

where everything rapidly becomes foul, and when taken out was found quite clean. The gum is intensely bitter and poisonous; hence marine animals avoid it.

The Yale Museum has lately received remains of reptiles from the Jurassic deposits of the Rocky Mountains. These reptilian remains pertain to several distinct groups, and are interesting because they throw much light on the forms which have already been described from the same horizon.

The Journal of applied sciences draws attention to the substitution of paper for wood, in Germany; in the manufacture of lead pencils. The paper is steeped in an adhesive liquid and rolled around the core of the pencil to the required thickness. After drying it is colored to resemble an ordinary cedar pencil. The pencils thus made sell in London at about seventy five cents a gross.

A new explosive compound, known as *nitrolin*, is compounded as follows; from 5 to 20 parts of sugar or syrup are mixed with from 25 to 30 parts of nitric acid in a wooden or gutta-percha vessel. Of this compound 25 to 30 parts are mixed with 13 to 35 parts of nitrate of potassa and from 13 to 15 parts of cellulose.—*Chem. Centralblatt*.

The problem respecting the temperature of the sun still remains unsolved. The French Academy in 1876 offered a prize for the solution of this problem; but has withdrawn the prize owing to none of the answers being satisfactory. The results given ranged from 15,000° to 3,600,000° Fah. The diversity of the answers shows the difficulty, when it is remembered that the contestants were men who have made such subjects a specialty.

Personals.

'79. G. B. Healey has removed from Sibley to Sioux City, Iowa. He still continues in the study of law.

'61. Rev. W. H. Porter, pastor of the church at Brantford, Ont., has accepted the call of the East Av. church, of Rochester, N.Y., to become its pastor. He leaves the second largest Baptist Church in the Dominion, and will bring to his new field an excellent reputation as a man and pastor.—*Examiner & Chronicle*.

Mosaics.

A principle is worth a thousand facts.—
LORD LYTTON.

It is a wise rule to sojourn in every place as if you meant to spend your life there.

Suspicion—a sentiment which incites us to search for what we do not want to find.—
MILTON.

Let well weighed considerations, not stiff and peremptory assumptions, guide thy discourses, pen, and actions.—BROWNE.

Entire candor and honesty regarding ourselves, instead of being the first, is one of the last and highest attainments of a perfectly fashioned character.—SHARP.

Every person has two educations—one which he receives from others, and one, more important, which he gives himself.—GIBBON.

The way to subject all things to thyself, is to subject thyself to reason; thou shalt govern many, if reason govern thee; wouldst thou be crowned the monarch of a little world? command thyself.—QUARLE'S EUCHIR.

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