

RACERS ON THE SEA.

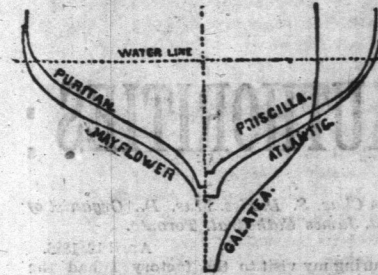
THE COMING CONTEST BETWEEN AMERICAN AND ENGLISH MODELS.

A comparison of the competing yachts from "Yankee" and "British" models. The English Cutter—The One Travels on Her Buoyancy, the Other on Her Ballast.

New York, June 22.—The yacht contest of this season promises to excel any in the world has heretofore seen in the way of aquatic races.

In the matter of yacht building we have fortunately not copied the English model, as we have too often in other sports. We have a type of our own, a distinctive American yacht, which is to be built to the very best of our ability, and this is the question to be determined this season.

In this article some of the chief differences in the American and English type of yacht will be shown. The diagrams are taken in every instance from the construction drawings of the designers.



A comparison of sections. As the resistance which a body will meet when pushed through the water depends on the area of its widest and deepest portion, a comparison of the submerged area of the largest transverse section of each will be of great value.

The Galatea of New York. The Galatea could stand upright in water without ballast, and on this ballast, in the shape of a great cargo of lead bolts, under the keel, the weight of the cutter style of yacht depends for its stability or evenness.

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ANDREW CARNEGIE, ESQ.

Portrait and sketch of the Scotch-American Millionaire Socialist. In the year 1868 a small boy with tow hair, a bright eye and a confidential manner applied for employment to the office of a telegraph company in Pittsburgh.



ANDREW CARNEGIE.

The tow-headed boy of 1868 is now the millionaire manufacturer of Pittsburgh and New York, the most extensive producer of steel rails, pig iron and coke in the world. He is the distinguished-looking gentleman in the picture. Besides being a millionaire he is a philanthropist and brilliant author.

Little blind Maud Cook, whose home is in Manchester, Tenn., is probably the greatest living musical prodigy. She is only 9 years of age, and yet has composed and performed a number of pieces.

Her parents are too poor to give her the benefits of a musical training, or there is no telling what she might not develop.

The great lung healer is found in the excellent medicine sold as Bickie's Anti-Consumptive Syrup. It soothes and stimulates the sensibility of the membrane of the throat and passages, and is a sovereign remedy for all coughs, colds, hoarseness, croup, etc.

History of Telegraphy. To the Editor of the Scientific American: April 17 last was the centenary of Baron P. A. Schilling, the inventor of the electro-magnetic telegraph, born in Revel, Russia, 1786.

His first experiments with copper wire as an electrical conductor were begun in 1810. In 1812 he successfully exploded a mine across the Neva, by means of an electric current. The same experiment was publicly repeated in 1814 on the Seine at the triumphal entrance of the Russian Czar Alexander the First into Paris.

In 1815 Baron Schilling began to investigate the action of electric currents on a magnetic needle, and in 1820, after numerous experiments, he constructed the first electro-magnetic telegraph.

The Czar Nicholas, inspecting the invention at the house of Baron Schilling, had written on a piece of paper, "Schilling's charm d'ivoire fait ma visite a M. Schilling," and these words were afterwards transmitted by telegraph without any mistake.

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NATIONAL MANFG. CO. BEAR IN MIND. The Best Place in Toronto for Fine Carriages of Every Description is at JOHNSON & BROWN'S, 131 AND 133 ADELAIDE ST. WEST.

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W. M. DICKIN, 63 AND 65 ADELAIDE ST. WEST. Next door to Grand's.

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CUSTER'S LAST FIGHT. HOW THE HERO FELL THE DAY OF JUNE TEN YEARS.

Picture of Sitting Bull, the Great Chief, who Defeated Custer, Little Big Horn—The Children of the Great South.

This 25th of June, 1886, it is one day when brave Gen. Custer's band of soldiers were massacred at Little Big Horn river, in Montana.

It is the strange river in the Yellowstone, down a branch of which Custer marched with his men, explored for the first time in 1870.

George A. Custer was an Ohio in an obscure country village, New Harrison county, near the Pennsylvania valley border, in 1838.

He was a brave soldier in the American revolution. There was a phlegmatic German, a far back as the revolution. In point of fact he was descended from one of the Hessian officers who fought on the wrong side in the American revolution.

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