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NO. 47, WHOLE NUMBER 730

the subtile poison now so frequently found in the cheese, point to pus or diseased matter coming from the udder or teats of cows, and entering the milk, and from thence carrying poison to the cheese, by inducing its own peculiar fermentation as the cause.

> Now, if stagnant water produces a diseased, feverish condition in the cow, and induces suppuration and the formation of pus in the system, which escapes in the milk, and this produces poison in cheese, we have a fearful source of human suffering and sickness. caused indirectly by cows drinking stagnant water. We have laws which punish a dairyman for watering bis milk. Is it not worse to poison milk. by forcing cows todrink impure water, than it is to reduce it with pure water ? I believe there are many dairymen who handle their milk in a faultless manner, and they fail to produce a superior quality of butter or cheese from no other cause except that they neglect to supply their cows with pure drinking water, and oblige them to drink the impure water of low lands. If this is so, what a loss they sustain.

with a pick-axe will dig one in two kitchen pump is as possible, but do

what he does, will not, as a rule, succeed. He should study his soil, find Farmer A. called on me one mor what is lacking, provide it in some one of the numerous tonics that are gain in land," said be. "I've bought furnished for strengthening soil. He Smith's 40 acre lot adjoining my woods should read, and learn of the experigot it for \$80 an acro-cheap as

"It may be worth what you are to pay him, if you've got the money to other way to realize the most from the farm but in wisely doing what is done; not guess at work, but know that it is

the thing to do -Ex.

-Ex.

-The statistician of the Department showering (should be regular, not oc-

INTELLIGENT FARMING .- The man slight sprinkling of dusted carbolic bug would eat these poisoned tulers days that will hold 100 barrels of not dig it so near the house as to en- who follows farming and makes no acid on the dust in each box, assists and die. The paper copying contra study of it, can give no reason for very materially in eradicating lice and dicted the statement in every particular other vermin, -Exchange.

FREDERICTON, N. B., AUGUST 27, 1877.

but simply deposit eggs, and that no CUTTING BACK YOUNG TREES .- We | bug eats the potato but only the green observe that mistakes are still made leaf. Three days ago I noticed that by some who set out young trees, and most of my early potatoes were up who are nevertheless not aware of the and some of them most eaten; a few nents of others, take papers, and in importance of reducing the heads to bugs were on the young leaves busy every way inform himself in all the correspond with the unavoidable re- leating and only one of them seemed duction of the roots in taking up. The inclined or able to fly; I took charge branches of his business. There is no

trees are set out, and the cutting back of those in the garden, four rows each is put off till the new leaves are partly 100 feet long; and, under the clods at out. To do it then will do more harm every stalk, found two bugs evidently than good. If not performed before gone to housekeeping and intending the buds open, it should be entirely to raise a family. Sometimes there

CELLARS -Should be cleaned out omitted. Growth is always checked was a third, and which I julged to be and put in order for the roots, potatoes, by pruning when the leaves are open- an old maiden aunt, or old bachelor etc., that will soon be ready and need- ing or expanded. We have seen good uncle; at any rate it was a bug with. ing storage. Ventilation is essential trees nearly ruined in this way. If out a mate. In a few cases the mated to a cellar, that the air may be good the operation is not already done, let bugs were on the leaf, but every stall and everything kept sweet. Protect all the leaves and roots remain, and three inches above the ground was it against rats and vermin, add con- make up for the neglect by keeping more or less injured. I have gone veniences that may be needed, and the surface of the soil for several feet over the patch three times a day with economize space so as to give the most about the tree constantly mellow, a table knife and bit of shingle, each room for products that is possible mulching with manure as hot weather time finding a less number of bugs

approaches, and if the weather should than the time preceding, and seldom be very hot and dry, daily showering a second supply at the same stalk. A YEAR'S LOSSES BY SWINE DISEASES. the leaves, brauches and stem. This nearly as I can calculate, those I found

Curing Clover Hay. I have taken some pains to experiment with my hay crops, and especialsaving that the first bugs did not eat, ly in the manner of curing them when cut. It has been thoroughly demonstrated to me that it is allowed to remain too long on the stubble after cutting, and work an injury not only

to the crop but the starting of a new growth. Another thing is, that the sooner a crop is secured after cutting, the less the risk for bad weather or storms. A tedder is a great help in curing hay, as it will stir it up in a manner that it is reached by the sun and air, and becomes thoroughly made" in a brief time. With ordinary grass crop, one day sufficient to prepare it for the barn or stack, and as the sooner it is put into a safe place, away from the parching and destructive influence of the sun and weather, the greater the nutriment left and the more it will be relished by the stock.

The saving of clover hay is not so rapidly done, and must be more thoroughly cured before being put

Pure Water For Cows

But few farmers fully realize the

supply of it in the hot dry weather of

into large bodies to prevent heating.

water, say six feet deep and seven danger its foundation. feet in diameter in the clear-that is BUYING MORE LAND. when full, the water to be of this measure. It is folly to build a little ing in high spirits. "I've got a bar

them, half the time. Before commencing to that have no running water in and the question comes up, how can dig one get three barrels of cement stock pastured in these fields be and three of good building sand. watered? Farmers cannot generally Then buy or borrow a mason's trowel. expend much money in furnishing (I'm going to have you do the work water in such cases; but sometimes, yourself, or some of your "boys"pay for it. it will pay to dig a well near where supposing you to be a farmer and the entrance to the field is, and place "hard up" for money.) You also a large trough at its side, which should use a pick-axe. This is a good season be pumped full of water morning and of the year to dig a cistern, so that

OLD SERIES, VOL. 15 NEW SERIES VOL. 4.

6

LUGRIN & SON, Proprietors.

For the Colonial Farmer.

Gorrespondence.

RURAL TOPICS.

WATERING STOCK.

evening. If a large well were dug on you'll not be troubled with water in till now considered that you were a a high part of the farm, the water to it while making it. You had better man of judgment; but this buying be pumped into a tank by a windwill, make a large one while you are at it. more land, when you had more than and pipes running under ground so as always to have a supply of rain you could attend to, and running in to different fields, where drinking water. One eight feet in diameter. for it has changed my opinion. troughs could be placed, there are and six feet deep, when finished, is This greed for "more land" is what cases where it would be proper to do not large. For such an one, dig it is ruining many farmers. It will do so. In the winter season the mill out nine feet in diameter and full very well to buy more land, if one has should be ungeared, and the water let seven feet deep. One man will dig it the idle cash to pay for it, but to mortout of the tank and the pipes. It in two days. You can use brick or all complete, probably cobble stones in cementing, the latter gage it for half the purchase money would cost. these times is almost proof of a man's some \$250, more or less, according to being just as good as brick, and cost-

the expense of digging the well. And ing nothing in many places. Select insanity." It is needless to say that here I will say that one place is as those from three or four inches in Mr. A. went home somewhat soberer good as another to dig a well on the diameter. We will now suppose that same level, as water is found at a the cistern is dug, and that you are And now, let me warn the readers last year 4,000,000 swine of all ages different kinds of trees as to the amount found three bugs and thirteen nests of certain depth anywhere as a general ready to stone it up. In the first of these "Topics" against buying land have died from disease, with a money of injury caused by cutting back too eggs, these always on the under side rule. For instance. I can dig one place, select enough of the largest that they cannot pay for, as the times loss of more than \$20,030,000. One- late. Peach trees will withstand the of the leaf. Now, the Tribune was hundred wells on an acre of level land, stones for the bottom. Next, mix are not in a condition to make it safe fifth of the entire loss was in Illinois; effects of such treatment better than right. The first bugs do eat, and and find a free of water at about enough cement and sand-half of each the same depth in each. -to keep you busy a half an hour, as

There are many farms with fields cistern, which is liable to be empty

dirt-don't you think so ?"

"Mr A," I replied, "I have always

"Ob, I give a mortgage for half the purchase money; but I can make it off the land in five years."

Some farmers dig out low places in good cement commences to "set" in the country. At forced sales of farms, Mississippi, and Louisiana have nearly seen them actually killed by it .-- have been engaged in the bug war for some of their fields, so that their cows 35 minutes, and you must be prepared and other property within a few weeks as large a percentage of loss in num- Country Gentleman. can get drink from ponds made by to work lively when the cement is in different States, the prices realized bers, aggregating \$5,000,000, but in rains ; but this is a bad plan, as the ready. To lay the bottom, first place were only about one third their value New England the losses have been cows have to wade in mud to get the a quantity of cement on one side of it a few years ago. Farming lands, as very small. With proper veterinary main object in building a cistern is to lie in heaps on the ground. So a rule, do not depreciate in value in inspection, there is no doubt that all have a plentiful supply of water, and bruised poisoned potatoes were left water, and when they reach it it is not into which plunge the stones as close hard times, like the present, as much but a very small percentage of this the next is to have that water good. along the rows before the leaf appears, fit for animals to drink. Another together as possible, crowding the way is to dig cisterns in certain fields, cement, which must be quite soft, up

the water to be conveyed to them in between them so as to fill every opena ditch. A farmer whose land is ing, then cover the top so that when underlaid by a rock to a great depth. the entire bottom is laid the cement so that he cannot dig it very well, and stones will be about eight inches says: "I first located my cisterns thick, which is necessary in all soils they cost; consequently, it is no time years-apparently incredible, buttrue, the bottom hollowed out a foot or fif- punished by fine, for, like Canada near my buildings, and was at quite with a heavy pressure of water, after to buy land, unless you can pay for it. nevertheless.

an expense for gutters and conductors, long rains. It would be best to have If a farmer has idle money, he had better look around, and find an opbut I finally conceived the idea of two hands work at stoneing up the locating my cistern where I wanted sides, so as to use the cement when mortgage, because the interest he ment of plowing. At times the fault smoothing well on the inside. The them, and filling by means of a short made as rapidly as possible, and then

tile ditch. I have found the plan to keep the cement mixer at work adwork admirably, and I expect to have vantageously. In walling up the a good cistern available to each field sides, set the stones in courses, leaving on the farm. This will not require a a rough front surface, to receive their cistern for each field, for it can be finishing coat. Your lead pipe to so as to be accessible to two, connect with a pump in your kitchen three, or even four fields, by placing should be ready to insert about three it where four fields corner, or on the feet from the surface of the ground, to line. It is much cheaper, also, to be out of the reach of frost, to run make one cistern holding three thus to the foundation of your house hundred barrels, than two holding one and through it, coming up to the hundred and fifty barrels each. It is kitchen on the inside; and if not in well to locate the cistern where there your cellar the pipe must be protected is a slight depression, or at least a where exposed to frost, by being gentle slope, so that there will be wound with woollen cloths a half an sufficient fall in you ditch; fit a tile inch thick, and to be well done, as you into the arch as you brick the cistern, want no trouble with bursting pipes

then dig your ditch eighteen inches in the winter. or two feet deep, lay two-inch tile and cover it with six inches of coarse gravel; then fill up with the soil, and every shower that is heavy enough to stop you from plowing corn will fil your cistern to the top. The distance you will need to run the ditch will depend on the character of the soi I have a cistern that has been dug four years that has but eight feet o ditch, and has furnished an abundant supply of water; but where the cistern is located on dry land, I would recommend several rods of drain."

This way of filling a cistern is new

his little family, and say that he must with your naked hand. sell out and go where he can buy

COVERS FOR CISTERNS, &C. more land, I know precisely what is Cisterns may be covered by arches, the matter. Every such man ought believe that carpets would sometimes in ; as during heavy rains the pressure or planks. An arch should be made to be ashamed of the farming he is laugh; for to me the gentle, light, might be too great for a straight wall. of brick, to be laid by a mason; and the doing. No two good, able bodied, in- graceful touch of the broom, and the For a small one, the straight wall is cistern should be dug 18 inches, or dustrious men can farm properly, complaint that "carpets are comfort- amply strong.-Cor. Phren Journal. two feet deeper than when covered forty acres of land." While it is true able articles and save work, but they with planks, so as to allow for the that farmers ought to make a living make a sight of dust," is reason enough space occupied by the arch, as the top on : 0 or 60 acres of good land. I can to make a person laugh. Short, quick common earth-worm, though apt to be waste that is constantly going on, and of it should be, at least, a foot under- see nothing amiss in their owning 100 movements of the broom will effectu- despised and trodden on, is really a which should be stopped, there are impossible for a cow to furnish her from frost; and as the water neutralpaid for it.

izes the action of the frost in a great degree, I find that a foot of earth over Miscellaneous. the arch sufficient, if it is covered with

than he was when he called on me. of Agriculture reports that during the casional. There is a difference in in the earlier; and this morning to do so. Real estate has depreciated while Missouri and Indiana, together most kinds; apple trees not so well; these are destroyed in time there can in value steadily since 1873 all over lose \$10,000,000. Florida, Alabama, cherry trees worst of all- we have be no succession. My assistants, who

How TO BUILD A CISTERN .- The autumn attack the potatoes as the as city or village property but let a enormous amount of loss might have Dig, as for an ordinary cistern, in a it is reasonable to assume that the farmer try to see what his farm will been saved to the farmers, and the round or oval shape, to a depth accor- bugs would eat and die. No one bring in cash under the hammer. money so lost in one year would ding to size, of from sixteen to twenty- should plant more potatoes than he Probably not one farm in a hundred amply provide for such inspection over four feet. Let the sides be trimmed can and will defend from the bugs, thus sold would sell for over half what the whole of the United States for 100 smooth and truly perpendicular, and and raising potato bags should be

> teen inches, to facilitate cleaning. The thistles, they distribute themselves sides may be walled either with brick from the neglected field of one man to Some BREASTS .- This generally or small flat stones-the latter are the best cared for ground of

would receive would be more than he is in having poor old collars, and not bottom should also be strongly plaswould make on land, if he already having the collar well fitted to the tered. So far we have a good and owns as much as he can cultivate well. horse's breast: and often, the hames durable cistern. But we want the A farmer who thinks that farmers are either too tight or too loose. There water filtered. Many modes, costly generally own too much land says: is a great difference in horses about and otherwise, have been practised "Many years ago, from my own ex- getting chafed or galled, and at times but the best, the easiest, and most perience, I reached the conclusion it has seemed to be impossible to keep economical, is to build a brick wall that crop failures were in the main their breasts from getting sore; but through the centre, laying the bricks the result of the neglect of the farmer. a thorough application of strong alum flat lengthwise of the wall, one thick Farmers undertake too much in the water or white oak bark to the breasts ness only, and using good lime mortar. matter of the acres. They are not of the animal, three days before going This wall must not be plastered, as it able to do everything in season and to work, toughens them so that they is to act as a filter, for which purpose do it properly, because they under- will not get sore. Another excellent only it is built. The water must be take to cultivate too much. When I plan is, when you let your team rest let in on one side and drawn out from hear a man-as I frequently do-with for a few moments during work, to the other side. This is an admirable a farm of forty to sixty acres, com- raise the collar and pull it a little for- filter, and will keep the water clear plaining that he can't live and support ward, and rub the brest thoroughly and pure for years. If the cistern is a large one, it would be well to build

this centre wall a little rounding Sweeping .- If it were possible, I toward the side the water is to come

as with other hay, the leaves become Farmer. brittle and will be broken off before the stems are dry enough to be into the stack without heating. The uring, and anything, or any means, that can be employed that looks to the drving out of these, is the sten years, say that the bugs eat the tuber

necessary: it is generally done by when they cannot find the leaf, and in being permitted to stand for a considerable time. There is an covered with caps to protect them from storms, as clover is more easily injured by storms than is any hav. I have found this plan the most satisfactory with my clover hav. cut it when there is no dew, and allow it if cut with a seythe, to remain the swath for a few hours, when turn it over, the desire being that it may become wilted. I then pitch

portunity to put it out on bond and occurs in the spring, at the commence- preferable-using good mortar, and neighbor. - In N. Y. Tribune.

The second day after this I take them MAKING MANUBE,-- Upon no quesand turn them over, or perhaps, more tion in agriculture is there so much roperly, make the bunches over pending as in the preservation and anew, by which process the top of the manufacture of manure. It has been old bunch becomes the bottom of the truthfully said that the manure hear new, and uncured portions are brought is the farmer's bank, and upon the size of this depends all his operations by repeated, and two bunches put This statement is as true as an axiom ogether into a cock. In good weather in mathematics, and we, as New ot more than three days are needed England farmers (a large portion of us o cure and save the crop. I am sure. at least.) must plead guilty of an improvident use of the materials within our reach for increasing our farm bank at its best, and farmers can improve stock. Farmers often buy commercial on their old products and have better manures in their composition, while fodder .- Factory and Farm. they throw away and waste materials

vegetation. The many little streams that run out of the barnyard and other places around the buildings, in the spring, bearing away plant food into the highways, often might be stopped and absorbed with something, when it would be found equal to the solid part

summer, but compel them to drink VALUE OF THE EARTH-WORM .- The of the manure. Besides the great the stagnant water of swamps. Without an abundance of nure water, it is

not pass through the carpet, and leave describes it as the natural manarer of and made into manure-leaves from to drink impure water we cannot it clean, bright and fresh. Done the soil, consuming on the surface the the forest, muck from the swamp, make superior butter or cheese from The other editorial summaries are full of inthoroughly, such a sweeping need not softer part of decayed vegetable mat- and, where a great amount of swamp her milk. Hon. X. A. Willard says: teresting matter, including the famous be repeated for a week. Of course a ters, and conveying downwards the hay is fed to the cattle, the refuse "Nothing has been more clearly

But the curing must be done with of the farm, whereby farmers fail to care, for if the same course is followed make their business pay .-- Cor. N. E.

HARPER'S MAGAZINE for August is a bril liant summer Number, containing one hundred nd twenty-six engravings, and an unusua tems of the clover are the slowest in variety of novel and entertaining reading

> The Number opens with a superbly illusrated paper on the White Mountains. Then from the mountains the reader is taken to the sea-side-to the beautiful old port of Castine nd the Camden Hills, described by Elizabeth E. Evans in a paper which is a prose-poem with eighteen charming illustrations

Inder the title of "The Golden Treasures of Kurium," William C. Prime contributes a very entertaining paper on General Di Costy-two illustrations. Mr. Prime's descripion of the personal ornaments of the ancient vpriot ladiesis calculated to excite the envy

interest, recently awakened, in the noet Keats's American relatives gives especial value to Mr. Madden's paper on the subject, ontaining, with other illustrations, a portrait of George Keats, the poet's brother, who emigrated to America. A sonnet by Keats, never before published, is given.

There is also in the Easy Chair for this nto small bunches, not large enough Number, published for the first tip.e. a sonnet written by the late John Lothrop Motley to occasion any self-generated heat was seventeen vears old.

Mrs. Mary Treat contributes some very mportant matter about Florida lillies, with What she describes as an Imaryllis Atamasco has been since discoverd to be an entirely new species.

This Number contains three articles of upson's" Pan-Fish Angling," (illustrated) to the surface. In a rother day it may Douglas Fraser's "Hints for Practical Trout-Fishing," and W. L. Alden's "The Flying Proa" (illustrated.) describing a sail-boat that will not capsize.

There are three illustrated poems-Lucy arcom's " Friend Brook," Thomas Davidson's Scotch ballad, "The Jeet-Black ervation, that not care enough Groom," with illustrations by Fredericks, and s given the saving of hay to have it Mrs. Spofford's "Inside Plum Island," with hree illustrations by Bricher

Edward Everett Hale contributes a poem on "The Old South Meeting-House," and ydney Lanier one entitled "The Waving of

In fiction there are five fresh chapters of "Arema," the best serial novel now being Wilkie Collins's " Percy and the rophet," a powerful novelette, complete in ber : Lizzie W. Champney's " Voudoo nportance of pure water for their Violet," with three remarkable illustrations by Abbey ; and Mary N. Prescott's shorter cows, if we may judge by the way ory. " Bell's Match-making, they neglect to furnish an abundant

Dr. John W. Draper contributes a paper with fifteen illustrations, on the Diffraction ectrum, showing exactly what light, heat, actinism are in the last scientific analysis Very timely now, though it would be exceedingly interesting at any time, is Eugene awrence's thrilling story of Mahomet's

" Drawer," with six amosing ill

which are of great value as food for

ground, in order to protect the cement to 200, or more acres, if they have ally remove all dirt and dust that will useful creature in its way. Mr. Knapp many things that could be collected normal yield of milk, and when forced The Editor's " Easy Chair " contains re-

and requires further proof of its feasibility. It is based on the fact that after heavy rains the ground is the arch large enough when curbed full of water; and a ditch two feet to admit a man to go down and clean below the sarface, in which the horseshoe tile is laid, having a slight descent to the eistern, will convey the water that is in the ground for a space of 15 feet on each side of the tile to the cistern.

CISTERNS.

farmer who digs it out himself, and nected with a drain that is not liable cements it, need not be over \$15 to get choked, or to set back, and fill DIVERSITY IN FARMING.—The ad- in chicken economy. Dry earth—or ously produced by the digestive pro-purpose. A farmer once told me that the milk of cows that drank stagaant for the overtand for the overtan Think of the waste of time and strength the cistern with muddy water. The vantages of mixed husbandry, or a more properly speaking, dust from the ceedings of the worms, which take he should like to cultivate more fruit water, that the milk contained living

water to wash with from some near on the ground with the ranning a row form of the so called casts: "In this family of five ar six persons, enough Brot. A month says: "that a cow's called casts: "In this family of five ar six persons, enough Brot. A month says: "that a cow's called casts: "The Pre-int Education of by brook or spring! Time never fails inches under the surface of the ground, farthing manner," says Mr. Darwin, "a field might be sayed from the sink spoultor house on manner," says Mr. Darwin, "a field might be sayed from the sink spoultor house on manner," says Mr. Darwin, "a field might be sayed from the sink spoultor house on manner," says Mr. Darwin, "a field might be sayed from the sink spoultor house on manner," says Mr. Darwin, "a field might be sayed from the sink spoultor house on manner," says Mr. Darwin, "a field might be sayed from the sink spoultor house on manner," says Mr. Darwin, "a field might be sayed from the sink spoultor house on manner," says Mr. Darwin, "a field might be sayed from the sink spoultor house on manner," says Mr. Darwin, "a field might be sayed from the sink spoultor house on manner," says Mr. Darwin, "a field might be sayed from the sink spoultor house on manner," says Mr. Darwin, "a field might be sayed from the sink spoultor house on manner," says Mr. Darwin, "a field might be sayed from the sink spoultor house on manner," says Mr. Darwin, "a field might be sayed from the sink spoultor house on manner," says Mr. Darwin, "a field might be sayed from the sink spoultor house on manner," says Mr. Darwin, "a field might be sayed from the sink spoultor house on manner," says Mr. Darwin, "a field might be sayed from the sink spoultor house on manner," says Mr. Darwin, "a field might be sayed from the sink spoultor house on manner," says Mr. Darwin, "a field might be sayed from the sink spoultor house on manner," says Mr. Darwin, "a field might be sayed from the sink spoultor house on manner," says Mr. Darwin, "a field might be sayed from the sink spoultor house on manner," says Mr. Darwin, "a field might be sayed from the sink spoultor house on manner," says Mr. Darwin, "a field might be sayed from the sink spoultor house on manner," says Mr. Darwin, "a field might be sayed from the sink spoultor house on manner," says Mr. Darwin, "a field might be sayed from the sink spoultor h to show the sad results of this "tug and fitted in position when the walls of it should not have a supply of soft the cistern are being finished. In some every sensible agricultuiist. It puts be freely used in the poultry house, on manured with man has been covered manured with man has been covered manured with man has been the house the house of eighty veery with a rest to fowly to save non the house of eighty veery with a rest to fowly to save non the house of eighty veery with a rest to fowly to save non the house of eighty veery with a rest to fowly to save non the house of eighty veery with a rest to fowly to save non the house of eighty veery with a rest to fow and averything end to be averything end to fow and averything end to be avery the save of eighty veery with a rest to fow and averything end to be averything end water. Sooner or later the constitu-cases, where the soil is stiff and clay- of the house ourse of eighty very sensitive agreet variety, and the house ourse of eighty very sensitive agreet variety, and the house ourse of eighty very sensitive agreet variety, and the house ourse of eighty very sensitive agreet variety and the house ourse of eighty very sensitive agreet variety and the house ourse of eighty very sensitive agreet variety and the house ourse of eighty very sensitive agreet variety and the house ourse of eighty very sensitive agreet variety and the house ourse of eighty very sensitive agreet variety and the house ourse of eighty very sensitive agreet variety and the house ourse of eighty very sensitive agreet variety and the house ourse of eighty very sensitive agreet variety and the house ourse of eighty very sensitive agreet variety and the house ourse of eighty very sensitive agreet variety and the house ourse of eighty very sensitive agreet variety and the house ourse of eighty very sensitive agreet variety and the house ourse of eighty very sensitive agreet variety and the house ourse of eighty very sensitive agreet variety and the house ourse of eighty very sensitive agreet variety and the house ourse of eighty very sensitive agreet variety and bed of the house ourse of eighty very sensitive agreet variety and bed of the house ourse of eighty very sensitive agreet variety and bed of the house ourse of eight very sensitive agreet variety agreet very sensitive agreet very sensitive agreet variety agreet very sensitive agreet variety agreet water. Sooner or later the constitu- cases, where the son is stin and cray- in the polaro-tops, and the house pure and bed of earth averaging thirteen should be collected in a heap and the seventy degrees, and when raised to posal made by Parliament to investigate the tions of these farmers' wives begin to ey, the cement may be prevents the ides of the cistern, chases; distributes both the labor and free from implies of severe labor, ectly against the sides of the cistern, chases; distributes both the labor and free from implies of the cistern. This makes one ninety degrees it would coagulate at Guilds of London. These Guilds are "incorcisterns is often spent in physicians' ing cobble stones; and I think it out the year; prevents overstocking saven inches deep, filled with this bills, all of which may be saved. Some cheapest in the end to use stones in any single department and so tends dust, should be kept in places sheltered families get a precarious supply of where they are plenty, if not, use brick. to keep up prices; is favorable to the from the rains. The fowls will soon rain water from an old hogshead A good sistern is valuable to a family, rotation of crops, the advantages of find the boxes, and will take a bath

who are able to build a cistern. It is cellar, as samething might occur to distributing among many products the should happen to be on the foyls, and an easy thing to construct one. A man deluge it. Place it as near where the risks of failure of one.

a few inches of hay or straw in winter. ICE CREAM -Beat well together An opening must be left at the top of nine eggs with one and-half pounds sugar; boil three quarts good cream. set it off for a short space to cool out the cistern when necessary. The then add the sugar and eggs; flavor curb should come up about a foot above with vanilla, etc., to suit the taste. the ground, and have a cover to it. When planks are used for covering Let it cool, then place in a freezer, etc. they should not be lass than an inch and a quarter thick, matched, and of

GOOD AND CAEAP VINEGAR .- To Farmer. durabl wood. Chestnut or cedar eight gallons of clear rain water add

scantlings, 3x4, should be used for the six quarts of molasses : turn the mix,

Think of the waste of time and strength the cistern with mucdy water. The valuages of integers of an and air into their intestinal canal a large if he had the manure, when, at that the manure, wheels on and the passing wheels on antity of the soil in which the large if he had the manure, wheels on antity of the soil in which the large if he had the manure, wheels on antity of the soil in which the large if he had the manure, wheels on antity of the soil in which the large if he had the manure, wheels on antity of the soil in which the large if he had the manure, wheels on antity of the soil in which the large if he had the manure, wheels on antity of the soil in which the large if he had the manure, wheels on antity of the soil in which the large if he had the manure, wheels on antity of the soil in which the large if he had the manure, wheels on antity of the soil in which the large if he had the manure, wheels on antity of the soil in which the large if he had the manure, wheels on antity of the soil in which the large if he had the manure, wheels on antity of the soil in which the large if he had the manure, wheels on antity of the soil in which the large if he had the manure, wheels on antity of the soil in which the large if he had the manure, wheels on antity of the soil in which the large if he had the manure, wheels on antity of the soil in which the large if he had the manure, wheels on antity of the soil in which the large if he had the manure, wheels on antity of the soil in which the large if he had the manure, wheels of the soil in which the large if he had the manure, wheels of the soil in which the large if he had the manure, wheels of the soil in which the large if he had the manure, wheels of the soil in which the large if he had the manure, wheels of the soil in which the large if he had the manure, wheels of the soil in which the large if he had the manure, wheels of the soil in which the large if he had the manure, wheels of the soil in which the large if he had the manure, wheels of the soi that many poor farmers wives, or conductor from the noise to carry the diversities of conductor from the noise to carry the diversities of conductor from the noise to carry the diversities of the soil in which the soil in which the biood, and the cows were in a Scorr Punctance Co, 41 Barchay Street water to wash with from some near on the ground with the running a few Ryral New Yorker : - Diversity of have ground it fine-is one of the most and burrow, and then reject in the to manure a large orchard. In every diseased condition,

little brushing up daily is necessary, more woody fibres, which there molder from the cattle cribs. If your soil is settled in dairy practice than thisbut a "real good sweeping" is neces. and fertilize. They perforate the a heavy clay, sand can be used to great that it is an utter impossibility to make River," a second on "Eton College," and ansary but once a week, First, all earth in all directions, thus rendering advantage for bedding purposes and good milk from bad water." Pure, other on "Tyrol and the Tyrolese." There is cobwebs and loose dirt must be re- it permeable by air and water, both for the pig pens. And on light soils, healthy milk and its products are dramatic poen called "The Last Banqu'st," moved from every crack and corner indispensable to vegetable life. Ac- clay can be used, perhaps, not as an valuable and healthy articles of food based on an incident in the French Re colubefore the carpet is touched. Then cording to Mr. Darwin's mode of absorbent, but it can be drawn to great for mankind, but the sickness and "A Struggle," by Mr. Barnet Philips, delinesprinkle with well drained tea leaves expression, they give a kind of under advantage directly upon the fields, death caused by the use of diseased ates capitally some stirring incidents in a or coffee grounds, and brush well, and tillage to the land, performing the where it can be spread and cultivated milk are fearfully prevalent, and im. French mansion on the Alsatian border during

Dust BoxEs. - Just look how the quence, chiefly of the natural opera- creased three-fold in this way. Then, says: "Garget often occurs in seasons Butterfly." Mr. Wirt Schessends from Wales What a "world" of trouble is often frame to support the planks, with an ture into a clean, tight cask; shake it fowls enjoy themselves in the dust, tions of worms that fields which have most farmers' formerly yarded their of drought. When water becomes some entertaining comments on the name. What a "world" of trouble is often frame to support the planks, with an ture into a clean, tight cash, shake it lows only it has been overspread with lime, burnt marl, cattle during the summer months, become, in process of time, which George Eliot gives to the the back and tail, till or cinders, become, in process of time, which George Eliot gives to the hash of the back and tail, till or cinders, become, in process of time, which George Eliot gives to the hash of the back and tail, till or cinders, become, in process of time, which George Eliot gives to the hash of the back and tail, till or cinders, become, in process of time, which George Eliot gives to the hash of the back and tail, till or cinders, become, in process of time, which George Eliot gives to the hash of the back and tail, till or cinders, become, in process of time, which George Eliot gives to the hash of the back and tail, till or cinders, become, in process of time, which George Eliot gives to the hash of the back and tail, till or cinders, become, in process of time, which George Eliot gives to the the back and tail, till or cinders, become in process of time, which George Eliot gives to the the back and tail, till or cinders, become of "Daniel Deronda," tracing it causes so many owners of country spaces between the ends of the frame a warm place, and in ten or fifteen all the whole body is thoroughly the country while here a striking dramatic sketh of the frame a warm place to the the astriking dramatic sketh of the frame a warm place to the the astriking dramatic sketh of the frame a warm place to the the astriking dramatic sketh of the frame a warm place to the the astriking dramatic sketh of the frame and the process of time, and the process of the frame a warm place to the the astriking dramatic sketh of the frame and the process of the frame and the process of the frame and the process of the frame a warm place to the the astriking dramatic sketh of the frame and the process of the fram causes so many owners of country spaces between the ends of the frame a warm place, and in the dust is as for the support of vegetation. This bath in the dust is as for the support of vegetation. This bed them with something to absorb come feverish and the udder feels the there is a somewhat long but excellent short sheer shiftlessness. A cistern that the covering should be kept well paint- paper, smeared with molasses and torn essential to their health and well-the liquid manure. Farmers, by forerishness even more than the rest story, "Tom Chester's Romance," by Miss will held a supply of water for a ed. The outlet to the cistern should in strips, and you will have good being as is a bath of cool, pleasant farmers to the "working down" of neglecting to save fertilizers within the rest of the animal. From the deficiency of water the blood becomes less fluid of "Charles Kingsley and his School," by all drouths, if not wasted, can be built drain tile. to be fitted in when the form the "mother," or life of the persons neglect to provide their fowls, action of earth-worms, as may be seen they cannot cultivate certain crops they cannot cultivate certain certain certain certain certain certain certain certain certai those they keep in confinement, with in the innumerable cases of which the because they lack for manure, when Prof. Law, of Cornell University, son aucong the contributors to the poetry. this not only luxury, but real necessity initial soil consists. These are obvi- they often waste enough for such a found by microscopic examination of There are still other papers, and well-filled

of the best manures for all kinds of ance." It found, by microscopic ex-Potato Bugs Some time ago I noticed an item, little trouble. ¹⁰ every farmer should some time ago I noticed an item, little trouble. ¹⁰ every farmer should

copied from your columns into a west- reactive to save everything of a manu- evidently coming from stagnant water name, and to drag this rank, unsavory weed? under the gutter, but this is a dis- and it should be built to last a life-time. which all appreciate; and finally, is two or three times each day. This ern paper, directing farmers to bruise rial nature from the barn and house which the cows drank. X. A. Willard (Commissions) to the surface under its real and polson polatoes and lay them al- the coming season, the amount paid said at a meeting of the Connecticut ong the rows before the potatoes have for commercial manures might be State Board of Agriculture, that Mortinean, containing numerous quotations

will also brighten the feathers. A come up, and saying that the first sensibly diminished. - N. E. Farmer. "Recent investigations in regard to from her autobiography.

APPLETON'S JOURNAL for Sertember has dso a frontispiece by Alfred Fredericks to a your labor will be well repaid. - Me same below ground that the spade or ploughed in. Great results are pure drinking water is the cause of the France-German war. A very promising water is the cause of new novel is begun called "Celia's Arbor." the Franco-German war, A very promising does above for the garden, and the often thus obtained, especially upon more unwholesome milk than all other witten conjointly by those popular authors, plow for arabie soil. It is, in conse- grass crops. I have seen the yield in- causes combined. Prof. L. B. Arnold Walter Besant and James Rice, authors of

name-Briberv."