## THE CANADIAN MONETARY TIMES AND INSURANCE CHRONICLE

MARINE INSURANCE. - The Cleveland Plain-maler, of a late date, has the following article

after, of a insurance : "With the desire to improve legitimate inderwriting on our inland waters, made worthless through the efforts of the 'Colum-ian Marine Insurance Company,' seconded by ther companies, the officials of thirty-six com-the officials of thirty-six com-and the officials of thirty-six com-the officials of thirty-six com-and the officials of thirty-six com-the official of the officials of the second of the second of the second of the official of the second of the sec underwriting on our inland waters, mane worthless through the efforts of the 'Colum-bian Marine Insurance Company,' seconded by other companies, the officials of thirty-six com-panies consummated an organization for the purpose of protection to the capital so impor-tant to lake commerce, and adopted a tariff that experience had taught was only fair and just to both parties. A uniform tariff it was soon ascertained distributed the business, and companies who heretofore had controlled a large share of it, by reason of accepting risks at less rates than others would, were dissatisfied with the proportion they found they could con-trol, when competing at even rates, and ac-cordingly ignored their pledges. The result of such faithlessness has been the immediate re-duction of rates to a point so low that seekers for insurance may well hesitate before taking certificates of any company that dares take such an extreme course. Companies are writing on ordinary B 1 vessels from Milwaukee to Cleveland at the absurd rate of  $\frac{1}{2}$  per cent. The entire gross premium for assuming the lia-bility of \$30,000, with all its attendant dan-gers, is seventy-five dollars. Deduct commis-sions, taxes and expenses, say twenty-five per cent, and the net premium for he risk is \$55 25. It would take the premium of nearly six hundred cargoes to pay the total loss of one. The cargo of the propeller City of Detroit, which recently sunk in Detroit river, was in-sured for \$20,000, \$10,000 in each of the two companies company to receive twenty dollars less commission and expense for insuring the safety of \$10,000. The accident involved a loss of \$0,000 or more to each company. It will take the premiums of four hundred cargoes to pay the ition, having since its destruction insured from Tole-lo to Buffalo at nine cents on the one hundred dollars. At this, less commission and expenses; they got the enormous sum of seven dollars and fifty cents for assuming the risk of the thousand dollars, it requires no mathema-tician to tell that it of over thirteen hundred cargoes to pay the total loss of one. Can any one for a moment doubt the result to capital that so madly com-petes for business?"

## Mining.

Winng.

Jak Straston Minns. – Montreal Mining

shares, which were quietly ranging from \$2.25

shares, underston a sked by sellers, and constructions asked by sellers, and constructions asked by sellers, and constructions and report concerning its prospects.

Hommas Macfarlane was sent to explore the company's mines in the Lake Superior

shores of ore.
Last Monday he telegrapher

be sent down a number of rather poor specifies

he welcome news to the Hon. Thomas Ryap

resident of the Company, that he had did

forside a remarkably rich vein on another

for the reserve to the Company.

freeden a file of the Woods, "in the vicinity

for the reserve to the Company.

freeden a file of the Wood's location freeden at the opport specifies

freeden for insegretion.

reserve feet was oppered at Wood's location freeden at the opport of the company.

freeden for insegretion of the settoring for the settoring for the settoring for the settoring of the company.

freeden for insegretion of the settoring for the settoring for the settoring for the settoring of the settoring for the setoring for the settoring for the settoring f

thrown out by the blast is estimated by co petent persons to be worth \$400."-Gazette.

thrown out by the blast is estimated by com-letent persons to be worth \$400."-Gazette. Goto it's Naw Buruswick, -A few days ago the received a visit from a Mr. Thomas W. New Brunswick, who exhibited some speci-mashing of alluvial deposits with specimens also of gold-bearing quartz, apparently very been assayed to test its actual value. The specimens compare favorably with those we may be a microscope. None of it has yet been assayed to test its actual value. The specimens compare favorably with those we may be a microscope what they con-having purchased from the provincial govern-ment over thirty square miles of territory, made a test of one portion of the purchased of the St. John river in three countries, those of Victoria, Northumberland, and Carleton the test was made in the latter county, about the test was made in the latter county, about the test was made in the latter county, about the test was made in the latter county, about the test was made in the latter county, about the test was made in the latter county, about the test was made in the latter county, about the test was made in the latter county, about the test was made in the latter county, about the test was made in the latter county, about the test was made in the latter county, about the test was made in the latter county, about the test was made in the latter county, about the sheet bung, was erected. "Riffles" hai and about three cubic yards of sand and read been placed a small quantity of quickailve for olitesting the sluce at its lower end whith the sand by the force of the current. With the sand by the force of the current with the sand by the force of the current with the same by the force of the current with the same by the force of the current with the same by the force of the current with the same by the force of the current with the same by the force of the current with the same by the force of the current with the same by the force of the current with the same by the force of the current with the same by the force of the current amined and tested this locality on Shicktehank and others comprised in the purchase that the formet does not present so favorable indica-tions as those on the Muniac and Serpentine. All this country is well wooded, the soil is fertile, and the streams never failing, in many cases affording excellent waterpower. Scien-tific American.

METALLUBGICAL TREATMENT. — The process of amalgamation still generally prevails in the mining districts enumerated. It consists in reducing auriferous rock to a fine powder by means of stamps, arastras, Chilian mills, or other mechanical contrivances, and subjecting it to a continuous agitation with mercury, with metar accurch to give a mety consistency to the it to a continuous agitation with mercury, with water enough to give a pasty consistency to the mass, the object being to expose as fully as possible the fine particles of gold and silver to the attractive power of the mercury, with which they form an *amalgam* easily separated by subsidence in the lighter pulp of earthy matter of which the ore consists. The amal-gam thus obtained on being subjected to mo-derate heat in an iron retort gives up its mer-cury, which passes over the vapor and is con-densed again in another vessel, the metal being left in the retort. + In the case of pyritic ores, however, it is

ieft in the retort. In the case of pyritic ores, however, it is found that the process of amalgamation is seri-ously retarded by the impurities with which the gold and silver are associated. Probably the ores of Colorado do not yield by simple amalgamation an average of 20 per cent. of their assay value. A previous process of desul-phurization is therefore indispensable, and how best to accomplish this is the problem which has occupied the attention of metallurgists for

many years. Many methods have been ad-vised, the majority of which being merely empirical have had but an ephemeral reputation. The opinion is widely prevalent that smelt-ing—the attack of gold or silver bearing ores by fre-will be the final and indispensable cryclient of separating the precious metals from its matrix. If smelting works on a large scale could be established in all the mining reritories, there would doubtless ensue a sub-division of labour in the business of gold and silver, as is now the case in iron mining. The miner would limit his efforts to raising ore from the mine, and the amelting furnace would afford a market where the ore might command its price, which would be better for all parties than the method hitherto pursued, of raising and reducing ores under one administration.— *Com. Taylor's Report.* 

NOVA SCOTIA GOLD RETURNS .- The following are the returns from the gold-mining districts for last month :--

all and had	Quartz crushed.		Yield of Gold.		
Place.		Dwts.	OL	Dwts	Grs.
Waverly	. 1035	12	239	0	1
Uniacke	. 201	19	146	3	17
Sherbrooke	636	10	296		16
Tangier		0 .	15	6	. 0
Wine Harbon		9	240	0	22
Oldham		18.	50		. 9
Renfrew	. 600	0	347	•	0

THE CILLAS MINE. -Mr. F. W. Terrill has just shown us a very fine specimen of grey and yellow copper ore taken four feet from the sur-face, at the above mine. Judging from the weight it must be very rich in metal. Assays by Dr. Girdwood, of specimens taken from the same mine have yielded at the rate of \$26 sil-ver, \$20 gold, to the ton, and 8 per cent copper. -Sherbooke Gazette. oke Gazette.

-Sherbrooke Gazette. -An important mechanical contrivance for the separation of the precious metals from the matrix has just been patcheted in England, ard is briefly referred to in a letter from Mr. W. T Rickard to the London Mining Journal. The invention will be shortly protected and put in operation here, and from the opinions of ex-perts it is likely to prove extremely valuable. -Halifax Mining Journal.

-A description of the Anglo-Saxon mill at Madoc which appeared in our columns should have been credited to the *Mercury* of that place.

INTERNATIONAL COMMERCIAL CONVENTION. INTERNATIONAL COMMERCIAL CONVENTION. —A call has been issued for an International Commercial Convention, to be held at Port-land, on the 4th of August mext, to take into consideration the various plans and measures now before the country, to increase the facili-ties of intercourse and trade by land and rail-way between the interior and the Atlantic sea-board, the adoption of measures to relieve commerce of unnecessary burdens, and secure unrestricted freedom of trade upon the conti-nent of North America. Particular measures to be considered :-to be considered :-

1. The completion of the Atlantic and Pa-cific Railway from Halifax to San Francisco by the most direct route.

2. The completion of the Northern Pacifi Railway from St. Lawrence water to Paget water to Puget's Sound.

3. The Niagara Ship Canal, the Champlain Canal, and new lines of railway from the navi-gable waters of the lakes to the seaports of New England.

New England. 4. The adjustment on liberal terms of the regulation of trade on the continent. 5. Such arrangements of lines of ocean steamers between San Francisco and China, and across the Atlantic Ocean, as shall secure means of communication between Europe and Asia, across the Continent of North America by connected lines of railway and ocean steam-ers, —as regular and as isonvenient as those be-tween city and city upon the same continent — on the completion of the lines of railway now built, or ia progress, between Halifax and San Francisco. Fra