THE AGRICULTURIST

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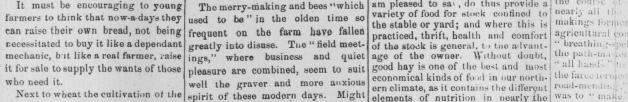
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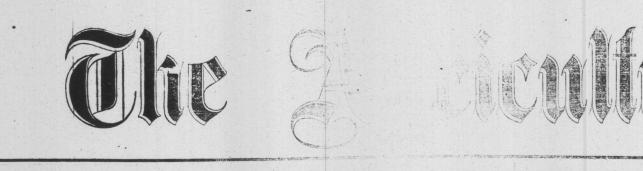
the subscriber, the price will be \$2.00 VOL. 1.

Agriculture.

For the "Agriculturist." A King's County farmer writes us scientific cultivation, but one on Other compounds of nitrogen, no one with what as follows :--

"Farming! what should the farmoderate means, has persistently also be assimilated by plants. mer write about when feeling so dis-carried out with intelligence and Mineral Matter, or Ash.-The minposed, but about farming! If he has industry, his own methods of cultiva- ral ingredients of plants are derived Montreal f not got farming on the brain, he ought tion, and with excellent results. to; and if he does not grow wheat he The visitors and the neighbours take potash, lime, magnesia, iron, phos- taking a te ought to; because he thereby obtains a walk over the fields, and watch the phoric acid, and sulphuric acid, must making shares a special benefit from the soil, which operations that may be going on, and be furnished to all agricultural plants meet, the qui he could not otherwise secure from examine the state of the crops. The through their roots and by the soil, in the frogs growing oats and buckwheat, as host who accompanies them stands order to their growth. If the avail- after the finance of the stands order to their growth. these have only surface feeding roots. ready to answer all questions. His able soil supply of any one of these winter the Farmers who have experimented in note book is at the disposal of those is deficent, the whole crop must marked per growing wheat and oats in alternate who require exact information. Ques- suffer. As regards soda, silica, and land and C ridges of sod, high, dry land, have tions are asked as to the sort and quan- chlorine, the experimental evidence the farmer been rewarded with more bushels per tities of manures, and araificial fertiliz- is not so descive. A small quantity will be brid acre than of oats. There have been ers used per acre, and as to the cost of of chlorine has been proven neces- as it came years of extreme drought, where oats producing an acre of grain, corn, oats, sary for the perfectieon of some routine of yielded almost nothing, and when or barley. On such a farm wheat is plants. Soda is needed in very min- ing after the wheat, on account of its deep rooting likely, but, as yet, an experimental ute quantities, if at all, by crops, together nature, was a good crop. Farmers of crop. Leaving the fields, the com- A little of silica is probably necessary most experience in growing wheat, pany visit the vegetable garden, and to the perfect blossoming and ripenfind that it is more prolific on poorer examine the state of the cabbages, ing of grain. land, deeply tilled, than on richer onions, squashes, beets, potatoes, &c. To sum up in a few words : "Air When its land, shallow tilled; so that it is the Questions and answers pass as to the and water together yield the materi- squirrel's subsoil that wheat roots feed on, and best ways of killing the pests, the als of which fully ninty to ninty-eight foot) it is it is on the surface that grass feeds. Hence the patent advantage of seeding down with wheat. And again : wheat mag outs, and vine borers that destroy down with wheat. And again : wheat mag outs, and vine borers that destroy down with wheat. And again : wheat mag outs, and worms that play the mischief will stand up when oats want to lie with the potatoes and cabbages. From ashes when they are burned, and the them. down on seed. What is wanting the garden the company pass to the one half to two per cent. of nitrogen Formerly work between the agricultural which they also contain."—American to ensure a good yield, is to plough outbuildings where the agricultural Agriculturist. deeply. Give the team two or three implements are kept, where they disquarts of oats more aday, while plough- cuss the merits of the several ploughs, ing in the fall especially, and on hand the Randal harrows, smoothing drags, approaching to clay, which is the best corn and vegetable markers and culwheat soil. After ploughing not less tivators, &c.; and then in the waning Gentleman writes as follows on this It is just the than ten inches, it will pay 100 per afternoon the visitors and outsiders subject :-cent on the cost, if the ground is hold an open air meeting of 'the club' drilled as high up as possible, in order beneath the trees of the old homestead, free to their own choice, will feed on and ridging up that the action of the frest may pul-at which the speakers, with all due to variety of herbage. It is well, put in read that the action of the frest may pul-verize it, and prepare it well for the compliments to their host, remark at becompliments to their host, remark at therefore, for farmers and stock raisers to take hints from the natural taste of favorable reception of the seed, and its growth all they have seen and learned on the different animals of the farm and June. It is in spring. their tour of inspection. It must be encouraging to young The merry-making and bees "which am pleased to sa, do thus provide a the course





WEEKLY JOURNAL DEVOTED TO AGRICULTURE, LITERATURE, AND NEWS.

exclusively from the soil. Of these, portion of

ANDREW LIPSETT, Publisher.

"AGRICULTURE THE TRUE BASIS OF A NATION'S WEALTH.

M. N. B. AUGUST 24, 1878.

of neighbors together, and the PEAT OR MUCK AS A FERTI- PIGS FOR BREEDERS, AND PIGS some particular system of culture, and chief natural sources of the nitrogen. EARM I tor of the machine, the whirring from whom something worth know- of plant-food. Ammonia, which like ut of the straw, and the clouds of ing is sure to be gained. The farm nitric acid, comes from vogetable is not, probably extensive, fifty acres debris and from manures, as well as Magazine at most, nor one under the highest from the air, is also used by plants, New Engl which the owner with perhaps but yet knows what or how many can son erespe New Bry

FRED

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except those which have been already week's issue.

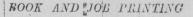
cultural panorama. o last potato is dug and stored, mineral admixture, and is nearly in but this implies higher feeding than the state of vegetable mould, or is compatible with a healthy develope-

cold, and compare weather continually subject to drainage and pigs should be fed mainly on concenes, and speculate and prophesy leaching, much of its virtue may trated food—the object being to grow dations are again rein-forced with ing, its outside windows and if it has been confined within a flat the most available is a basis, while and, its outside windows and it that been commend within a nation overflow, with those designed for breeding purof the winter weather, and all and not too much flooded, it will re- poses, or to be kept to mature age bethe ons and daughters of the old tain its tannin, nitrogen, and fertiliz-tore being fattened for pork, such a course will not prove a profitable farmer puts it in this way: "If farmers who think pouliry does not

the set of Thanksgiving, and into the best of plant food. Organic one, in the soil, and there is no better way the should have a mixed diet—plenty for breed-the set wintry roar in the wind. of supplying this organic matter than the soil, and there is no better way of supplying this organic matter than the soil and there is no better way of supplying this organic matter than the soil. ational) feast of Thanksgiving, and into the best of plant food. Organic one, swept hills, and as the first snow. last sere leaves come by mixing peat with animal manures, and ample opportunity for exercise

tion, and crying out against all thetion, and crying out against all position of the vegetable matter, of pasture for his pigs, then he must the exhibit atting influence, an enthuthe cause of the present stagnation of and some are so short sight- retains all the volatile parts, one-half using a variety of food-such as skim- wise be considered a task to become asinces and some are so short sight-or two-thirds of which might other- ed milk, wheat middlings, ground a pleasure— and therefore profit and Las to believe that labor can never gain be so fully employed until the instance, to which they abscribe rear fills, is put out of existance. They do not see that under the pre-they do not see that under the preondition of things a large part good manure,

sent condition of things a large part of the earnings of labor is devoted to the payment of interest and taxes, will produce and ratio the part of of the contract of the payment of interest and taxes, payment of interest and taxes, will produce and retain the greatest ed. Oats and peas ground together, will produce and retain the greatest ed. Oats and peas ground together, amount of nitrogen, which is the base and cooked, make an excellent food. she started with, Is not this an inand principal ingredient of annonia. Cooked potatoes, mixed with corn-



of all description EXECUTED ON MODERATE TERMS.

RATES OF ADVERTISING

linary advertisements, 11n,, 1st insertion, \$1.00

ach subse juent insertion, - 18 -

BUSINESS ADVERTISEMENTS

erted for 6 months or 1 year on moderate

ANDREW ARCHER, Editor The number of weeks an advertisement is be inserted should be clearly stated. When is is not done it will be countinued until rdered out, and charged the full time it has NO. 20. en inserted.

> RAISING POULTRY FOR THE MARKET. -In an article on poultry the Philalelphia Times says:

As a general rule we do not think farmers pay sufficient attention to the production of poultry for sale. Carefully kept accounts will demonstrate that one pound of poultry can be produced for about half the cost of the same weight of beef or pork, and always meet with a ready market. Another advantage is that it can be attended to quite well, if not better, more rapidly and cheaply, with any Mr. Faller says that muck consists of our improved breeds of hogs, durby women and children than by men thus economizing the labor of the mostly of decayed and decaying vege. ing the first ten months of the pig's whole family, and directing it into table matter, with some earthy and life, than at any subsequent period ; the production of profit for the general purse.

Try the experiment of allowing the children, if large enough, to take care of the poultry for a share of the products, either in eggs on in dressed poultry. Charge them with all the have run off and little remain. But flesh-corn, variously prepared, being all the eggs or flesh consumed by the family, and note your percentage

of supplying this organic matter than of bone and muscle-forming food— that might accrue from them, they dying down together, our year of These manures not only tend to If permitted the run of a good pasture is something in it." There certainly would soon be convinced that there modify the mechanical texture of the (clover is the best), a moderate supply is no more health promoting exercise. soil, but they farnish carbonic will do them good, and aid in that that affords by caring for, or and ammonia, or nitric acid, and the promoting a healthy growth ; but if having the management of a flock of earthly and saline compounds required the circumstances of the breeder are poultry, and if the flock is any of the by plants. They assist in the decom- such that he cannot have the benefit pure bleeds-there is in addition to while the absorbing muck seizes and endeavour to supply a substitute by siasm that causes what might othermeal and one part of oil-meal; or the yard of fowls, and at regular market

When it

is desired to break him to harness,

also in harness. Accustom him per-

part of the groom or other attendant,

it is said that with improved If nitrogen is furnished in the solids meal, and make a good combinationthe atmosphere will supply the hy- in short all the various grains and ers of the farmers in favor of gallinamachinery one man can make as drogen needed to form the ammonia, roots raised on the farm may be used ceous stock? It is certainly worthy sed to in the same time. Then they Hence the amount of nitrogen it can to advantage in raising pigs, and of emulation." they say thirteen men must remain furnish, mostly determines are rathe they should nearly all be used when the. This is not the fact. The de. of a manure. Professor Johnston is the pigs are not allowed the run of a BREAKING COLTS.-The time to mend has kept pace with these in- of the opinion that ammonia is sup- good pasture. Avariety of food, such as begin breaking a colt is when it is a er a ed tacilities which have reduced plied to plants by the natural decay is above suggested, fed liberally, and suckling by the side of its dam. It the price so poor people are not now of animal and vegotable substances; accompanied by plenty of exercise, should early be taught that it has reflected to the shifts they once were and that mitric acid is formed partly will promote a healthy and symmet- nothing to fear from the presence of of mand doing so much with- by the oxidation of dear organic mat. rical development, and also ensure a man, and that no harm will come to The work done with sewing ter, and partly by the union of oxygen steady growth. it from being fondled from head to matchines to mamense, and yet there and nitrogen through the electricity Such a course of feeding as over- foot. A very little pains at this peris as much hand sewing as ever. in the air. loads the pig with fat, or forces him jod will soon make the colt perfectly And so it is in all departments of la- The humus of peat is continually to an unnatural growth, is quite like- gentle, and he may then be broken to bor; as labor-saving machinery in- decaying, and is thus continually ly to result in loss of the reproductive lead by the halter, and to stand when ercases the facilities for production, forming carbonic aci.; it is also tak- powers. Great disappointment has tied. All his subsequent lessons prices are reduced and the wants of ing up nitrogen from the air and often resulted from the purchase of should be by gradual approaches; he people multiply, and the present converting into nitrie acid and am- unnaturally forced pigs at fairs by in- the main point being to inspire him and over-production is but the monia. It gives warmth and porosity experienced breeders. The writer with confidence that he will not be to the soil, and supplies it with soluble himself has bought his knowledge harmed. He should be accustomed at of means to buy, All the talk about prosperity by materials; while the insoluble earths dearly-having on several occasions to the bridle by no means of the "bitang less work, arises from the are consumed by the acids, and there- paid extravagant prices for premium ting rig" before any attempt is made samption that too much is produced by adapted to vegitation. Nitrates, pigs, and found them utterly sterile- to ride him; and the mounting should -that there is too great an abundance and other salts (without animal and long since adopted the practice of always be made by "gradual ap-

dust are not favorable to any inter-mixture of sociality with the labor. in the essay on muck and peat as poses require a different treatment in the essay on muck and peat as the those intended to be converted not the lonesomeness of life on in the essay on muck and peat as poses require a different treatment fertilizing agents by Mr. H. Weld from those intended to be converted relish for it on the part of Fuller, which we find in Part I of the into pork at an early age. In the speople, which is one of the evil Transactions of the Mussachusetts latter case, the most rapid forcing is of the times that are passing Horticultural Society, just at hand; the most economical method of treat-We have not space to notice the because it is of itself timely; and be- ment, while in the former, a steady, cause it has formed the subject of healthygrowth is all that should be aim tasks that intervened between cornhocing and the close of the season. recent thoughts of our own, of which ed at. As remarked in a former article Suffice it to say, there are few changes we made a brief article in our last in these columns, pork can be made

LIZING AGENT.

FOR PORK

red to. After haying, harvesting and gathering in the root crops, any hen comes the final scene

turpkin housed, and the "humus" sometimes called "geine." ment of the vital organs, and of the have begin to receive their re-lar allowance of corn-fooder. The value of this muck depends very much on its position. If it has been version into pork is the object, the

OVER PRODUCTION. dairy are complaning of over pro-

turnip, with its deep-feeding, search not the custom of holding them be proportions required; and when land bad roads wor ing root, and subsoil proclivities, profitably introduced among the mem-should engage the attention of the bers of the different agricultural dear, and especially were the soil is New England adapted to grass; hay is perhaps the smile as they adapted to grass; hay is, perhaps, the smile as they farmer. The turnips call for deep societies of the Province? most economical food for general use perceive the

ploughing, and must have it, or most lands, before it will yield a paying crops, with little manure. Artificial manure, as it occupies small space WHENCE PLANTS OBTAIN THEIR SUPPLIES OF FOOD. and does not invite drouth like barn-

boy can thin out a quarter of an acre-per day, of ten hours, after the culti-vator leaving the drill on top about five inches wide. There are more turnips lost by more constrained with able time in the special stations, for the purpose of discovering the laws of plant nutri-tion and growth.

overwarm than by overcool storage, tion and growth, Yellow turnips are of a much warmer nature than potatoes; and are by horsemen considered better feed than carrots. For many horses standing Yellow turnips are of a much warmer carrots. For many horses standing idle, a bushel of turnips is as good as a bushel of oats. But the turnips through the roots.

For the "Agriculturist."

For the "Agriculturist." A subscriber in Upper Woodstock desires information on the following matter; will some of our readers be

mare, seven years old, by way of a the wood and bark, the gluten, starch, also develops the nutritive matter of boy-torture has cure. She had a colt two years ago, sugar, and so on. The atmosphere the feed, saving the animal system and in the ti cure. She had a colt two years ago, which died when three months old. Ever since the dam has milk in her bag. Last spring her milk veins broke out in scabs, but they are now, healed over. The mare has a beauti-ful coat but it has hately faded." The source of the oxygen hydrogen is not definitely settled. It is very probable that the water absorbed that the main if and only requires a tot in some of these ways?—they all only requires a tot make a stead assimilation. In adopting a mixed food much of ed boy-reder,

lhe entire source of supply.

FIELD MEETINGS.

est returns are sought Something stopping Plants get part of their food from containing more nutriment in smaller or spady to yard manure, is best adapted for this root. The drills must be quite flat to encourage a good yield, six hundred bushels per acre, say. Any ambitious boy can thin oat a quarter of an acre

MIXED FOOD FOR STOCK.

A correspondent of the Country has annihilated

Cattle, in a state of nature, or if left land must

provide accordingly. Very many, I this outline of

tion and growth. Water.—Plants have the power of before feeding, to allow of soft- he drags back and tial for distending the stomach, and compulsory eq

brough the roots. Organic matter.— Carbon, oxygen, bowels in good condition. Straw, also falling into de must be raw; if they are boiled, or and hydrogen.—The carbon of plants contains phosphates in considerable New Encland is taken fron the atmosphere. The proportions, so essential to supply ridden a he leaves absorb carbonic acid, and with osseous materials for the wasting the corn-row

matter; will some of our readers be so kind as to give the needed advice? He writes:— "Could you or any of your readers inform me what to do with a valuable the wood and bark the gluten starch

through the roots is the main, if not the coarser products of the farm can As turnip be worked up, which now go directly quire th

The farmers of New England have Nitrogen.—Our cultivated plants get to the manure heap. Searcely any of it is well the value of holding, what are called the bulk of their nitrogen from the need be wasted till they have first should be "field meetings." We do not know soil, through their roots. Many years contributed all the nutriment they whether it is an universal custom of labor of the best investigators, and there, it is, at least, in vogue in Massa-chustts. The members of a farmer's devoted to the study of the sources of manure they afford whatever of value one of the characteristic charac chustis. The members of a farmer's devoted to the study of the sources of they have to the next crop, when sent as compared in the soil; but what an New England absurd waste to undergo the labor of same in Canada absurd waste to undergo the labor of same in Canada the fields and inspect and critise the are thousands of tons over every farm, growing crops, and the methods of must be regarded as wrong. The cured ! Straw and hay often are use- last faile culture pursued. Pleasure and busi-ness are combined. The guests, who the "large-leaved plants in particular, which often are left to waste, and nable surprise have travelled a long distance on the as clover, turnips, corn, etc., obtain a where this is the case, they are valu- vogue. various lines of railway by which good deal of combined nitrogen able for enriching the soil far beyond It is wor their destination can be reached, are (ammonia and nitrates) from the air received with bounteous ho-pitality by their leaves, is hardly tenable. The word ladies of the hornestered. The origin of nitroeran from this source is source in the source of the hornestered. by the good ladies of the homestead. The gain of nitrogen from this source available on nearly every farm ? Other Formerly, By the time that they have finished seems to be very small indeed. The means can be provided for saving the were of the bounteous mid day meal, and feel most of the nitrogen of our crops is manure, and the stock can be kept so

the bounteous mid day meal, and feel most of the nitrogen of our crops is manner, and the status of we have assembled most of the not some nitrogen com-neighbours of the host have assembled The soil gathers some nitrogen com-The soil gathers some nitrogen comuntil there is a goodly gathering. The farm to be inspected, is, of is extremly probable that it assimilates stock before cold weather, and by fol- Machine to prepare for a the farm togeth. course, operated on by a farmer who has pride in his calling, and who bears stores up atmospheric nitrogen for much may be added to the value and cut so much work of the farm animals. Participation of the farm animals. Participation of the farm animals and cut so much stores up atmospheric nitrogen for the reputation of being a man of pro-gressive ideas, who has always some formed mostly from the decay of it not then be wise to add to it hy experiment on hand; who pursues vegetable and animal matter, are the adopting economical courses ?

et exchangeable and useful products. manures,) must not be applied repeat- requiring a special guarantee when- proaches"-in the stall or the the lot How it is possible for any human edly to the same land. In the absence ever purchasing one that had been when the colt is perfectly familiar he ng to assume such a thing as a of humus, no vegetable fibrine or " fitted for the fairs."-Lice Stock with all the suroundings. vetery. It is hardly possible to find vegetable caseine can be formed- Journal. the same principle of genticeless, and everything. The great mass of the opte would gladly double their con-very effective. Peat has the power very effective. Peat has the power

aption if they could. Very many to form alkales, and this power is of of July and August, it will be found a harness on him at a time, and let him most people who have food enough would be glad to improve its quantity. fresh muck will centralize one hunwould be glad to improve its quantity. fresh muck will neutralize one hun- or your fowl-houses, as well as through out with the harness on, alone, and

or There is hardly one person in a hun- dred pounds of soda ash ; and that the runs about the outside of the poulto would not double his con- one cord of barayard manare will deon of clothing, and more than compose from three to six cords of is supply of farniture and peat. One dest horse well covered exercise again for the birds that are him make the acquaintance of the birds that are him make the acquaintance of the sulky, and push ch as watches and jew lry twenty tous of peat into a manure I afford to do so. There are equal to the average from the stable people who would not be for it will separate nearly all its spend more than twice as nitrogen from the other constituents, nitrogen from the other constituents, proving their surround- and hold it in a heap. He thicks, re possible for once to also, that the salt contained in one

This method, if followed up three there need never be any, trouble in vants of all men, cord of peat are equal to the drop-arise, impelling to All the manual pings of a cow for three months. This method, it followed up three breaking the most fiery tempered or four times a month, will clean the cold. *All the manual the set to be breaking the most fiery tempered* cold. *National Live Stock Journal.* and arise, impelling to ry. All the manual and, by anylisis, they are found and, by anylisis, they are found ground healthier for the stock to wan- STAND AT THE HEAD .- Young man, ssibly derive have the same chemical qualities der over. Before the earth is thus if you are going to be a farmer, be a loosened and mellow, scatter whole good one. Don't play second fiddle ery-from the force of excepting that there is less actioning

faced to service-will never and odor in the peat or mack. satisfy his wants. It is the In his concluding summary on the that human wants are not that production is not equal i-that imperils our labor Mr. Fuller says: "Decomposed with write essays, and make animal manures it is undoubtedly reducing the an admirable manure; especially for and facter of those, it is valuable as a docile sourchow they and those get enough by assuming s two mach in existance,

ot produced in due now; An exchange says: state, or when respiration is the least ever fruit you have, let it be choice, latively too much of "Dog days were so named because active. Then flesh will then keep and study how to improve, how to too little of other in the latitude of the Mediterranean, are clogged, and pro-the dog stor rose at the same time with the same time in the latitude of the Mediterranean, hearly correspond with that in which the dog stor rose at the same time with the same time in the latitude of the Mediterranean, hearly correspond with that in which the dog stor rose at the same time with the same time in the latitude of the Mediterranean, hearly correspond with that in which the dog stor rose at the same time with the same time in the latitude of the Mediterranean, hearly correspond with that in which the dog stor rose at the same time with the same time in the rose at the same time we have a same time the dog stor rose at the same time we have a same time in the rose at the same time in the rose at the same time in the rose at the same time is the rose at the same time is the rose at the same time is the rose at the rose at the same time is the rose at th afon their personal antiquity ascribed a malignant influ- flesh will take longer to cool through, fourth or at the foot. - Rural World.

ously.

Twelve butter factories are, accord ing to the function of the united of the theorem in the sector of the sector o ell as week days, withby what to produce, end Sopt. 5th." too healthy as food. them every success.

them needed exercise, purify the is the first that always wins esteem earth under their feet, and prevent and respect. Study, observe, listen many a viciously-inclined hen from and gather information pertaining to They have not chough it is an admirable manare, especting or any a viciously-inclined hen from and gather information pertaining to homy soils. In fact it is good on any placking the feathers from her more and forder of these; it is valuable as a great retainer doeler companions' necks.—Poultry one. Let no day pass without some increase of knowledge. Whatever

This easy process affords means for feetly to the use of the lines, then let

limited to contracted space. A great acquaintance of the sulky, and push

number of worms, grubs, etc., are thus it after him, until he has found that

brought to the surface, which the hens it also is harmless. By pursuing this

and chicks will devour greedily, and system of gradual approaches with

they will search for these vigor- perfect gentleness of manner on the

grain over it—oats, barley or whole to any one, be the chief musician your-

wheat. And in this way you may self. This being second, third, fourth

stock you have, let it be good and All meat-producing animals should take good care of it and improve it as producing less. blo is, briefly stated, Anything about dog days is appropo