

instrument. When the key was depressed for an instant a bright electric spark emitted from the contact points in the glass cylinder, giving a hard hissing sound; this imprinted a dot on the register, and a longer impression marked a line, the two forming the letter "a" of the Morse alphabet.

The characters or code used by the wireless system is what is known as the European or Continental Code, that is the spaced letters are eliminated and dots and lines substituted the same as the cable system.

All the vessels equipped with Marconi apparatus on the St. Lawrence route have a capacity of eighty miles' transmission, but a possible one hundred and twenty, this distance being deemed great enough for all practical purposes.

On the New York and Liverpool route the steamships have a much more extensive equipment, which enables them to keep in touch with the one side of the Atlantic or the other during the entire voyage.

The cost of the Marconi equipment of the former averages £200—or \$1,000.

Five Marconi stations have been erected on the Lower St. Lawrence during the present summer and a fair, profitable traffic carried on so far. These stations will be closed during the winter, but a station is being erected at Cape Race, Nfld., which will be open throughout the year.

The rates charged is two dollars for ten words and