EXCEPTIONAL EARTHSHINE. An Unusual Visibility of the New Moon Invested by Experts.

surface to the moon. This phenomenon is reflection; the other one was refraction.

The amount of reflected light is variable, as well as that which is refracted. What is called "earthshine" is much brighter at one time than another. Attention has recently been directed to a statement made by G. E. Lumsden, precident of the local astronomical society in Toronto, on this subject. He reports that on the evening of March 22, when the moon was nearly new, the dark portion was so distinctly visible that several of the most prominent formations, seas and mountain ranges could be identified with an opera glass. The part of the earth which was turned toward the moon at that hour embraced western America, the Pacific Ocean and Eastern Asia. Mr. Lumsden has seked for information tending to show whether or not any exceptional causes were at work in this quarter of the globe to account for the unusual degree of illumination.

The matter has been investigated by the United States Weather Bureau and it now reports that of the area which was concerned in producing the earthshine about fifteen per cent. was land and eighty-five per cent. was water. Four-tenths of this land is covered with cloudiness in March, on the average, and a about four-tenths with snow. Over the ocean the normal percentage of coludiness for the same months is about sixtenths. Log books of Pacific steamships have been consulted to see if there was an unusual amout of cloud on March 22. The lower side of a cloud is likely to be dark, but the top is white when in a flood of sunshine. Hence it is assumed that the greater the cloudiness the more powerful would have been the reflection. No definite evidence of the prevalence of more than the ordinary amount on the date mentioned has been senued. But granting that there was enough to raise the proportion to seventenths, Professor Abbe doubts whether the difference would account for the observed effect.

He suggests another explanation, however, which clears up the mystery in a rather more satisfactory manner. Th

KILLED AT ARLINGTON.

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An Unusual Visibility of the New Moon Invested by Experts.

From New York Tribune.

There are two acts of conditions under which it is possible to see light on the carth. One of the conditions where the benefit of the carth. One of the conditions where the benefit of the carth. One of the carth of the carth of the carth is bent from its natural path to illuminate the moon faintly, even while it is in the earth's shadow. The moon will sometimes be dim and dusky during an ecilipse, and sometimes it has a fairly bright copper color. The degree of illumination depends upon the clearness or cloudiness of the earth's atmosphere in the regions where the bending occurs. The other situation is produced when the moon gets between the earth and the ward its satellite is brightly illuminated by the sun, whereas the side of the moon which is directed toward the earth and the ward its satellite is brightly illuminated by the sun, whereas the side of the moon which is directed toward the earth and the ward its satellite is brightly illuminated by the sun, whereas the side of the moon which is directed toward the earth and the ward its satellite is brightly illuminated by the sun, whereas the side of the moon which is directed toward the earth reached the carth and the ward its satellite is brightly illuminated by the sun, whereas the side of the moon which is directed toward the earth reached the carth and the ward its experts of the moon. This phenomenon is reflection; the other one was refraction.

The amount of reflected light is variable, as well as that which is refracted to the moon which is called "earthshine" is much brighter at one time than another. Attention has received the hearth and the part than the condition, the condition of the carth reached t

HISTORIC WAMPUM BELT.

Perpetuates Declaration of Peace Between Algonquins and Five Nations.

Robert Hamill Crushed by Rock—Bert Robert Injured.

Nelson, Sept. 18.—Robert H. Hamill, who for the past seven months has been man, met with a frightful accident in one of the Arlington stopes yesterday morning which resulted in his death three hours later. The fafality occurred a few minutes before the day shift attred to enter the mine, and in a new stope just being opened up.

The supposition is that Hamill was examining the work of the men who had he ben blasting in the stope on the precious night, and the accident was caused by the falling of rock from the voor that had been loosened by blasting, the work of the men who had started at once to investigate. They go found Hamill and Bert Robert, who was with him, pinned to the floor. Hamill had both legs crushed. Porter was struck on the back of the head and had his faw broken. Porter about the refused to let the rescuers do anything for him until the foreman was go tout.

Hamill was conscious when reached, the was power eries to help himself. He was carried at once to the bunk house and Porter and the quarter of a mile on foot with the assistance of a couple of miners. A messenger was at once despatched to the defeat of the Algonquin seged in a desperative structure beside that of his wife.

Porter was removed to the miners thought the severe and painful, are not regarded as severe and painf

up against the car, so as to save space in the car barn.

TORONTO'S SELECTION.

The Twentieth Century fender is the city to enter into an agreement for that purpose. The decision of the provincial engineer leaves the matter clear, and the city council will no doubt accede to the company's request.

The Twentieth Century fender which has thus received the approval of the Ontario government and the choice of Toronto Street Railway Company is the invention of Mr. W. T. Watson, of Victoria, a motorneer of the B. C. Electric Railway. The fender is the same as the one that may be seen on the new large cars in this city. Mr. Watson is now in the East in connection with the

Notice is hereby given that 30 days after date I intend to apply to the Chief Commissioner of Lands and Works at Victoria, for a licence to prospect for coal upon the following described lands, that is to say, commencing at a post marked W. W. Alton N. W. corner, adjoining N. Alkins' S. W. corner on the south branch of Telkwa river, thence 80 chains east, thence 80 chains south, thence 80 chains west, thence 80 chains north to place of beginning, containing 640 acres of land more or less.

Dated this 17th day of June, 1901.

W. W. ALTON.

Notice is hereby given that 30 days after date I intend to apply to the Chief Commissioner of Lands and Works at Victoria, for a licence to prospect for coal upon the following described lands, that is to say, commencing at a post marked Thos. H. Brown, N. E. corner, adjoining Frederick E. Tobias, S. E. corner on the south branch of the Teikwn river, thence 80 chains south, thence 80 chains west, thence 80 chains north, thence 80 chains east to place of beginning, containing 640 acres of land more or less.

Dated this 17th day of June, 1901.

THOMAS H. BROWN.

MILES CANYON AND LEWIS RIVER TRAMWAY COMPANY.

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Last year's experience would teach the wise farmer the necessity of having on hand a sufficient supply of PARIS GREEN for the CUT WORM. Its timely use will put dollars into your pocket. 30 cents per pound at our store.

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