

establishing electric locomotives on trunk lines, the Stemens conduit system, as used at Budapest, is shortly to be introduced here by a powerful syndicate. In England there is equal activity. An American en-gineer is now in London organizing a company for the purpose of exploiting his sys-tem of open conduit for electric traction. Besides this a London firm is expecting to make installations of an excellent open conduit system, and a closed conduit system is very favorably regarded in the same city. Work is also being pushed forward in both overhead and accumulator traction, and altogether the chances of the evolution of a cheap, clean and efficient method of travel, that can be easily adapted to the wants of the people, are daily increasing.

proposed by an electrician, who contends that it is quite practicable to cut the ice by means of a wire heated electrically. His plan is to instal a portable steam and dynamo plant at some conenient; point on the shore near to the ice harvesting operations, and run from the dynamo a suitable tions, and run from the dynamo a suitable steel wire of the required length with a proper return. By generating a sufficient current to maintain the temperature in the wire at about 200<sup>°</sup>, and by stretching the wire taut along the surface of the ice a means of cutting through the mass would at once be established. He forgets that the water would congeal imme-diately after the wire bad passed leaving diately after the wire had passed, leaving the ice as solid as ever.

The latest invention for transmitting sound waves under the sea is the nautical signal, or sea telephone. This apparatus is designed for the detection of sounds proceeding from any object in contact with water, which may be produced by such object or from the use of the apparatus at the place of observation or reception, and are there received when reflected from such object. The idea embodied in the apparatus is to receive sound waves pulsating in a body of water, then transform, intensify, trans-mit and indicate the impression so produced in such a manner that it will be easy to determine the position, distance and orbit of the object from which the sound waves proceed. It is claimed that this invention will give warning not only of moving objects, but also of stationary ones, such as icebergs, submerged wrecks, rocks, etc., and that by itsaise communication may be had between two ships at a considerable distance from each other

Another exemplification of the case with which man can fall from Scylla into Charybdis is afforded by an experience through which New Zealand is now passing. Some years ago the bumble bee was introduced into that country for the purpose of fertilizing the red clover, and the experiment was regarded as a remarkable success A naturalist who has lately made a list of the plants and flowers visited by the bees in their new home, finds that not only do the insects fail to visit the flowers of indigenous plants, but that they have increased to such an extraordinary extent that they threaten, on account of absorbing so much of the nectar of the clover flower, to become a

ink that the growing use of the typewriter has appreciably affected their sales, and now another rival has arisen in an ink powder, which needs but a drop of water to are, which needs but a drop of water to make it a perfect writing fluid. This is not a new idea, and so far it has not been gen-erally adopted, as powder inks heretofore have had a goo deal of sediment and an un-pleasant smell. These disadvantages are said to be now removed, and it is claimed that travelers on board ship, solicitors, ac-



