PITTSBURGH GAZETTE.

A NEW METAL BROUGHT INTO USE.—At the meeting of the *Academie des Sciences*, on the 5th of February last, M. Dumas communicated some experiments of M. St. Clair Deville. This distinguished chemist, by a modification of M. Wochler's method, succeeded in obtaining aluminum in small bars and threads. The metal is as white as silver, does not tarnish, and is ductile in the highest degree. Its point of fusion is about the same as that of silver; its density 2.56. It is a good conductor, and can be melted and cast in the air, without a sensible oxidation. Sulphuretted hydrogen, cold and hot water, nitric acid, heat and sulphuric acid do not act upon it; its true dissolvent is hydrochloric acid.

When M. Dumas had finished, MM. Chevreul, Payen, Regnault, Le Terrier, and other distinguished members, gathered round the speaker to admire the plates of aluminum which were exposed in water, weak sulphuric acid and nitric acid. Mr. Thenard moved, and it was carried unanimously, that the necessary funds be allowed for experiments on a large scale. Should these experiments be successful, and this new metal—which has all the good qualities of silver, is as malleable as gold, and yet is lighter than glass, and which can be obtained from common clay—be brought into general use, it is easy to predict that silver would have its day for the purposes of domestic life. Cooking utensils, plates and dishes, spoons, forks and drinking cups, will all be of aluminum. In fact, if it can be furnished cheaply, it is hard to say what would not be made of aluminum. Sheboth Deville's new experiments prove as successful as the old, he will have rendered mankind a signal service by his discovery.—*New York Evening Post.*

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