

Agricultural.

AGRICULTURAL COMPANY, No. 117.

BY EUGENE HUBBARD.

Honor is the Greek word for water, Jemno, which gives the origin of the word hydrogen. Methane, methanol, and water, added to honor, gives hydroxide, hydrosulfide, and hydrosulfuric acid. Hydrosulfide is now slaked lime, containing 21 per cent. of water, and 79 per cent. of the oxide of calcium. Hydrogenium is water per cent. It was most fortunately discovered in large quantities at the commencement of the Hudson and Erie canal, in the rock excavation for the work. Before this discovery, made by an agent who had visited Europe in behalf of the work, the calculation was to import this indispensable article from Europe. It has since been found in numerous large deposits, adding immensely to the facilities and the progress of the vast works of internal improvement already completed and now advancing by American enterprise. No one work, probably, so lingers a plumbago for hydraulic lime and water cement, as the Croton Aqueduct of New York.

The various uses, both in architecture and agriculture, for this material, are numberless, and numerous. For most public works it is indispensable.—For numerous domestic purposes it is exceedingly convenient. It is so powerful as a cement that two masses of stone cemented by it will sometimes break in another part of the mass before separating at the point of juncture.

The oxide of iron, in connection with a portion of alumina, or clay, causes its great cementing power. In preparing it for use, it is burnt like common limestone. Instead of slaking it in ground, when with a mixture of sand, it is formed into mortar, and ready for use.

Through numerous deposits of this very valuable material have already been discovered and brought into use, advancing immensely the improvement and wealth of the country, deposits still more numerous, doubtless remain unknown. Once let each of the eighty thousand schools and the six million families in our country become an "Exploring Agent," to discover the resources of science, and of wealth under their feet and within their reach, and numberless beds of hydraulic lime, sand, valuable stones and other minerals, both rich and beautiful, will be bought to view and put to their proper use. Another discovery, still more important than lime, marl or gold, will certainly be made in the operation. It has always been made in very numerous cases. This most important discovery, certain to be thus made, is that bad boys are good boys—the worst the best. Leaders of rowdy gatherings will be—they have been very often—leaders in exploring expeditions; the more efficient for being juvenile, voluntary and gratuitous.

No. 12.—Hornblende is more tough than hard. So its name indicates. It enters largely into rocks. Hornblende rocks form some of the most beautiful and sublime mountains, and landscape scenery in the world. The Giant's Causeway, in the Northeast part of Ireland; the palisades, on the bank of the Hudson River; the Bluffs, called East and West Rock, about two miles from New Haven, Connecticut; Mount Holyoke and Mount Tom, on the Connecticut River; the richest scenery on the Columbia and other rivers in Oregon, and many other views, both rich and beautiful, in different parts of the world, are hornblende rocks. The scenery about Edinburg, in Scotland, is said to be semiblue very nearly that about New Haven, Connecticut, exhibited by the same geological formation—basaltic columns. In both these cities it is the common and almost only building material, admirably fitted for the Gothic style of architecture. Some poet said of the citizens of Edinburg, who have very much impaired the natural scenery about the city, for the purpose of architecture, that they sold the sublime and beautiful by the cart load.—These columns are very much in the form of hexagonal prisms, from six inches to a foot or two in diameter. The length of the prisms are frequently equal to their diameter. Each block is concave or hollowed at one end, and convex or rounded at the other, the concave and convex surfaces exactly fitting each other. The sides of the prisms are also as exactly fitted as the cells of a honeycomb, and of the same shape.

The most remarkable exhibition of this natural mountain mechanism, is in the Giant's Causeway, where these hexagonal columns, so perfectly matched, cover a great surface, and rise to the height of two or three hundred. The inhabitants of the country, at some ancient period, supposed it to be the work of a race of giants living there at a period still more ancient.

The property of toughness in hornblende, very much modifies the character of the rocks of which it forms a part. For many purposes they are the most durable of all rocky formations. The Rose pavements, introduced into New York, are formed of a rock from Staten Island, almost entirely hornblende, having a little quartz in fine grains inter-spaced through the mass. Though called Staten Island granite formation, correctly so called. No rock upon the globe could probably be found more durable or better fitted for such pavements than this Hornblende rock taken from Staten Island.

VALUE OF AN ORCHARD.—Every farmer or merchant who owns an acre of land, should supply it with fruit trees. The fruit should be worth more than any other produce that he would obtain from it, beside the advantage of comfort and health to the family. One individual of our acquaintance cleared off the rocks and set out 36 apple trees. The fruit has paid for all the labor, the land, and the trees, being now worth \$200.—Cultivator.

“Sow clover deep, it secures it against the drought.

Never plow in bad weather or when the ground is very wet.

Decompose a Hr.—“Sir,” said a portly person, who undertook a bulky editor, “do you know that I take your paper?” “I’ve no doubt you take it,” replied the man of the quill, “for several of my honest subscribers have been complaining lately about their paper being missing in the morning.”

Couen Straw.—Take one fourth pound of white sugar, the juice of two lemons & a wine glass full of sweet oil, three tablespoonsful of pectoral, and the whites of two eggs; mix thoroughly, and take a small spoonful three or four times a day. Shake the bottle before using.

The young lady who caught cold by drinking water from a damp tumbler, is convalescent.

Agricultural Implements, &c.

AGRICULTURAL STORE,

AT ATHENS, PA.

WHEELERS, & ALSO EMERY, & CO'S
NEW YORK STATE AGRICULTURAL SOCIETY'S
PRIZE WINNERS.

Rail Road Horse Power & Tresher,
With the Latest and Important Improvements, for
which Patent is secured.

The subscriber takes this method to inform the

Farmers of Bradford and the adjoining counties,

that he is agent for, and has for sale, the above col-
tected and unequalled Horse Power, and Threshing Ma-
chines, which he is prepared to furnish on the same
terms as by the manufacturer, with the addition of the
actual cost of transportation, contracted for at the
lowest and best rates.

The subscriber has sold a number of the above ma-
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best quality, and when delivered, known
to be in the best condition, than the preference, of
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