FRIDAY, MAY 22, 1896.

CONTENTS:
A Successful Trial of the Aerodrome: S. P. Langley, A. Graham Bell............753
The Development of Exogenous Structure in the Paleozoic Lycopods—A Summary of the Researches of Williamson and Renault: David White.............754
The Embankments of the River Poe: Frank D. Adams..............................759
Measuring Hallucinations: E. W. Scripture..............762
Habits of Phrynmosa..................763
Lord Kelvin on the Metric System........................................765
Notes on Agriculture and Horticulture:—
The Prevention of Sudden Oats; Bacteriosis of Carnations: Byron D. Halsted.........767
Current Notes on Anthropology:—
Race and Disease; Buddha-like Figures in America and Elsewhere: D. G. Brinton..767
Current Notes on Meteorology:—
Hurricanes in Jamaica; The Climate of Venezuela; A Quick Voyage across the Pacific; A Tornado in New Jersey: R. De C. Ward.........768
Scientific Notes and News:—
Annual Report of the Geological Survey; Fish Culture; Recent Chemical Progress; The Marine Biological Laboratory; The Zoological Society of London; General......................770
University and Educational News........................................776
Discussion and Correspondence:—
The Significance of Anomalies: Thomas Dwight.
Scientific Literature:—
Scientific Journals:—
The Journal of Geology........................................785

Societies and Academies:—
New Books........................................788

MSS. intended for publication and books etc., intended for review should be sent to the responsible editor, Prof. J. McKeen Cattell, Garrison-on-Hudson, N. Y.

A SUCCESSFUL TRIAL OF THE AERODROME.

The editor of SCIENCE has received the following letters containing an announcement of great scientific and practical importance:

The Editor of SCIENCE—Dear Sir: After having published some investigations in aerodynamics ('Experiments in Aerodynamics' and 'The Internal Work of the Wind'), I have made further experiments on the practical application of these conclusions, in the construction of an actual aerodrome or flying machine, upon a scale sufficient to admit of the employment of a steam engine of between one and two-horse power. I have never given any account of these experiments, as I have wished first to attain such a complete control of the flight as would insure its being automatically directed in a horizontal course, in any desired azimuth; but in view of the demands upon my time, which render it uncertain how far I can continue my personal attention to the completion of this object, I have yielded to the request of my