THURSDAY August 21, 1902

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to the mining and general interests

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wife of Hermann Oelrichs, is the eldest

of the heirs. Then came James, who

the third, and the youngest was Vir-

ginia, the wife of W. K. Vanderbilt, Jr.

In the spring of 1894 Charles married

Invariably in advance.

Mr. and Mrs. Charles Fair of San died about 10 years ago. Charles was

Year, by mail..... 6 25

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(Special to

GREENWOOD, E. G. Prior, provinc reached Greenwood ing driven from Pl spent the greater was informally wel by Mayor Naden, 1 council, board of th and other influen evening was spent ters of general inte ger mines and sme

This evening the trade will present minister. This w welcome to the vis cation in finding th ment of mines ma ally acquainted wi requirements of and remind him can do much towa ing and other indu to. It will endors Rossland relative eral tax, acknow tion the inclusion the government towards erecting ings and the ap for a court hous erection of which

local officials of th be submitted that other duties takin officer who is also is desirable that h office and that th corder be appoin recommend the an ernment agent, T a stipendiary may debts court sittin the convenience of Whilst it will Boundary district ed in the matter for the repair of trails, the need sion through Co

GREENWOOD, F. Stow, for the at the local bran British North An for Vancouver, be sent to anothe H. McCutcheon at Greenwood, on telegram advisin there on that day adding one more Mrs. McCutcheon Kamloops last m F. W. McLaine still weak from appendicitis. Paul Johnson, Greenwood smelte turn from his vis Monday. Coke is smelter, so it is will have been re the month to war operations at bo mine and the st It is reported Greenwood, who

building before wi be urged. In connection

Copper Camp will (Special t

ROSSLAND WEEKLY MINER **********************

COMMERCIAL

ALASKA

led by The Ore Concentration Syndi **Concentration of Ores** pany and By Means of Oil

On looking over the weekly list of ing ores, but would also permit of the Copper Mines in Wales, and in treating ducers and manufacturers of the Unit-On looking over the weekly list of United States patents published in the successful milling of ores, which by technical mining press, one cannot but the present methods cannot be commercially treated. The successful milling of ores, which by the present methods cannot be commercially treated. The successful milling of concentration was 8.3 to 1 and the concentrates assayed 10 per cent in Alaska is now as accessible as the concentrates assayed 10 per cent in Alaska is now as accessible as the concentrates assayed 10 per cent in the present methods cannot be commercially treated.

be struck with the very large number aling with the various problems of ore treatment.

New forms of concentrators are patented at the rate of one a day, and of lixiviation and chemical processe erally there are as many more Many, very many, of these are the inventions of inexperienced, impractical en, and bear on their faces evidences of their uselessness. Not a few of them

are very palpably fakes. The extraction - of - gold - from - sea water processes that we heard so much of a year or two ago belong to this order, and a process in some form or other guaranteed to extract the impos sible is continually being exploited with the gullible public. All mining men have experienced the man with a process, and in general he is shunned and avoided as a nuisance.

But of all the improbable and impossible processes the concentration of ores by means of oil appears at first glance the worst. That oil, common every-day oil, should have the power

of selecting and carrying off valuable clific gravity, seems unreasonable. That a dry state with her oil and acid comininerals and leaving valueless minerals severely alone, regardless of :peheavy mineral oils, the most adhesively sticky of all the oils, should not stick to rusty quartz though violently agitated with it seems absurd, and that at the same time it should firmly adhere to smooth, shiny, slippery galena cess.

seems too absurd for further consideration. And when we are told that this is due to static electricity and that granted to George Robson, of Dolg-lly, also these results are accomplished in England, and in January, 1898 U. S. the presence of an excess of water, the letters patent for a process based simpfake seems complete.

So completely against it are its gen- admixtures of alkali or acid. eral appearances that although a comit attracted little or no attention.

are classified according to their color

hand sorting difference in color and lustre is the guide, but in mechanical separation and concentration specific gravity, magnetic permeability and dif-

jigs, vanners, tables, buddles and generating leighth "being a process for separating variously named appliances the lighter the metallic from the rocky constituvariously named approached from the metame from the rocky constitu-minerals are separated from the ents of ore which consists in first mix-

anously are separated from the infinitely small compactly bound be infinitely small compactly bound ogether, and before any process of compactly bound ogether, and before any process of compactly bound ogether, and before any process of compactly bound ogether. heavier. the infinitely small compactly bound ding to this mixture of water and ore the infinitely small compactly along to this mixture of water and ore together, and before any process of con-a thick oil of the character set forth, food requirements of Alaska may be centration can be applied these miner-A substantial increase in the price which oil will adhere to the metallic constituents, but not to the wet rocky of copper, lead and silver is very d als must be freed by crushing. In most commercial concentrating constituents, but not to the wet rocky ful, but the oil process gives healthy north vast areas are covered with moss ores most of the particles of valuable and rocky material and causing the oil promise of giving a greater net commer cial value to our ores than any prob similar to that upon which the reinmineral are of an appreciable size; carrying the metallic constituents to that is, they are larger than grains of float off over the body of water, and deer thrives in other parts of the Arcthat is, they are larger than grains of float off over the body of water, and able increase in the prices of metals,-sand, and if the ore could be broken finally separating said oil from said By H. E. T. Haultain in the B. C. Mintic regions; and in view of this fact, the introduction of reindeer from Siberia was begun a few years since, and ing the steering gear. When the autodown to this size and no smaller, then metallic constituents by centrifugul ing Record. the only loss in concentration would has proved extremely successful, about action." be those small particles of valuable In December, 1901, U. S. letters patent TACT OF QUEEN VICTORIA. mineral enclosed in waste mineral. But were granted Alexander S. Elmore for in practice it is impossible to crush ore the process of adding an acid to the Orders Her Son to Kneel at Tomb advanced sufficiently to justify the to a certain size without much of it ordinary Elmore pro Napoleon. to a certain size without much or a process. being reduced to smaller sizes. We can-not crush ore to the size of a walnut Everson would certainly separate sulconfident belief that the reindeer will being reduced to smaller sizes. We canwithin a few years prove an important A biography of Marshal Canrobert e11]has been published recently in Paris. feature in furnishing both the transwithout some of it being reduced to imphides from silicates, but Tunbridge's Not the least interesting part of the portation and food supply of northern valpable powder, and in general pracapparatus was too crude and Everson's tice ore cannot be crushed to pass process was too expensive, chiefly on work is that which refers to the extra- and northwestern Alaska. The gross area of Alaska is, accordthrough a 30-mesh screen without 25 to account of the loss of the oil which through a so-mesh screen mean of the loss of the oil which 50 per cent of it being fine enough to was burnt off the resulting concenpass a 100-mesh screen. trates. In practice we find it as a general To Hobson belongs the credit for first rule that the smaller the particles dealt showing that plain oils had this importand heir went to the Invalides to look Maine, New Hampshire, Vermont, Maswith in any specific gravity machine ant selective action, but his process upon the tomb of Napoleon the scene sachusetts, Rhode Island, Connecticut, with in any specific gravity internet and selective action, but his process the more difficult it is to effect a clean failed apparently because he used a was one which seems to have greatly New York, New Jersey, Pennsylvania, separation, and when we come to par-light, thin oil, and also for want of a ticles passing a loo-mean the that with oil from the concentrates. The loss of impressed the marshal, who thus de- Delaware, Maryland, Virginia, West lina, Georgia, Florida, Alabama, Misfine slimes there has been really no oil in his process is reported as being "Everybody was profoundly movel. Not a word was spoken. Each person sissippi and Tennessee. - Scientific satisfactory commercial solution of the excessive. Thus we find in a concentrating plant bination of devices in themselves well stood gazing at the coffin and was lost American. Elmore's process consists of a comproblem. ROBERT DICKEY DEAD. that the lossess are two forms, viz., the known and effective. small particles of valuable minerals / The main points of difference between of me in the uniform of a field marshal, FOREST, Aug. 16 .- Robert Dickey, that are locked up in larger particles his process and those of previous inof waste mineral and smal particles ventors being the use of a thick oil, ing beside her was the Prince of Wales, one of the pioneer residents of this place, is dead, aged 69 years. He was or waste innerat and small for or- simple apparatus, and the final separa- dressed in his Highland costume with that are free, but are too matchines to dinary specific gravity machines to have any saving effect on. In good mill-by means of centrifugal machines. police magistrate of the revision court at the time of his death. To Elmore is due the credit of simp-15 to 25 per cent, and sometimes even lifying the apparatus and reducing the in the light of torches, recalled so viv-METAL MARKETS. 15 to 25 per cent, and sometimes real and in the ore. Be-more of the total values in the ore. Be-sides this direct loss there is an Indi-mercially practicable. NEY YORK, Aug. 16 .- Copper quiet In his process the pulp of ore and solute silence, the queen, with an exlead dull; bar silver 52 1-2. rect loss. It is impossible to make a sharp line of demarkation between the water and a cheap petroleum residium pression on her face of severity, calmness and meditation, turned to the concentrates and tailings, and to pre- are introduced into a drum revolving vent too much recrushing and to keep on its horizintal axis. This drum con- Prince of Wales, and placing her hands the tailings low, considerable waste tains a belical pathway in which are on his shoulders, said: 'Go down on material goes into the concentrates, and baffle boards, and as the mixture travmaterial goes into the concentrates, and baffle boards, and as the mixture travon this there is the loss of freight and els this pathway it is continually agi- great Napoleon.' It was a fine exhibition tated by means of these baffle boards. So it occurs that in good milling pracfine human feeling on the part of th smelting charges. tice with what are known as good con- ture passes to an ordinary spitzkasten queen.' centrating ores there is considerable or settling box, where the oil containing "Sometimes a man imagines the loss, directly and indirectly, due to the the concentrates floats and is drawn world has a grudge against him," says impossibility of saving the very fine off at the top, and the rocky gangue the Alfalfa Sage, "when in truth the and water are drawn off at the bottom world does not know he is on earth.' particles of valuable mineral. But there are many ores in which the In practice it is found advisable to subvaluable mineral is softer or more fri-able than the accompanying waste min-to this process, there being three re-After. Wood's Phosphodine, erals, and such ores cannot be crushed volving drums, one below the other. The Great English Remedy Sold and recommended by ruggists in Canada. Only without reducing practically all the The oil drawn off from the top of the valuable mineral to so fine a state that any attempt to mill it would result in gal machine, where most of the oil is freed from the concentrates, and is its more or less complete loss. The antimonial silver ores are par- ready for use again in the drums. The Worry, H ticularly friable and difficult on that remaining oil and concentrates pas account to mill, and to a large extent to a second centrifugal machine, age \$1, six where this is also true of copper pyrites. Any a final treatment reduces the off present in the concentrates to somethin method therefore that would success-Lade by IMPERIAL OIL CO. fully concentrate fine alimes would not concentrates. These processes are con-only very materially increase the sav- tinuous and nearly automatic. only very materially increase the sav-ing in the milling of good concentrat- These patents of Elmore are control- br Goodare Bros, and Ros od's Phesphodine is sold in R fully concentrate fine slimes would not nd Drug Co

cate, Ltd., of London, England, who have lately floated a subsidiary com-pany to take over the Canadian patents. From a pamphlet by the present comfrom a paper read before the stitute of Mining and Metallurgy by A million dollars a month is the esti-Charles M. Rolker, we learn that the process has been in successful use on A million dollars a month is the esti-s commercial scale in Wales. Early in mate made by the bureau of statistics. 1900 a plant capable of treating 50 tons of the present value of the market a week was installed at the Glasdir which "frozen Alaska" offers the pro-

mercially treated. The use of oil promises a most suc-cessful solution of the problem. In September, 1878, John Tunbridge of Newark, N. J., was granted U. S. let-

vious to these experiments over 52,000 which forms the southeastern extension precious metals from watery solutions tons of similar ore from the same mine of Alaska, lands the traveler at Skagters patent for a process of separating by adding oil or hydrocarbon liquid. This had been treated by the ordinary meth- way; 12 hours by rail over the mounis mentioned as being particularly ap-plicable to jeweler's wash water. Tunbridge passed his watery solution through a layer of floating oil, and eemed to think that the presence of of the world and publish results showseemed to think that the presence of the work and product reaction efficiency with a gable for more than 2000 miles at this great variety of ores. Some of these season of the year. From the mouth

results run up as high as 97 and 98 per of the Yukon another comparatively olution was essential to success. In August, 1886, Carrie J. Everson of Chicago was granted U. S. letters pat-ent for a process of concentrating ores by means of a compound process of oil and acid. In her specifications she wight be expected in regular work. But if Carrie J. Everson was a man I beg

the results show that certain oils will time, and their value to the United adhere to practically all wetted sul- States is \$15,000,000 annually. his pardon) states: is of my invention is that metals and phildes, arsenides and tellurides, but not

metallic substances in a comminated has suggested that these results might state will unite with compounds of fats be due to static electricity, but the true explanation will probably be found in or oils and acids, and that such comquartz or other rocky gangue." In er capillary attraction and surface ten-

pound, and afterward washes away the dependent of specific gravity, and the quartz or rocky gangue with water, and process is applicable finally burns off her compound from the with the finest slimes. In connection with the results pubconcentrates. She considered the presence of an acid as essential to her pro- lished by the company it is noteworthy

In 1894 letters patent in England, percentage of silica remaining in the Transvaal and other countries were concentrates. As a general rule the vally on the use of oils or fats, without

His most general claim is: The mercially successful process for the methods of recovering metals and meconcentration of ores by oil was in- tallic compounds from finely divided vented more than three years ago, and substances, which consists in thoroughly has been in successful operation for and mechanically agitating and mixmore than two years, and although ing a fatty oil with said substances while the same are in a moist or plasfore the notice of the mining public for the state, due to admixture of water a like period, yet until quite recently therewith, then drawing off the fatty oil carrying the metal particles and me-Before, however, discussing the use tallic compounds from said substances of the oil process it would be well to and then separating the metals and me-

of the oil process it would be not a and then separating the metals and consider the needs of such a process. talkic compounds from the oil." According to the text books, minerals means of agitation were somewhat complex, and his method of separating are classified according to integravity, the metals from the oil consisted in form of crystallization, chemical com- simply settling by gravitation. He

form of crystallization, chemability. In seemed to think that the admixture of by anybody. The simple stirring of or-

of an ore that with the ordinary meth- mill in the world, while several other ods of concentration yielded absolute- quartz mills represent large investly useless results. Further than this ments. With the inflow of capital, the

nay tests made by myself and others confirm the possibilities of the process, ces of life. Nome City, which is located I have found the mill tailings, both but a comparatively short distance south of the Arctic circle, has now a from gold and from silver bearing ores, yield high grade concentrates with oil, population of over 12,000; postal facilities have been so extended that the and my experiments with Rossland ores number of postoffices is now about 60, point to the production of a higher

The cost of Alaska was \$7,200,000. The

revenue which the government has de-

grade concentrate than that claimed by the Elmore companies.

to a great variety of ores.

products of Alaska brought to the United States since its purchase is (according to the best estimates that the automobile swerved and crashed into a and \$30,000,000. When informed of is precious metals, \$50,000,000 products a consequence of the shock. of the fisheries, chiefly salmon, and that no particulars are given as to the \$50,000,000 more furs, chiefly seal fur.

the process has been found applicable development of transportation systems, and the gold discoveries, have come In regard to the ores of West Koote- the building of towns and the development of cities with modern convenien-

ANOTHER DISPATCH.

AUTOMOBILE ACCIDENT.

Francisco Were Killed.

to over \$9,000,000, and the value of the and Mrs. Charles Fair, Americans, who Maude Nelson. The ceremony took

products is now twice as much every were related to Mrs. W. K. Vanderbilt, place in Oakland and it was almost a

year as it cost. The total value of the Jr. (Miss Virginia Fair), were return- the three heirs to an immense estate,

EVREUX, France, Aug. 14 .- As Mr.

and their chauffeur was badly injured. The Fairs have been living lately in and mails are being regulary delivered Paris at the Hotel Ritz, and kept their apartments there while they were stay-

the Associated Press has just returned furnished by the development of stock furnished by the development of stock farms in the southern sections. In the ment, turned a complete somersault to Paris from the Chateau Bisson du and crashed into a big eim tree in front Majat Evereux, where a personal investigation into the circumstances surof the gate of the chateau. The autorounding the death of Mr. and Mrs. mobile was completely wrecked, the front axle was broken and other parts Fair were made. Mme. Hourde, wife of the gatekeeper of the chateau, who was of the machine were smashed, includan eye witness of the disaster, made

bureau of statistics is able to make) tree fifteen miles from here. Both were the tragic end of his brother-in-law about \$150,000,000, of which \$50,000,000 killed. The chauffeur became insane as and his wife this afternoon Hermann shocked but not surprised. I said only SAN FRANCISCO, Cal., Aug. 14 .- Mr. a few days ago that if Charles persist-Probably \$50,000,000 of American capi- and Mrs. Charles Fair left San Francisco ed in carrying on his experiments along tal is invested in Alaskan industries last May for a trip to Europe. Charles this line the result would be fatal ues of concentrates as reported is low, and business enterprises, including Fair was the son and was one of the sooner or later. I have warned him and this may or may not be due to the transportation systems. In the salmon heirs to the immense estate of the late repeatedly, but he always laughed and fisheries alone the companies engaged Senator Fair. It is peculiar that the son said there was no danger." that a commercial plant working con- the mining industries there are large Senator Fair's partners, was also killed PARIS, Aug. 15.—The fatal accident tinuously succeeds in making an ex- investments, the great quartz mill at near Paris a few years ago by being to Mr. and Mrs. Fair is the sensation of the city and the leading topic of and in automobile circles. The manager of the firm which sold PARIS, Aug. 14.—The fatal accident to Mr. and Mrs. Fair occurred at the met his death declared in an interview self was driving his automobile at a today that he had more than once high rate of speed when one of the prudent. He said Mr. Fair had the "speed madness," and had met with an swerved, collided with a tree with a accident the first part of June, when

terrible crash and was overturned. he collided with another automobile on the Avenue des Champ Elysees in Paris, but luckily no one was killed. "I attribute the accident," said the manager of the firm, "to the condition of the road where the disaster happen-Agricultural opportunities in Alaska have, until within a recent period, been sent a dispatch from Trouville to the sent a dispatch from Trouville to the treacherous incline down which Mr. In July, 1900, U. S. letters patent were granted to Francis E. Elmore, of Leeds, England, for his apparatus, and in June, 1901, for his process. The appar-atus patent covers the combination of In the process patent there are eight "being a process for separation in experiments made with various classes to mean automobile very much prior to purchasing the metallic from the rocky constitution in experiments made with various classes to mean automobile very much prior to purchasing the metallic from the rocky constitution in experiments made with various classes to eight "being a process for separation in experiments made with various classes to eight "being a process for separation in experiments made with various classes to eight "being a process for separation in the specific variously named appliances the lighter" the metallic from the rocky constitution the the metallic from the rocky constitution the the metallic from the rocky constitution the topological from the rocky constitution from the rocky constitution reconstration the rocky constitution the rocky constitution the r

However, the important point is this, have a capitalization of \$22,000,000. In traction of 80 per cent of the values Juneau being the largest quartz stamp thrown from his horse,

Mr. and Mrs. Fair were killed outright

mobile turned over the wife of the gate- the following statement: 135 proved being distributed through keeper says she saw Mr. and Mrs. Fair "When the automobile crashed into thrown high in the air and fall with a the trunk of the elm tree I saw the heavy thud to the ground. The chaufthe air half the height of the tree. Then feur, who was sitting behind the Fairs, they fell with a thud. I screamed and was thrown into the ditch. He staggered to his feet, calling for rushed out from the gateway and across help. The gatekeeper's wife rushed to the road, where I saw the automobile his assistance and aided him in extri-

cating Mr. and Mrs. Fair, who were the tree. buried beneath the wrecked machine "At first I did not see the victims, buried beneath the wrecked machine work is that which leters to the gross area of Alaska is, so square ordinary popular demonstrations that marked the state visit of the late Queen miles. The governor of Alaska in a miles. The governor of Alaska in a miles. The governor of Alaska in a miles area of Alaska in a miles. The governor of Alaska in a miles area of Alaska in a miles. The governor of Alaska in a miles area of Alaska in a miles are Victoria to the French capital. When recent report states that this is equal sustained ghastly injuries and were al- foot of the tree. Mr. Fair was lying at the English sovereign and her consort to the combined area of the 20 states of most unrecognizable. Mr. Fair's head full length behind it, while his wife her head leaning against the tree. Mr.

The chauffeur was affected at the Fair apparently was quite dead. I took was split. calamity and seemed bereft of his his wife's head in my hands and gently senses. He threw himself into a ditch laid the body flat on the grass. She did on the opposite side of the road and rolled about crying, "My poor master." gashes on the heads of Mr. and Mrs. M. Borson, owner of the Chateau Fair upset me and I ran back to the Buisson du Mai, was summoned and lodge and called my husband, who was after advising the local authorities of ill and in bed, to warn the people at after advising the local authorities of ill and in bed, to warn the population the accident, he ordered the bodies of the chateau. I returned to where the Mr. and Mrs. Fair to be carried to the bodies lay. About this time a painter, gatekeeper's lodge. Here they now lie on mattresses and flowers have been called him, and as he stood looking a strewn over them. In the room are the corpses, I asked him to remain there as I intended to go for the people three wax tapers burning dimly.

three wax tapers burning dimly. The accident was evidently due to the bursting of a tire. At the time it oc-curred the automobile, which was cap-"I then returned by the side of the able of running 74 miles an hour, was bodies and was looking at Mrs. Fair, going at the rate of 62 miles an hour. The local police authorities have in when I saw the gloved fingers of one their possession and have sealed up a hand slowly opening. I turned to her valise belonging to the Fairs which contains jewelry, two letters of credit, a though his leg was drawing up. This French bank note worth \$200, and some frightened me and I ran back to the lodge. When I returned with my husband the bodies were motioniess and gold coins.

AUTOMOBILE ENTHUSIAST. never stirred again."

When asked if she could say whether Charles Fair has been enthusiastic the movements of the bodies she de SAN FRANCISCO, Cal., Aug. 14 .about automobiles ever since the ma- scribed had lasted longer with Mr. Fair or with his wife, she replied: chines came into use abroad. He was the first to bring automobiles to this took place simultaneously. I was to coast and he owned three or four of unnerved to remain and watch and ran them. He had what was perhaps the back to the chateau, and when I again largest and swiftest automobile in Cali-saw the bodies they were still." The coffins containing the bodie fornia. It was a huge French racing machine, and capable, it is said, of go-ing at a speed of 70 miles an hour. Tt at 4 o'clock this afternoon and were had a 40 horse power engine. He im- placed in the vault of the Church ported it from France, and with it the Madelene in the presence of a re imported a chauffeur. Fair and his wife resentative of the United States or left San Francisco for Europe on May Soth last to stay two or three months. Ritz; Brotey, M& Fair's chauffeur, a Charles Fair was the third of the Mrs. Fair's maid. A priest of the chu four children of the late Mr. and Mrs. said prayers for the repose of the sol James G. Fair. Teresa, who is now the of the deceased.

THE H

ago, is interested

(Special 1 GREENWOOD.

a public meeting city hall under Greenwood board Prior. minister o address present the citizens of the 2 per cen't n that the matter sidered by the earnest intention can be done in t the chief difficu was the fact that acceptable to th sonable and equ the government have, had yet be asking for the tax. He had a chief commiss their request th mencement be r

of the Greenwo FOREST FI

'All Hands Kept From Re

> Yesterday ab fire sprung up raged fiercely breeze which u the canyon of day fanned the which started a heavy canop the embryo c pany's building at one time, a: stroyed but for of T. A. Colli blaze. As it wa ing and much building from place threaten ed residence flames approac of the house efforts of a do: et brigade an and axes save struction. Fire portions of the dy in the flames until



