Ward, and Mr. VETERANS' SINGLES. A. W. Jones beat Rev. Canon Beanlands 6-1, 6-5.

CRICKET.

NORTH V. SOUTH. A cricket match was played at North Sannich, on the 20th inst., between the local club and South Sannich, resulting in rather a severe defeat to the North club. The following are the scores:

North Saanich. D. John, i b w, b Mc
Lennan... 14
Breeds, b McLennan... 1 b McLennan...
Caven, b Mc. ennan... 3 b McLennan...
James, b McLennan... 6 runout.....
b Harrison... b Harrison... 0 b Harrison...
W. Wain, b Harrison... 0 b McLennan...
b Harrison... 0 b Harrison... 0 b Harrison... b Harrison..... c Erb. b Harriso b McLennan.... c Heard, b McLe

First Innings. Second Innings.

H Robinson, b Downey. 13 b Jas. John....

Erb, b Downey. 0 b Caven. 10 b Jas. John
Turgoose, lbw, b D'ney 0 c Caven. 1 Jas John
Record, b Downey 6 b Jas. John ...

McLennan, b Caven. 10 b Jas. John ...

Harrison, b Caven. 21 c Jos. John, b Jas.

P. Robinson.

b Caven.

W. Mitchell, c J. John,
b Downey.

Christmas, not out.

4 b Caven.

Extras. H M S WARSPITE V. DOCKYARD C. C. This match, played at the Canteen grounds, Esquimalt, was won by the Warspite by 24 runs on the first innings. The following is the score:

H.M.S. Warspite First Innings. Secon Strickland, b Goopel... 7 b McAnally... Perch, b McAnally... 0 b Wells...
Unatfield, b Goopel... 7 b Mc anally... 1 run out...
Chapman, b McAnally. 12 b Wells...
Under the control of the llayton, c McAnally,
Goepel. 15
Mitchell, c McAnally,
b Goepel. 15
Tyrer, b McAnally, 0
Cooper, b Goepel. 2
Somerville, not out 5 c McAnally,b Go

Royal Dockyard C. C. Ist Innings.

Burnett c Owens b
Thring...
Schofield b Owens...
Harding b Owens...
Harding b Owens...
Goepel b Owens....
Wake c and b Thring...
Clayards not out 2nd Innings Velis b Owens.

Beatley c Somerville b

Owens.

Mullington b Chatfield

Glen b Owens.

THE ALBIONS AT HOME.

THE ALBIONS AT HOME.

On Saturday of this week the Albions will play their first home match with an outside club, the senior eleven of the Westminsters being their formidable opponents. The crease, at Bascon Hill, is pronounced by veteran cricketers by far the best in the province, and arrangements are being made for entertaining the visitors right hospitable. Play will commence at 10:30 a. m., Mr. P. Schwengers acting as umpire and the heme eleven being constituted as below: E. A. Pauline, (Captain); W. H. Pegram, H. McAnally, J. L. Medway, H. J., Martin, G. A. Maltby, J. E. Martin, F. W. Thomas, F. G. Fowkes, H. F. Hewett and C. Schwengers.

PREPARING FOR SATURDAY The Victoria Lucrosse Club are practising hard for the match on Saturday, and aithough one or two of the team which played in the last match will be missed, a good selection will be made. Ditchburn will not be able to play, owing to sickness which has confined him to his room the past week, and will probably not have the pleasure of witnessing the game. His place on the team will not be easily filled. Several changes in the positions are contemplated, in order to make the play more effective.

The intermediates have also been prac-

tising hard, and are determined to retrieve lost honors. The double event on Saturday will furnish a good afternoon's sport, and no doubt many will avail themselves of the opportunity of witnessing good leaves.

bird of victory fluttering from one to other of the contestants with aggravating in decision. First Foulkes was the favorite; he took the first game. Cuppage secured the second, Foulkes the third, Cuppage the fourth and fifth, Foulkes the sixth and seventh—and the set.

In the second set, Cuppage took the two opening games, Foulkes the third and fourth, Cuppage the fifth, Foulkes making it three all, and his opponent running out the set.

The final set went to Foulkes, who took the first, third, fifth, sixth, ninth and tenth games, wimning the match, 6.5, 3.6, 6.4.

The play—in the doubles was rather tame, the Longes, though their work was far from perfect, being much too strong for their opponents.

A summary of the day's playing is given below:

OPEN SINGLES.

Longe (A. B.) beat Hayes, 6.5, 3-6, 6-4.

Foulkes beat Coombe, 8.2, 6-4.

OPEN DUBLES.

Longe brothers beat MacPherson and Springett, 6-3, 6-4, 6-1.

Ward and Mirs Davie heat Johnson and Miss.

Ward and Mirs Davie heat Johnson and Miss.

Figure 1.

The Calgary polo team, who have travelled westward hundreds of miles over prairie and mountain for the sole and express purpose of playing the Victoria club, arrived with their ponies—strong, close-kiti little brutes—by last night's Yosemite. Both went and mounts are well and in condition to make the match to-day a close and express purpose of playing the Victoria club, arrived with their ponies—strong, close-kiti little brutes—by last night's Yosemite. Both with their ponies artong, close-kiti little brutes—by last night's Yosemite. Both with their ponies artong, close-kiti little brutes—by last night's Yosemite. Both with their ponies artong, close-kiti little brutes—by last night's Yosemite. Both with their ponies artong, close-kiti little brutes—by last night's Yosemite. Both with their ponies artong, close-kiti little brutes—by last night's Yosemite. Both with their ponies artong, close-kiti little brutes—by last night's Yosemite. Both with their ponies artong, close-kiti little brutes—by last night's Yo

cate for \$500,000. The details of the sale are not known yet, but it is said the Chicago owners propose in future to bring to the track the best horses in the world. It is well known here that the track has made a fortune for its three principal stockholders.

NANAIMO, B. C., Aug. 24, (Special).—
The whist cournament of St. Paul's institute opens to-morrow evening. Many expert players will take part, and valuable
prizes are offered.

buildings, and work is to be commenced Section of the resolution be struck out.

ALD. BAKER—If the Terra Cotta com immediately, and rushed forward as fast as pany have a bill against the corporation possible. There are certain conditions to they can collect it. The commissioners should have sufficient funds to meet all

possible. There are certain conditions to be complied with before the contract is signed, and should these be satisfactorily arranged, as will probably be the case, the name of the successful tenderer, with other particulars, will then be announced.

A great portion of the new machinery required, all of which has been ordered, will be here in about 10 days, and soon atterwards the building will be far enough advanced to enable it to be but in. The president of the company, Hon. D. W. Higgins, says he is confident that by a month at the outside the cars and lights will again be going.

The arbitrators and adjusters, who have been settling up the claims under the various insurance policies, concluded their labors yesterday. The face value of the policies was \$54,000, and the company receives \$53,000 in cash and all the machinery, etc., which is classed as salvage. The arbitrators and all the machinery, etc., which is classed as salvage. The settlement has been very astisfactorily accomplished. Mr. Thomas, of the Pacific Insurance Union, saced as a salvage. The arbitrators and many the company receives \$53,000 in cash and all the machinery, etc., which is classed as salvage. The arbitrators and many contractors are company for the lineurance company for the language of the policies was \$54,000, and the company received the company (and the company received the company (and the company received the company received the company received the company required the company received th

dances well, and so does May Jordan, spetite blonde. James B. Gentry, who appeared as a hayseed sheriff, was laughably. J. L. Mactin, G. A. Maltby, J. E. Martin, G. Maltby, J. E. Martin, G. A. Maltby, J. E. Martin, G. Maltby, J. E. Martin, E. Martin, G. Maltby, J. E. Martin, J. Martin, G. Maltby, J. Martin, G. Maltby, J. E. Martin, J. Martin, J.

THE CITY COUNCIL,

cial Ways and Means Disc in Committee of the

Offers of Resignation-How to Rais Funds-Stormy Discussions-No Conclusions.

The City Council held its regular weekly weekly meeting, last night. There were present His Worship the Mayor, Ald. Mc Killican, Styles, Hunter, Lovell, Baker, Munn, Bragg, Hall and Humber.

The minutes of the previous meeting of the Council were read and adopted.

ALD. MCKILLICAN, seconded by Ald. HIS WORSHIP-The defeat of the Sewer age by-law makes it necessary to take some

action in the matter. I think it would be a will not be liable for any expenses incurred beyond the sum now in hand for the pur-pose. The other matter is that of the sewerage contractor; two letters have been received from him, neither of which have

ject.

ALD. McKillican—The contractor has a bond of \$15,000, and will put up \$20,000 cash and, if necessary, will put up \$20,000 more to guarantee that all will be in good

A. E. RAND, Secretary. Hall, PROF. E. ODLUM, CR. BETTS, D. S. CURTIS.

order that he may know what to do with his plant.

ALD LOVELL—I think it would be unfair to keep Mr. McBean here when we have no funds to carry on the work.

A heated discussion then arose as to what was before the house, and on motion the subject was deferred for one week.

His WORSHIP—The by-law for the purpose of the Board of Health was defeated. Our expenses at present are from \$125 to \$130 per day, we owe \$12,000 to \$15,000, and the liabilities must be liquidated. There are several means by which this can be done. The assessment roll cannot be depended upon for more than \$200,000. Money must be had either by dropping appropriations or otherwise. The council should not desert the ship. TALK OF RESIGNATION.

ALD. BAKER—We should resign as a body. Our by-laws have been defeated and the people seem to have no confidence in us. We may consistently say that we should go again before the ratepsyers and see if they meant to express any doubt of us.

ALD. HUNTER—I for one will not resign. Let us fight it out on this line if it takes all winter. I don't see how we can raise the funds but, perhaps, Ald. Lovell can suggest something.

something.

ALD. LOVELL—It is no fault of the Council that the by-laws were defeated. As the COLONIST said, they were snowed under. Let us fall back on the Government. Let the sheriff be called in and give the people the sneril be called in and give the people a taste of their own medicine.

ALD BAKER—The by-laws were not properly advertised. There was no notice in the morning papers, and many ratepayers did not know when the voting was to take

place, this was wrong. As to opposing the by-law, I did oppose some of tnem, and I am prond that they were defeated.

ALD. HUMBER—It is ways and means we

when presided wear the well the secondary Herrichysta rules, will commence it 3 o'clock sharp, and it is expected with the commence it 3 o'clock sharp, and it is expected with the commence it is not a reference. The presumed of the wears go contractor; two letters have been shartly of time. Dr. Paarson has been seen the state of time. Dr. Paarson has been seen as unifore and Mr. N. P. Souwden with the commence of the commence

The Rome correspondent of the London Daily News, says that the Pope will raise to the cardinalate Archbishop Vaughan, Arch-bishop Walsh and Bishop MacDonnell.

REV. R. WHITTINGTON, REV. JOSEPH HALL, PROF. E. ODLUM, C. G. MAJOR, REV. J.

THE CARIBOO ELECTION.

Incertain Yet Whether Dr. Watt or Mr. Morrison Has a Majority.

The Closest Contest Ever Known in the "Golden District of the Province."

Alexandria, Snowshoe, Keithley and th

Forks.

What the result in these polling places will be is uncertain. During the Dominion election Dr. Watt had 39 of a majority without the last-named places, but with their vote in Mr. Barnard was elected by a majority of 29, the vote standing 223 to 194. Further returns are awaited with interest, yet the contest has not been considered a particularly important one, inasmuch as both candidates are pledged to support the policy of the administration.

The latest advices received from Cariboo last night make it somewhat uncertain whether Dr. Watt or Mr. Morrison is elected to the Legislature to fill the vacancy caused by the death of the late. Hon. John Robson.

Publishers Defrauded.

NEW YORK, Aug. 24.—Street & Smith, publishers of the New York Weekly, have been defrauded out of nearly \$20,000 by tampering with their books by \$1fred J. Price, their bookkeeper and cashier, who was arrested this afternoon.

The 150-mile House gave Dr. Watt a majority of four.

At Soda Creek the majority was eight for Mr. Morrison.

At Quesnelle Forks the vote resulted in a tie.

At Stanley, Dr. Watt was five ahead, while Barkerville gave two against him.

The above summary of results gives Dr. Watt a majority of three votes with six places yet to hear from, viz.: Chilcotin (2),

E. G. PRIOR & CO.

Importers of Iron, Hardware, Agricultural Machin-

ery and Vehicles of All Kinds.

Sole Agents for the Planet, Jr., Farm and Garden Implements. WAREHOUSES AT VICTORIA AND KAMLOOPS.



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elements of PRIME BEEF

JOHNSTON'S FLUID BEEF.

It is a valuable FOOD for the SIOK-an invigorating and stimulating beverage. Nutritious, palatable and easily digested.

Come Early and Avoid the Rush.

GET THE

CHILDREN'S SCHOOL SHOES

A. B. ERSKINE'S

CORNER GOVERNMENT AND JOHNSON STS.

LEA & PERRINS'

SAUCE

The ORIGINAL and Genuine WORCESTERSHIRE SAUCE

bears the Signature, thus:-Lea Gerrins

RETAIL EVERYWHERE.

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1a15-1y-w

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Plans lithographed on shortest notice—all sizes, from miniatures to 2x3 ft. First-class work at reasonable prices.

Propose organizing a joint stock company, issuing a new map or plan of any kind, or if you want anything engraved, from a visiting card up,

WRITE

For samples and prices.

THE COLONIST,

VICTORIA, B. C.