

## ADVERTISER.

**Agricultural Geology.** — No. 12.  
By JONAH HOLBROOK.

Quince granite is no granite; it is sienite. So are most of the Egyptian granites. This rock took its name from Syene, the name of a town in Egypt, where it abounds. Geologically, granite and sienite differ but slightly. In the relations of the two rocks to agriculture and architecture, they differ essentially. Quartz and feldspar are essential ingredients both of granite and sienite. Of the former, mica is the third ingredient; of the latter, hornblende. Granite is composed of quartz, feldspar, and mica; sienite, of quartz feldspar and hornblende.

Mica and hornblende differ so essentially in their chemical combinations and mechanical structure, as greatly modify the rocks of which they form a part, both in their relations to soils and buildings into which they enter. Both contain silicon, alumina, and oxide of iron; but hornblende contains twice the amount of iron of the mica, and a considerable portion of lime. Hence, when becoming a part of soils, it produces greater fertility.

Mica is exceedingly fragile in its character, readily changed into plates and fine scales, to an unlimited degree of thinness; while hornblende is tough, and not easily changed by mechanical action. It hence gives much greater strength and durability to sienite, of which it is an ingredient, than is possessed by granite, of which mica forms a part. For pavements or an other use, exposing the rock to friction, pressure, sienite and other, hornblende rocks have a decided preference to any granite formations of which granite, gneiss, and mica slate, are the principal.

Hornblende enters into rocks in almost every proportion, from constituting nearly the whole mass to a slight sprinkling on the surface, as may be witnessed in the Merchant's Exchange, Astor House, and many other buildings in New York, and in the Bunker Hill monument, and very many of the most valuable buildings in nearly all the principal Atlantic cities, from Boston to Charleston; also in New Orleans.

Hornblende so nearly resembles black mica, as frequently witnessed in rocks, as not to be readily distinguished by the eye. The point of a knife, however, will at once determine whether the black specks are hornblende or mica, as the latter will cleave off in fine scales, but the former—determining whether the rock is granite or sienite, and of course whether it is or is not fitted for certain desired use. Hornblende rocks are perhaps more widely scattered over the country in the form of boulders, than almost any other geological formation.

From the Germania Telegraph.

### Preparation for Clover Seed.

For several years past severe losses have been experienced by our farmers, annually, in consequence, as many farmers suppose, of sowing bad seed. Others, again, have attributed it to drought, which prevented the germination of the seed, effected its destruction after it had germinated and began to grow. All these causes, doubtless, have had their full share in producing the evil complained of; but we cannot help thinking that notwithstanding the introduction of much bad seed, and the occasional effect of severe drought, in some sections, the failure complained of, might, with proper attention in selecting and sowing seed, have been in a great measure, prevented. It is, however, generally well known, that clover seeds germinate slowly, and that the plants, during the earlier stages of their development are peculiarly fragile, and liable to be destroyed by a privation of water, or by the suffocating and smothering influences exerted by the grain in connection with which they commonly take root.

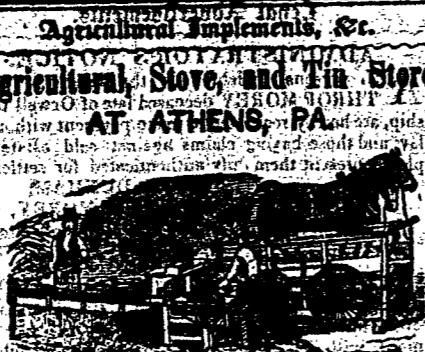
The latter evil is more extensive and fatal in its effects, unquestionably than many are prepared to suppose. I observed a field the last season, through which a narrow strip had been left unsoiled, in consequence of want of seed; but which had been sown with herds grass and clover, the same as the residue of the field, which had been laid to grass with oats. On this strip the grass presented a most beautiful and luxuriant appearance, while all those portions which had produced oats, scarcely a plant was to be seen.

In the preparation of clover-seed, I have ever found that soaking it a day or two in warm water, in which a small quantity of common salt has been dissolved, has usually produced the best results—but even this precaution against failure, will be of little use, unless the seed be carefully covered immediately, and at a sufficient depth after sowing, will be much more liable to fail, than that sown in its natural state. I have found it an excellent plan to roll lands intended to be laid to grass. For this purpose, I have a *drag roller*, which is especially formed by attaching a chain to a clevis fastened to one side, in order that the length of the drag may be at right angles with the direction of the draught. This allows the drag to swing clear of permanent obstructions, and finishes off the surface more thoroughly than any other instrument I ever used.

In laying lands to grass, I never sow my seeds with the grain. The frequent failures, which perplex and discourage the farmer, in his attempts to stock his lands, are, in my opinion, attributable to the natural effects of this practice. I prefer harrowing or plowing my stubble grounds, after the grain has been taken off, and sowing on my seed, care being taken to cover it thoroughly but not deeply, and to compress the surface and render it perfectly smooth and level, with the implement above named; or, if there are rocks or other obstacles in the way, which would render its operation imperfect or inefficient, with the heavy cylindrical roller. Seed put in this way, rarely fails to "come" well, and if the ground is in good condition, the growth will be rapid and vigorous, and the grasses more forward at the close of the season, than if sown with the grain in the spring.

A MONTGOMERY COUNTY FARMER.

**FANCY BISCUITS.**—Reduce one pound of blanched almonds to powder, and moisten with orange-flower water, until you have a smooth paste; add a little flour and mix well; then place in a pan over a slow fire; stir the mass constantly to prevent burning, until it becomes hard enough not to stick to the fingers; then mould it into various sorts of fancy shapes. Now make an icing of various colors and dip your form to suit color and taste; and then set them upon a clean sieve to dry. You may make them still more fanciful, by strewing over them different colored pistachio nuts. To be served with nut-cakes, at evening parties, or any other extraordinary occasion.



**Agricultural Store, and in Store,**  
**AT ATHENS, PA.**

**WHEELER'S, & ALSO, EMERY & CO'S**  
**NEW-YORK STATE AGRICULTURAL SOCIETY'S FIRST**

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

**Position and Reward.**—  
The subscriber having received all the information necessary to ascertain the method, to inform the subscribers of Bradford and the adjoining counties, that he is anxious for, and has for sale, the above celebrated Horse Power and Threshing Machine, which 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 machines in this, and the adjoining counties of Chautauque and Tioga, N. Y., and all without exception have given the very best satisfaction, and where they are known, all farmers give them the preference, on account of economy in threshing, being operated with less expense, and "cracking" and "threshing" each bushel grain and other materials.

The Two-horse Power Tresher and Separator is capable, with three or four men, of threshing from 150 to 200 bushels of wheat or rye, or double that quantity of oats, per day.

**Price of Emery & Co's one Horse Power,** \$85.00  
do Tresher and Separator, 30.00  
do Bands, wrench, oiler and extra pieces, 5.00—\$125.00  
do Two-horse Power, \$110.00  
do Tresher and Separator, 30.00  
do Bands, wrench, &c., 5.00—\$160.00  
Also, Wheeler's one-horse power, Tresher, and Separator, complete, (improved this season) \$120.00  
Wheeler's two-horse Power, Tresher and Separator, complete, 145.00  
Price of Emery & Co's one Horse Power, 75.00  
with bands, wrench, oiler, &c., 25.00  
New Mill, complete for use, 35.00  
Price of Gran's, Fan Mill, adapted for hand or power, from 22.00 to 25.00

The subscriber will also the coming season be prepared to furnish to order.

**EMERY & CO'S NEW**

**THRESHER AND CLEANER.**

Emery & Co, for nearly two years past, have been experimenting to produce a machine to operate with their Power and public interest in field threshing; and with much time and expense have succeeded to their entire satisfaction, and are now prepared to furnish a Self-thresher, combined with all the advantages of their overshot cylinder, and at the same time requiring less force to operate its rotary motion than is required by the vibrating separator. It has been thoroughly tested during the last harvest, and some of them have been used in the past season for threshing in the best grain growing sections of the state of New York with the best success—threshing months together an equal amount and at least expense, than the common, threshers with the vibrating separators.

The Cleaner has all the advantages of a good flailing mill, cleaning the grain for market, wasting none. The additional cost being but little more than a family mill, or about thirty dollars—making the whole Thresher and Cleaner cost \$75 to the Farmer, and with Emery & Co's two-horse power, \$165.00.

The Cleaner can be detached, and the Tresher used alone when desired. These new Thresher and Cleaner are destined to take the place of the old, expensive and cumbersome thresher and cleaner, now in use.

Farmers and others wishing to procure any of the above-mentioned Horse Powers and Threshers, will save trouble, risk and expense, by purchasing them of the subscriber.

(C) On account of the large demand for the above, machines, and the difficulty of immediately filling orders for them, persons wishing to purchase machines should apply to the subscriber at this time and at what time they wish to procure them.

Farmers wishing to do their threshing immediately after harvest, should procure their machines as early as the first of July. Also for sale.

**A GENERAL ASSEMBLY OF IMPROVED**

**AGRICULTURAL & HORTICULTURAL IMPLEMENTS,**

At manufacturer's retail prices, such as

**CORN SHEARS, HAY & STRAW CUTTERS,**

**CULTIVATORS, CORNPLANTERS,**

**STUBBLE, SWARD, SUB-SOIL & other PLOWS,**

**DOG POWERS FOR CHURNS, KENDALL'S**

**CHURNS, GRANT'S GRAIN CRADLES,**

**REvolving Rakes, Hay, Straw and Manure Forks, &c. &c. Also,**

**Cast Iron and Wood Cisterns and Well Pumps,**

**LEAD PIPE of all sizes, in large or small quantities,**

**cheap for cash.**

R. M. WELLES will, the coming season, be prepared to furnish J. T. Grant & Co's celebrated patent

**Premium Gratin Cradle,**

**wholesale and retail.** The cradle will be furnished with Dunn's celebrated Scythe, the best made in the Union and warranted. Orders respectively solicited from town and country merchants.

Also for sale, a large and well selected assortment of

**COOK, PARLOR & OTHER**

**STOVES,**

**VARIOUS BEAUTIFUL PATTERNS, SIZES, PRICES, &c.**

**CHARLES K. LADD, M. D.**

**PHYSICIAN AND SURGEON.** Office in the

**Union Building, between Elmwood and Adams' Law Offices.**

**Between Elmwood and Adams' law offices, where he**

**may always be found when not professionally engaged.**

Towanda, July 12, 1850.

J. MINTOSH, DENTIST.

Has removed to a few doors below Bridge street,

on the East side of Main-street, in the building formerly occupied by J. D. Montanye Esq.

All operations amounting to \$50, or over, one half to be paid down, the remainder in three months. If the operation proves unsatisfactory, the money paid will be refunded. A note of hand however must secure the payment of half left unpaid, with a proviso.

R. D. HUSTON & PORTER.

PHYSICIANS AND SURGEONS, office, south

of the West House where they may be found ready to attend to calls of their profession.

LACEYVILLE HOTEL!

THE SUBSCRIBER, having now completed his arrangements for the accommodation of the traveling Public, feels warranted in soliciting his share of Full Payment. His hotel will be furnished with all the best appointments. His Dining Room, Library and Wareroom. His Bar will be filled with all good Liquors, and all local inflammation, curinig all sores, burns, heat-ses and lameness, rapidly. Piles, bowel complaints, colic, morbus, hemorrhage, ear aches, tooth-ache, eyes, ears, and all various affections. It is white and water and as harmless, and it is called.

"Pond's Pain Destroyer and Healing Extract."

This is genuine except "Pond's Extract" is blown in the bottle. Mr. Pond first introduced this medicine to the public and has expended a vast deal of time and money in bringing it to a high state of perfection, and we now warrant every bottle to give satisfaction.

A man by the name of Spencer has put forth an article called "The Cupule Extract," which claims to be from the Witch-hazel, a simple remedy, which has a more just claim to the name of family cure, than any Medicine that has ever before existed. Nothing is more safe with it than Alcohol to preserve it, and it acts with great certainty in removing pain and all local inflammation, curinig all sores, burns, heat-ses and lameness, rapidly. Piles, bowel complaints, colic, morbus, hemorrhage, ear aches, tooth-ache, eyes, ears, and all various affections. It is white and water and as harmless, and it is called.

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