

# WIRELESS TELEGRAPH

Between Great Britain and France

IS NOW IN OPERATION.

The Apparatus Described—Its Inventor—May Work Across Atlantic.

LONDON, April 7.—"On behalf of the American people The World congratulates you on your marvellous achievement in transmitting telegraphic messages without wires between the shores of England and France, and expresses their hope that at no distant day these islands and the continent of America may be joined by the same magic bond."

This message was dictated last night by The World correspondent to the operators of Marconi's instruments in the little room attached to the South Foreland lighthouse, whence the first communication by wireless telegraphy was opened between England and France. It was despatched almost as speedily as by ordinary telegraphy, and shortly afterwards a reply came on the tape in a steady flow from the corresponding station at Wimereux, thirty-two miles across the Channel.

"We thank The World for its message on behalf of the people who have ever been foremost in inventive genius and cordially second the aspiration that this system may span the Atlantic Ocean as it now does the English Channel APPARATUS USED BY MARCONI.

The apparatus by which this momentous scientific development is attained stood on a little table in the centre of a plan room. Fifty primary cells in which the current is generated are under the table. When the operator made the contact by pressing the key, an electric spark three-fourths of an inch long flashed out from the knob of one pole to the other and escaped into space off a pole outside the building and was received instantaneously by the instrument at Wimereux. The poles at each station are 150 feet high.

The World's message was sent at the rate of seventeen words a minute, while the reply came at the rate of fifteen, the current employed being the same as that used in the messages to the East Goodwin lightship, only six miles away. The messages, both going and coming, were also recorded by a bell, whose sounds could be read by any one acquainted with the Morse code.

## ITCHING LIMBS

For Three Years. Nights Itching and Burning Terrible. Wife Suggests CUTICURA. Uses it. Presto! What a Change.

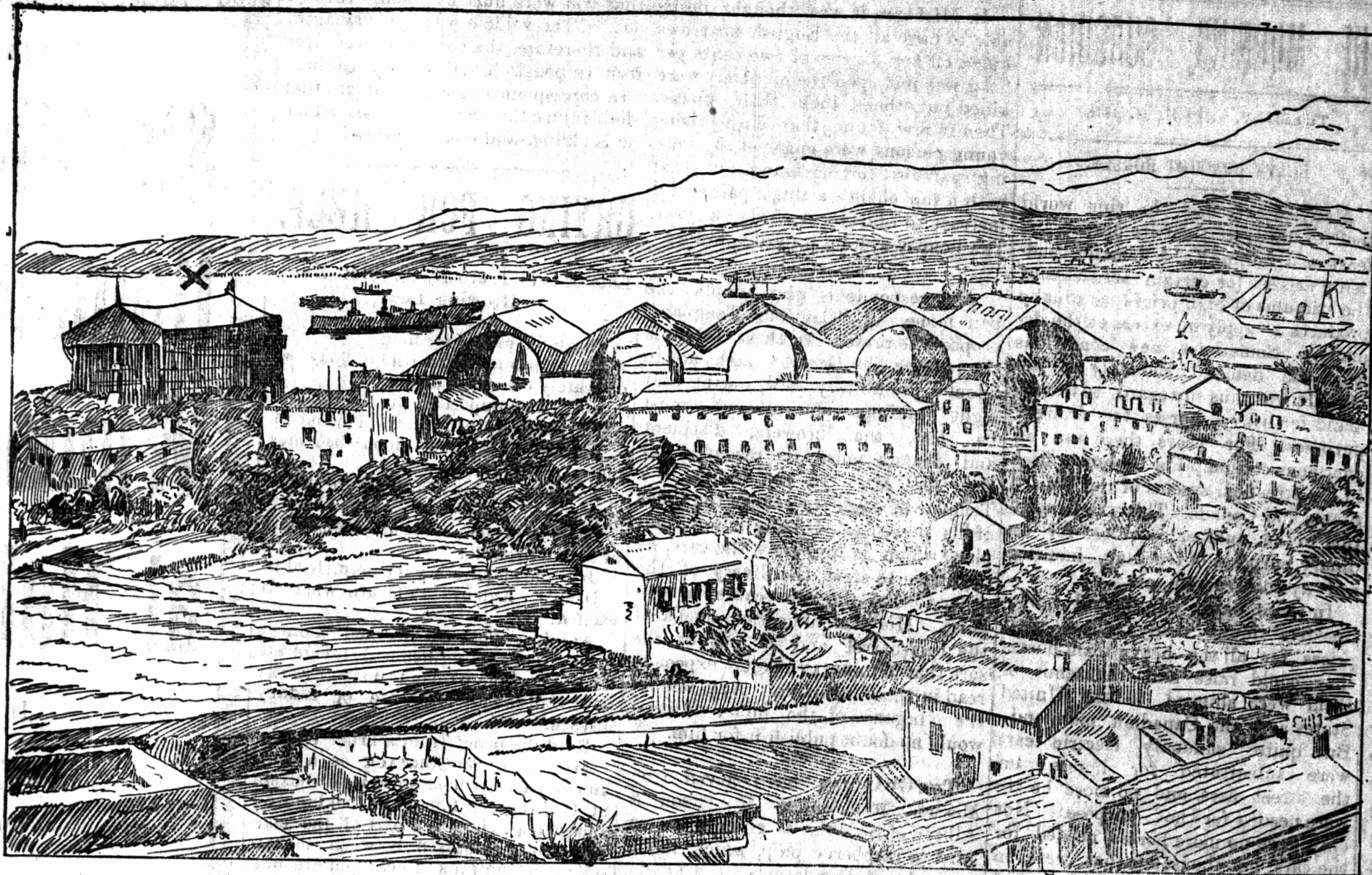
NOW PERMANENTLY CURED.

The itching and burning I suffered in my feet and limbs for three years were terrible. At night they were worse, and would keep me awake a greater part of the night. I consulted doctor after doctor. None knew what the trouble was. I concluded I would have to go to a Cincinnati hospital before I would get relief. My wife finally prevailed upon me to try CUTICURA remedies. Presto! What a change. I am now cured, and it is a permanent cure. I feel like kicking some doctor or myself for suffering three years. Sept. 11, 1898. H. JENKINS, Middleboro, Ky.

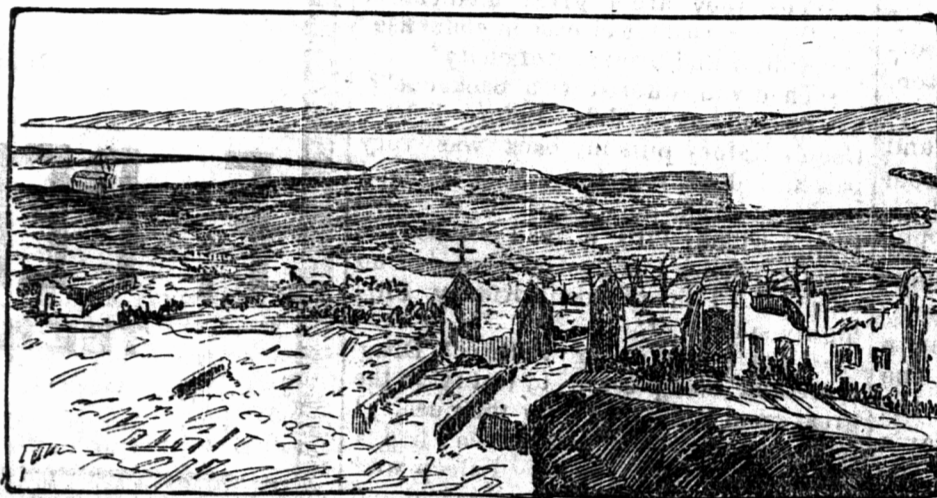
Sold throughout the world. PORTER D. AND C. CO., Sole Props., Boston. "How to Cure Every Humor," free.

SAVE YOUR SKIN Hands and Hair by using CUTICURA SOAP.

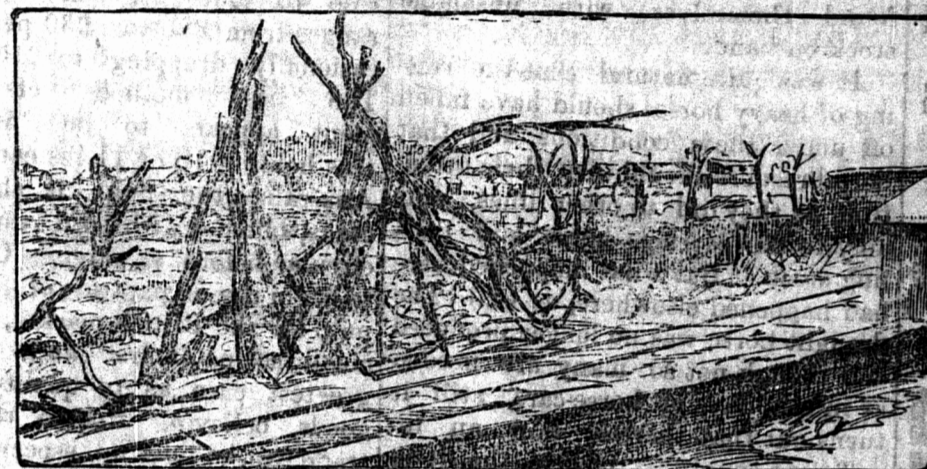
## THE GREAT EXPLOSION AT TOULON.



THE SCENE OF THE DISASTER: X MARKS THE POWDER MAGAZINE.



PANORAMIC VIEW OF THE DISASTER, SHOWING THE SPOT (X) NOW A POND, WHERE THE MAGAZINE STOOD. —Illustrated London News.



A DEVASTATED DISTRICT. HOW THE EXPLOSION STRIPPED AND DISTORTED AN AVENUE OF BEECH TREES. —Illustrated London News.

"Black and White," in respect to the Toulon explosion has the following:—"The terrible explosion at Toulon, through which over fifty lives were lost, has awakened military authorities to the danger of some forms of smokeless powders. In spite of the natural rumor that foul play was to blame for the disaster, it seems almost certain that well known chemical changes in the constituents of some of these powders were in themselves sufficient to account for the accident. The elaboration of the instruments of war is not a wholly unblest blessing, and we ourselves will doubtless come in for our share of unlooked for calamity. Great sympathy has been evoked from all quarters and nations with the people of Toulon, and large contributions have been promised to aid the relatives of the unfortunate victims. The Prince of Wales, who happened to be passing through Toulon on Monday, March 6, last, sent a telegram to the Mayor expressing his deep sympathy. The German Emperor sent one of his aides-de-camp to the French ambassador at Berlin to convey his condolences, and Admiral Tiroff sent a sympathetic telegram to M. Lockroy.

### MARCONI SAYS THE COST IS SMALL.

"Marconi in an interview stated: The cost of this method of transmission is infinitesimal compared with cabling. The whole installation by which these demonstrations are carried out cost only about \$1,250. With multiplication appliances the expenditure is greatly reduced."

"What will be your next experiment?" was asked.

"I hope between Newhaven and Dieppe a distance of sixty-four miles. I only require the authorization of the French Government to set up my stations. The French Government experts have been deeply interested in these experiments and are preparing an exhaustive report on the possibilities of my system. The French Government has given me more encouragement so far than any other."

"Is wireless communication across the Atlantic practicable?"

"Speaking broadly I believe so, but I have not yet made calculations with that view. I expect it would require a tower on the west coast of Ireland and one in the United States from 1,000 to 1,500 feet high, with certain lengths of wire netting to catch the current and make the circuit. I don't positively affirm that this demonstration is possible, as there are many difficulties, but when seriously tackled I have no doubt they could be overcome.

"The outlay would be heavy, as the

erection of the towers required would be costly, but much less than a cable, even at the outside estimate.

"As I go on improving my appliances I reduced the cost, and by the time I take transatlantic transmissions seriously in hand this outlay will doubtless be greatly reduced. But all that is a matter for the future.

"I am going to America in the autumn, when perhaps the question will assume practical shape."

Lord Kelvin when interviewed said: "I am not at all surprised at the results attained by Marconi. I believe wireless telegraphy has already become a practical success and its future is immense. For over sea communication it has many advantages which will make it invaluable."

Prof. Sylvanus Thompson, England's most distinguished electrician, says:

"Marconi's demonstrations are the natural development of principles propounded by Hertz and Oliver Lodge. It will be possible to establish direct communication across the space either between England and India or even Australia far cheaper than by submarine cable.

Nine years ago I offered to establish telegraphic communication with the Cape, provided \$50,000 was forthcoming, but the scheme was treated as visionary. Before long I believe you will see it realized."

Marconi's achievement has excited in-

terest among all classes here and when Parliament reassembles the Ministry will be questioned as to why it has not given more generous assistance to the inventor in demonstrating the value of his system.

Tesla's criticisms of Marconi's demonstrations are causing controversy among the electricians. Prof. Fleming, who was present at the demonstrations today at South Foreland, said:

"Tesla says that the introduction of the induction coil anywhere between the terminals would destroy communication, which is a vital defect. Well, as an answer to that allegation, I may point out that in the next room to this there is a large induction coil in connection with a 4,000-candle power light of this lighthouse, and that the coil has not had the slightest effect on Marconi's instrument."

### Pain in the Back.

Being troubled off and on with pains in my back, caused by constipation, I tried several kinds of Pills. I had seen advertised, and to put the truth in a nutshell, Dr. Chase's Kidney Liver Pills are the only pills that have proved effectual in my case. I can heartily recommend them.

Jno. Devlin, Unionville, Ont.

### WANTS, LOSTS, FOUNDS, ETC

FOUND.—On Dorchester St., near Great George, about a week ago a purse containing a small sum of money. Owner may apply at this office. 11, 12.

TO RENT.—A comfortable house on Alley street, with seven rooms. Apply here. 11, 12.

WANTED.—At the Hospital for the Inane, two female attendants. Apply at the Hospital or to Dr. Blanchard, Charlottetown. 11, 12.

FOR SALE.—A pair of Bicycles tires. Good as new, only used one week, will be sold for half price, apply at this office. 10, 11.

Pleasant home work for men or women: day or evening. No canvassing or experience needed; plain instructions and work mailed on application for position. Address: Memorial Co., London, Ont. 5, 6, 11.

TO LET.—The large room now occupied by Miss Longworth as a decorative art room. Possession given May 1st. Apply to Miss McRae at W. C. T. U. Rooms. 11, 12.

WANTED.—General Agent for P. E. Island for Accident Insurance, including BICYCLE and FIRE INSURANCE and other benefits. Premiums low. Large commission. Company's reliability undoubted. Apply to International Registry Co., care of J. Hunter White, St. John, N. B. 11, 12.

WANTED.—A milliner for a Country Store. Apply by letter to M. N. O., Guardian Office. 27, 31.

FOR SALE.—Mrs. John Trainor King St. offers for sale a three-story dwelling house situated on Foyval St., containing 13 rooms and shop. Good stabling. Dwelling suitable for double tenement. 15, 21, 22.

TO LET.—The southern half of the Late Chief Justice Palmer's House on Queen Street. Heated with hot water. Electric lights etc. Rent moderate. Apply to Mrs. E. Palmer Queen St. or H. James Palmer, Ch. Town Nov 7, 11.

TO LET.—A Dwelling on upper Euston Street apply to CHARLES MCGREGOR.

## "Like Diamonds Raindrops Glisten."

Drops of Hood's Sarsaparilla are precious jewels for the blood which glisten in their use, and, like the rain, disappear for the good of humanity. Each dose when taken is in a very short time thoroughly mixed with the blood and actively getting in its work of purification. Hood's never disappoints.

Running Sore.—"My mother was troubled with rheumatism in her knee for a number of years, and it broke out into a running sore. She took three bottles of Hood's Sarsaparilla and is now well. Hood's Olive Ointment helped to heal the eruption." Mrs. JOHN FARR, Cloverlawn, Amherst, Ont.

Dyspepsia.—"My wife suffered from rheumatism, dyspepsia and pains in her stomach. She had medical attendance but did not get relief. She read about Hood's Sarsaparilla and tried it. Three bottles entirely cured her. She is now a well and hearty woman." T. W. COVER, Cape Sable Island, N. S.

Eczema.—"I was run down with complaints peculiar to my sex. Large sores broke out on my body head and limbs. I could not do any work on account of the itching. My trouble was termed eczema and I doctored for it for a long time. I then tried Hood's Sarsaparilla and several bottles effected a cure." Mrs. J. G. BROWN, Bradford, Ont.

Swellings.—"I had a swelling on my chest. It caused me great pain and many sleepless nights. Physicians advised an operation but my daughter urged that I take Hood's Sarsaparilla instead. I did so and after using six bottles, the swelling went away and I have not had any more pains." Mrs. J. W. G. GOSKIN, 432 Front St., Belleville, Ont.

Organs Affected.—"I was run down in health and had spells of coughing which left me prostrate. My lungs, heart and kidneys were affected. Took Hood's Sarsaparilla upon advice and soon felt better. I continued the treatment and now feel like a new woman." Mrs. SUMMERSVILLE, 217 Desborough Avenue, Toronto, Ont.



Hood's Pills cure liver ill; the non-irritating and only cathartic to take with Hood's Sarsaparilla.

## The Great Unwashed

A thing of the past. While there is Life, there is Soap.

## REMARKABLE

Disappearance of all dirt from everything by using

## ROYAL OAK SOAP.

## REWARD!

Purity, Health and Perfect satisfaction. Cleans, Scours, Scrubs, Brightens everything. It is a friend that will wear itself out in your service. Take no substitutes. Sold everywhere.

## Jas. D. Laphorn & Co.

Charlottetown Soap works.

# BOYS' CLOTHING.



Our new stock of Children's Suits are now ready. We have marked them very close in order to sell them fast. The largest assortment in the city. The best goods made at prices to sell fast.



## Our New Stock of Men's Suits

Suits are now ready and will interest any one who wants Clothing. If you care to dress well see our New Suits for Spring.



# PROWSE BROTHERS.

THE WONDERFUL CHEAP MEN.