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# THE COLONIAL FARMER,

# EVOTED TO THE AGRICULTURAL INTERESTS OF NOVA-SCOTIA, NEW-BRUNSWICK, AND PRINCE EDWARD'S ISLAND.

OL. 2.

HALIFAX, N. S., AUGUST 1, 1842.

NO. 3



## THE COLONIAL FARMER.

HALIFAX, N. S., AUGUST 1, 1842.

dissolution of stones—uses of draining. Many old men must have observed that the soil of a garden which was originally sandy or gravelly, becomes, where manure us been plentifully used, too stiff and clayey; unfit to work early the spring, and liable to bake and become hard in dry weather. with a soil will be much improved by limestone gravel, broken fister shells, or bones broken into smail pieces, stable manure, deand peat, all pessess the power of decomposing hardest rocks, generally most rapidly when constantly wet. We have along our Southern coast abundance of slate rock which spears to be older than any of the rocks of the sandstone and gypand districts. This slate contains a large quantity of pyrites, comed mostly of sulphur and iron, and this mineral when exposed otherir soon becomes iron vitriol, or what is commonly called iten copperas, which dissolved by water is constantly rising to the when it is decomposed fir quickly, if it comes in contact with decayed vegetable matter; ind somewhat more slowly by simple exposure to the air, letting lie iron fall in a state resembling yellow ochre, which soon hardens, scrusting the slate with a brown rust, and uniting with rich mould firmed from rotted manure, and changing it to a barren coarse givel not unlike crumbled bog ore. Wherever a bed of wet peat supon the slate it will be found separated from the rock beneath alayer of blue clay eight or ten inches in thickness, which is philestly a portion of the slate disintegrated by the action of pear. ad water; it is often laminated like the slate on which it rests, it mtains vitriol, and will with proper preparation yield a considerble quantity of allum. Bricks formed from it dry very hard but numble to dust when exposed to a strong heat. The broken gments of slate that underlay wet peat are entirely free from the lyde of iron, or rust that is found on the surface of all those exgred to the air, and they have a worm eaten appearance caused by a solution of the portions of pyrites that were in the stone. there wet peat rests on the hard blue whinstone, the surface of ones will be found soft and white like a soft white sandstone, and therally a considerable quantity of soft white sand, which is easily bed into an impalpable powder, and manifestly formed from the itial decomposition of the stones will be found among them. ocasionally in a cleft of this kind of stone may be found a decayed ot of a brake which has left its figure upon the smooth face of the ode by depriving the part in contact with it of its iron and manmese, leaving it white, and much softer than the adjoining part.

Even upon the granite, the most imperishable of our rocks, the effects of decaying vegetables are perceptible. It is not therefore strange that gravelly and coarse soils should become fine, and even clayey by cultivation, for many hard tooks contain the materials which form the best rolls, but as there are in some rocks which are very widely diffued, immense quantities of the striolic mineral, for this mineral is by no means confined to the slate,) and as this mineral changes cartle, and even fertile mould to stone, we are the shedute recessity of draining, to prevent the sitriclic water from heneath from rising, and rendering our rich land barren, and for the same purpose subsoil ploughing is useful; for water will not riso above its level in a loose soil, but it will rise in solid clay, or minute fissures in rocks by capillary attraction, or that power which makes it rise in a lump of broken whinstone or loaf sugar when the bottom is placed in water. Thus we see in dry weather where the slate rock is bare, there is usually a line of copperas along the surface upon minute fissures, but none upon the larger cracks.

Upon all shallow soils therefore that rest upon vitriolic rocks, lime, as a manure must be nearly useless till they are thoroughly drained, for the quantity of lime commonly used would be almost immediately neutralized by the vitriol, before it could have time to decompose the vegetable matter; but limestone gravel would always do some good, for it would be changed to gypsum by the vitriol and separate-its carbonic acid in an acreal state, the state in which it furnishes food to vegetables. In Scotland where there is a great proportion of vitriolic soil, it has been found that draining was absolutely necessary to make the land fertile, and that after draining lime was found very useful on most soils that abounded in vegetable matter. Lime has, by chance, been found very useful applied to an undrained vitriolic soil in a very dry season, while on the adjoining land, of the same description of soil, it had no perceptible effect, applied in a season when there was a sufficiency of rain. The vitriol will by degrees be in a considerable measure washed away from a drained soil, as we see that where the slate swells into lofty hills, the rock at the lower part of the hill is full of Pyrites, and has its surface covered with rust, while the upper part of the same hill frequently has a pretty good soil resting on a rock with very little pyrites or rust, but occasionally containing small serpentine veins of limestone, which make the slate useless or building stone, because the limestone decaying when exposed. causes the slate to divide into small angular pieces. It is probable that this slate was originally of one kind, and that water running down has in the course of ages removed a considerable part of the vitriolic mineral from the upper parts.

Vitriolic minerals are very generally diffused over no small portion of the earth, and a certain portion of this salt is probably necessary to fertility, because it serves to disengage the carbon from limestone in a state fit for the food of vegetables, but a very considerable part of the barren lands are rendered barren by an excess of vitriol, and the principal use of draining and sub-soil ploughing, is, on many soils, to get rid of the superabundant quantity of this mineral salt.

#### GRAVELLY SOILS.

Near the sea-shore gravelly soils resting on a course open gravel are often cultivated. This is accounted a hungry soil, which reproperties attached to it; in cold wet seasons it always produces better crops than clayey or loamy soils, and it never requires draining, except in situations where springs break but. It is always the best soil for fruit trees, and it always gives potatoes of the hest quality. But if it should be cultivated till the roots of the grass have all disappeared, it becomes very hard in a short time after it is worked, and suffers greatly with a slight drought. This kind of land when broken up from grass should have potatoes ploughed in at once, the manure having been previously spread upon the ground, and the furrow should not be more than three inches deep; the ground should be immediately harrowed lengthwise with a light harrow, and the harrowing should be repeated when a few potatoes begin to show their tops breaking through the ground. The next apring, grain with grass seeds should be sowed, and the ground may be moved for two seasons, after which it were best that it should be pastured for three or four; but as much of this ground is very hilly, and for that reason not suitable for frequent ploughing, it may by top-dressing be kept so mellow that it will bear mowing for a considerable time if a small quantity of lime and wood ashes are mixed in the compost. It is also very useful to give a dressing of bog moss (the plant "moss" and not Scotch moss, or peat,) to very dry hills in the fall; it will be found to increase the grass considerably on land that has been formerly well manured.

These gravelly soils are generally very stoney, and if a small piece were broken up for an orchard, the trees would succeed better if all the stones were left upon the ground, in long horizontal heaps upon the face of the hill, the trees being planted on the upper side of, and near to, the stone heaps. All open cultivated ground in summer becomes hard unless frequently stirred, and in dry weather gets into such a state that the rain runs through without wetting it, as it often in a great drought repels the touch of water as completely as a water spider. But the ground covered with half a yard of stones is always as loose and light as that which has been lately ploughed and harrowed; and will always imbibe the water that falls upon it. It is indeed in the same state as the soil of old woods, and for this reason almost every shrub that grows in woods will thrive in the edge of a stone heap, but will soon perish in clear land. The Raspberry which will never thrive in clear land if it is not much worked, will, if permitted, almost invariably take possession of the edges of stone heaps, where it always flourishes if wild roses and other shrubs are not permitted to overtop it.

Peat earth mixed with a gravelly soil in considerable quantities, is less useful than on clayey soils, for although it serves to prevent the ground from growing hard, and is really useful in a wet season, get in a dry time it increases the dryness of the land, for it will for twenty years retain its property of parting almost instantly with water; but the dead turf from the surface of burnt softwood land, and even from the rocky barrens, is very useful on hard gravel, which will continue to give good crops of dry potatoes for many years in succession, if the manure is mixed with four or five times as much of this turf, which, although to the eye it appears to differ qittle from peat earth, yet retains moisture very well while it keeps the soil loose and light, and it also serves as well as rotted manure or decayed roots of grass, to keep the ground warm, for there is no soil which more quickly becomes cold than gravel, as we see on the approach of winter that the gravel will be frozen to the depth of a Got when the turf-coated soil of the burnt land will not show frost more than three or four inches, and in the spring the gravelly soil always thaws the most rapidly, showing that it is a powerful conductor of heat, which readily passes from the earth through it in the fall, and as readily enters the earth through it in the warm sea-

quires a great quantity of manure, but it has certain peculiar good properties attached to it; in cold wet seasons it always produces better crops than clayey or loamy soils, and it never requires draining, except in situations where springs break but. It is always the liest soil for fruit trees, and it always gives potatoes of the heat quality. But if it should be cultivated till the roots of the grass have all disappeared, it becomes very hard in a short time after it is which are bad conductors of heat, and when the surface is covered with such such ductors of heat, and when the surface is covered with such such ductors of heat, and when the surface is covered with such such ductors of heat, and when the surface is covered with such such as the decayed grass sward and the turf of woods are bad conductors of heat, and when the surface is covered with such such such as the decayed grass sward and the turf of woods are bad conductors of heat, and when the surface is covered with such such that the decayed grass sward and the turf of woods are bad conductors of heat, and when the surface is covered with such such as the decayed grass sward and the turf of woods are bad conductors of heat, and when the surface is covered with such such as the decayed grass sward and the turf of woods are bad conductors of heat, and when the surface is covered with such such as the decayed grass sward and the turf of woods are bad conductors of heat, and when the surface is covered with such such as the decayed grass sward and the turf of woods are bad conductors of heat, and when the surface is covered with such such as the decayed grass sward and the turf of whether the surface is covered with such such as the decayed grass sward and the turf of which is the covered grass sward and the turf of which is the covered grass sward and the turf of which is the covered grass sward and the turf of the surface is covered with such such as the covered grass sward and the covered grass and the covered grass sward and the covered grass and

AFFLES.—We conversed a few days since with a gentlemants siding in the vicinity of Boston, who has now upwards of 30 acm of land in orcharding, the trees in a fine healthy state, and in falbearing. He was then scouring the State, for the purpose of being young and vigorous trees to enlarge his orchard much beyond its present extent. When we saw him he said he had eight hundred barrels of apples on hand in prime order, for which he could have three dollars and a half a barrel. He tells us that the demanding the exportation is limited only by the supply; that to every part of the globe, where American vessels go, they are a profitable articled export, and that to an almost unlimited extent.

One merchant in Boston, applied to him last fall, for 500 band of Baldwin apples at two dollars and a quarter a barrel, to ships Calcutta in the East Indies! He had shipped about the sus quantity for several seasons, and with uniform success. Shipmen to England, the West Indies, South America, the Mediterranea and other places give equally good returns. The apples of Ne England keep much better than those raised farther South, and a preferred for shipping on that account. — Worcester Spy.

Why do we import apples? We ought to export them. h the greater part of this Province good apples can be raised h chusing situations sheltered from southerly winds, making the Orchards small, and permitting a belt of Firs to surround thes; and in countries warmer than this they do not succeed well wha planted in open exposed situations. Our Summer is not la enough to produce all the best kinds of this fruit, but it is sus ciently long for many kinds, and we can produce new kinds for seed. By skilful management many new varieties of good fai may be produced. If seeds of ungrafted trees that produce god fruit are sowed, there is a much greater chance of a good variet being produced, than when the seeds of good fruit from a in grafted upon a bad kind are sowed, because the produce most for quently resembles the stock rather than the graft; but stocked the same kind with the graft can be procured by planting cuttion There are many apple trees whose twigs may be made to form ros before they are separated from the parent tree. Slightly sentithe outer bark of a thrifty vigorous shoot near where it grows from the branch, and then bind a handfull of moss about it early in the season. The following spring it may be cut off and planted, n will frequently be found to have formed roots in the moss, be without any preparation cuttings may be made to form roots careful nursing. The trees will generally prove dwarfs, but 🖷 be very suitable for producing seeds for new varieties. By plus ing two trees of a good kind near each other a cross is sometime produced which is very good. Never take cuttings either for gns ing or planting from an unhealthy or dead-hearted tree, for the & feet will always continue. It is necessary to keeping up a lag variety of good apples that new kinds raised from seed shouldb frequently introduced, for the practice of grafting is but the diviso of one tree into many, all which fail at the period that age natural Young orchards should be terminates the life of an apple tree. the ground between the trees occupied the greater port of the time with some crop that is hoed and manured, as they will grow the more than twice as fast as those that are planted in grass land.—Er

FARMERS SHOULD BE MORE COMMUNICATIVE. — Although we have laid hefore our readers quite a number of valuable communications, every month, we are satisfied that there are many farms

he might be of essential service to their brother farmers by combad cos. agnicating the result of their experience through our columns—ad we call upon them to come out at once, without any reserve, ich sok. which is and lend their aid to advance the agricultural interest. of ask for elegant and refined productions, for we know that nine arden d milts of our farmers have not had that opportunity of education is here hich has been enjoyed by professional men. Only give us prackal good sense, dressed in that plain garb which farmers so much bstaces dmire, and you will have the satisfaction of having contributed our share to the common stock of agricultural knowledge. nery farmer should do. We would willingly afford more space to men te ammunications, even to the exclusion of some editorial matter,

Central New York Farmer. right time, call on the farmers of Counceticut to send in their experiences." It is the dute of cross formers We say amen to the above, and would now, for the hunhundre ommunicate;" and he must be a supremely selfish man, who rebesto tell what he knows, for fear his brother farmers will be as

se as himself .- N. II. Farmer's Gagette.

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(The best and most useful Agricultural publications are those hich form a common Stock of the knowledge which has been acgired by the experience of many, and in every country there are ambers who have each learned something by experience which ould be useful to many if published. When new breeds of cattle rranen arintroduced, or new farming implements; as it is well known of Net naturen are apt to over-praise what they wish to rell, these supsed improvements are viewed by most persons as doubtful, till perience has proved their value, when by publishing well attestand detailed accounts of success, which serve to convince the eredulous, great service is done to the country. We are conaced that there are numbers in this Province, who could give hir brother farmers some useful information, for as there are none boknow so much, that they have nothing to learn, so, there are was ignorant, that they cannot teach something that is useful. Ed. Col. FAR.]

#### POTATOES.

ce god The first field culture of this root in Scotland was in 1739. They variet me left in the same spot of ground from year to year; a few were . a tra chaps used in autumu, and the parent plants well covered with Her to save them from the winter's frost. The progress of the tocks afterwards greatly retarded by the fact that " potatoes 10st fr enot mentioned in the Bible," which was dremed a sufficient uttion monforrejecting them. Ignorance of the proper mode of cooking m rote em. (an evil which has not wholly ceased at this day.) also reided their culture, "a person who had been invited to taste the at potato in the County of Forfair, about 1730, related that the ous had been merely heated, and that they adhered to the teeth y in the le glue, while their flavor was far from agreeable. The food ed, as in about to be condemned through the ignorance of the cook, oss, le ben the accidental arrival of a gentleman, who had tasted a notato oss, the transitive caused the rejected roots to be remanded back to the otturf ashes, till they became as dainty as they had before been useous." "It is only within these forty years that any particular tention has been paid in France to the cultivation of the potato. netize her were long regarded as unwholesome, and only fit to be eaten gardy attle and the most wretched human beings." It required all tefforts of royal authority, supported by royal example, to craaithe lette the popular prejudice against them. Now, so diversified is temanner of cooking the potato in France, that a gentleman is id to have dined a party of friends, sumptuously, entirely upon outces, cooked in thirty-two different modes.

Having been enquired of as to the process of extracting sugar tura# on the potato, we subjoin the particulars as we find them in the ld him Minburgh Quarterly Journal of Agriculture—the discovery and te experiments having been first made, we believe, in the State of tw. York.
The potatoes are first ground or grated in a mill, similar to, or

he tim # ther

t same as we denominate the grater cider mill, by which they treduced with surprising rapidity, to a fine pulp, and from bich, by the aid of a sieve and water the starch in great purity is addy obtained. It is then dissolved in water heated by steam let to it. A certain quantity of sulphuric acid, is then mixed with two hands employed to turn the wheel.

it, and heat being applied, the whole of the starch is converted into syrup. This is to be freed from the acid by adding quick lime, and then evaporating the liquid. The sugar remains after evaporation and is used for all domestic purposes. Its taste is that of a delicious sweet, and as an article of diet it is probably more healthful and less oppressive to the stumech than any other sweet substance in use. It is particularly useful in making sweetmeats, and

may be used at table as honey. There are various other uses to which this valuable root is now converted, that our ancestors never dreamt of. From the potato may now be procured bread, starch, jelly, sugar, molasses, beer, brandy, cheese, coffee, tapioca, dyestuffs, size, cleansing liquids, and medicine. The Saxons make from it a kind of cheese which retains its freshness for years if kent in a close vessel. It is prepared either by mixing sour milk or curd with the potators boiled and reduced to a pulp. One pound of curd may be mixed with five pounds of the mashed potatoe and put into a stone crock; it should. he worked over every third day for a fortnight, when it may be made into small cheeses, which are dried in the shade, and then They are supposed to be best when three years old. packed close. A French Chemist has converted the potato into a substance resembling, and he says, superior to, coffee. He mixes some best olive oil with a certain portion of dried potato-flour, and then adds a small portion of coffee powder. Chemical ingenuity has likewise converted it into substitutes for arrowroot, chocolate, tapioca, and vermicelli. From the flowers is made a beautiful yellow dye, solid and durable, and showing its colour by candle-light, which when plunged into a blue dye becomes a perfect green. The potato is always used with excellent effect in steam-boilers, for preventing the gathering of a calcareous incrustation on their bottoms. liquor drawn off in the process of making potato starch will clean silks, woolens or cottons without damage to the texture or colour. Cultivator.

\* The quantity of the strongest sulphuric acid should be onehundredth part of the weight of the dry starch, but as it is not easy to procure this strong soid, about a sixtieth part of the weight of the starch, of common oil of vitriol may be used. After the scalded starch has become a sweet syrup, the lime to be added to it must be the quantity that will exactly neutralize, (or deprive of all acid taste) the same quantity of oil of vitriol that has been added to the syrup; the acid and lime will unite, become gypsum, and subside to the bottom after the syrup has stood at rest a while. It may then be carefully poured off and boiled to sugar.

Great quantities of potato starch are now manufactured near the city of Paris, which are used in cookery. Its price is always double the price of wheat flour. Scalded with milk, sweetened, and spiced it makes a pie much resembling a custard, and it is used for every purpose to which arrowroot was formerly applied.

In the fall a bushel of dry mealy bluenoses will give nine pounds of flour or starch, and the fibrous matter that remains will, when dry, weigh nine pounds, and will be equal for fattening swine, if scalded, to the same weight of Indian corn; but it is asserted in France that the proportion of flour continues to increase till February. It should be observed that the half bushel was heaped completely, being rather New York than Halifax measure, and that several hundred weight of the flour was manufactured. The potstoes were grated with a machine turned from a block of haidwood, in form resembling a common grindstone, 17 inches diameter and 5 inches thick, with its axis and crank. This was hung on a frame high enough to allow a large tub to stand under it, and the wheel was covered with grater made from thin sheet iron. A hopper sufficient to hold two bushels of potatoes was affixed to it, and the inside of the lower part of the hopper was lined with a narrow strip of grater. It was necessary that the lower edge of the grating wheel should always reach the water in the tub beneath it. As this was made by a person who had neither seen nor heard of such a machine, it might undoubtedly be much improved. It grated bushel in 5 minutes, when weight was laid upon the potatoes, and

As it is expected that the Gas works will soon be in operation only one-half pound; whilst that dressed with ammonized water here, the following Prize Essay which shews the value of the Ammoniacal water of the Gas works as a top-dressing for grass, will be in season.

ON THE BENEFICIAL EFFECTS OF AMMONIACAL WATER, COMPARED WITH OTHER SUBSTANCES. AS A TOP-DRESSING FOR GRASS-LANDS.

By Mr. Thomas Bishop, Land-Steward to Robert Smythe, Esq. of Methren Castle, Perthshire.

#### [FIVE ROVEREIGHS.]

It having been represented to Mr. Smythe that saltpetre is an excellent stimulant for the production of gravs, he desired me to dress an acre of land therewith, and suggested the propriety of giving it a comparative trial along with other substances considered fertilizers. The field selected for the experiment had been three years under grass, the two last pastured with cuttle; and consisted of a heavy damp loam, of an irregular surface, which had been partially drained, and sown out with a variety of grass and clover

On the 12th of April a Scotch acre was measured off along one side of the field, and sown with I cwt. of the best nitre, which A second acre adjoining thereto, with 13 cwt. of nitrate of sods, at 25s. 29 owt...... A third acre, with 5 cwt. of rape-dust, at £7 \$7 ton .... 1 A fourth scre, watered with 105 gallons of aminonincal water, at 4d. P gallon, diluted with five times the quantity of common water, ...... 1 And a half acre sown with 3 of a cwt. of nitrate of soda (or 74 lb) mixed with 21 lb of common salt,....... 0

In proportioning the different ingredients experimented with as here stated, regard was had not to exceed in prime cost the expense of the saltpetre applied to the acre.

The apparatus used for distributing the ammoniacal water having become disordered before the dressing was completed, several spaces were left untouched with the liquid, which instantly became appa rent from the lighter green tinge that the sward had acquired, where the allotted quantity had been given. To rectify this appearance, two labourers were sent the following morning with watering pans and about five gallons of the undituted liquid to make good the deficiencies, but instead of adding thereto five times the quantity of water, they only gave four, and by mid day the spaces watered with this strength of liquid had all become brown and scorched as with fire.

The acre of ground dressed with the nitrate of soda was the first that shewed its stimulating powers, by the dark green sward which it had acquired in eight days.

The ainmoniacal water was the next, and was equally vigorous in twelve days, and soon surpassed all the other dressings for the season, the scorched parts gradually narrowing with borders of luxuriant herbage. The sward, dressed with rape dust, was the latest that exhibited any benefit from its application, but improved greatly as the season advanced; and from the extra quantity that had been dropped around the hag at the time of sowing it, gave evidence that the proper quantity had not been applied, to show fully its fertilizing effects, as the produce on this spot was not surpassed by any of the other dressings.

Although the remainder of the field was not in good condition to yield a crop of hay, it was thought expedient, for the sake of testing the experiment, to take hay from the whole field, and afterwards top-dress the hay-stubble on that part of the field which had not been operated upon; and on the 26th of July the crop was cut across both the dressed and undressed parts of the field. duce in grass from 31 square ye ds, carefully measured on a crossing line and weighed, was fron ne acres dressed with nitre, nitrate of soda, and rape-dust, nearly the same, averaging from 981 to The space dressed with nitrate of soda and salt 82 fb., and the undressed 55 lb; whilst the produce from the dressing with ammoniacal water weighed 126 fb. The produce in hay made from the different parcels of grass, carefully kept separate and weighed on the 2d of August, in good condition, was similar in proportion. After the dressing with nitre, nitrate of soda, and rape dust, giving 31, 32, and 30 lb, being on the average one pound weight of hay from the square yard; that after the mixture of soda and salt somewhat less, and that from the undressed land | - Correspondent of Albany Cultivator.

Scotch acre. The apparent anomaly of the grass watered with ammonia having lost less weight in being converted into hay than the others did, can only be accounted for by the singular effect the the ammoniacal water had in stimulating the growth of Timoths. grass (Pilleum pratense; beyond that of any of the other dressing, and it is a peculiarity of this grass to part with fewer of its inheren juices in drying than the greater number of cultivated grasses da from being furnished with additional joints or valves on the flown.

weighed 46 lb, or a pound and a half per square yard, equal to

326 stones of hay per imperial, or 410 stones of 22 lb each per

stems. Is not this observation of the effects of ammonia on the coots of Timothy grass somewhat corroborative of M Liebigi assertion, that "certain substances are found to exercise a pecular influence on the development of particular families. (Vide And Culture | Nor is this the only instance that came under my so tice, when examining the effects of the different dressings, parties. larly in the case where the mixture of salt and nitrate of soda va applied, an excess of hard fescue (Festuca duriuscula) became predominant, perfecting more seeds, and raising the flower-stems to greater height.

After removing the hay crop, the remainder of the field was be gun to be top-dressed on the 12th of August with the following substances, and for a farther trial of the effects of gas-ammonian after-grass, I had a present of 110 gallons from the Managera Perth Gas Works, which I reduced with the same quantity of coamore water as before stated, and applied to another or lifth acre, a sixth acre was dressed with 12 bolls lime shells, slackened with becarth, at 34, per boll, .....£1 16 A seventh, with 12 bushels bone-dust (slightly fermented), at 3s. ..... 1

The ninth, with 15 cwt. animalized carbon, at 24. 8d.... 2 And the tenth acre, with 30 bushels bone-refuse or aweepings, at la...... 1 In this second experiment with other substances the ammonial

The eighth acre, with cocoa-nut dust, 6 cwt., at 6s..... 1

water showed a decided superiority, being not only the first to a hibit its stimulating effects, but in keeping up a continuous growt whilst the season permitted, nor did any of the other dresing previously given in the month of April show an equal luxurize

in the growth of after-grass.

The agre dressed with cocoa-dust was the next that shewed a fertilizing influence, and the two acres with animalized carbon as the refuse of bones the latest. But as this last screes of experiment was followed with a long succession of very rainy weather, while greatly impeded the looked for effect of the different dressings would only be waste of time to particularize other appearance farther than to say, that where the ground was perfectly dry, the all seemed to be beneficial, whilst in places saturated with muiste there has been no improvement, and this is a consequence the may, in all cases, be expected as to the effect of manutes, where is land has not a complete drainage.

I am aware that some agriculturists and florists in this neighbor hood have suffered loss in the application of ammoniacal water different purposes, not knowing the proper strength at which might be profitably used. It is produced at three differs strengths in the manufacturing of gas, which could be tested instruments, but, for the purpose of top-dressing grass lands very safe criterion can be had, by reducing the strength of a smil quantity of the liquid by equal portions of water, until its effect, trial on grass-sward, does not discolour the narrower leaves grasses, farther than a tinge of lighter green, although it show blacken the broader leaves of ranunculuses, daisies, and others.

CABBAGE WORMS .- A writer in the Southern Cultivator ap "he had a square of very fine cabbages in his garden, upon whi the worms had commenced making great ravages. was gathered and scattered over the cabbage heads plentifully, the work of destruction ceased." The writer did not know ub ther the discovery was a new one, but it seems to have been a me easy and effectual one, and well worth a trial .- Albany Cultivate

Cure for Bluony Munrais.—Having cured several cattle Bloody Murrain by the following recipe, I send it to you for pub-cation in the Cultivator. Take one pint of fat, melt it -sdd on cation in the Cultivator. gill soirits of turpentine-then put in half a pound of sulphur, it till it is thin-put in a junk bottle, and pour it down the anim From the Central New York Farmer.

#### CULTIVATION OF CORN.

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il the the most approved method of cultivation with which we are ac- never affects the growing crop of wheat. quainted, and if any of our readers have doubts as to which is the Every coal burner is aware that a vigorous and healthy vegetaes da on the iebig'i Irties. la vu e pre nd hos well, taking care to leave the hills free from grass and sales made by this dressing was slightly raked in, and then the creds. The corn should now be thinned to four stalks in a hill if seeds sown. In this way, his crop never failed.

Sometimes three feet spart each way, and less if planted much thicker.

Mr. Hepburn remarks that he shall not attempt to explain the 15 to 1 owing iget d f comcre. il h bos. 16 0 15 1 0 1 znizzi to es-!row! rian too erticle a single day. Instead of breaking the roots of the seeds, the whole surface best ties, as its effect on partially spoiled meat is termed.

red a ment be rows is stirred, and if used twice in a row it is seldont! As chargoal is almost indestructible, and its effects as a manure in about a weed escapes. There is little dange of using the cultivator? romain as long as it exists in the soil, it is possible that chargoal indestructible, and its effects as a manure romain as long as it exists in the soil, it is possible that chargoal indestructible, and its effects as a manure romain as long as it exists in the soil, it is possible that chargoal indestructible, and its effects as a manure romain as long as it exists in the soil, it is possible that chargoal indestructible, and its effects as a manure romain as long as it exists in the soil, it is possible that chargoal indestructible, and its effects as a manure romain as long as it exists in the soil, it is possible that chargoal indestructible, and its effects as a manure romain as long as it exists in the soil, it is possible that chargoal indestructible, and its effects as a manure romain as long as it exists in the soil, it is possible that chargoal indestructible, and its effects as a manure romain as long as it exists in the soil, it is possible that chargoal indestructible, and its effects as a manure romain as long as it exists in the soil, it is possible that chargoal indestructible, and its effects as a manure romain as long as it exists in the soil, it is possible that chargoal indestructible, and its effects as a manure romain as long as it exists in the soil, it is possible that chargoal indestructible, and its effects as well as most efficient manures. ,, ibg ere ber matter.

#### CHARCOAL AS A MANURE.

hich. ffere inds, reeing as they do with what every one must have witnessed to a s smi rater or a less degree, should secure for charconl as a manure, a ect, b inter degree of consideration than it has yet received. As it is : ses c obable some of our readers may not meet with the "Transacshow on," we shall commonse some of his statements for the benefit of

"During the last autumn business called me into Harford Co. Juyland. While there, Iwas surprised at the exceedingly luxuwhy at growth of a crop of grain, but lately seeded into a field on er creek, and also at the peculiar appearance of the soil. The y, 12 upon which the grair was growing, had a remarkably dark pearance, and appeared to be so mellow and friable as nearly to by the foot at every sto.

I inquired if the field hat been covered win charcoal, and was told that it had been. I inquired if the field ittle i inquired when it was one, and was told that it had been spread on it more than twens years ago! I then asked what was the teral quality of the cops thised upon it, and was told they were ur, carriably fine, both s to quantity and quality." Mr. Hepburn es among other excriments, one made by a gentleman in the business. "He ad a large quantity of coal that had become

too fine to be used in his furnace, and not knowing what to do with it, concluded as the easiest way to dispose of it, to hand it out, and spread it on his grass land. He spread it late in the fall, and for The Corn crop is, perhaps, second in importance to no other many years, be informed me be observed the most astonishing nied in the United States. In Central New-York, the crop of officer produced upon his yield of grass. The quantity was nearly ladian corn is more important than any other of the gram crops, | doubted, and the good effect continued as long as he owned the and any improvement in its cultivation, must of course be of great | property, which was at least ten years." Mr. Hepburn also stated alve to the farmer. We shall endeavour to give a brief view of the important fact, that " wherever charcoal has been applied, rust

set method, we only ask of them to give both a fair trial, and comset method, we only ask of them to give both a fair trial, and comset method, we only ask of them to give both a fair trial, and comset method, we only ask of them to give both a fair trial, and comset method, we only ask of them to give both a fair trial, and comset method, we only ask of them to give both a fair trial, and comset method, we only ask of them to give both a fair trial, and comset method, we only ask of them to give both a fair trial, and comset method, we only ask of them to give both a fair trial, and comset method, we only ask of them to give both a fair trial, and comset method, we only ask of them to give both a fair trial, and comset method, we only ask of them to give both a fair trial, and comset method, we only ask of them to give both a fair trial, and comset method, we only ask of them to give both a fair trial, and comset method, we only ask of them to give both a fair trial, and comset method, we only ask of them to give both a fair trial, and comset method, we only ask of them to give both a fair trial, and comset method, we only ask of them to give both a fair trial, and comset method, we only ask of them to give both a fair trial, and comset method, we only ask of them to give both a fair trial, and comset method, we only ask of them to give both a fair trial, and comset method, we only ask of them to give both a fair trial, and comset method, we only ask of them to give both a fair trial, and comset method, we only ask of them to give both a fair trial, and comset method, we only ask of them to give both a fair trial, and comset method, we only ask of them to give both a fair trial, and comset method, we only ask of them to give both a fair trial, and comset method, we only ask of them to give both a fair trial, and comset method, we only ask of the fair trial, and comset method trial t iebic point place, we suppose the ground to have been well performed. If the conion had, and his uniform success justified the use to which he driff corn shall have been fortunate enough to escape the grub and wire cappropriated those places. In another instance a farmer who was ny so worm, (which, by the way we consider very doubtful, although at remarkable for his gardening operations, told us that his practice be time of writing, May 26th, much of the corn is not above was to make his garden beds for his onions, carrots, &c., and then round, the next operation will be to give it a dressing with the I spread over them a layer of straw some ten or twelve inches in shirator, if both ways or twice each way, so much the better: I thickness, which was burnt on the ground. The charcoal and

and be sure to leave the best stalks. We think many farmers leave | chemical action or affinities which impart such value to charcoal. we many stalks on the ground, thereby preventing the ears from | We think the following quotation from Liebig, will exhibit one thining that size which they otherwise would attain. If we do great cause of its efficiency. In speaking of the power of various of greatly mistake, the crop of Mr. Barber, of Lee, whose corn-substances to absorb ammonis from the atmosphere, he says:—

dd was the admiration of all who saw it in the early part of last in Powdered charcoal surpasses all other substances in the power eson, suffered considerably from this cause. Much, however, which it possesses of condensing ammonia within its pores, particupeods on the condition of the land—that which is rich requiring larly relief is has been previously heated to redness. Charcoal porestalks than poor soils. After the first hoeing the cultivator absorbs 00 times its volume of ammoniacal gas, which may again fould be passed through as often as can be done consistently with the separated by simply moistening it with water." The experibe other labors of the farm, and should be continued until the corn i ments of Lucas given in the appendix to Liebeg, are also most too large to allow a horse to pass through it. The second hoeing settibing proofs of the value of charcoal to vegetation, and the manboild be taken not to make much hill. This differs from the large of the show that plants thrive in powdered boild be taken not to make much hill. This differs from the large of and may be brought to blossom and bear fruit, if exposed bethod formerly practiced in using the cultivator, instead of the to the influence of the rain and the atmosphere; a result almost lough, and in leaving the surface level instead of hilling up as 1 impose the to obtain in any other simple substance, and which can be merly. Of the superiority of the cultivator over the plough for 1 only be owing to the facility with which powdered charcoal absorbs esting silitating the corn crop, any farmer wal be convinced by using a land gives out the gases, whether carbonic or ammoniacal. It is to time good erticle a single day. Instead of breaking the costs of the corn; this facility of absorption that chargest owes its succeeding proper-

in the befrequently where many acres are cultivated. We should be I may be found one of the cheapest as well as most efficient manures which hid to give our field a dressing both ways at least every week. I for some crops, and on some soils. It appears evident from the ingree beadvantages of good cultivation are not confined to the corn manner of its action, that plants requiring the greatest supply of op. The succeeding crop of small grain will receive nearly an introgen would be the most benefitted by its application, and hence al benefit, besides the additional chance of succeeding well with tits efficacy when given to wheat. It could produce little effect on our seed. We shall take occasion to inflict upon the reader some textremely wet soils, as alternations of dryness, to allow the contact marks in relation to harvesting corn when the proper season ar- 1 and condensation of the gasses, and of moisture to render such abth. Until then our columns may be more probably filled with sorption available, are necessary to give effect to charcoal. Charcoal has a physical, as well as a chemical effect on soils, decidedly useful. It renders them as far as it is present, light and friable; and gives additional warmth to them by its color, which absorbs and retains We wish to call attention to a paper under this title in the tran- that those preparations of night soil, in which powdered charcoal readily the rays of the sun during the day. It is not surprising thions of the New York State Agricultural Society, furnished by constitutes a large portion, should be found more effective and H Hepburn, Esq. of Lycoming, Pa. The facts there stated, I durable, than those in which its place is occupied by peat or even common mold. - Albany Cultivator.

AGRICULTURAL INSTRUCTION IN PRIMARY SCHOOLS.

The Agriculture of Bavaria is said to have improved more rapidly, in the last half century, than that of any other country, Scotland, perhaps, excepted. Before the French revolution it was behind that of the other German States. The lands then mostly belonged to the religious establishments. The cultivators merely lived; they did not thrive. When these lands were sold they were made into small parcels and almost every man became the proprietor of the portion he cultivated, upon a long credit. The great impulse to improvement was given to the young generation in the primary schools. In these were taught both by books and examples, Agriculture and Gardening For this purpose, catechisms of gardening, of agriculture, of domestic economy, of forest culture, of orchard culture. &c. in small 12mo. volumes, with wood-cuts were introduced as class books for boys, and the like on the management of silk-worms, household economy and cookery for the girls; and there was attached to every district school at least half an acre of land for experimental gardening where the scholars received recreation and instruction, in the hours of exemption from study, from the master, in the practice of gardening. And it was made an in dispensible qualification in teachers to be able to give this instruction. "Since these schools have come into action," says a late traveller, "an entirely new generation of cultivators has arisen, and the consequence is, that agriculture in Bavaria is carried to a higher degree of perfection than it is any where else in the central States of Germany. The results of the whole of the information procured. and of the observations made, is, that we think the inhabitants of Bavaria promise soon to be, if they are not already, the happiest Morgan, Jr. " was sired by a horse owned by Sealy Norton of Em people in Germany.'

The salutary influence of agricultural and horticultural instruction in common schools has not been confined in Bavaria to the improvement of the soil. As consequences which naturally follow the improvement of agriculture, the roads, bridges, and other public works have undergone a corresponding improvement; individual comforts have greatly multiplied, business of every kind has been improved, and human intellect, reanimated, as it were by the magic pen of a Hazzi, has burst its cerements and became an efficient aid in the noble work of improvement. The public roads are all lined with ernamental fruit-bearing or forest trees-and furnished with guide-boards, mile-stones, and seats, at intervals, of stones or sods for the weary traveller. This novel sort of education and the blessings which have flowed from it and the still greater blessings which appear in prospect, have resulted from the wise provisions of given by Mr. G. Barnard, answers well to the description of it the Government, aided, and efficiently aided, by the active and stock of True Britton. His stock was all bright bars, some patriotic philanthropy of M. Hazzi, the Editor of an agricultural clining to sorrel. I have always understood that Morgan kept is journal at Munich, and author of the school catechisms of which colt for a stud at Randolph, and was very celebrated for his stock we have spoken .- Cultivator.

From the Transactions of the Society for promoting Agriculture in the State of Connecticut.

#### OF FRUIT TREES.

Mr. Blakesley, of Plymouth .- My method of making a nursery is to separate my apple-seeds from the pumice in the fall of the year, let the seeds freeze one night in the latter part of winter, plant them in my garden in the spring, and after they have grown five or six inches high, or even when they are only leaved, I transplant them, and find they grow much better than when raised in the usual way. I have put corn cobs round my apple trees, at the distance of about a foot from the body of the tree, and have found them serviceable to the tree. My son has an orchard, on which he has put stones around his trees, at a small distance from the trunk, and thinks them beneficial to his orchard. I have never, however, found any thing so good for my apple trees as top-tow, laid on the land near the trees.

A neighbor of mine, an observing farmer, informed me some years since, that in the younger part of his life, he had liked to have ruined his orchard, by raising crops of red clover on the land, but that when his orchard was decaying he conjectured the cause, and left off raising the clover in his orchard, when it soon recovered. I never durst venture it myself. Many orchards in the country appear to me to be injured by this cause.

Mr. Ives, of Cheshire .- I have found the large red clover very prejudicial to my orchard. I used formerly to raise crops of clover upon my orchard, and mow them. But I found my orchard decaying, and immediately began to feed it, and it recovered. I have since had clover upon my orchard, but have been careful, by feeding it, to keep it from having any bloom, and it does not injure it, as it manifestly did when suffered to come to such maturity as to be

fit for mowing.

I have seen like effects produced in the orchards of my neighbors from the same cause. They are convinced of the fact as well as myself, and they avoid the mischief.

Arn! Punn Arn .-- The Wesleyan Methodist Magazine contains a copy of a Memorial of the Trustees of one of the chapels in the connexion, praying for the admission of pure air into the building. Our ancestors," say the petitioners, "knew that they possessed stomachs, but it may be fairly doubted whether some of them were aware that every human being has a pair of lungs. Hence many places of worship, particularly country ones, are little else than large boxes; happily not quite air tight, for tragic events would then be common; but with nothing of design to supply the vital fluid."

THE MORGAN HORSE AGAIN .- After our last paper went to press, containing the statement of Justin Morgan, Esq. of Stock bridge, Vt., that his father brought the original Morgan horse from Springfield, Mass., we received a communication from Mr. John Morgan of Lima, in this state, confirming the statement of Justin Morgan, that the sire of the celebrated Morgan horses of Vermont came from Massachusetta instead of from Canada, as has heretofor Mr. John Morgan informs us that he resided is been supposed. Springfield, Mass., near Mr. Justin Morgan, senior, previous u his removal to Vermont, and that the two years old stud which is took with him to Vermont, as stated in our last paper, by Mr J. Hartford, Conn., called the 'True Britton, or Beautiful Bar, the was kept at Springfield one season, by the said Justin Morga. and two years after I kept him two seasons. This horse was said to be raised by Gen. Delaney, commander of the refugee troom a Long Island, and rode by him in the revolution. It was said the one Smith stole the horse from the General at King's Bridge while the General was in the tavern: ran him across the bridge and took him to the American army, near White Plains, and sol him to Joseph Ward, of Hartford, Conn., for \$300. It was also said at that time, that he was sired by the noted imported how called the 'Traveller,' said to be kept in New Jersey. Ward w a merchant, and kept the horse three or four years for a saddle as carriage horse, and traded him off to Norton, and Norton kept his for mares while he lived. The description of the Morgan bred -Albany Cultivator.

In the Report of the Royal Veterinary School at Alfort, them gular fact is stated, that the beech mast, (fague castanca,) or si is called in this country, beech nuts, and which in many districts our country, form no inconsiderable item in the means of fattens pork and keeping store hogs, is a violent poison when fed to how Bad effects having ensued from feeding the cake, remaining sh the pressure of the oil from the nuts, to horses, M. Lefort of Chr. plette, sent to Alfort some of the oil cake made from the nuts, a some of the nuts themselves, for experiment, The horses evine much disinclination to the feed, but the director forced on some them a portion of the oil, and on others some of the cake in which it had been expressed. They all died within twelve he after the administration of both. This furnishes another cure instance of articles of food, perfectly innocent to one animal, and fatal to another. Beech man is the favorite food of the comm pigeon, (Columba migratoria.) and multitudes of pigs have be wholly wintered, the last winter on this fruit .- Ibid.

PROTECTION OF CORN AGAINST ROWS .- Mr. O. M. Whipp of Losell, Mass., says, in his statement to the Agricultural Comissioner of Massachusetts, that for 15 years he has preserved corn from the depredations of crows, sy sowing on his field a qu of corn soaked in a strong solution of saltpetre. We can belie this, as no crow which might have eiten half a dozen grains of co well saturated with saltpetre, would live long enough to beque his estate to his interesting progery, though a scrivener were hand, at the time of his making hismeal, to draw his will. petre, judiciously used, possesses melical virtues, but when tal in excess, is destructive of life, and have the protection it affords seed corn soaked in a solution of it, against worms as well as crow

The best scare-crows we have ever used, were bright sheets of suspended from poles, by wires; the joles of sufficient height, in sufficient numbers to be seen all ove the field. - Four or six, judiciously placed, will effectually answer for a field of fifty act Our mode of fixing them was this; to cut a pole of suffici height, trimmed off all the limbs but th upper one; to the end this limb, we attached, by a strong flexite wire, a sliget of tin, planted the pole thus provided firmly in he ground on the destin The limb left at the top, shoul project horizonfally enough to allow full play to the tin. The attached, the sligh breeze gives motion to the tin, and consequently causes a reflect so sudden as to effectually frighten off the rows, or other birds dicted to picking up the corn. Three year successful use of n scare-crows, justify us in recommending tem to our brethren American Farmer.

eforming the first ploughing and hoeing; the cold first and then we weather contribute to this.

It is of no use to plough or hoe when the ground is muddy; but is certain that stirring the surface when it is rather wet liastens ermost be process of drying—and that stirring the earth when it is very retoloned renoteibutes to render it more moist.

rious le their protecte their growth by merely billing up or burying the high the deeper than nature has taught them to run; but it is often Mr. I have easy to kill the weeds in the hill by burying them than by Mr I have easy to kill the weeds in the hill by burying them than by of Emailing them up; and most of the weeds buried are converted at il Bar, beeto manure, as any one may see if he will uncover a moss of dogan weds after they have been buried two or three days.

CAS SIN cas says On the Use of the Caltivator.—This instrument is quite handy in said that says the surface of the earth when green sward is tilled, since it Bridge senot tear up the furrow as a plough will. But on old ground, a bridge stoot sward, the Horse-plough is a much better instrument than

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p bridge dost sward, the Horse-plough is a much better instrument than and sold a Cultivator, since it renders the soil lighter and tears up the was also reds more effectually and buries more than that or any species of identified horse.

and we Many farmers fancy it very injudicious to cut or break any of lidle as a roots of corn or potatoes. They therefore run the plough or ept his charrow hildway between the rows and leave the hoes to perform in browns than half the labor. Such farmers are governed more by no fit may then by experience; for any one who will make the trial come is lies in that stirring the earth deep close to the young plant and kept the sing off millions of its little roots will not check its growth. It stock this sit years that shoot out almost immediately after they we been cut off by the plough or hoe.

we been out off by the plough or hoe. If a plough is used therefore, it should run close as possible to for m roung corn and potatoes, on the first tilling, and turn a furrow for size joung corn and potatoes, on the first tilling, and turn a furrow stricts of the plant. At the second ploughing this may be turned back attended to so as to leave the surface nearly level—not even: for we would be bounded to home the tild surface rather rough than even.—The following rain willing she apartially move the earth in the absence of the plough and hoc. I Chief Massachusetts Ploughman.

ceims for Horse-Rark.—A very large proportion of farms within some symiles of Boston have acres of mowing land on which a horse-ce for a would operate to advantage and save much labor. Found we have not you enterprise enough to give such a tool a trial? curve have used one of these for many a day and can assure you it, and I wise but little time to learn how to handle them well.

common we have procured a number to be made in the most simple form are being well sell them at the factory cost, adding only the charge winging them into this city.

beprice will not be far above four dollars each, and this is much White than any one can be made for singly, in any part of the country. with a little practice any lad of eighteen will rake an acre in a at the mass incomparation and the will gain enough in a single day to pay for his

la qualità berakes may be seen at the warehouse of Ruggles, Nourse & on, in Quincy Hall. They are for sale also at the residence

editor of this paper, at Framingham.—Ibid.

TR POTATOR OAT - Editors of Cultivator - In your paper of month, is a letter of Mr. G. B. Smith, cautioning the public set the use of the Potatoe Oat, as having had an injurious cfmany horses. My experience being directly the reverse, I ets of salled upon to entreat those who have used this variety of oats, ght, it those who might be about to try them, to revise their judgment, or six, to ascertain whether some other cause than the oats may not ufficient contributed to the ill condition of the horses fed on them. I be read that raise many dats, but I have had the potatoe oat in preference ever I could get them. In 1839, I had about four hundred tin, desting the state of the state ty account intended to the ill condition of the horses fed on them. iffer ment in a bushel of the potator oat than in a bushel of the ind son kinds, the weight, 42 and 45 pounds per bushel, would I have no doubt that Mr. Smith has stated cornely what wommunicated to him. It is the fear that the influence of his

hown name may deter some of my brother farmers from avail-

- 22: -Tilling Const And Puratoes. - Fairners are late this year in ing themselves of what I consider a valuable addition to our means of feeding, that induces me to state publicly my experience. Jour Maxon.

Charlotte, Monroe Co., N. Y. April 18, 1842.

Kicking Cows .- A writer in the Farmer's Cabinet, says :-"I have found a cure for this kicking disorder, in its most desperate state. It is merely to place the patient in a stall with a hearn over her head, and fixing a running non-e over her horns, throw the end of the rope over the beam and pull away, so as to raise her head pretty light in the air, but not so as to lift her legs from the ground: in this position she will not only be disabled from kicking. but will give down her milk without the least hesitation.

Hoof-ail and Sore Teats .- Cown are also liable to the hoof-ail. as well as sore tents, both of which are easily cured by the Application of white paint laid on with a small brush : the body of the paint acting mechanically in preventing the action of the air on the sores, and the lead operating chemically or medicinally in drying and healing them. Care must however he taken not to apply the lead to the teats while they are suckling calves; and afterwards caution must be used at the time of milking, but no danger need be apprehended in the hands of careful persons. In inveterate hoof-ail it might first be necessary, either to cauterize the sore, or dress with blue stone, after which, and in all slight sifections, whitelead dressing-in other words, painting the sores will be found sufficient to effect a cure."

The above prescription may be valuable-but we have had no experience to warrant our commending it .- New Haven Gazette.

CURE FOR THE HOOF-AIL.-While reading a cure for the Hoof-Ail, in the Cultivator, vol. VIII. p. 16, I was reminded of my own experience in attempting to cure that disease.

In May, 1825, I had a cow violently attacked with the hoof-ail, or foul hoof, as it is frequently called; and being but little experienced in the management of cattle, or the means of curing the diseases to which they are subject. I applied to my neighbors who I thought best informed on such subjects, for the necessary information. They directed me to draw a hair rope through the cleft of the foot, until it became raw and lacerated. I followed their direction, but found little or no benefit resulting from the operation. The animal still grew worse, hobbled about on three legs, declined in flesh, and was almost worthless for milk, the remainder of the season. A year or two ofter, I had another cow attacked by the same disease; and thinking it somewhat similar in its nature to a folon, I became convinced of the propriety of opening it. Therefore when the cow lay down, (which she frequently did.) with a sharp knife, I made an incision lengthwise through the skin on the bottom of the foot, where it was most swelled and inflamed. It bled pretty freely, and in a day or two after, I perceived matter making its way out from the cut, and in a few days the animal was Since that time, I have had a number of cows attacked by the same disease, and (when bad,) I have always applied the same remedy with the same success .- Correspondent of Alby. Cultivator.

Vraniv ov Surer - Sheep are infested with several kinds of vermin, and common tick, maggot, &c. Young and lean sheep are most exposed to such complaints.

Those flocks are not troubled with ticks, where the lambs are regularly immersed in a decoction of tobacco, say from four to five pounds to the hundred, about ten days after the sheep are shorn. Several pinches of Scotch shuff deposited in the wool, in and about the neck and sides, is a good remedy in cold weather.

Maggate originate from fly-blows upon the wounds; those are avoided by dressing with tar, and destroyed by an application of honey, when spirits of turpentine would prove ineffectual.

To cure colds and running at the nose, a dose of tar is sufficient, in the months of June or July. If applied at and above the nose, it will prevent the grub in the head, and invigorate the health.-Western Farmer.

To protect Lames against Foxes -We happened to be in a hardware store the other day, when a farmer came in and inquired for Sheep Bells. He stated that the only way in which he could protect his Lambs against the depredations of the Foxes, was by putting hells on a few of the sheep in his flock; when this was done, the lambs were safe. We thought the hint worth remembering, and have put it down here for the benefit of our readers .- Farmer's

SALT, TO RILL WORMS AND GALBE - We have more than once called the attention of our readers to the use of salt for the destruction of worms in fields and gardons. A writer in the Genrace tion of worms in fields and gardens. A writer in the Genesce, To be Sold at Public Auction, by order of the Central Bornis L'aimer states that he has saved his corn for many years past by Agriculture, in the corner field opposite the Hon. Jas. MeNey putting a little salt on each hill, at the rate of one bushed to the on the street leading to Fresh Water Bridge, at 11 o'clock, a corner that on a next of his field may replace that one past of his field may replace the control of his field may replace the control of his field may replace that one past of his field may replace that one past of his field may replace the control of his field may replace that one past of his field may replace the control of his field may replace the acre, that on a part of his field not salted, the worms totally deatroyed his corn. We have never applied salt in this way, but we feel confident it would have a fine effect on land full of worms. The writer says that by salting the hill the worms are driven from it and feed upon the weeds and grass between the rows; they thus become useful laborers instead of arrant robbers of the choice products of the field. We hope many trials will be made of the virtues of salt. We can say nothing from our own experience, and can only give a hint to those farmers who are yearly complaining of worms and grubs. - Massachusetts Planghman

#### From the Boston Cultivator.

#### EARTH WITHOUT HOPE.

BY AUGUSTUS GILL.

Earth without hope, to Man would be, A dismal waste, a trackless Moor, A cloudy sky, a shoreless sea, A gloomy scene where tempests roar.

Earth without hope, a dreadful state, For suff'ring feeble Man to be; He's urged along to meet his fate, And enters vast eternity.

> Earth without hope, how dread and drear ! The sullen tomb, contains his friends, The grave, engulfs what he hold dear, He weeps and o'er their ashes bends.

But there is hope, Bethlehem's star Shone forth with mild and fearless light, When that blest anthem fill'd the ear, On that eventful happy night.

> O how it peal'd from Angels tongues, It cheer'd and gladden'd all around; He comes he comes the Saviour comes A spirit stirring rapturous sound.

Where the christian sleeps it speaks of hope, 'Tis letter'd in the grassy mound: It is a consecrated spot 'Tis hope inspiring hallow'd ground.

It is a place of sweet repose, The sufferer there from pain's releas'd; Ha's ended now his bitter woes, And Earth's carroding cares have ceased.

The valley's clods do sweetly press The peaceful sleepers quiet breast; The wicked here from troubling cease The weary pilgrims now at rest.

> In gentle drops distils the dew Upon this mansion of the dead, How peacefully descends the snow To robe in white his lowly bed.

The Sun at morn sends forth a ray To cheer and glad it and illume; And lingers still at perting day, Upon this quiet lowly tomb.

> The eyeless o'er him whispers rest; The marble as it points to heaven Seems to say he is now blest, He is not here, he is risen.

Canton, Mass., July 20, 1842.

#### AGRICULTURAL STOCK FOR SALE.

Frulay, the fifth day of August next, THE CANADIAN STALLION "MONTREAL

Imported by the Board in 1841 This beautiful animal is also 143 hands high, six years old, of a dark brown colour, and so with the expenses of importation about £00. He may at press be seen on application to Samuel Chipman, Esq., Cornwallis. ALSO

2 superior South Down RAMS, 20 Rams and 5 Em of the mack-faced Highland and Cheviot breeds, recently Impain from Greenock-with 25 floocus of Wool shorn from the man

Atso-1 CHINESE BOAR, a very superior animal.

The Horse and Sheep will be exhibited in the above field at time of sale. Farmers desirous of improving their ficeks are vised to avail themselves of so good an opportunity of proceed superior description of animals. Terms, cash. Halifax, July 16, 1842.

oabding obpiniting, wbay ing, Fulling, Milling, Dycing, Dressing, &c. &c.

At Fort Sackvillo Woollon Mill,-Near Halls

### Barr Charces

OVA SCOTIA WOOL manufactured into Broad and K row Cloths, Pilot Cloths, Tweeds, Blankets, Flannels, &c., and warranted to wear twice as long as any imported Good the same quality !

GEORGE EASTWOOD begs to inform the Farmers of the Scotia and of the Provinces generally, that his new West Mill will be ready to go into operation early in July, and that will there receive Wool, and manufacture it into

Broad Cloths, any colour, at 6s. 3d. per yard, or at 3s. 13d. Narrow. at 5s. 6d. Pilot Cloths, common colours, dark Indigo Blue, at 6s. 6d. ••• Tweeds, any colour, at 2s. 0d. Blankets, from four to ten quarters wide, and from 4 to 12 at 1s. 6d. per lb. quarters long, Flannel. at Os. 9d. per yard, Do., coloured, at 1s. 0d.

1 pound of clean Lamb's Wool will make 2\frac{1}{2} yards of good Flannel. Wool may be sent in the fleece: it will be sorted, \$\text{p}\$ ed, and greased, without charge.

Payment may be made in Money or Wool, at the option of owner.

For the accommodation of the Shore Farmers, Wool may left in care of Mr. Joseph Crouch, at his Auction Mart, L Water Street, Halifax, who will forward it to be worked un deliver the Goods when finished. Fort Sackville, June 15, 1842. 3m.

"THE COLONIAL FARMER," TITUS SMITH, EDITOR; R. NUGENT, PROPRIETOR,

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