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(Illustrated articles are marked with an asterisk.)

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For the Week Ending June 13, 1891.

Price 10 cents. For sale by all newdealers.

Table listing sections I through XV, including 'AGRICULTURE', 'CHEMISTRY', 'CIVIL ENGINEERING', 'ETYMOLOGY', 'ELECTRICITY', 'FRUIT CULTURE', 'GEOGRAPHY AND EXPLORATION', 'HOROLOGY', 'MISCELLANEOUS', 'NAVAL ENGINEERING', 'ORDNANCE', 'PHOTOGRAPHY', 'PHYSICS', 'PSYCHOLOGY', and 'TECHNOLOGY'.

MAXIM'S FLYING MACHINE.

Mr. Hiram Maxim, well known for his many ingenious inventions, who is, moreover, a very practical and successful mechanic, has for some time past devoted considerable study to the subject of aerial navigation.

Mr. Maxim says he has already expended \$45,000 on these tests, and is now at work on a large machine of silk and steel, with a plane 110 ft. by 40 ft., with two wooden screws 18 ft. in diameter. A petroleum condensing engine will furnish the power.

ANOTHER POLAR EXPEDITION.

A small and staunch steam vessel, the brigantine Kite, sailed from New York June 6 for Whale Island, on the west coast of Greenland, 77 degrees and 20 minutes north latitude.

It is the intention of the explorer to get well established in winter quarters before the four months' season of darkness and extreme cold sets in, and supplies sufficient to last the party for three years have been taken, although it is said that game is abundant in that section.

But, even if Greenland extends only a little way beyond Lieut. Lockwood's furthest point, Lieut. Peary has before him a round trip journey of about 1,200 miles. Just as Nansen traveled, now over a hard crust, and then through deep, soft snow, Lieut. Peary is likely at times to find sledge hauling very hard work.

There is also aboard the Kite another party known as the West Greenland Exploring Expedition, of the Academy of Natural Sciences, of Philadelphia. This party consists of Prof. Angelo Heilprin, leader and zoologist; Prof. Benjamin Sharp and Prof. J. F. Holt, zoologists; Dr. William E. Hughes, ornithologist; Dr. William H. Burk, botanist, and correspondent of the Philadelphia Ledger; Levi W. Mengel, entomologist; Dr. Robert M. Keely, surgeon; Alexander C. Kenealy, who will keep the journal of the expedition.

there; others will cruise on the Kite in whatever direction seems best to them to obtain the information they seek.

The land division will explore the interior of the country, in particular an unnamed mountain back of Disco Bay, of which geographers know nothing, of whose denizens zoologists and of whose flora botanists are ignorant.

Near Godshaven there is another unnamed and unknown mountain which will be climbed and examined. From there the party will go to Ivigtut, and thence to St. John's, Newfoundland. Everywhere its members will make zoological and botanical collections and try to inform themselves of Greenland's geological formation.

Recalescence in Steel and Iron.

In the current number of the Philosophical Magazine Mr. F. J. Smith gives an account of some new methods of investigating the points of recalescence in steel and iron. The object of the experiments was to discover the time connection which exists between the change of form and the change of temperature.

Lead Pipe Pierced by an Insect.

K. Hartmann, in Gesundheits Ingenieur, January 15, 1891, relates a case in which a lead pipe was cut through by an insect that was actually found with its head in the hole pierced by it.

THE tannin present in tea is absorbed by suitable animal substances, such as horn shavings, dried albumen, hide clippings, and the like. It is preferable to add the material to the tea in the dry condition before the infusion is made.