

# A New Electric Recording Compass

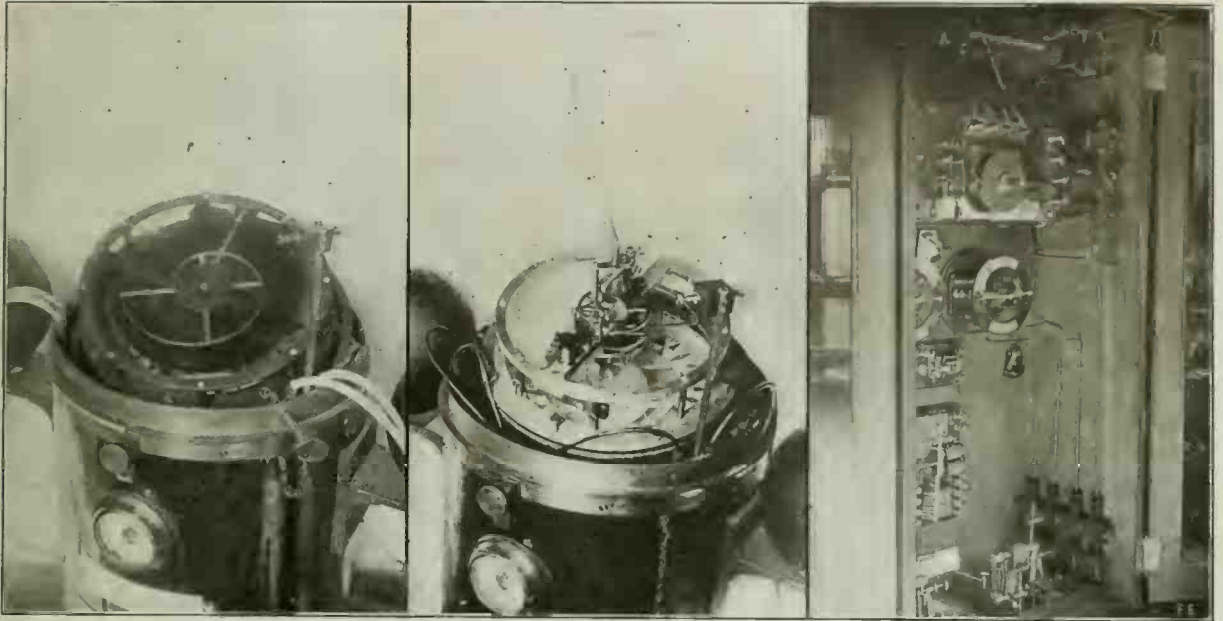
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**T**HE new electric-recording compass device, here illustrated, is one which nautical experts have proclaimed to be a great advancement in maritime appliances. This electric Recording Compass was invented by Dr. C. L. Jaeger of Mahwah, N. J.

to supply vessels with a device which would record a permanent record of the entire route covered, to the fact that the Nautilus, Jules Verne's master creation in "Twenty Thousand Leagues Under the Sea," had every conceivable type of apparatus and appliance aboard except a recording com-

model suitable only for descriptive purposes was completed.

A trial cruise was made from New York to Jamaica Island on board the S. S. Amelia, during which the instrument faithfully executed all the claims of its inventor. Captain Jamison in command of the ves-



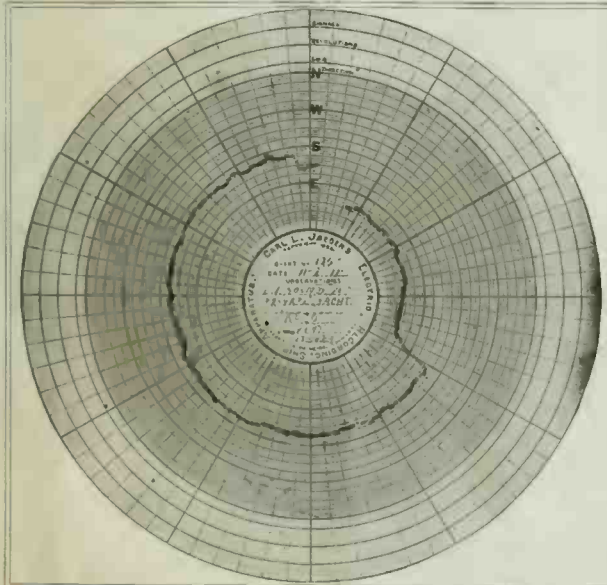
Three Views of the Jaeger Electric Recording Compass, a Number of Which Are Being Built for the Navy Department. At Left—The Recording Compass With Dial Removed; At Center—Compass Complete With Spark Recorder and Chart; Right—Electrical Instruments Used With Recording Compass.

Dr. Jaeger began his first series of experiments on his recording compass about 1885, in the days when the electrical experts of the world were classified in two ways—those who knew Ohm's Law and those who didn't. He jokingly attributes his endeavor

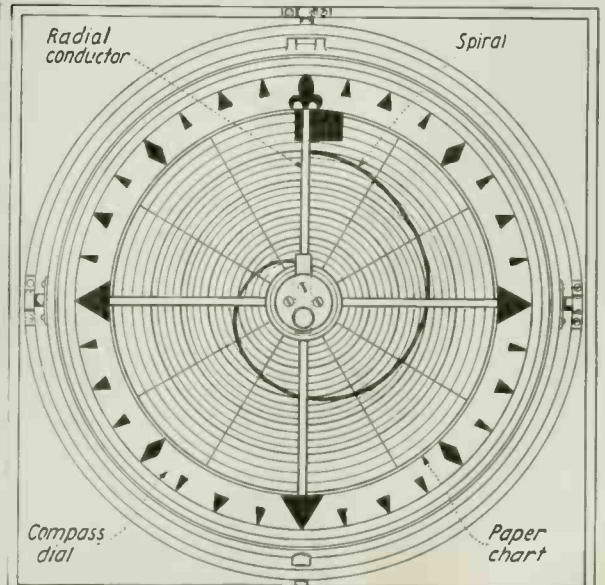
pass. To remedy this serious defect he began the first experiments.

It is perhaps unnecessary to say that he encountered great opposition, but finally, after five years of ceaseless toil, in an attic, and great sacrifices a crude working

sel was particularly gratified by the results. Charged with this encouragement, Dr. Jaeger endeavored to market the invention, but met with violent opposition, not on the part of the ship owners who appeared (Continued on page 202)



An Actual Compass Record of a Cruise Up Long Island Sound Taken On Board Dr. Jaeger's Yacht. Each Angular Division Represents a Time Period of One Hour.



Showing Top of Compass Box, With Paper Record Chart in Place, Also Spiral Electrode From Which Spark Jumps in Making Record. The Recording is Thus Done Without Friction.