Bishop of St. John's, Nfld.,

Says They Do

Cheap New Process for Treating Low-Grade Copper-Gold Ores of British Columbia.

PROFITS IN MINING OF GOLD.

tion.
Comparison with smelter test:
Returns by smelter
treatment\$60 per ton of 2000 lbs.
Returns by "Beam"
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**Returns by "Beam"
**Returns by "Beam"

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t		Asked.	Bid.	cell
3	Alice A	23	20	and
2	Ummuno'	7	6	plan
1			70	The
3	Hammond Reef	90	351/2	ing
e	Coldon Star	99	521/2	and
	J. O. 41	81/2	73/4	12,0
e	Olive	90	80	Nor
1	Saw Bill	36	321/2	that
•	Superior G. & Copper	7	6	com
,	Continol	181/2	16	Mik
	Cariboo Minnehaha	140	135	shar
	Minnohoho	26	241/2	fori
i	Waterloo	10	9	the
	Tin Horn	91/2	8%	new
5	Cariboo Hydraulic		138	pare
t	Cariboo Hydraune	3%	31/2	the
	Smuggler	111	107	Hyd
24	Knob Hill	95	90	eclip
5	Rhoo Hill	7	6	min
	Rathmullen Brandon & G. C	29	25	son
t	Brandon & G. C			gres
ř	Morrison Winnipeg	2014	29	hav
1	Winnipeg	43	40	thin
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8	Dardanelles		13	son.
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	Rambler-Cariboo	6	4	inve
,	Two Friends	12 00 2	7 000	Ran
	Crow's Nest Coal	105	1321/2	seve
h	Republic			was
	Van Anda		221/2	but
3	Big Three			grea
	Commander	10	6	trol
	Deer Park		5	np
1	Evening Star	11	10	succ
	Iron Colt	121/2	111/2	mag
	Iron Horse	14	13	glad
t	Iron Mask	14	***	tin,
8	Montreal Gold Fields	22		und
	Monte Cristo Con	12	111/2	sect
-	Northern Belle	4	31/2	plet
3	Novelty	41/4		of
t	St. Paul	3	21/2	elec
e		4	3	no
2	St. Elmo	61/2	5	vest
9	Virginia	25		mer
000	And the American Albert for more than	QTA	PERSONAL PROPERTY.	100 miles (1977)

To-day's quotations were :

The above difference is not due, to the "Beam" treatment being able to make gold by any means but simply to the fact that it prepares the ore so that the greater part of the gold can be reclaimed. Some ores either lose values by voiatilization, or else it is in such a chemical condition as to stay in the slag. This conversion by the "Beam process" prevents either condition. It is a common occurrence in desulphurizations	Big Three 29
make gold by any means but simply to the	Big Three
fact that it prepares the ore so that the	Canadian G. F. S 7 5½ Commander 10
Some ores either lose values by voiatiliza-	Deer Park 7 4%
tion, or else it is in such a chemical condi-	Evening Star 11½ 10
tion as to stay in the siag. This conversion	Montreal Gold Fields 20 18
by the Beam process between the destination. It is a common occurrence in desulphurizing an ore to have quite a loss in values with the sulphur that is consumed or volatilized. Few ores, however, will sustain any loss or shrinkage, or volatilization, or otherwise (except what is lost in handing or mechanical loss), because when converting by the 'Beam process' it is seldom necessary to have over 400 degrees of heat Fahrenhelt, but while desulphurizing by old processes it requires from 800 to 1600 degrees F. and a great deal longer time. In converting ore containing copper the copper can be saved as a by-product, when it is desired to do so. This process has the advantage of recovering from the ore not only the gold but also the silver, copper, zinc, arsenic, etc.	Monte Cristo 12 10¼ Northern Belle 4 3¼
It is a common occurrence in desulphuriz-	Novelty 5 81/4
ing an ore to have quite a loss in values	St. Elmo 7 5
with the supplier that is consumed of	St. Paul 4 2½ Victory Triumph 9 7
tain any loss or shrinkage, or volatilization,	Victory Triumph 9 7
or otherwise (except what is lost in handl-	Victory Triumph 9 7 White Bear 5 Boundary Creek and Kettle River—
ing or mechanical loss), because when con-	Rathmullen 8 61/2
percentage by the Beam process it is seldon	Rathmullen
Fahrenheit, but while desulphurizing by	Morrison 18½ 15
old processes it requires from 800 to 1600	Pathfinder 13½
degrees F. and a great deal longer time.	Winnipeg
per can be saved as a by-product, when it	Nelson and Slocan—
is desired to do so. This process has the	Athabasca
advantage of recovering from the ore not	Dundee
only the gold but also the silver, copper,	Noble Five 311/2
The gold is separated in the free or metal-	Rambler Cariboo 331/2
zinc, arsenic, etc. The gold is separated in the free or metallic state, silver is separated either as a sulphide or chloride, copper as a sulphate, and zinc and arsenic are separate in soluble forms. The extraction of the baser metals	Wonderful 8½ Fairview Camp—
sulphide or chloride, copper as a sulphate,	Fairview Camp— Fairview Corp
forms. The extraction of the baser metals	Smuggler 334 314
tends to cheapen the process and adds ma-	Camp McKinney-
terially to its value. The amount produced	Minnehaha 271/2 22
by the extraction of these baser metals	Waterloo 10½ 8½ "East Kootenay"—
The expense of the furnace is less than a	Derby (Swansea Cop. Mine) 15
good stamp mill, and it does the work far	Ontario—
more completely and effectually.	Alice A 23% 22
As an example of the merits of this	Alice A
forms. The extraction of the baser metals tends to cheapen the process and adds materially to its value. The amount produced by the extraction of these baser metals may more than pay the cost of treatment. The expense of the furnace is less than a good stamp mill, and it does the work far more completely and effectually. As an example of the merits of this method of treating ores, the writer would refer to one test of a parcel of 11 tons of sulphide ore containing lead-zinc, copper, arsenic and antimony, from the London Mine, Park, Colorado. This test is only an exemplication of what is now being done every day at the works of Professor Beam: Value as given by the public sampler,	Bullion 8 61/2 Empress 8 61/2 Golden Star 55 531/4 J. O. 41 81/2 81/4
sulphide ore containing lead- zinc, copper,	Golden Star 8½ 8½
arsenic and antimony, from the London	Olive
Mine, Park, Colorado. This test is only	Saw Bill 87
every day at the works of Professor Beam:	Toronto and Western210 195
Value as given by the public sampler,	Miscellaneous—
gold \$9.60 per ton. Recovered by the "Beam process," gold	Miscellaneous
\$12.90 per ton	Gold Hills 234 2
To the sceptic, the fact of a process work-	Deer Trail No. 2 26
To the sceptic, the fact of a process working quickly at the present moment and demonstrating its ability to recover so much more gold (33 per cent.) to the ton	
demonstrating its ability to recover so	Sentinel 17
than indicated by the orginary are assay.	Sales: Alice A., 500, 500, 500 at 22. Em-
is an anomaly, and directly inconsistent	Sales: Alice A., 500, 500, 500 at 22. Empress, 500 at 6½. Golden Star, 100 at 54, 500, 500 at 53¼. J. O. 41, 500, 500 at 8¼. Van Anda, 500 at 7.
with all the rules of metallurgy.	700, 500 at 53%. J. O. 11, 550, 555 at 5,41
But such is the case. It is well known	Van Anda, ooo at 17
method of fire assaying is most unsatisfac-	The Montreal Exchange.
much more gold (33 per cent.) to the ton than indicated by the ordinary are assay, is an anomaly, and directly inconsistent with all the rules of metallurgy. But such is the case. It is well known amongst metallurgists that the present method of fire assaying is most unsatisfactory, especially for sapplide pres, the values being lost by volatilization, while by the "Beam process" there is no loss. The full significance of this will be understood by the hard working prospector who plods away year in and year out in the fond, but too often delusive, hope of "striking it rich," as well as by the capitallist. In one district of British Columbia—the "Fire Mountain" section of New Westminster—the writer knows of fully 3000 docations, the majority of watch present indications of mineral richness in a varying degree, and not one of them in active	Montreal, May 13.—(Special.)—The closing prices on the Mining Exchange were:
being lost by volatilization, while by the	prices on the Mining Exchange were :
significance of this will be understood by	Ask, Bld.
the hard working prospector who plods	Payne 400 392 War Eagle 375 370 Republic 123 18114 Virtue 76 70
away year in and year out in the fond, but	War Eagle
too often delusive, hope of "striking it	Virtue 76 70
In one district of British Columbia—the	Montreal & London 67 65
"Fire Mountain" section of New West-	Big Three 24 23 Brandon & Golden Crown 30 20
minster—the writer knows of fully 3000	Brandon & Golden Crown 30 20 Signature 8 51/2
indications of mineral richness in a vary	Canadian Gold Fields Syn 6 5
ing degree, and not one of them in active	Cariboo Hydraulic 144 138
operation, owing to cost of transportation	City of Paris 66 64
and smelter treatment. From the writer's	Evening Star 11 10
British Columbia many of these ciaims	Fern
could be converted into paying propositions	Gold Hills Dev 10 5 11½
in a very short time, providing they had	27/2
indications of mineral richness in a vary ing degree, and not one of them in active operation, owing to cost of transportation and smelter treatment. From the writer's knowledge of this particular section of British Columbia, many of these calms could be converted into paying propositions in a very short time, providing they had the advantage of such a process as herein described.	
Machel - Ded.	Cook's Cotton Root Compound
Profits in Mining.	
A great deal has been written of the colossal fortunes made in mining and the money that has been lost in trying to make	10.000 Ladies. Safe, effectual. Ladies ask
money that has been lost in trying to make	210,000 Ladies. Safe, effectual. Ladies ask your druggist for Cock's Cotton Root Company Take no other as all Mixtures, pills and

Montreal, May 13.—(Special prices on the Mining Exchai	nge wer	e:
	Ask.	Bid.
Payne	. 400	392
War Eagle		370
Republic		181
Virtue		70
Montreal & London		65
Big Three		23
Brandon & Golden Crown	. 30	20
California		5
Canadian Gold Fields Syn.,		
Cariboo Hydraulic		138
City of Paris		64
		10
Evening Star		
Fern		5
Gold Hills Dev		11
Iron Colt	. 10	11

Cook's Cotton Root Compound

LABATT'S INDIA PALE ALE.

NEW BREWINGS.

At this time of the year everyone needs something to create and maintain strength for the daily round of duties. Try these pure Malt Beverages made from specially selected new grain and hops, the best obtainable for years, uniting the strength of the best Malt Extracts with the palatableness of a fine Ale.

ASK YOUR MERCHANT FOR THE NEW BREWINGS. Toronto Branch, 49 Elm Street.

nob Hill 9	5
lonte Cristo 1	21/2
oble Five 3	11/20
ovelty	6
ld Ironsides 11	
irginia 2 ambler Cariboo 4	
ummit	
t. Elmo 1	
ecca 2	71/2
forrison 1 olden Star 5	
locan Star 3	01/2
	1041 40

Sales: War Eagle, 100 at 370½, 100 at 371, 1500 at 371; Montreal & London, 60 at 65½, 500 at 66½; Big Three, 300 at 23; Iron Colt, 1000 at 12; Novelty, 1000 at 4; Virginia, 500 at 21; Golden Star, 500 at 52.

share) and been declared on that date and what share) and been adeclared on the 18th inst. Such announcements regarding any stock are altanonouncements regarding any stock are altanonounced and the state of the future will bring many dividend that the the future of the deception carried that Sishop well on the section of the altanonounce and future and the future of the deception carried that Sishop well was affect to five the following and the fed contract was failsfied. It was flet deception carried that Sishop well and the response once in the deception carried that Sishop well and the response once in the profession on the bargin under any pressure.

A New Face on It Now.

But the recent famous despatch of Mr. The morthwest corner of Rose Township, and the responsible dovernor McCallium, who has lately succeeded Governor McCallium, who has lately succeeded Governor McCallium, who has lately succeeded Governor McCallium, who has lately s

A NOBLE SCAVENGER.

Arthur Fitzharding Wanklyn, London Crossing Sweeper, Claims the Barldom of Berkeley.

London, May 14.-A crippled crossing sveeper, named Arthur Fitzharding Wanklyn, has entered a claim to the Earl-Wanklyn, has entered a claim to the Earldom of Berkeley, based upon the fact that
his grandfather, Thomas Morton Fitzharding, the legally acknowledged heir, refused
to accept the title for family reasons.
The claimant is 40 years of age and worked in the mines in South Wales in his
youth, later making a precarious livelihood
in London. The case depends to a great
extent on the finding of a solicitor who
holds family papers.

TO GIVE DEWEY A HOME. Residence in Washington to Re Provided for Montojo's

Conqueror.

to All-Write for It-Is Odorless,

New York, May 13.—Assistant Secretary of the Treasury Frank A. Vanderlip has consented to act as chairman of a national committee to provide a residence in Washington for Admiral Dewey. The matter has been taken up vigorously by The matter has considered to act as chairman of a national committee to provide a residence in Washington for Admiral Dewey. The matter has been taken up vigorously by The has been taken up vigorously the has

Patriotic Demonstration in the Queen's Park on Saturday Afternoon.

DECORATION OF THE MONUMENT.

Rev. Dr. Howley, the Roman Catholic

The assemblage of the thousands of people was a grand tribute to those who fell in the service of Canada, and the bright sun that shone overhead looked more than ordinarily proud that it was allowed to shine on such a gatherine.

dandelions. There was some distinctive mark with each school corps, and they were all there.

The boys from the High School looked smart in their saucy forage caps, and the lads from Upper Canada College had the appearance of thorough soldiers in their natty rifleman uniform. Her Majesty's Army and Navy Veterans were out in force to give their patronage and cordial warranty to the proceedings, and so were many of the Veterans of '66. Those who were in the Battleford column also turned out in numbers and never before was a decoration in Toronto so grandly performed as was that of Saturday.

Aspects of the Procession.

Aspects of the Procession.

Following the armed school boy brigade were the Upper Canada College cadets and the cadets from the High Schools. They looked just as good as any soldiers in the proceedings. The Royal Canadian Dragoons were mounted on their pretty steeds and were a grand feature in the procession. That body of men is the most spectacular military force that ever took part in soldierly Toronto's demonstrations. The Governor-General's Body Guard was out on foot, but it looked nice and marched well.

The Veterans who were at Batoche with

well.

The Veterans who were at Batoche with the Grenadiers and other regiments turned out almost to a man, proudly wearing the medal which they earned, and they made a display that was continuously cheered from the Armouries up to the park.

The Children's Tribute.

Newfoundlanders at all. This fide is not injurious to the true cause as a linguitous to the true cause of mions as all from the Armouries up to the park.

Bishop Will Visit Ottawa.

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Bishop Will Visit Ottawa.

Bishop Howley will call at Ottawa on the Cally Indicate the Monthala of Visit Ottawa.

Bishop Howley will call at Ottawa on the Monthala ware provided principally the chead were particular of decorate the monument and memory provided principally the school children, who were paticular of the Michigan of Mill Will Indicate the Monthala of Visit Ottawa.

Bishop Howley will call at Ottawa.

There were some beautiful flowers from the Armouries up to the dead were provided principally the chool of Mill Visit Ottawa.

Bishop Howley will call the Armouries up to decorate the monument and memory provided principally the chool of Cally Indiana and the Mill Visit Ottawa.

Bishop Howley will call the Mill Visit Ottawa.

The Had Damaged Others and Tried to King

Astonishing Effects of a New and Remarkable Remedy That Antidotes the Taste and Craving for Pipe, Cigarette, Cigar or Plug.

A Free Trial Treatment is Mailed to All-Write for Life S Odorless.

Choice Oratory.

Speeches were in order, and Major Manley, the executive head of the Batoche Association, called upon many prominent people. Those who made good speeches and tried to make their voices heard above the wind and the hum of the great multitude were: Hon G W Ross, Major Helliwell, 15th Battalion; Col Wilks, formerly 90th Battalion, but now 38; Col Mason R G, Ald Davies and Mayor Shaw.

His Excellency's Comrades.

Morrison, Golden Star, Van Anda, Gold Hills, Victory-Triumph and Dardanelles.

Special offerings for to-day in Northern Belle, Alice A., Golden Star, Morrison, Deer Park and Van Anda. We buy or sell all standard stocks on commission.

Write, wire or telephone for quotations. All correspondence promptly answered.

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WAR CLOUD

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he Only Mining Company Issuing Monthly Statements To All Stockh H. R. MANN, Secretary, 801 Riverside-Avenue, Spokane, Wash.

Copper is Advancing

Three-fourths of the first

Derby Mining Company taken up. The next issue will

per share. If you want to get in on the ground floor in the great

be sold at an advance of 5 cents

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(Member of Toronto Stock Exchange.) Stocks bought and sold on Toronto, New York and Montreal Stock Exchanges. Also-Chicago business and mining shares trans-acted. Phone 316. 23 COLBORNE-STREET, TORONTO.

WORK ON HORNBLENDE,

Development Work.

Montreal, May 14.—(Special.)—A contract has just been given out for a good amount of development work on the Hornblende,

IS THERE ANY LOVE IN IT? ixteen-Year-Old Austrian Princess Betrothed to a Man Twice Her Age.

Recommended For

Investment

Golden Star Toronto and Western

Knob Hill Winnipeg Morrison

Dardanelles **Noble Five** Rambler-Cariboo

Cariboo-Hydraulic Van Anda Lone Pine

Jim Blaine Insurgent Deer Trail No. 2

Mitchell, Wallace & Co. Phone 458. 75 Yonge St., Janes Building. Members Mining Section Board of Trade

FOR SALE. BOLD HILLS

M. D. BOYD Phone 8079. 71 YONGE STREET.

(Member Standard Mining Exchange). Golden Star, Dardanelles, Smuggler, Northern Belle, At close prices. Buying and selling orders executed promptly on the board.

J. HOBSON.

A Contract Given in Montreal That Magee & Co.

MINING STOCKS

10 King Street East (Members Standard Mining Ex.

Parker & Co., Wm. Postlethwalte. Geo. C. Parker.

Mining and Investment Brokers. Official Brokers Telford-Yukon Mining Co., Limited.

Members Toronto Mining and Industrial Exchange. Wire or Write Orders. Telephone 1001.

61 Victoria St., Toronto.

Bought and sold on Commission on the Vienna, May 14.—It is said in court circles here that Princess Elizabeth, the 16-year-old daughter of the late Crown Prince Rudolph, is bethrothed to Archduke Franz Ferdinand, heir apparent, 20 years her

Chicago Futures

our—Ontario pat); straight roller an patents, \$3.90 \$3.60 to \$3.70. Buckwheat-Firm;

Wheat, white, bus
red, bush
fife, sprins
goose, bus
Barley, bush
Peas, bush
Oats, bush
Buckwheat, bush

Buckwheat, bush
Jeeds—
Red clover, bush
White clover seed
Alslke, choice to
"good, No.
"good, No.
Timothy, bush
Beans, white, busl
Hay and Straw
Hay, timothy, per
Hay, clover, per
Straw, sheaf, per
Straw, loose, per
Dairy Products
Butter, lb, roils. Butter, lb. rolls... Butter, large rolls Eggs, new laid ... Fresh Ments— Beef, forequarters
Beef, hindquarter
Lamb, yearling, I
Lamb, spring, ea
Mutton, carease, veal, carease, cw
Hogs, dressed, lia
Hogs, dressed, he

Poultry— Chickens, per pai Turkeys, per lb. Fruits and Vege
Apples, per bbl.
Cabbage, per doz
Onlons, per bag.
Beets, per bag.
Potatoes, per bag
Turnips, per bag
Parsnips, per ba FARM PRODU

Hay, baled, car I Straw, baled, car l ton.

Potatoes, car lots,
Butter, choice, tul

medium, tu
dairy, lb. n
large rolls
creamery,
Eggs, choice, new
Honey, per lb...
Hogs, dressed, car

Price list, revised & Sons, No. 111 ronto:
Hides, No. 1 green No. 2 green No. 2 green No. 3 green v. No. 3 gree No. 3 green
cured
Calfskins, No. 1
Calfskins, No. 2
Sheepskins, fresh
Lambskins, each
Wool, fleece ...
Wool, unwashed f
Wool, pulled, supe
Tallow, rough ...
Tallow, rendered

Britis Liverpool, May
No. 1 Northern, si
6s 3d to 6s 4d; re
new, 3s 6½d; old,
pork, prime western, 26s;
tallow, Australlan,
to fine, 22s; bacon,
l.c., light, 28s 6d;
heavy, 27s 6d; che
50s.