WONDERS OF WIRELESS

LATEST EXPERIMENTS TOLD BY MARCONI.

One Enables Ship to Determine Position of Other Vessel Sending Messages.

That wireless telegraphy has not yet exhausted its store of wonders and surprises was proved in an interesting talk with Mr. Marconi at his London office recently.

The tall, athletic, well-groomed young man, greets you in breezy fashion, and in such perfect English that his Italian name is forgotten, and you remember only that his mother was Irish.

"Oh, yes," he said, "I'll tell you what I'm trying to do, and what are my hopes, but please don't let us have too much of the I—I—I.

BOTH DIRECTIONS AT ONCE.

"Most people know all about the regular service which the Marconi Wireless Telegraph Company is now maintaining across the Atlantic. It began in October last with the exchange of messages between King Edward and Earl Grey, Governor-General of Canada, and we are now sending about 2,000 words across daily.

"We can send twenty-four words a minute across the Atlantic, or forty-eight when we can use the duplex system. But at present we can only send messages one way at a time. If an operator tried to send a message across while he was receiving one there would be great confusion, one man firing against another"—and Mr. Marconi waved his hand to suggest a grand collision of language in mid-Atlantic.

"But lately I have been experimenting with apparatus which will enable us to send a message in both directions at once. The experiments have been quite successful over a distance of three or four miles at Poole, in Dorsetshire, and I anticipate equal success before long across the Atlantic.

CAN DETERMINE POSITION.

"That is one of my latest experiments. Another is to enable a ship approaching the shore, or another ship in a fog, to determine exactly the position of the wireless station on shore or the course of the other ship. You can see, of course, how it will help a navigator if he is able to know, not only that another ship is approaching, but the exact angle the course of that ship makes with his own.

"It is perhaps a little difficult to explain the idea to the general reader but here it is roughly," and Mr. Marconi sketched rapidly on his blotting pad while he spoke. "We get, you see, a screen with a small hole in the centre. This is turned about in the direction from which the other ship, or the shore station, is known to be telegraphing, until the ringing of a bell, caused by the waves entering the hole in the screen, shows that the exact direction from which the wave is coming has been ascertained.

"I shall be carrying out experiments on these lines in the Mersey in a few weeks. The idea is being specially welcomed by shipping authorities on the St. Lawrence River, where fog so often hinders navigation.

NO WIRES TO CUT.

"At present the trans-Atlantic service, from Clifden, Ireland, to Glace Bay, Nova Scotia, a distance of 2,300 miles, is our longest regular system, but I see no reason why the most distant parts should not be thus connected, and to a country like Great Britain, with her far-off colonies, the possibilities are enormous.

"In undeveloped lands, too, like Africa, its future seems assured. One of its great advantages is that there are no wires to cut. The cutting of telegraph wires by savage or half-civilized tribes, out of ignorance or mischief, has always been a difficulty. In China, too, where we have five stations, this same point holds good, especially in view of the fact that superstitious dread of shadows falling on ancestral graves has often led to the removal of wires and poles. Think, too, of the anxiety that we should have been spared if the beseiged Legations in Pekin a few years ago could have communicated with the allied European fleets by a system which no wire-cutting could hinder.

Count the cups and count the cost. Much is saved by using "Salada" Tea. Sold only in sealed lead packets, never by peddlers or in bulk.

ITALY TO BUY STATION.

"At the present time a bill is before the Italian Parliament for the purchase by the Government of the Marconi station at Bari, near Brindisi, which communicates with Montenegro across the Adriatic. In his speech, the Minister for posts and telegraphs said that this station had, in its three years' working, given proof of its efficiency and reliability, and he proposed its purchase with every confidence. This testimony to our system is, of course, very gratifying."

Then with a sigh over the fact that business cares had for some time kept him from his beloved experiments, to which he will shortly return, Mr. Marconi brought the interview to a close.

LIVED AFTER BEING HANGED.

No Drop used at Executions in the Early Days.

Innumerable instances of resuscitation after hanging are recorded. Henry III. granted a pardon to a woman named Inetta de Balsham, who was suspended from nine o'clock on a Monday, to sunrise of Thursday, and afterwards "came to." Dr. Plot tells of a Swiss who was hung up thirteen times without effect, on account of the peculiar condition of his windpipe, it having been converted into bone by disease.

Annie Green, a servant-girl, was hanged at Oxford in 1650, and recovered fourteen hours afterwards under a doctor's treatment. Mrs. Cope, who was hanged at the same place eight years later, also recovered. On September 2nd, 1724, Margaret Dickson was hanged at Edinburgh, and recovered while being carried to the grave. She lived for many years afterwards, and was universally known as "Half-hanged Maggy Dickson."

A housebreaker named Smith was hanged at Tyburn in 1705. A reprieve came when he had been suspended a quarter of an hour. He was cut down, bled, and revived. William Duell, hanged in London in 1740, revived and was transported. A man hanged in Cork in 1765 was taken in hand by a physician, who brought him round in six hours, and we are told the fellow had the nerve to attend a theatrical performance the same evening.

Richard Johnson, hanged at Shrewsbury, October 3rd, 1696, obtained a promise from an undersheriff to place him in the coffin without changing his clothes. After hanging half an hour he still showed signs of life, and on examination it was found he had wrapped cords about his body connected with hooks at the neck which prevented the rope from doing its work. The apparatus was removed and the man hanged effectually.

It may be offered in explanation of the cases mentioned that there was no drop used at executions in those days, the culprit usually suffering asphyxia without the cerebral column being broken.

KEEP CHILDREN WELL DURING HOT WEATHER

Every mother knows how fatal the summer months are to small children. Cholera infantum, diarrhoea, dysentery and stomach troubles are alarmingly frequent at this time and too often a precious little life is lost after a few hours' illness. The mother who keeps Baby's Own Tablets in the house feels safe. The occasional use of Baby's Own Tablets prevent stomach and bowel troubles, or if the trouble comes suddenly—as it generally does—the Tablets will bring the little one through safely. Mrs George Howell, Sandy Beach, Que., says:—"My baby was suffering with colic, vomiting and diarrhoea, but after giving him Baby's Own Tablets the trouble disappeared. I would advise all mothers to keep a box of Tablets always at hand." Sold by medicine dealers or by mail at 25c. a box from The Dr. Williams' Medicine Co., Brockville, Ont.

NONSENSE VERSES.

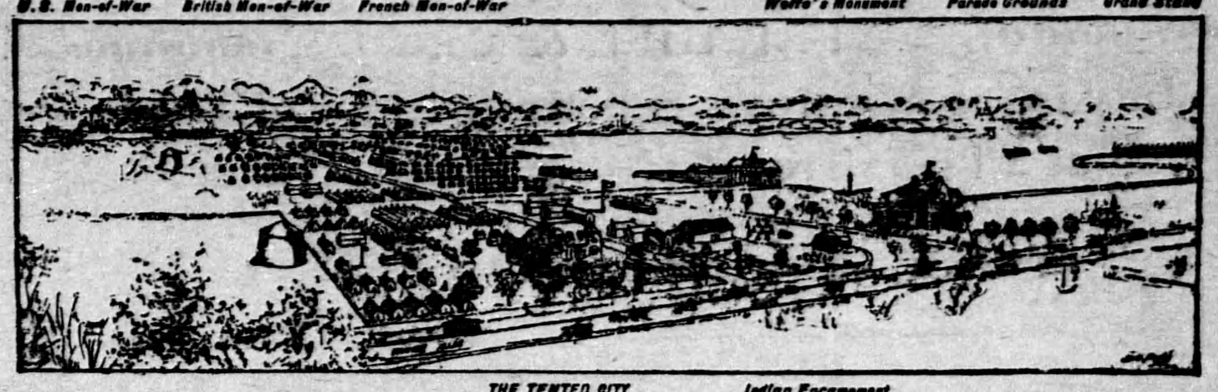
Miss Marcella had a cat,
The cat she had a feller;
Their backyard concerts so annoyed,
Ma made Marcella sell her.

Miss Lena weighed an awful lot—
Pudgy! You should have seen her—
But her new gown, striped up and down,
Seemed to make Lena leaner.

Louise a pair of booties bought,
Though they were number threes,
They pinched, and so she changed them for
A pair that gave Loo ease.

Laziness is a habit that grows fast and clings close.

THE "TENTED CITY" AT QUEBEC.



Visitors to the great Tercentenary Celebration will find at the "Tented City" every convenience to be had at a good hotel, combined with the delight of sleeping under canvas.

On the top of the cliff—commanding a magnificent view of the St. Lawrence, with the Naval Review; of the Pageants on the Plains of Abraham, and of old Quebec—a city of tents is being erected to provide accommodation for thousands of guests.

Three huge Dining Tents will seat 1,500 at once, and, under the management of an efficient caterer, meals will be served here to guests at 50c each. In another tent meals will be served at 25c.

Five perfectly equipped Lavatory Tents, connected with the City mains, are provided—the one for Ladies in a separate part of the grounds.

Sleeping Tents are of three sizes.

Class "A," holding 12 comfortably. Costs for the whole celebration—12 days, with 2 days before and 2 afterward if desired—$150. Separate beds $1.50 per day.

Class "B," holding 5, or 4 comfortably. For full term, $75. Separate beds $2 per day.

Class "C," holding 3, or 2 comfortably. $60 for full term. Separate beds $2 per day.

A Class "A" tent just suits a large party, and a "B" or "C" a small party or family. The cost is considerably reduced by taking the whole tent.

Express, Baggage and Post-offices, Safety Deposit Vaults, Electric Light, Police Protection and Attendants are provided.

Write to-day for Programme of Events and Application Blanks, and reserve your accommodation. Or on your arrival go direct to the "Tented City" with your baggage.

Lots of accommodation in the "Tented City." Electric car line passes the main entrance; distance from Grand Stand five minutes walk. Plenty of police and fire protection. First-class caterer from Boston furnishing meals from twenty-five cents upwards. One of the finest views in the world, showing the harbor and battleships and landing of Champlain.

Address W. A. H. WIGGS, Vice-President Tented City Co., Quebec, P.Q.

CUSTOMS REGULATIONS.

Respecting Free Admission of Animals for Improvement of Stock.

On July 1st there came into effect new regulations regarding the custom entry of animals imported into Canada for the improvement of stock. Heretofore all certificates of registration which were apparently genuine were accepted by custom officers for the purpose of free entry. Under the new regulations either a Canadian certificate of registration or an import certificate as the case may be must be presented.

Canadian certificates of registration must be presented at the Port of Entry for the following classes and breeds.—

Cattle.—Shorthorn, Ayrshire, Hereford, French Canadian, Galloway, Aberdeen-Angus, Red Polled, Jersey, Guernsey and Holstein.

Horses.—Clydesdale, Hackney, Shire, Percheron, Thoroughbred, Belgian and French Canadian.

Ponies.—Shetland, Welsh, New Forest, Polo, and Riding, Exmoor, Connemara and Hackney.

Swine.—Yorkshire, Berkshire, Tamworth, Chester White, Poland, China, Duroc Jersey, Essex and Victoria.

Sheep.—Shropshire, Lincoln, Oxford Down, Dorset, South Down, Hampshire and Leicester.

The Canadian Records for all above mentioned breeds with the exception of that for Holstein Cattle are conducted under the Canadian National System in the office of the Canadian National Records, Ottawa. The Holstein Records is located at St. George, Ont. In making application for the registration of an imported animal the foreign certificate of registration in addition to the usual application must be forwarded.

There are from time to time animals imported into Canada of breeds for which there are no Canadian Records but which are recorded in Books of Record of one the following recognized foreign Associations.—

Horses.—Suffolk Horse Society (Great Britain): Cleveland Bay Horse Society of Great Britain and Ireland, Yorkshire Coach Horse Society of Great Britain and Ireland; American Morgan Register Association; American Saddle Horse Breeders' Association; American Trotting Horse Register Association; Commission des Agriculturs de France (French Draft); Commission des Stud Book des Chevaux de Demi-Sang (French Coach): Landwirthschaftlichen Hauptverein fur Ostiriesland, (German Coach); Zuchtverband des Sudlichen Zuchtgebietses, (German Coach); Verband dur Zuchter des Oldesburger eleganten Schweren Kutscpferdes, (German Coach); Verband der Pferdezuchter in den Holsteininchen Merschem. (Oldenberg).

Cattle.—Highland Cattle Society of Scotland; Kerry and Dexter Herd Book (Dublin, Ireland); Sussex Herd Book Society (Great Britain); Polled Durham Breeders' Association (United States); National Polled Hereford Breeders' Association (United States).

Swine.—Large Black Pig Society, (Great Britain).

Sheep.—Suffolk Sheep Society (Great Britain), Kent and Romney Marsh Sheep Breeders' Association (Great Britain); Cheviot Sheep Society (Great Britain); Wensleydale Longwool Sheep Breeders' Association (Great Britain); Black Face Sheep Breeders' Association (Great Britain).

Goats.—British Goat Society.

Asses.—Societe Centrale d'Agriculture des Deux Sevres (France) Stud Books of Jacks and Jennets of Spain.

To secure free custom entry for an animal so recorded it is necessary to forward to the Canadian National Records, Ottawa, the foreign certificate of registration. The accountant of the Canadian National Records will return to the importer the foreign certificate to which will be attached an import certificate which will be authority to the custom officer to admit the animal duty free. A nominal charge will be made by the National Record for this service.

If future information is desired such will be supplied on application to the "Accountant" National Live Stock Records, Ottawa.

Ladies in Poor Health

Everywhere, especially those discouraged by failure of previous treatment are invited to write for **a free trial** of my home treatment, with interesting booklet, all postpaid in plain wrappers, with the most reliable references and proofs which will encourage the most disheartened. You can thus **quickly satisfy yourself, without cost** that this treatment is what you long have sought. I will reply promptly to all who write. Address,

MRS. M. SUMMERS,
Windsor, Ont.

KNEW HIS MAN.

Dr. Storey, the late principal of Glasgow University, taking a holiday in the country once, was met by the minister of the district, who remarked:

"Hullo, principal! You here? You must come down and relieve me for a day."

"I don't promise to relieve you," replied the principal, "but I might relieve your congregation."

A fat purse makes a good deal more than a slight difference.

HOME, SWEET HOME.

Stay, stay at home, my heart and rest;
Homekeeping hearts are happiest.
For those that wander they know not where,
Are full of trouble and full of care.
To stay at home is best.

Home—the name made dear by sacred associations, the place where childish feet take their first faltering steps and infant minds receive their first idea. There lessons of love and truth, of right and wrong, of faith and hope and purity are imprinted upon the plastic heart, and all the sorrows and perplexities of after life are inefficient to quite efface these first deep true impressions. Sweet home, where the mother's gentle hands prepare the little domestic comforts that a father's love provides, and filial affection is "the silver link, the silken tie," that binds the household band together. Trials may come and clouds may lower, but in the seclusion of home remains sweet healing for the wounds that brave and sensitive hearts hide from a disdainful world. There these hurts and distresses may be confidently revealed and a sovereign remedy found in its unquestioning faith. There a child's pure kiss or the touch of dimpled fingers may revive a soul on the verge of despair; and in the home the brightest dreams become more golden, the rarest pleasure more intense, the tenderest joys more serene. And if, in the varying degrees of fortune, its loving shelter must be abandoned, how the exile folds about his heart, as the traveller does his cloak, the memory of its lights and flowers, its loves and hopes and kindnesses.

There the noblest influences exist, the holiest impulses find expression, and there have been born the chaste and lofty sentiments that have made a whole world better.

ADVANTAGE OF PROVING SUPERIORITY.

"Pa," boo-hooed the chastised son, "if I had let Willie Simmonds lick me, instead of me licking him, would your've whipped me just the same?"

"Yes; but remember that in such a case you would be getting two lickings in place of one!"

Many a man pulls down his character in an effort to build up a reputation.

The wise guy who knows which shell the little pea is under is usually the first to yell when stung.

SHREDDED WHEAT

Now for Strawberries and Shredded Wheat.

Nature's purest and best food, insuring a clear head and healthy body.

Is Invigorating Without Being Heating.

Try it. Sold by all grocers