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ST. JOHN STAR.

ST. JOHN, N. B., MAY 27, 1907.

WIRELESS TELEGRAPHY.

Dr. Alexander Graham Bell, inventor of the telephone, has lived to see the day on which the apparatus designed by him has been brought to a high state of perfection, and has become one of the greatest of modern conveniences. Will Marconi, whose name has rather unfairly been placed at the head of the list of those who are developing wireless, be able before his life work ends, to so perfect his ideas that the transmission of messages through space will be as easily carried on as is now done by wire? The chances are that he will, for the strides made in this branch of electrical research in the past decade, have been such as would indicate even greater achievements in the almost immediate future. It took time to develop the telephone, time to apply the principles involved in the now common systems of telegraphy and electric lighting, but through the frequent discovery of new laws, and by reason of steadily increasing knowledge, problems which a generation ago seemed hopeless of solution are now passed carelessly over by the veriest novices in the science. Sir Oliver Lodge, whose name must stand among those of the foremost inventors of this age, expressed the opinion the other day that wireless telegraphy would never do away with the cable, but would supplement it, this service as the telephone has supplemented the telegraph. He hopes before very long to see some wireless system in practical operation for long distance work, but so far he cannot admit that this has been accomplished.

The first record of the transmission of messages without wires are somewhat vague. As long as half a century ago it was found that messages passing along wires could be tapped by parallel wires as seen on ordinary poles. This of course was due to induction and by the application of the same principle, messages were, in later years, transmitted for distances of twelve or thirteen miles, the leading scientists engaged in this development, being Sir Oliver Lodge, Sir William Preece and Willoughby Smith, Dr. Hertz, to whom must be given the place of honor in all wireless research, proved the existence of electromagnetic waves, the short high-frequency waves which must exist from any source of electric discharge. Hertz, however, did not appreciate the great value of his discovery and died without any realization of the possibilities of its application. His achievements, however, were eagerly taken up by others, and the Hertzian waves now make wireless telegraphy possible. Prof. Dolbear, of Boston, and Thomas A. Edison have, for both induction and direct energy, applied the principle of upright wires and ground connections, instead of parallel wires, and have had some success. The Branly coherer, a device containing filings was used in the earlier stages of development as a receiver; then came a steel disk revolving in a mercury bath, invented by Sir Oliver Lodge. Both of these have been found too slow for practical use and have been replaced by the ordinary telephone receiver which, up to date, gives the best results.

Marconi has seized upon the ideas of others, has perfected their designs, added many improvements of his own, and has succeeded in sending up an apparatus which will transmit messages for as great a distance as fifteen hundred miles. Dr. Lee DeForest has worked along somewhat similar lines, his chief accomplishment, however, being the invention of a receiver based on a certain well known but hitherto disregarded electrical principle. Messages have not yet been sent by wireless across the Atlantic. Statements have appeared from time to time to the effect that this has been done, but they are not generally accepted. It is, however, a fact that wireless systems are in perfect operation over distances up to twelve hundred miles, and have been found successful for even fifteen hundred miles. Yet there are other improvements which must be made before wireless can in any sense be regarded as a competitor of the wire. A more sensitive receiver than those now in use must be produced, a closer and finer tuning must be arranged to prevent confusion of messages, and means must be adopted for increasing the elevation of sending stations. It is now generally accepted belief that the waves from sea level is not what is chiefly required, but rather elevation from ground. A station built on a mountain is effective only in so far as the energy transmitted is uninterrupted by magnetic bodies on the surface of the ground, but the transmitting wires must be high in the air, and the higher they are, the greater distance will the messages carry.

These, however, will all come in time. To people of the present age who are accustomed to seeing things go with a rush, the comparative slowness with which wireless telegraphy is being developed appears unusual, but when we consider that this science is as yet only in its infancy, the achievements of the past ten years must be regarded as altogether remarkable. It is only ten years since the first wireless demonstration was given, and look at what is being done today.

IN NATURE'S GARDEN.

Starlight flowers! blossoms of sweetness, blooming in beauty on sun-kissed green; Diffusing pure fragrance in ideal completeness. Fashioned, engorged for stainless stem.

Giant trees! relics of meretricious ages, looming in power and standing strong; Filling with time earth's well-worn pages, Swelling the chorus of nature's song.

Heaven's adorning! mirrors of gladness in star-filling streams with twilight eyes; Leading afar from the depths of sadness, Crowning fair visions; beautiful skies!

Four forth thy song! let the glories awake thee, Soul that so long time hast silent felt; Rise from thy slumber, let energy take thee, Speed from the mound where thou long hast knelt.

May the cool air of the balmy stillness Calm tired hearts, that have lost life's joy; Healing breezes that cure all illness Blow on the stricken without alloy.

In nature's garden we happy wander, Losing our cares in the setting sun; Reaching for gems which shine up "yonder," We'll gain nature's breast when our work is done.

—Len Wilson.

"The Scotch," said Secretary Wilson of the United States Department of Agriculture, "are certainly a wise people. Now, there was a visitor in the little town of Bowdoin who, on looking about, saw no children, but only grown men and women. He wondered at this and, finally, meeting a man, the Scotchman, inquired: 'How often are children born in this town?' 'Only once,' the man replied, as he proceeded on his way."—Saturday Evening Post.

"Marquis, is it possible to confide a secret to you?" "Certainly I will be silent as the grave," "Well, then I have absolute need of two thousand francs." "Do not fear; it is as if I had heard nothing."—Transatlantic Tales.

"I knew," he declared, "that we were meant for each other from the very moment I first saw you." "I knew it," she replied, "long before that." "Yes, I may tell you now in confidence, since we're engaged and it's all settled, that mamma had been warning me of your accidental meeting for three months."—Judge.

When 20,000 fans turn out And root with all their might, 'Tis then the home team weakens and Gets beaten out of sight.

—Chicago Tribune.

THE FETTER OF THE FLAG.

To the Editor of The Star: Sir—One can make a fetish of anything and every country in these days is determined to have one in the shape of its particular flag. The teaching in all schools is that "we must be loyal to our colors," and as the Anglo-Saxon is on the topmost wave in this special day of grace it is the Union Jack and the Stars and Stripes to which our eyes are uplifted. Great Britain and the United States adopt the same line of instruction as to their own banner, and no mistake could be possible in the minds of children receiving such teaching, for in spite of the desperate effort making at present in the direction of fraternity toward England by our powerful neighbors, even the very little children are quite aware that "we licked the British once, and we could do it again!"

Anglo-Saxon civilization seems to lack something in the year 1907. While "My country 'tis of thee, Sweet land of liberty, Of the 13 stars," such books as "The Long Day," "The Woman Who Tolls," and "The Jungle," seem to sing another song. Then, too, there seems to be lack of harmony in Great Britain. It was not the Union Jack that London's processions of starvelings marched under last year; their banners bore such inscriptions as "We want work, not charity," while they sang the Marseillaise, heard for the first time in London streets.

And in our fair Canada, while such tragedies as occurred several times last winter in different cities, of old, destitute couples committing suicide, that they might pass together out of the existence they could no longer face, having no money, no friends—while such things as these are possible shall we spend thousands on preparing for a war that cannot come unless we invite it? "Armed peace is the chief cause of poverty in Christendom." Two-thirds of the nation's revenues are on an average, spent upon "national defence."

Shall not our teachers dare to be independent enough to put the history of the mother country, with no mental reservations, though that is included in the hoary-headed belief that patriotism is not right but might has right and does rule. All this frantic endeavor to implant patriotism (?) in the children is altogether associated with the power of weapons and warfare. The child receives the impression he is intended to receive and the worship of the flag means that he shall learn to use deceit, cruelty and oppression and to call them by other names, because his country's record must be kept sacred, glorified and emulated. Our flag does not yet wave over true patriots.

PEACE.
St. John, N. B., May 27.

ENGINEER AND TRAMP BATTLE ON FAST TRAIN

Former, Thinking Intruder a Robber; Grapples With Him in Cab.

Hobo Then Explains He Was Stealing Ride and Only Wanted to Get Warm

SAYRE, Pa., May 26.—Thinking he had a train robber in his grasp, William Fisher, a Lehigh Valley engineer, had a desperate fight in his cab with a hobo early yesterday morning, while the train was speeding to the summit near White Haven.

Fisher pulls express train No. 19 regularly between Easton and Sayre. The train is one of the fastest on the road, and it carries no passengers. The safes in the express train usually contain large amounts of money in transit from New York banks to the West. In order to make time up the mountains near White Haven, another locomotive was coupled ahead of the one Fisher was driving.

In the gleam of the headlight shining from his machine against the tank of the helping engine ahead, Fisher saw a human form on the running board. He thought the freeman ahead was coming back for instructions, so he opened the door of his cab. A big man entered, and Fisher realized at once that he had made a mistake.

In a guttural voice the intruder cried, "Leave me alone!"

Before Fisher could gather his wits, the fellow crushed him against the side of the cab. Instantly through the brain of the engineer flashed the thought of the treasure in the express cars behind.

Visions of western highways tried to take to their trade in the east fled his mind.

He thought the intruder was preparing to overcome him and stop the train in a desolate place where, confederates could rifle the safes. He seized a wrench, but the first blow missed its mark. The man clinched.

Fisher is a large man, but his opponent was much larger and much stronger. For a moment they scuffled, but several moments until, in the dim light from the small gauge, Fisher saw an opening, and the wrench descended on the head of the giant. He fell against the rear door of the cab. One of Fisher's hands sought the whistle rope, and the freeman replied to the call.

One blow from a coal pick held by the freeman, broke the glass in the rear door and sent the intruder sprawling to the cab floor. Then Fisher shut off steam and signalled the locomotive ahead to stop. The man was pinned to the cab floor, then exploded that he was cold, that he had been riding on the pilot, and that he simply entered the cab to get warm.

Fumes of whiskey on his breath substantiated the story that he was simply a hobo, and after obeying his wishes, Fisher got off and hurrying to the pilot, and the express train continued its journey.

WEDDING FOLLOWS TRIAL FOR MURDER

Providence Maiden Marries Man Acquitted of Killing Her Father

PROVIDENCE, R. I., May 26.—A sequel to the Rizza-Todischio murder trial, the marriage of the young man who was acquitted of killing Todischio to Todischio's daughter.

Antonio Rizza had been paying attention to Battista Todischio, with the intention of marrying her, his wife, Luigi Todischio, the father objected to the match, and finally forbade the young man to come to the house. Dec. 1, 1906, Todischio, having on the previous day kicked Antonio out of doors, met the young man on Atwell's avenue street, and they fought.

While they were walking along the old man, according to testimony given at the trial, turned upon the younger man and in a few seconds they were down on the sidewalk in a wrestling match. In the midst of the struggle Antonio's revolver was discharged and Todischio received a mortal wound.

The young man was arrested soon after and was indicted upon the charge of murder. He was tried last week and offered the plea of self-defense, alleging that he was acting wholly upon the defensive and that his weapon was accidentally discharged. The witnesses called in his behalf gave such strong supportive testimony that Antonio was found not guilty, there being none who rejoiced more than Battista.

This afternoon they called at City Hall and obtained a marriage license.

"Get another doctor," demanded Mr. Gotrox, "to pass on my ailment." "Are not four physicians sufficient?" "Yes; but I don't want to risk no tie vote."—Washington Herald.

Housecleaning!

Household Ammonia, 10c pt
Babbitt's Potash, 12c tin
Gillette's
Bug Poison, 25c bt
Furniture Polish, 25c bt.

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and from 2 p. m. to 6 p. m.
Phone 177.

Tiger Tea Is Pure.

DEATHS.

McLAUGHLIN—In this city, on May 26th, Mary McLaughlin, eldest daughter of Elizabeth and the late Edward McLaughlin, in her 28th year.

RITCHIE—In this city, on May 26th, Charles R. Ritchie, aged 93 years.

Funeral service to be held at 2:30 Monday from above address.

CLARK—At Lancaster, on the 27th inst., Anna L. Clark, wife of the late George Hunter Clark.

Funeral on Wednesday afternoon at 2 o'clock, from her late residence, Tower street.

Monday, May 27.

Store Open till 9 p. m.

Repair the Holiday Footwear Damage

Gentlemen can be fitted at prices ranging from \$1.40 to \$5.00. Ladies' low shoes from \$1.25 to \$3.00. Ladies' lace boots from \$1.40 to \$3.50. Girls' school boots, price right.

If footwear is costing you too much, see our styles, get our prices and know our qualities.

Percy J. Steel, Foot-sher,

319-321 Main St. A.C.

Successor to Mr. Wm. Young.

WAS MAKING BOMB WHEN IT EXPLODED

Russian Terrorist Badly Injured in Paris.

Little Light on Mystery—Students Holding Revolutionary Meetings Regularly

PARIS, May 26.—A Russian named Petroff, a member of the Terrorist organization, was yesterday severely injured by the accidental explosion of a bomb which he was manufacturing in the departments of a friend, named Slepner, in the Rue d'Ufa. Researches by the police have thrown little light on the mystery. Another Russian, Berkoff, was arrested in connection with the affair, but was released, as he proved that he was only an unconscious tool of Slepner, and was used by him to ascertain whether the police were in possession of his rooms.

Berkoff was unable to get a certain book from the Russian library and Slepner, who was present, offered to lend the book to him, giving Berkoff the key of his room to get it. Slepner doubtless followed him and saw Berkoff arrested. He then disappeared.

Mr. Bechewsky, Slepner's mistress, has been found at Eldo. She proves to be a dressmaker. The warrant for her arrest has been changed to one demanding her evidence.

Russian students meet regularly at the Casino des Fleurs, where they deliver revolutionary orations. Petroff was recognized at a meeting. The policemen were seeking to discover if Petroff had been acting alone.

A hundred kilos of cheddite, an explosive like nitroglycerine, has been seized at a railway station here. It is believed that it was consigned to Nihilists.

It is noteworthy that a series of Russian concerts is going on at the Opera House, at which many Grand Dukes are assisting. One immediate result of the affair has been that many Russian students have resolved notice from their landlords to quit.

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Household Ammonia, 10c pt
Babbitt's Potash, 12c tin
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Bug Poison, 25c bt
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WOOD—When you are thinking of Wood—Hard, Soft or Kindling—call up 468.

City Fuel Co.,
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White Clover Bread!

Because wrapped just after leaving oven.

All Handling on Wrapper.

CLEAN FROM Baker to Eater.

French Town Much Excited Over Second Mysterious Disappearance From Family.

PARIS, May 25.—Sartroville is in a state of excitement over the disappearance of a girl called Marguerite Genest, aged 14. A few days ago a girl's dead body was taken from the Seine at Prete and buried there without being identified. The girl's clothes were kept, and a gendarme who knew about the disappearance of Marguerite Genest showed the clothes to M. Genest and he recognized them as belonging to his daughter.

Marguerite was blond; the corpse was dark-haired. Marguerite, though big for her age, was only 14; the doctor asserted that the corpse must have been 18 or 20.

There are some facts connected with the case which make it all the more complex and mysterious. M. Genest's first wife, by whom he had three children, is dead. After her death he lived with a Mme. C— by whom he had three more children. He has since broken off relations with Mme. C— and married again.

M. Genest took out a life insurance

Men's \$4.00 Shoes At \$3.50!

Probably one-fourth of them are \$5.00 Shoes. Most are from \$4.50 lines.

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A line of tonsorial requisites that is very much in demand. Having supplied my store with a large stock I will promptly fill all orders.

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15c, 18c and 20c Paper Reduced to 10c.

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20 Bales—10,000 Rolls received this week at 50% off regular prices.

10c Papers, wide border 12 1-2c, 15c 25c

Special discounts, 20%, to property holders, 20 p.c.

Our large assortment of Canadian and American Wall Papers, including the productions of five factories, gives the buyer an excellent selection of papers at moderate rates suitable for parlors, dining rooms, halls, etc., etc., at 5c to 50c and 75c per roll.

ALSO—20 dozen Odd Blinds. Regular 50c to \$1.00 At Half Price

BARGAINS ARE IN ORDER—AT

D. McARTHUR'S, 84 King St.

MORGAN PAYS MILLION FOR ART COLLECTION

Financier Buys Carvings, Statuary and Furniture in French Capital.

NEW YORK, May 26.—It is learned that J. Pierpont Morgan has purchased in Paris for more than \$1,000,000, the great Hontschel collection of carvings, statuary and furniture, considering by experts the greatest assemblage of objects of the applied arts and crafts in the world.

Many of its carvings, panels and paintings were taken in times of violence from churches, cathedrals and palaces, and others are of such importance that there was good ground for the apprehension that they might be in some way detained, although France has as yet no such drastic prohibition on the exportation of art works as that which obtains in Italy.

News was received here yesterday that the last consignment of the splendid collection was on its way to the United States, and that there was no longer any cause for fear of official interference.

Mr. Morgan has not as yet decided what disposition he may make of the entire collection, but it was learned yesterday that he has already given a part of it to the Metropolitan Museum of Art.

Your Hair Needs Care

A little time devoted to the care of the hair works wonders. Just use Ayer's Hair Vigor, the new kind, systematically and conscientiously, and see the result. Stops falling hair, cures dandruff, makes the hair grow. Ask your doctor about this. We publish the formulae of all our preparations.

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