Carleton Sentinel. AND

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RAMIES JOURNAL.

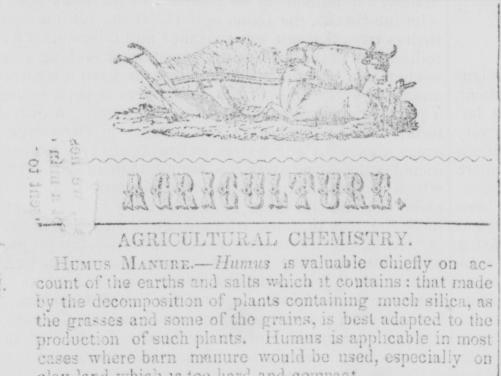
Devoted to Agriculture, Literature, and General Intelligence.--- Neutral in Politics.

"Truth, Justice, Freedom, here shall find a home."

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ed, it is best to stir clay soils as deep as possible by means the earth between the rows, but also between the differof sub-soil ploughs, but they should not be pulverized so ent patches of the growing corn, by which the coronal that the water cannot run down between the lumps and roots are strengthened, and the tillering of the stems so clods, and especially the surface should be left in such a much encouraged, that it is not uncommon to see twenty, state of roughness that heavy rains cannot cover it with a thirty, or more strong stems, all bearing fine ears, arising coat of mud. 'The clods which are left on the surface from one tuft of plants, the produce of one or more seeds, imbibe the moisture more gradually, and, in drying, fall whose roots are matted together and send out fibres in to pieces, by which the young plants are invigorated, and, as it were moulded up. This is particularly the case in prevent their growth, provided the fibres can spread around winter after a frost, as all clay land farmers are well aware. in a rich, mellow soil, well pulverized, and admitting the It is very easily ascertained whether a soil will bare much air and moisture readily. tillage or not. It is only necessary to try some of it in a

large pot or box; make the surface very fine by breaking attention, and in many situations where the farms are count of the earths and salts which it contains : that made the clods, then water it abundantly, and let it dry in the by the decomposition of plants containing much silica, as sun; if a crust is formed in drying, that soil will not bear can they always be depended upon to perform the work the grasses and some of the grains, is best adapted to the too much harrowing or pulverizing, and should be left in with sufficient care, mechanical ingenuity has been taxed production of such plants. Humus is applicable in most a moderately rough state, after sowing or drilling the to invent implements of tillage by which it may be more cases where barn manure would be used, especially on seed; but if, after it dries, the surface is loose and porous, perfectly accomplished, and at a smaller expense, by using then the finer the tillage the better the seed will vegetate. the power of horses instead of that of men, and making Charcoal, or carbon, although a vegetable manure, is The whole depends on the ready admission of air or its implements which will till a considerable breadth at once. not properly included in either of the three classes above exclusions. When grass seeds are sown, the surface and thus save time. named. It is obtained by burning wood and various other should be well pulverized ; but this cannot be safely done plants, and is found in large quantities in the earth under if the soil is apt to run together when much rain falls AND THE PARTY AND THE PARTY AND AND AND AND AND AND THE PARTY AND THE PART the name of fossil, or mineral coal: it is also thrown out soon after the seed is sown. Some plants, like beans, wil among the cinders of forges and founderies. "The ac- force their way through a very hard surface : but small tion of charcoal," says Mr. Lucas, " consists principally seeds are too weak to do so, and their growth is entirely in its preserving the parts of plants with which it is in stopped by the least crust on the surface. Besides the contact, whether they be roots, branches, leaves or pieces preparatory tillage of the soil before sowing the seed, there of leaves, unchanged in their vital power for a long time, is great advantage in the stirring it as the plants are growso that the plant obtains time to develop the organs which ing. On this depends all the merit of the row culture for Roman Catholics in Europe and America who are the fast are necessary for its further support and propagation."- every kind of plant, especially those which have esculent friends of liberty, but while granting this we must affirm Charcoal yields, during its decomposition, a large amount roots or extensive foliage, and which are chiefly cultivated that it is because they rise above their system, and in so of carbon to plants; "it exercises likewise a favorable for the sustenance of cattle. The effect of deep tillage far cast off the yoke which would enslave them. The influence by decomposing and absorbing the matters thrown is here most remarkable. If rows of turnips or cabbages editor of the Freeman's Journal is a neophyte of the Roout by the roots, so as to keep the soil free from the pu- be sown at such a distance that a small plow or other man Catholic Church, receiving its dogmas without retrifving substances which often cause the death of the stirring instrument can be used between them, and the m- serve or questioning, and following them out consistently spongiole." Charcoal is, on all accounts, a cheap and ef- tervals be surred more or less, and at different depths, it in his paper. We wish he had a million intelligent Proficacious manure: the finer it is pulverized before its ap- will be found that the deeper and more frequent the til- testant readers ;- they would have a capital opportunity plication the quicker and more powerful its effects are lage, until the foliage covers the whole interval, or the to see what Popery is, both essentially and in its developbulbs swell to a great size, the heavier and more abundant ments. In that paper liberty has no friend,-despotism its the produce will be. It is worth while to try the experi- most devoted champion, and on grounds of strict Roman-Asnes MANURE .- Ashes from the various kinds of ment; sow Swedish turnips or mangel wortzel in rows ism. In the Journal of June 16th, we find a characteriswood and coal, and from the straw of various plants are three feet apart: let some of the rows be merely kept tic welcome of Russian intervention. The editor looks of great value as a solvent of silica and other earthy parts clear of weeds by surface hoeing, and the plants be thin- on "the grim step of the autocrat," and says, " LET HIM of the soil ; and as a fertilizer itself. According to Liebig, ned out to the distance of a foot apart : let other intervals FORWARD IN THE NAME OF GOD !" " His presence has the ashes of beech wood possess the most value for this be stirred to different depths ; some three inches, some become necessary. There is a portion of the community" purpose. All kinds of ashes owe most of their virtues to six mehes, and some nine inches or more. The result in Europe, "and one of fearful activity, that is incurable. the salts and earths which they furnish to the roots of will be, that the first rows will appear to have been sown Till they are swept off the face of the earth, Europe canplants. Ashes are applicable to all soils which contain much too far from each other, not half the ground being not know peace." Thus he speaks of the struggles and sour humus, or which have been exhausted, by repeated covered with the foliage of the plants: the others will be strugglers for liberty who are upheaving the old opprescrops of cereals, (white straw grains,) of their silicates; covered more and more as the tillage has been deeper, sions which have become intolerable,-"vipers too pestithey are serviceable on grass lands, young grain and po- and the last will completely cover the whole intervals .-- ferous and disgusting to be longer endured in Society." tatoes. The quantity to be applied must of course de- The roots or bulbs will be in exact proportion to the rich- "The proclamations of the Emperor Nicholas," he says, pend upon the condition of the soil : from two to ten bush- ness of the foliage, and the weight of the deeply tilled "is moderate in temper, and just in its principles and els to an acre are often used ; those of full strength are rows will far exceed that of any others, while the first will, conclusions !!" Such is the language of a Catholic print. much more valuable than leached, (lixiviated,) ashes. The by comparison, appear a poor and scanty crop, however in America, true to its politico-religious dogmas. As a potash of the ashes unites with the silica of the soil and clear of weeds the surface may have been kept. The soil small specimen of the reaction in Europe which the Jourbest suited for this experiment is a good, light loam on a nal desires, the reader's attention is called to the following, dry or well-drained subsoil; for stagnant moisture under from a respectable English newspaper .--TILLAGE .- " Applied to arable land, the stirring and any soil will chill the fibres and check the growth of the preparing the surface of the soil, so as to render it fit for plants, however dry the surface may be. It was this the vegetation of seeds; its object, also, is the destruction which led Tull, the father of drill husbandry, to the conclusion that tillage was all that the soil required to main- For some time past Protestant works have been printed "The whole art of cultivation consists in tillage and tain perpetual fertility. He carried his conclusion too at Florence; at last it was determined to print an edition manuring, and the profits of the husbandman depends on far; but we shall not be wide of the truth, if we assert of the Scriptures also in the Italian language. During the perfection of the tillage and the economy of labour in that with proper tillage the soil will be gradually impro- the time of the republic the work was allowed to go on producing the effect. A defect in tillage will cause a ved, and a much smaller quantity of manure occasionally without interruption. When the reaction took place, about great deficiency in the crops in ordinary years. To in- added to recruit the waste produced by vegetation will a month ago, and a Provincial Government was set up in sure good crops, the soil should be in such a state that render the soil much more fertile than it would be with the name of the Grand Duke, an English gentleman, and the rains and dews may readily be diffused through it, much manure and less tillage : and as tillage can be in- one zealous for the cause of Christ, who had taken the without giving it a wet appearance, or evaporating too ra- creased by mechanical contrivances where labourers are chief care of the printing, called upon the Marquis Cappidly. It requires great knowledge and experience to scarce, whereas the supply of manure must generally be poni, one of the heads of that government, informed him give any particular soil the exact portion of tillage which limited, it follows that, as a general rule, the land should of what was going on, and asked whether it met the approis suited to it. A fine garden tilth, as it is called, is the be well and deeply tilled, due attention being paid to the val of the Government : on which the Marquis assured him most perfect for light soils which have been long cultiva- nature of the soil, and its property of retaining or trans- that the Government fully approved of the printing and ted and manured : when they can be brought to such a mitting moisture. Very loose sands should not be much circulating of the Word of God, and wished him all sucstate, that after continued rains the surface dries without stirred until they are consolidated by the admixture of cess in the undertaking, declaring at the same time that forming a crust, and crumbles of its own accord, the til- marl, clay, peat, or well-rotted dung; but in all cases the he spoke in the name of the Government. The work lage has been good; and the deeper this soil is stirred manure should be mixed as intimately as possible with the went forward w thout interruption till last week, when the more it will produce: but where clay abounds in the soil, and as deep as the tillage has gone, not including suddenly a gen d'arme presented himself at the printing spil, which in dry weather can be readily pulverized by the stirring of the subsoil; for the roots will always pene- office and binder's with authority from the commissary of

clays to cohere can be overcome; and until this is effect- crops, from the circumstance that the hoe not only loosens every direction. The crowding of several plants does not

"As a perfect tillage requires much labor and minute large, laborers cannot be procured at moderate wages, nor

clay land which is too hard and compact.

felt upon plants.

forms silicate of potash.

of noxious weeds.

ushing the dry clods, and be reduced to the finest pow- trate thus far, and find the nourishment which they re- police to seize the entire edition. This gentleman's house too much tillage may do more harm than good. The quire. Those plants which throw out roots from the bot- was also searched, and all the Bibles and Testaments printfine clay is soon converted into mud at the surface by the tom of the stein, as wheat, barley, and oats, require the ed in Florence were carried off. He immediately made least rain, because it is not sufficiently porous to let the surface to be most pulverized and enriched to allow these application to the Marquis Capponi, who acknowledged that water through it; it dries into a hard crust, which effectu- roots to spread; a spring tillage is therefore highly ad- all he had formerly said was perfectly true, that the civil ally precludes the access of air, and consequently stops vantageous, which can only be given when the seed has government highly approved of the circulation of the Bible, the vegetation of the seed. It is only by abundant manu- been deposited in rows by drilling, or in patches by dib- but that they could not interfere with the spiritual authoring with organic matter that this natural tendency in bling. This last method is found to give much finer rities .- N. Y. Rec.

(To be Continued.)

PROTESTANT CORNER.

ROMAN CATHOLICS AND LIBERTY.

We are far from denying that there are multitudes of

SEIZURE OF BIBLES AND TESTAMENTS BY THE GOVERN-

MENT OF TUSCANY.