

SCIENCE AND PROGRESS.

USEFUL DISCOVERIES BY MEN OF GENIUS

Changes in the Sun—A New Light-house—Preparation of Blue Prints—Watch Making in France—The Boomerang Myth.

Changes in the Sun.

But we cannot rest with the assumption that, since the sun is evidently no Mira and no Sirius, therefore it is practically an unchanging radiator which for an indefinite period will continue to cause the earth to bloom in the beneficent influence of its life-inspiring rays.

A New Lighthouse.

Mariners on the Pacific coast are rejoicing over the rapid progress of work on St. George lighthouse and fog-signal station on Seal Rock, about eight miles from the shore of Del Norte County, Cal., near the Oregon line.

The deep channel between the reef and mainland is filled with treacherous rocks, submerged beneath rapid and powerful currents. In winter the shores are lashed with huge waves, making the scenery the grandest on the coast.

The lighthouse was begun ten years ago, but, owing to the difficulties encountered in the slow progress with which Congress made appropriations, work did not proceed as fast as it ought.

It is amusing to people who know Australia and the aborigines, says an old Australian in the St. Louis Globe-Democrat, to read in magazines and newspapers scientific dissertations on the construction and peculiarities of the boomerang, based, I suppose, on the tales of travelers.

I have lived for twenty years in Australia, and have hunted for days in the bush with parties guided by aboriginal blacks.

Can Kill at 200 Feet.

Augustus J. Bowie, of San Francisco, the author of a standard book on hydraulic mining, estimates that the stream from a six-inch nozzle, under a head of 588,735 foot-pounds every second, equivalent to 1,070 horsepower.

THE ALLIANCE.

The Spirit of Kansas: The wealth of the country increases fast enough. There is no complaint on that score as the plutocrats want to make it appear.

The Alliance Vindicator: The tariff is not the only wrong under which the American citizen has to labor.

Farmers Advocate: The Alliance has done more to educate the people than any other organization in this country.

The Alliance: If any man thinks that all the Tories are dead—the men who fought our forefathers, he is badly mistaken.

Watch Making in France. It appears from a report made by the Besancon Chamber of Commerce on the operations of the French watch industry, that the anticipations formed in 1889 of an improving course of business were fully realized in 1890.

Preparation of Blue Prints. In a communication to the Engineering News, F. H. Latimer states that he has found that adding oxalic acid to the ordinary blue print mixture materially lessened the necessary time of exposure.

The Speed of Bicycles. The Kolnische Zeitung gives an account of some interesting experiments which were tried by Major Brix, the commander of the Militair-Turnanstalt in Berlin, in order to test the speed of bicycles as compared with that of horses.

The Elk County Citizen: Several times a day we hear the remark, "You can not legislate money into a man's pocket."

Industrial Union: Let us suppose, for the sake of the argument, that the proposition of the Democratic party, that the nine-million mortgages on the homes of the people are the result of the "robber tariff," the question then is, how many mortgages could be paid by a 5 per cent reduction?

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