LECTRICITY WITHOUT HEAT.

Willard E. Case, who for ten years past een making electricity a special has discovered a means of proig electricity from carbon with other than the use of zinc, as in case of the galvanic battery. He before the Wyork Electrical Society at umbia College last night. The eriments with which he illustrated ecture were of a character to satisfy electrical experts present that the ential energy in carbon can be trans-ted into electricity without waste, a which, when practically worked will furnish a new motor force ch will replace steam. As yet Mr. e's discovery is without immediate percial value.

It is not along that line that I have working," he said. "The chems used are too expensive for eral use. My endeavor has been show that we can transform potential energy of the carto electricity without waste. There many agents which can be used, and, experiment, will come the discovery ne agent cheap enough for general Then the solution of the the solution of the problem in here will be practically applied steam will become a thing of the At present we have only crossed boundary line. Ahead lies tremend-boundary line.

making his experiment Mr. Case a cell of his own invention. Plates tin and platinum formed the trodes, and the carbon being lized by contact with chemicals. tricity was produced, as was wn by attaching the wire from the o a motor. A thermometer applied rious stages showed that no heat hence, practically the re energy of the chemical charge was erted into electricity. Having coned this experiment, Mr. Case said: We certainly have a most wonderful e of the conversion of potential gy of carbon directly into work in animal economy, which is developed be expense of the oxidization of the erial supplied by the food, with an efficy twice as economical as in the case he steam engine. One-fifth of the ial energy is converted into work; fifts is converted into heat. In this ry carbon is completely oxidized at temperature by oxygen, which in the human body, and we know to be a very efficient machine. ore I see no reason to think that necessary for us to use high tem-ures. Keep without the second f thero-dynamics, search for a suit earrier of oxygen or some cheap e of oxygen supply and hydrogen rbon, or a carbon compound easily zed."—N. Y. Commercial Adver-

STORY 3,000 YEARS OLD.

u know the ancient story about Penethe wife of Ulysses? No doubt for it pen told over and over for the last 3,000 s. Nevertheless let us have it once cut short. Ulysses went off to the and left Penelope at home. A very time elapsed and he didn't come back list right to personal dearth and personal to the strength of the penelope at home. me clapsed and he didn't come back, tried to persuade her to marry again, id she would as soon as she finished of cloth she was weaving. All right tid, thinking they should have her d again before the new moon was but they were disappointed. Deterto await the return of her husband ked apart every with the results. oth as she had woven during the day very obvious device," you say, "yet of it?" A good deal of it. It made d Greek vagabond happy on his reand it furnishes me with a neat and it furnishes. Kindly read the folgular transport of the folgu etter and you will see the point for

the spring of 1886 I began to suffer llness. I felt weak, languid and My appetite was very poor, and ttle food I took gave me great pain thest, sides and back. After every chest, sides and back. After every was sick, my stomach being unable to my food. I dieted myself, taking only i simple food, but this made

ime went on the pain at my chest increased, until it was like a knife me. In this way I continued until 1889, when I was obliged to give tuation. At this time I was in the Rectory, Tetsworth. turned to my home, where I finally so weak that I could not lift a knife buth. I was fed on slops, but even t nourishment gave me intense distress. I got little or no sleep

ht, and wasted away so much that I think I should live.
ing my illness I was treated by sevferent physicians, but their medi-id me no good. In March, 1890, my persuaded me to try Mother Seigel's Syrup. After taking one bottle I selief. The sickness left me and my me me no pain. After having used titles I was cured, and have never axis sickness since Mr. day's sickness since. My mistress ers asked what had cured me, and hem it was Mother Seigel's Syrup. ling that this statement should be ed. (Signed) Mrs. Agnes Sadler, Wood, Cuddesdon, near Wheatley, hire, February 2nd, 1894." s. Sadler's letter you will observe

two sentences set in italics by the Be good enough to read the he idea is that the lady's stoma The idea is that the lady's stomach of food, and that she wasted away. Because the human body is like the cloth which Penelope was weaving travelling, so long ago. The food we was it bigger, and wear and tear.pick eces. This happens every day—all the weaving equals the ling you are well; when the unrayelmore than the weaving equals the more than the weaving you do what dler did—vou waste away. veaver (or builder) is the stomach e other organs of digestion. Our pudent suffered from a failure of gans to do their work. Her room fermented in her stomach. Hence pain and sickness. Unless one can then unless to eat. Benam and sickness. Unless one can is worse than unless to eat. Benstead of making you feel strong, ous and ambitious, food turns you; becomes sour, rotten, and the seeds of suffering in every part body reached by the corrupted and that is everywhere. This is inand that is everywhere. This is inm and dyspepsia—the bane and
all life, civilized or savage, since
peared on the earth. Read Mrs.
letter again to learn how it begins,
advances, the horrors of being a
it, and (best of all) how to cure it.
Ir made Penelope famous in a poem
ough their letters and words of
for rescue from suffering the re-

rescue from suffering, the wo ngland have conferred a better re-Mother Seigel and her great dis-

Pluck and Endurance Characteris tics of the Explorer as Boy and Man.

His Strength and Daring Place Him High in His Countrymen's Esteem.

Although the extraordinary enthuschess club.

chess chess club.

chess c iasm with which the cold and unenthus-

of life-saving acts, which alone should commend him to the affection and gratitude of his fellows. Johansen, his companion on the ice floes, has described in conversation one of the last of these acts of heroism, "I was ahead of Nansen, who was out of sight," he said, "when a huge polar bear got on to me and knocked me down with a blow of his paw. 'Nansen,' I cried, 'if you don't shoot this second I'm done for.' The instant after I heard the crack of his rifle and the bear went over." He added, "the blow did me more good than harm, for it cleared in the same day relative to the matter. It was a letter from the Attorney-General of British Columbia stating that information had been received from Washing.

The extraction on Washing.

The crusher is so designed that it can be made into sections, or self-contained, acts ording to the facility for transportation. It is claimed for the machine that it can be made into sections, or self-contained, acts or self more good than harm, for it cleared

some of the filth off my face."

In what good stead his physical training has stood him in his life has been proved a hundred times over since he first began his adventurous life. When food was to be had it was no Christian diet and water was a luxury. Already in Greenland he had shown what a man can do in straits, and who has forgotten his accounts of the dish of raw horse meat which turned the stomache of the Lapps who accompanied him, or of the cooker, which was licked clean by the tongue of Balto. One commends these accounts of and or these accounts of and or the commends. nese accounts of endurance and priva-

famous. It is the quality of being able to work out in each minute detail the plan that is to be followed of leaving nothing to chance, of foresee ng everything with mathematical pre -the quality, in fact, which can ried Napoleon so far till, neglecting it, he fell. Before Nansen left Norway his calculations had been made with such he fell. Before Nansen left Norway his calculations had been made with such scientific accuracy that he was able to hand to a friend a chart on which was indicated the route that the Fram would take. It indicated almost exactly the

indicated the route that the Fram would take. It indicated almost exactly the route that the Fram did take, as far as the ship was able to progress.

There is a story of an egg which Fridtjof was eating at breakfast, which strongly manifested that it was not Christian diet. The boy had noticed nothing, and his wits were certainly not wool-gathering. These periods of mental absorption may be noticed even to-day by any one who watches him, even when his attention might be supposed to be nost vividly engaged. His eyes seem to go out, the head droops and the hands turned outward. When having landed from the company standing, waiting, waiting for his companions to join and follow him up to the payilion, join and follow him up to the pavilion, where all that is foremost in Norway waited to give him greeting, thousands were shouting welcome, guns were booming from the lorts and frigates, women were in ecstacies of hysterical welcoming, and there he stood, unconscious, who knows where?

SPORTS AND PASTIMES. GOLF.

A very exciting whist tournament took place in the Pacific Club rooms between that club and the Chess Club last evening. Play continued until after midnight, and although the chess men won, they found that they were splendidly matched in their opponents. The scores were.

PACIFIC CLUB. Won. Los F. Bennett, G. Hargreaves.
R. C. Eckhart, G. Wilson.
C. Hayward, C. J. Todd
W. Wilson, A. Holmes
J. E. Martin, J. Earsman
B. H. John, J. Savannah

BACK AGAIN.

General W. P. Roberts, U. S. consul arrived by the Charmer last night after a four months' holiday spent in the "Sunny South." General Roberts un-"Sunny South." General Roberts unfortunately had to leave before President McKinley's inauguration, but he takes it as a happy omen that he should again assume consular duties on the day the new President takes office.

"I am glad to say," General Roberts remarked, "that there is a very friendly feeling prevailing between Great Britain and the United States at the present time. All through the States a feeling of pleasure exists at the result of the late climax and the hope that the two

these accounts of endurance and privation disregarded and overcome to the gentlemen who write about the degeneration of the human race, to the pessimists who curiously enough look to this very Norway for the light.

More than these qualities which have been described is, however, needed to carry to a successful issue such an enterprise as has made Nansen world famous. It is the quality of be-

that he will be perfectly loyal to the new

PREPARING TO DEVELOP THE MINE.

Colonel L. J. Henderson and Dennt

[From THE DAILY COLONIST, March 6.]

Spectators View With Interest the New Seabrook-Brown Rock Crusher.

made into sections, or self-contained, according to the facility for transportation.

It is claimed for the machine that it can that two days later vessel and cargo were knocked down at auction to C. A. boulders. Having fine, distinct movements while crushing, the wear of the

ock in 24 hours." The machine, Mr. Seabrook also stated.

The machine, Mr. Seabrook also stated, can be made to any capacity to meet the requirements of purchasers. One machine has been designed to crush two tons per minute. The crusher can be regulated in a very few minutes by a simple contrivance, so that the rock can be crushed to any degree of fineness.

This is not Mr. Seabrook's only invention, patents being applied for for a large quantity of mining machinery. Messre, Dier, Davidson and Russell have already ordered a machine for their properties in the Fairview district, and Mr. Archer, of Chicago, who is deeply inter-Archer, of Chicago, who is deeply interested in Kootenay, and who was present at the trial yesterday, gave an order for two crushers.

TO MARK THE JUBILEE.

ing to their enrolment as yoters under the incorporation of towns bill. Indeed they are encouraged rather by the expressions of opinion then made by the local lawmakers, and have ready for presentation to the house a well-signed petition suggesting that the present year—marking the diamond jubilee of Queen Victoria's gracious reign—is most appropriate for the extension of the sufappropriate for the extension of the suf-frage to the women of British Columbia. The petition with its numerous where-as'es reads as follows:

States Commissioner A. H. Kenyon holds an interest.—Spokesman-Review.

VANCOUVER, March 4.—(Special)—The Dominion Developing Company shareholders met this week and reduced the company from 1500,000 to \$22,500. The move is a very popular one in these times of overcapitalization.

name, to show their appreciation of Her Majesty by granting to those of her sex in this province equal rights of citizenship with men;

"Therefore, your petitioners humbly pray your hono able body to enact a law during the present session providing that the rights of citizenship shall not be denied or abridged on account of sex, but that full franchise shall be granted to the women of this province on the same terms as to men.

GLADSTONE'S MESSAGES.

LONDON, March 5.-Mr. Gladstone has power, and therefore only requires about sent the following telegram to the Daily wheel or lever. It is so arranged that any kind of power can be used. The crusher is calculated to treat 500 tons of crusher is calculated to treat 500 tons o grace of the powers."
ATHENS, March 4.—The participants

William, with Prince Henry of Prussia, his brother, arrived here yesterday to swear in the naval recruits. The Emperor reminded the recruits of the sinking of the German cruiser litis, in the storm off the coast of China, and the The women of British Columbia are not at all discouraged through the failure of Mr. Helmcken's amendment looking to their enrolment as yoters under the incorporation of towns bill. Indeed they are encouraged rather by the expressions of opinion then made by the last learned and have ready for

DEVASTATING GALES.

LONDON, March 4.—Reports of the havor wrought by the gale are still be-

New York, March 5.—The Evening Post's London despatch says the stock market record further decline to day on politics. The better mformed still be lieve that a European war will be lieve that a European war will be averted but the situation is admitted to be critical. Consols closed at the lowest.

Practical and Useful Information Issued for the Guidance of Shipmasters.

story of the 1st of the posterior of the second state of the posterior of the second

benefit of his health, and profited by it.
There were not many other passengers
aboard, but among the most prominent
were Miss Stone, the leading theatrical
star of a troupe which has been "doing"
the Hawaiian capital; Mr. Murray, the
manager of the Bank of British Columbia at Vancouver; J. R. Mott and wife, Y. bia at Vancouver; J. R. Mott and wife, Y. M.C.A. representatives; and Mr. Hewitt manager of the Lowell paper mill at Everett. The other research

manager of the Lowell paper mill at Everett. The other passengers were: Mrs. Popham, Messrs. Huwarth, Popham, Matthews, Murray, Schwainitz, Mott, Parkin, Tighe, Trevellin, Munro, Tate, Morris, Johnson, Keyes, Clifton, Black, Ericksen, Lawton and Vordisch. The steamer's cargo included the first

MAKE MAN.



lot of this season's bananas, a ship of 560 carcases of mutton and 21,000 pounds of beef for Vancouver, and about 50 tons of mixed freight for Victoria. Purser Humphreys detailed account of the ship's trip speaks of nothing unusual as having happened on the voyage.

THE " DANUBE " RESUMES SERVICE. New Seabrook-Brown Rock
Crusher.

Will Revolutionize the Mining Industry of the Province and of the World.

Will Revolutionize the Mining Industry of the Province and of the World.

A large number of spectators witnessed the working of a new rock crusher at the Albion Iron Works yesterday by the insufficient of Mr. R. P. Rithet, M.P.P. Many of the members of the legislative assembly were present, as well as mines owners and miners, and it was unanimated brought out a machine which will cause a great stir in the mining industry, not only of the province, but of the world.

The inventors are Mr. B. R. Seabrook, and Mr. J. R. Brown, the latter of Harrison, Hotol Springs, Patente are applied for in all countries.

The crusher which was worked yesterday, though lacking many minor inprovements in reveated by Mr. Seabrook, and Mr. J. R. Brown, the latter of Harrison, Hotol Springs, Patente are applied for in all countries.

Honolulu papers received by the interest and province of the same terms as to men.

"And your petitioners as in duty bound will ever pray."

"In desving for Northers British Columbia to the first time in thream of this province on the same terms as to men.

"Danube" Once Again in Commission.

"Danube" Once Again in Commission.

"The Colosist has received from the radic point of the worked of the working of a new rock crusher at the country of the province on the legislative as the province of the serious data the inventors had brought tout a machine which will cause a great stir in the mining industry, not only of the province, but of the spring of the Albion Iron Works, and Mr. J. R. Brown, the latter of Harrison, Hotol Springs, Patente are applied for in the towns of the province on the season advanced to the province of the season advanced to the world.

The inventors are Mr. A. R. Seabrook, and many minor independent of the province of the season advanced to the province of the p In leaving for Northern British Colum-

half only one goal was, scored and that by the Nelson players. The second half was also well contested and close, the visitors managing to score three goals to one for the home team. The Kaslo boys

TRAIL. TRAIL, March 3 .- (Special)-The February customs returns for the Trail department are as follows: Value of imports-Dutiable goods,

\$28,197; free goods, \$5,542; total, \$33,-739. Duty collected—\$8,507.74. Value of exports—The mines, \$217,080; others, \$3,500; total, \$220,580. Inland collections—\$1,010.92. COR CATARRH,

Colds, Sores and Burns.

Pure Encalyptus Ott..... 35c. Post Free. Stamps Taken. FLITTON Brop., Vancouver.

STOCK CERTIFICATES STOCK LEDGERS. STOCK JOURNALS MI'VERS' PAY SHEETS, LAINERS' CASH AZSTRACTS MINING REPORTS, MINING MAPS AND PLANS

THE COLONIST,

VICTORIA

QUEEN VICTORIA: Hear Life and Reign—Great historic work; sells on sight to thousands; Lord Dufferin introduces it to Canadians in glowing words; easy to make £20.00 a week; some make twice that; many make more in spare time than during day at regular employment; this year's great Sexagenary Celebratians are booming it; hooks on time; prospectus free to canvassers; territory going fast, The Bradley-Garretson Co., Ld., Toronte, Ont.