Rural Koonomu.

GRAIN FARMING IN EASTERN PENNSYL-VANIA. III.

Almost every State has its distinct phases of agriculture, occasioned by its soil and climate, or by its first settlers. Grain growing, which is the leading business in the husbandry of the best portions of Eastern Pennsylvania and New Jersey, is secured by the peculiarities of the soil mainly. The soil which is under the plow is easily tilled, and comparatively free from boulders or large stones. There is nothing to interfere with the plow, the harrow, or the cultivator. For the most part, corn is not touched with the hand-hoe ofter planting, and even the planting is often done by the drill. Lime is almost everywhere cheap, and with the small quantities of manure made, serves to keep up the fertility of the land with very moderate applications. The farms underlaid with limestone are said to be subject to drought in summer, making them unreliable for pasture. Rye or wheat, oats and corn, are easily raised, and probably pay better than dairy farming. They take less capital, involve less labor, and require less skill. The rotation, corn on a limed sod, oats or a summer fallow, manure, and winter grain, either rye or wheat, clover, and timothy are common, making a five or six years' course. There is a uniformity in following this course, without much regard to the nation-

ality of the original settlers. It is the off) We come upon the characteristic PENN-SYLVANIA BARN, long before we enter the State at Easton, travelling by the Morris and Essex railroad. It is planted if possible, upon a side hill, and has one or two storics below the barn floor, where the hay and grain are delivered. The best model has stone gables, and the walls of the lower stories are of stone or brick, laid in mortar, and made rat proof. The entrance to the main floor is directly from the ground on a particular one that we wish, should have the upper side, or by a broad drive-way of full possession of the soil. Now we know gentle ascent where this is necessary. It is of no help for weeds, whether in garden or of large capacity, frequently 50 by 100 feet, and will hold several hundred tons of hav and grain. There are deep bays on either the stems and puts some salt on each, and side of the floor for hay, and immediately thus destroys them, it is no exception to the beneath the floor is the granary into which general rule. Had he put an equal amount the wheat, oats, and rye are received, when they are threshed. The threshing and cut-ting of straw, corn fodder, and hay, is all done by horse power: The cut feed is con-veyed by a shoot to the stables in the base: ment, where it is mixed with meal, and fed to the animals. The whole basement is occupied with stalls for cattle and horses. There is a large cistern in the side hill, catching all the water from the barn, and for: If weeds have got the mastery, use furnishing an abundant supply for the stock. some of the various weeding hoes, rake them A pipe brings the water from the cistern, immediately in front of the feeding stalls, so that little time is lost in watering. Sometimes a neighboring spring, instead of a cistern, furnishes the water. There is one grand defect in this style of barn—the want of some means near the stalls for the preservation and composting of manures, and with this supplied, we do not know that it could be changed for the better. Manures are not prized so highly as they are further East, dried refuse and for this perhaps the lime is at fault. It culturist. is a great labor to clean out the stables in this kind of barn. The manure is carried out by wheel-barrow or other contrivance, and deposited in the open yard, where, mixed with straw, it lies exposed till the annual clearing out comes in August or September, for the oat stubble or summer fallow. A barn cellar underneath the stables would save largely in labor, and in the value simply dropped on the ground, and a thick of manure. We think, on many of these layer of straw spread over it, which takes the place of manure in several ways: First farms, from two to five hundred dollars are lost every year for want of a cellar.

Pork raising is quite an important item in the business of the grain farm. The pigs seen where brush is allowed to remain on are sometimes fed in clover through the summer, but quite as frequently run at ing the ground moist and pliable during the summer, but quite as frequently run at ing the ground moist and pliable during the generally fed upon raw corn, and in large its gradual decay a large amount of actual inclosures when shut up for fattening. We did not find the small pen well filled with muck or loam, upon which the eastern far-is entirely smothered, the rank vines penemer relies for several cords of his best trating through the straw, which is immanure. We believe it pays to have swine pervious to the weaker weeds, that have no sheltered, and to feed with ground and cook- strong pulp to force them along. The crop ed food.

MUTTON AND WOOL.

When the whole community of sheep raisers is running wild, almost, after finewool sheep, it may seem strange to some that we should continually advocate mutton breeds. Perhaps it would not be so if these were the favorites of the speculative class of breeders. We can, and do, raise as good mutton in this country as they do in England, but our people are not such muttoneaters, and, though mutton raising pays quite as well, in fact better usually, than beef-raising, yet our market is not a disought to be, though remanerative.

to quality-length, fineness, strength and ing one-third as loss in washing. It is not to be expected that these relative prices will ful combing fleeces have gained, and will hold, a value far above carpet wools.

For the real wool-raiser, no doubt the and best wool, free from excess of grease; troleum, for while the former is subject to but for small farmers who have tich farms on which a few sheep, 50 to 100, will do well, none present so great attractions now as do the Cotswolds. They grow to an immense size, Christmas mutton carcasses weighing petroleum is only above. If a lump of burn over 200 pounds being almost every year coal falls on the floor, it will singe and burn brought to New York, and sell at the highest prices. They make early lambs. The grades,

ABOUT WEEDS. maket soil

undesirable plant—or weed—and not injure rangement explosion is made next to imthe desirable plants of the crop. Therefore, possible." the desirable plants of the crop. Therefore, all applications, be they salt, plaster, ashes, or what not, merely to kill weeds are simply absurd. Cultivation consists solely in giving the plant that we wish to grow an advantage over other plants. In an uncultivated field where everything is left to itself, it becomes a "struggle for existence," and the strongest—which is usually the most worthless. gets the best of it. In all our cultivation, the aim is to give the crop we wish to grow sole possession of the soil, and all our cultivators, horse-hoes, hand-hoes of, all, kinds, in field, except a mechanical one. If one finds a few Canada Thistles in his lawn, cuts of salt all over his lawn, he would have killed everything upon it. We have but little sympathy with a gardener who lets the weeds get the better of him. His soil should have been kept so constantly stirred that weeds could have no chance. Whoever is not able to keep down the weeds by the use of the rake, or the many weeding-hoes, has more garden than he can properly care at once from the ground, and if there is a sign of a flower or a seed upon them, do not gin. let them go to the manure heap—it is all nonsense to talk of destroying their vitality by fermentation—but just spread them where they will dry, and then, with the accummulated brush and other combustible gar den rubbish, burn them. With a little care, ashes, so valuable as a fertilizer, may be made in considerable quantity from properly dried refuse of the garden. - American Agri-

THE BEST WAY TO BAISE POTATOES.

A new way of planting potatoes has been adopted in England, and to some extent has been tried in this country, with good suc-

The seed is planted under straw, being the place of manure in several ways: First preventing the escape of ammonia, and thus governing the growth of vegetation, as is large, and the manure is wasted. They are hot season, and third, by furnishing through on the removal of the straw is found lying on the ground, almost as clean as if it had been washed, as indeed it has been by all the rains of the season. It is stated that a thousand bushels to the acreshave been raised by this process.

Scientilic.

AN OHIO STEAMBOAT RUN BY PETRO-

A successful experiment was made last week on the Ohio river with petroleum as a ANSON JEWELL, 1103 Vine Street, Mail and a new lines criminating one, and the most profitable substitute for coal in navigation. The Cinsheep to buy and fatten are fine-wools, if cinnati Gazette says of the new method of bought with judicious care. There is always raising steam: "The advantages of this arsale for South-down and Cotswold mutton, rangement are so obvious that it seems aland the difference in price is not what it most superfluous, yet we cannot resist pointoght to be, though remanerative. ing out at least a few of them. First of all we have the economy of the fuel itself in the value of the combing wools. They twenty dollars' worth of petroleum being have increased in price, while fine wools rule | equal to fifty dollars' worth of coal. Then scarcely any higher than in specie times, there is the economy of weight and space, and, were the quotations reduced to the gold which is as one to ten. In addition to this standard, they would be lower now than for we have the saving of wages of firemen and many years. The reasons for the high price | coal heavers, the saving of time in taking of long wools are several. A class of manu- the fuel on board, and above all the perfect factures has come in vogue which requires control of the engineer over the fire, and the these combing wools, and the supply from complete absence of danger from sparks. Canada is, in a good measure, cut off by the operation of the new Tariff, while in Eng- hitherto been the great bugbear by which land, the home demand keeps prices up, and our enterprising steamboat builders and mathe wool chiefly at home. The small amount chinists have been scared off. We are not of combing wools raised in this country is at all surprised at this, for steam itself had not, it seems, sufficient for the demand. to struggle hard ere it could assert its su-There seems to be an overstock of goods premacy over every other power in use, and made from the finest wools, and manufacture we feel satisfied that coal will give way to turers are buying but very limited quantities, petroleum as the towpath gave way to the hence the general depression of the fine railway. But let us look a moment at the wool market.

A few years ago long wool sold according plosive. They are three: a pent up space a mixture with atmosphere, and the actual gloss—at 25c. to 35c. per pound. Now it sells living flame. It will not explode in an open at 50c. to 75c. The clip of a flock of equal purivessel; it cannot explode unless it is first ty and excellence recently sold, unwashed, at 50c. to 55c., which is equal to 75c. to 82c., into the oil will simply communicate to it according to the usual calculation—deduct- its caloric and cool off. Any one of the above conditions being lacking, the oil is perfectly harmless. In this respect it does not continue, but it is certain that these beauti-ful combing fleeces have gained, and will a hundred other substances with which constant use has familiarized us, and which consequently we consider perfectly safe. Nay, best policy will ever be to raise the finest even coal itself is more dangerous than pespontaneous combustion, with the latter it is simply impossible. Again, while with coal there is danger in every direction above, below, around,-the danger with the on the floor and catch fire, a lurid flame will alf-bred; are very strongly marked; and the shoot up and die out in a few seconds, with three-quarters' pure are often hard to tell out even scorching the floor. Hence we have nothing to guard against but its incorrect and distinctive marks of purity of blood.—American Agriculturist. the principle of Sir Humphrey Davy's Safety Lamp: A fine wire gauze covers every opening through which the flame could There can be no specific that will kill an possibly get access, and by this simple ar

STORM OF BLOOD AT ALBANY.

Masses of gelatinous matter, containing minute granules arranged in it with some regularity, were found in the streets early yesterday morning. Viewed through a microscope, the small, brick-colored bodies were somewhat of the shape of grains of wheat, and the gelatinous matter seemed to be connected to each one as a separate covering. They were apparently separate cells, very uniform in site, being 1-120th of an inch long, and 1-250th of an inch thick, filled with granular particles, from which they derive their color. and their appearance gave them, at first, somewhat the character of one of the singlecelled protophytes, resembling most the Palmoglea, one of the humblest kinds of vegetation. That they were not these was proved by their behaviour with indine, and their containing a district cell wall.

Several persons claim to have seen them. falling as a shower, and they were not found under trees or shelter. They have probably been carried for a great distance by the wind. They are more likely to be the germ cells of some marin growth, perhaps the fucus platycarpus, which they resemble. The presence of chloride of iodine, (sea salt), which is found largely in the gelatinous envelop, is corroborative of their marine ori-

Dust storms and blood rains so called from the character of the dust which they deposit, usually occur in the spring or fall, though they have been observed during every month of the year.—Albany Argus.

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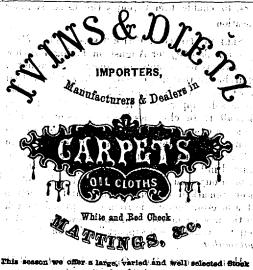
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