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BY B. LOVERIN
EDITOR AND PROPRIETOR

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ADVERTISING
Business notices in local or news columns...

WITHOUT THE USE OF WIRES
NIKOLA TESLA CAN TELEGRAPH ONE HUNDRED MILES

A Wonderful Invention for Sending Messages Through the Air - A Powerful Vibratory Machine - The Theory of Many Years Now Crystallized Into Practice and Confirmed by Experiments.

(Special Correspondence.)
New York.—(Special.)—Nikola Tesla has made an instrument for telegraphing without wires by which a vessel a hundred miles from the coast will be able to send messages to the shore.

Mr. Tesla is not prepared to make public the details of his invention. He always gives his conclusions to the public through articles in a scientific periodical.

He said to me: "You may say that I have succeeded in making a machine a thousand times more powerful than any ever made before. With it I expect to send messages without wires over long distances—probably 100 miles."

He said: "I think so." "If it can be used I have no desire for compensation. It is not for sale. But I will freely offer it to the Government. One reason I can not tell you just what my machine is is that it can be used on any ship."

"Of this invention I can tell you that it is the result of more than five years of hard work. The experiments which have been carried out in my laboratory which have attracted so much comment follow the lines that I laid down some years ago. For a long time I have been abroad did not follow these lines, and they were not successful. Signals could be sent, but only for short distances. When they returned to my system they found that they could send messages to a much greater distance."

"The idea of transmitting intelligence without wires is the natural outcome of the most recent results of electrical investigations. Some enthusiasts have expressed their belief that telephony at any distance by induction through the air is possible. I cannot stroke my imagination so far, but I do firmly believe that it is practicable to disturb by means of powerful machines the electrostatic condition of the earth and thus transmit intelligible signals and perhaps power. In fact, what is there against the carrying out of such a scheme? We now know that electric vibrations may be transmitted through a single conductor. Why then not try to avail ourselves of the earth for this purpose? We need not be frightened by the idea of distance. To the weary wanderer counting the miles most the earth is a vast plain. To the farmer near home, it is a vast field. To the astronomer, who gazes at the heavens and by their standard judges the distance of our globe, it appears very small. And so I think it must seem to the electrician, when he contemplates the electric spark which an electric disturbance is propagated through the earth, all his ideas of distance must completely vanish."

"I have been working on that problem ever since. For a long time I experimented with delicately adjusted instruments, but I found them unreliable. I would send signals for a few blocks and then a strong current of electricity somewhere in the neighborhood or some atmospheric condition would interrupt them. After a time I decided to use a ball, though it is not decided whether or not it must have something reliable."

"Then I set about making a machine which would give me more powerful vibrations. I have succeeded beyond my expectations. I have made a machine which is a thousand times as powerful as any now known. With it I could stop every electric current—every telegraph or

telephone in this neighborhood." With a sweep of his arm the inventor suggested that the building in a flower street, where the laboratory is.

"But could not some one else destroy the effect of your power by connecting with counter currents?" asked I.

"The, he said, he could. But I had to be a devil of a fellow." Which ingenious statement I interpreted as meaning that "counter-fellow" would have to have as strong a machine as that of Mr. Tesla.

Mr. Tesla told me very little about the new machine. He said that it is "no larger as that plate," he said, indicating a very small one which stood against the wall, covered with scientific magazines.

"It could be put on board a ship without any loss of power," he said.

"And how about the current to operate it?"

"It could be had from a small dynamo such as they have aboard all the ships of the navy."

Mr. Tesla says his original theory concerning the transmission of signals and possibly of power without wires has been confirmed by his experiments.

At another place Mr. Tesla said that if the distance between the stations is not too great, the earth or its environment through the air is the best medium.

"Distance does not mean anything," he said. "In fact, he has not suggested the wireless telegraph first, but he first suggested the means by which all other means of telegraphing are superseded."

What makes your new machine more important is its simplicity. A recent writer has said that the wireless telegraph would become impossible as soon as a simple spark generator should be used to send signals.

At the Hamilton Police Court Magistrate Jelfs allowed Hannah Lister, the young girl who pleaded guilty to the slaying of her father, to go on deferred sentence. He did so on the understanding that she should have nothing to do with Sidney Bull, her betrayer, for two years.

In the Old Bailey Police Court at London, Eng., William Rucimann was sentenced to five years penal servitude for burglary. Rucimann, who had passed himself off as a baronet, under the name of Sir Granville Temple, had married an actress, Agnes Ingilworth, while his first wife, Kate Wessel, whom he had married at Birmingham, N.Y., was still living.

SURVEYING BY PHOTOGRAPHY

IT HAS REACHED ITS HIGHEST PERFECTION IN THE DOMINION.

Canada, and His Majesty's Work in This Direction. The New Method Greatly Improves the Accuracy of the Survey. The Old One—A Surveyor's Camera.

Photography, as the application of photography to surveying, is far from being a novel application of camera work for an early 1850's. It was first used in the survey of the Great Lakes.

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LAUGHING FRIENDS

THEY WERE GUILTY AND WERE ACQUAINTED WITH THE PUNISHMENT.

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KARLEY THE HARDWARE MAN
Paints, Oils, Varnishes, Brushes, Window Glass, Coal Oil, Machine Oil, Rops of all sizes, Builders' Hardware, Nails, Forks, Shovels, Drains, Ties, Spades, Saws, Iron Prying, etc.

W.M. KARLEY
1898 LYN AGRICULTURAL WORKS 1898
UP TO DATE WITH
LAND ROLLERS HORSE HOES & CO
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GEO. P. McNISH,
Lyn Agricultural Works.
If you want a HORSE BOE see the new 2 wheel or BIKE. Can be set to any depth required. I sell low because I sell to the farmer direct.

Asphalt Roof Paint and Perfection Cement Roofing
THE TWO GREAT RAIN EXCLUDERS
THESE GOODS are rapidly winning their way in popular favor because of their cheapness, durability and general excellence.

W.G. McLAUGHLIN
MANUFACTURER AND SOLE PROPRIETOR
Athens Ontario

THE SLATER SHOE
The way to foot comfort.
Never wear a shoe, not even a "Slater Shoe," that does not make friends with your foot the first time it's worn.

Lyn Woolen Mills
Have a good stock genuine all-wool Yarn and Cloth will be prepared to sell the same at moderate prices, and will at all times be prepared to pay the highest market price for wool in cash or trade.

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The Griffiths Cycle Corporation
LIMITED—World's Largest Sporting Goods Dealers
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Fine Poster Printing
The Reporter office is supplied with a large range of the very latest styles of type for Poster printing, and the uniform excellence of our work in this line has brought orders from all parts of the county.

Just as Good as Scott's Emulsion
Scott's Emulsion
of Cod-Liver Oil with Hypophosphites of Lime and Soda as a standard, and the purchaser who desires to procure the "standard" because he knows it has been of untold benefit, should not for one instant think of taking the risk of using some untried preparation of something said to be "just as good" for a standard preparation twenty years ago, should not be permitted by the intelligent purchaser to be deceived by SCOTT'S Emulsion. See that the man and fish are on the wrapper. SCOTT & BOWNE, Chemists, Toronto.

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