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JUNE 2, 1904

THE FARMERS ADVOCATE.

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consists of a wireless receiver and a transmitter combined. The transmitter remains constantly working, and the vibratory waves are reflected by a metal object on the other ship and return to the receiver.

On May 19th, Mr. Perdicaris, a wealthy American resident of Tangier, and Mr. Varley, his stepson, a British subject, were carried off by the brigand, Raisuli, with 150 armed men. The outlaw has written to the Sultan's representative at Tangier, stating that the prisoners will be held until certain terms are granted, one of these being that the Sultan shall withdraw his army, which is at present engaged in fighting the refractory tribes. It is said that the attitude of the Moors toward Europeans is becoming so antagonistic that Europeans throughout Morocco are moving speedily to the interior of the towns.

Fighting continues in Thibet. On May 20th, a party of British mounted infantry (18 men), who were conveying the mail bags to camp, were ambushed by the Thibetans. After a sharp engagement, however, in which they lost one man killed, two wounded, and seven horses, they were relieved by a party under Col. Otley, who pursued the natives to a point four miles south of Gyantse, where, finding the Thibetans collected in great numbers, he was compelled to retire. Twelve or fifteen Thibetans were killed during the fray. An interesting point in connection with the Thibetan campaign is, that the troops are fighting at an altitude higher than has ever been known before in military history.

It was announced in Montreal on May 20th that the Canadian Marconi Co. have completed arrangements with the Government for the erection in the Gulf of St. Lawrence, of seven wireless telegraph stations. Fame Point on the Gaspé Coast, Health Point on Anticosti Island, Point Amour on the Labrador coast, Belle Isle Station on Belle Isle, Cape Race, Sable Island, and a point on the Straits of Canso, have been chosen as suitable locations for the stations. Two men, one for day and one for night duty, will be placed at each station. The stations will be erected by the Marconi Company at their own expense, but will, after their completion, be taken over by the Government. The Marconi Company, however, will control the management, the Government allowing a certain sum for main-

tenance. Government messages will be sent free, while commercial business will be under control of the Marconi Company. The Marconi Company also bind themselves to give all possible aid to vessels in distress.

Radium is still a great mystery. Not long ago, Sir William Ramsay propounded the theory that this wonderful substance is only a temporary phase of matter whose existence is probably limited to 1,150 years' duration. Now, Professor Ernest Rutherford, of Montreal, comes forward with a startling idea, which has caused much interest and discussion in scientific circles. According to Mr. I. N. Ford, who writes to the Tribune of Dr. Rutherford's lecture, this theory presents a new solution regarding the earth's heat. "Instead of accepting the scientific tradition that the earth is a molten mass which has been cooling off for millions of years," writes Mr. Ford, "he suggested that radium was the source of heat, and was not only in the atmosphere, but in all matter. He considered that radium had been found in sufficient quantities already to be accounted as the source of heat, and that it was unnecessary to allow a hundred million years for the cooling process before life was possible, as eminent biologists and geologists had contended. The lecture was attended by the greatest men of science in England, and the conclusions of Professor Thomson's distinguished pupil were regarded as revolutionary."

The Japanese have again been victorious, this time in the vicinity of Kinchow, where, on May 26th, one of the fiercest engagements of modern times took place. As a result of the victory, the Japanese captured 50 guns and cleared the way to Port Arthur. Dearly, however, did they pay for their victory, losing in all, 3,000 men killed and wounded, a loss even greater than that of the Russians, who left four hundred men dead on the field, and whose total casualties are estimated to amount to something over 2,000 men. Had it not been for a most fortunate occurrence, a different story might have been told of the battle of Kinchow. This was the discovery of the electric wires leading to a system of mines placed at the foot of Nan-Chan Hill, the intentions of the Russians being to explode these as the Japanese infantry passed over the ground where they were. Upon the following day, the Japanese drove the Russians from Nan Kwan Ling, and so isolated Dalny. They also drove them out of San Chilipu

Station, north-west of Dalny. The Russians, seeing that they could not hold the station, burned it, then retired in the direction of Port Arthur. At present the Japanese are resting. When rested they will again press on toward the south, where further developments may be expected in the vicinity of Port Arthur.

NOTES AND NEWS.

Thirteen persons were killed, three fatally injured, and five hurt by an explosion on a tow-boat, near Louisville, Ky., on May 26th.

On May 24th, a snowstorm which lasted twelve hours occurred in Montana, the snow falling to a depth of from one to six inches.

"As the soil, however rich it may be, cannot be productive without culture, so the mind, without cultivation, can never produce good fruit."—Seneca.

"A man must be both stupid and uncharitable who believes there is no virtue or truth but on his own side."—Addison.

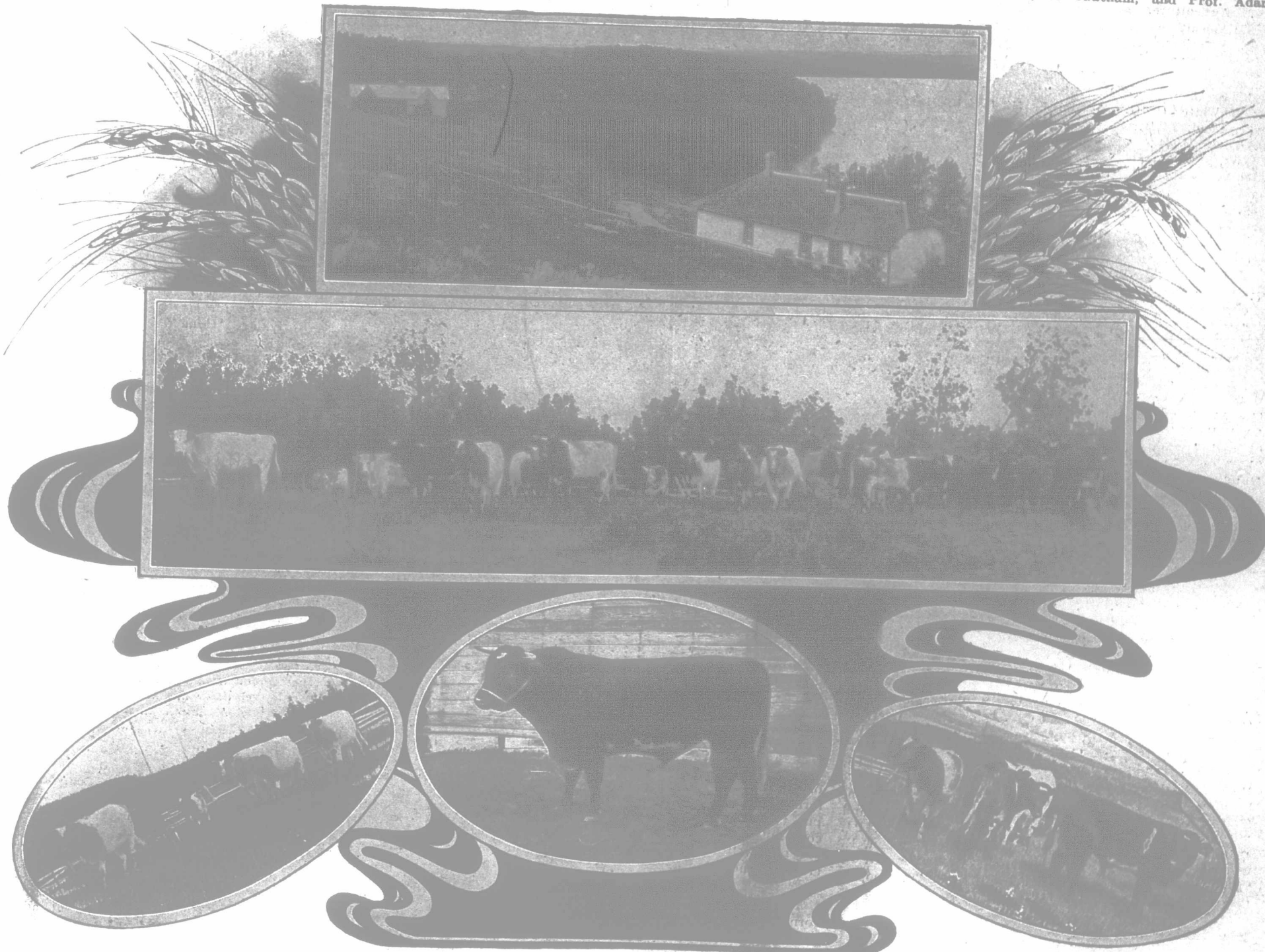
The Ontario Bureau of Mines is sending out a party under the leadership of Dr. J. M. Bell, to make further explorations in the iron fields of the Michipicoten District, which has been described as one of the most promising iron fields in the Province.

On May 26th, the town of Amherstburg, Ont., was struck by a cyclone which raged for nearly an hour, unroofing the Lake View Hotel, partly wrecking the courthouse, and causing considerable damage to other buildings and to the telegraph lines.

Prof. H. H. Dean, of the Dairy Department, O. A. C., Guelph, Ont., is booked for an address at the Courthouse, London, on Thursday, June 9th, at the annual meeting of the East Middlesex Farmers' Institute. Subject: "Dairy Farming."

The Ottawa Citizen Company has just completed a new six-story fireproof structure, which is one of the finest newspaper buildings in Canada, and is a credit to the Canadian Capital. The Citizen Company has also installed a new three-deck Hoe press with a capacity of 24,000 papers per hour.

Mr. H. J. Pettypiece, M. P. P., of East Lambton; Judge Archibald Bell, of Chatham, and Prof. Adam



Scenes About Pinehurst Shorthorn Ranch. Owned by Robt. Page, Pine Lake, Alta.