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A WEEKLY JOURNAL DEVOTED TO LITERATURE, AGRICULTURE, AND NEWS.

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

ANDREW ARCHER, Editor.

Care of Bees.

that the season has come for the sum-

mer care of bees. Whatever mistakes

or losses have been made in wintering

it is too late now to remedy; but

perhaps a few hints may aid the many

new beginners who are giving this

the profits are mostly to come.

give it a fair trial,

new beginners is too much outlay in hives and boxes, generally gratifying

to the eye to see the painted, good-

some good bee keepers. I have had

Buying Tools.

from its ownership.

Mr. Keep, in the Dirego Rural says

FREDERICTON, N. B., JUNE 28, 1879.

NO. 12

Agricufture.

Have we overdone in Pig Im-

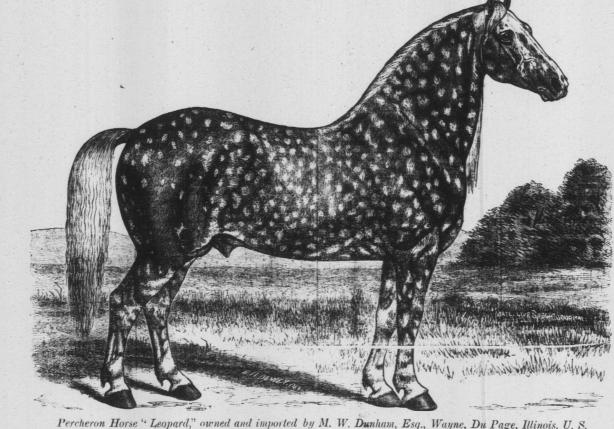
Rapid growth, early maturity, ability to convert a large quantity of food into a good, salable product, ability to fatten readily and to continue the process-these are all desirable qualities in swine, and they have all been secured in each of several breeds to a remarkable degree. Have we gone too far in our efforts to secure these points? This is a question worth the asking, and it may be that an affirmative answer will have to be

It is well known that we cannot cellence, in several directions at the same time, and that almost certainly some weak points will accompany the unusual development of good qualities: hence it is re sonable to suppose that, with such marked development breeds of swine exhibit, there will be undesirable traits. If we add to this general proposition the facts that the present developement has been secured in many cases by close inbreeding. and by reducing to a minimum opporunities, at least incentives, for exerise, and that oftentimes the breeding stock have not been kept in the best conditions for robust health in any respect, we shall think it strange if the result has not been deterioration of constitutional vigor, if not the implanting of well marked tendencies to

Restoring Rancid Butter.

A patent was received some time hatched. ago by a New England farmer for restoring rancid butter :-

will rise to the surface quite pure and used before. Hens with any of the right transparent. The alum coagulates nervous, timid Leghorn brood in of the pigs.



Percheron Horse "Leopard," owned and imported by M. W. Dunham, Esq., Wayne, Du Page, Illinois, U. S.

not carried the tendency to lay on fat water them? The natural way is by the eggs had an opportunity to hatch. that the grass is completely crowded pens to wallow in mud and filth. too far? It is admitted that many a capillary attraction and evaporation. show cow, or sheep, or hog is too fat The hen makes a nest on damp to be most profitable, either for the ground; the heat from the hen evapor-

His process consists in melting the butter in a clean vessel under a slow hatched 10; the next 13 eggs—broke one, hatched 10; the next 13 eggs—hatched A slop made of o

Watering Chickens before they ben and chicks as soon as they begin to hatch; but keep them in the nest for two or three days, if the eggs are

If opportunity offer, let a comparison be made of the carcasses of model, well bred pigs, always kept in high condition, and those of common condition.

butter perfectly pure and clean, and no trouble with hens that are very cows it seldom happens that the pas- covered with brakes that not one ting in its habits, growing freely in ply it. f uniform consistency.

When the butter is sufficiently cool

When the butter is sufficiently cool

With shingles. Put a stick across the season, and if it has a large proportion

Spire of grass can grow. Once it was almost any sort of soil, and when the butter is sufficiently cool

with shingles. Put a stick across the season, and if it has a large proportion once introduced will readily be proto be in good working order, it is care- top of the nest; put the hen in at of pasture to the number of cows then crowded in, year after year, and the duced from year to year, without fur- market, and be willing to pay for the head of a very small pin, and of oval fully taken out and thoroughly work- night, and cover with a cloth, giving there will be considerable grass not land being too rough and stony ther trouble, by simple self-sowing. workmanship. A cheap tool is never shape, and a yellowish-brown color. ed, adding to each five pounds of but- one or two nest eggs; leave her quiet eaten off at the flush, and when the to plough, there has seemed to be no The ripe seeds of the plant can also be satisfactory in the end. Buy at as This mite will probably do more to ter three ounces of good dairy salt, and undisturbed for 36 hours, or until season is dry these uneaten spots will remedy but to "fall back in good or utilized in making spiced cheese, or low a price as you can, but don't get rid our fields of the potato beetles one ounce of pulverized white sugar. the second morning from the time she be so tough that cows will cat very der," and give the brakes the field. The butter is then packed in clean was put in. I make a pen about four little of the grass. It is better in the One farmer who formerly kept a dairy carraway generally employed, so that feet square around the nest, in which early part of the season to have cows of twenty five cows, now can keep it is worth cultivating for that purpose need it. Calculate the gain which By covering it with strong brine and to keep food and water for the hen, to enough to eat the grass down about only twelve, because the brakes have alone, independent of its protective will come from its use and the saving keeping it in a cool place, it is claim- keep other hens from getting to the even all over the pastures. How to kill power the attacks of insect plagues, which may reasonably be expected ed it will remain sweet for any actived nest and to prevent the hen from get-furnishes more food as the season ad-brakes has been a difficult question to -London Farmer. ting far from it. On the second morn- vances. But the dairyman should answer, but Judge Crossett has solved While on the subject of butter, the ing I take away the shingle from the make provision early in the season the problem. Fence in a few shotes Extraordinary Fecundity of a Cow. plements and too expensive implefollowing from a California paper is door of the nest, turn the cloth up, for any deficiency which may happen and give them nothing else to eat, so -Prof. Carl Freytag, of the Univer- ments are ruinous draft on the farm all round. Most men look on it as a but leave the top covered; let them in his pasture; and for this oats is that they will be obliged to tear up sity of Halle, records an extraordinary profits. Balance this thought, how-"In order to keep their butter over the period of low prices and hot weather, California dairymen seal up their products in tin cans, sinking the period of the period of green, which the period of low prices and bot they should be sown early so as the products in tin cans, sinking the period of green, the brake roots or starve—literally to instance of fecundity in the cow, which and they should be sown early so as the product in the products in tin cans, sinking the period of low prices and hot they should be sown early so as the period of low prices and tor this oats is that the product the brake roots or starve—literally to recently came under his observation and getting used to their new home, the brake roots or starve—literally to recently came under his observation and they should be sown early so as the product of the brake roots or starve—literally to recently came under his observation and getting used to their new home, or on April 30 last, the animal in question gave birth to four calves in quick.

When they seem at home, give out the saw well adapted to produce milk a good crop of grass. But be sure of fecundity in the cow, which the brake roots or starve—literally to recently came under his observation and they should be sown early so as only. On April 30 last, the animal in question gave birth to four calves in quick is really needed.

For fevere where the construction and they should be sown early so as only one of the brake roots or starve—literally to recently a must be sure than good crop of grass. But he brake roots or starve—literally to recently and for this oats is that the opposite reflection—there can be no greater waste of recently came under his observation and they should be sown early so as and getting under the brake roots or starve—literally to recently the brake roots or starve—literally to re their products in tin cans, sinking them in the bottom of cold streams. Butter made in April comes out in October in good order, and continues to keep fresh in the cool weather of winter. Forty pound cans are generally used."

When they seem at home, give dat is as well adapted to produce milk a good crop of grass. But be sure at some of the bottom of cold streams. Butter made in April comes out in October in good order, and continues to keep fresh in the cool weather of ally used."

When they seem at home, give them the year and good crop of grass. But be sure them the bottom of cold streams. Succession, and very shortly and give these ploughmen plenty of pure, cold water. This is indispensable how and nutritious. Milk should be fed in the milk. It is then most palatable and nutritions. Milk should be fed in the milk. It is then the shingles, remove the cover from is a highly nitrogenous body, and, the top, and, night and morning, lift the hen and take from the nest the land will not care for heard whoever buys as clover but to be at the best it succession, and very shortly and give these ploughmen plenty succession, and very shortly and give these ploughmen plenty succession, and very shortly and give these ploughmen plenty succession, and very shortly and succession, and very shortly and give these ploughmen plenty succession, and very shortly and give these ploughmen plenty succession, and very shortly and give these ploughmen plenty succession, and very shortly and succession, and very shortly and give these ploughmen plenty succession, and very shortly and succession, and very shortly and give these ploughmen plenty succession, and give these ploughmen plenty succession, and very shortly and give these ploughmen plenty succession, and give these ploughmen plenty succession, and very shortly and give these ploughmen plenty succession, and give these ploughmen plenty succession, and give these ploughm

Worn Out Pastures, "He who by the plow would thrive Himself must either hold or drive."

out. The Judge took me up to his

condition, and those of common or hoop. This makes a good door for the pige should early be taught to field where they had been at work the escape. grade pigs, which have had more the have had more the hen to go in and out at; spread look elsewhere for a part of their sus- fall before. Here half a dozen shotes

But manures when properly handled, Cellar. length of body, perhaps a little more the soil over a space somewhat tenance. This is an easy matter; a had been put upon an acre of brakes need not suffer any waste from evaporlength of leg, and which have fed dur- larger than the frame; set the frame little milk or nutritious food of any and briers the first of August, and by ation. A moderated and regulated ing part of their lives on good grass in the centre, and put half a bushel kind, in liquid form, placed convenition to the middle of October the whole was beating of fresh manure results in the centre, and put half a bushel kind, in liquid form, placed convenition to the middle of October the whole was beating of fresh manure results in the centre, and put half a bushel kind, in liquid form, placed convenition to the middle of October the whole was beating of fresh manure results in the centre, and put half a bushel kind, in liquid form, placed convenition to the middle of October the whole was beating of fresh manure results in the centre, and put half a bushel kind, in liquid form, placed convenition to the middle of October the whole was beating of fresh manure results in the centre, and put half a bushel kind, in liquid form, placed convenition to the middle of October the whole was beating of fresh manure results in the centre, and put half a bushel kind, in liquid form, placed convenition to the middle of October the whole was beat a convenition to the middle of October the whole was beat a convenition to the middle of October the whole was beat a convenition to the middle of October the whole was beat a convenition to the middle of October the whole was beat a convenition to the middle of October the whole was beat a convenition to the middle of October the whole was beat a convenition to the middle of October the whole was beat a convenition to the middle of October the whole was beat a convenition to the middle of October the whole was beat a convenition to the middle of October the whole was beat a convenition to the middle of October the whole was beat a convenition to the convenitio or clover as almost their sole food, of soil in the frame; shape a nest in ently by, where the pigs can have completely ploughed, every brake and formation of humic acid which secures inventions for artificial swarming, I and which have never been without a fair amount of daily exercise It is on the soil, and put in good sweet rowen, fair amount of daily exercise It is or hay enough to press down to about the reach of the sow, will soon do the shotes had gained in flesh and were the fore harling out or in cold weather. quite possible the decision may be half inch thick; make a gutter in work; and it should be replenished in a thriving condition. The next before hauling out or in cold weather that while the one set would give the the soil outside of the frame, and all frequently through the day. If this spring the Judge planted this to pogreatest profit when on the market, the other would be much the more detected of the rame, and all is attended to, there will be no potatoes and fenced of about five acres the other would be much the more detected by the way round it; make it large is attended to, there will be no potatoes and fenced of about five acres are not potatoes and fenced of about five acres the way round it; make it large ever finding the combs movable, and enough to hold a bucket of water; put the extra expense gives no return posted, by the way, in entomology, sirable for family eating.—National in a bucket of water, when the hen is period, and their growth will be uni- with brakes and briers, with here and are a saving of labor and an even set; in one week put in another; in form and rapid. A good clover pasther a patch of grass that had nearly distribution of the soluble salts (amtwo weeks another; that will be ture is a valuable adjunct and helps run out for want of manure. He put monia, potash, phosphate, etc.,) in the enough. The sand or soil will keep wonderfully. The true secret of suc- in a sow and twelve shotes, scattering soil by rain. If the manure is heaped moist under the eggs until they are cessful pork making is to push the a little corn among the brakes the on the field and gets a heavy rain pig from the date of birth until it is first day or two, but after that gave no before speading the ground under the hatched.

The first hen I set in this way I gave 12 eggs—she hatched them all; the next had 13 eggs—broke one.

The first hen I set in this way I gave 12 eggs—broke one.

The Allgemeine Hopfen-Zeitung states is the return for and briers, making clean work as they reached, the greater is the return for and briers, making clean work as they reached.

The Allgemeine Hopfen-Zeitung states is the return for and briers, making clean work as they reached, the greater is the return for and briers, making clean work as they reached.

The Allgemeine Hopfen-Zeitung states are reached, the greater post. A went, feeding on these roots, and the that the cabbage butterfly, as also its want a sacrifier or a pulverizer or a ber or ravages of this great pest. A

A correspondent of the New England Farmer says on the above subject:

Experiments with incubators seem to have proved that eggs must have

This time-honored maxim, although rocky land where the brakes and brites are crowding out the grass, have proved that eggs must have

This time-honored maxim, although rocky land where the brakes and brites are crowding out the grass, have proved that eggs must have

This time-honored maxim, although rocky land where the brakes and brites are crowding out the grass, have proved that eggs must have different conditions, than I supposed

have proved that eggs must have different conditions, than I supposed secures some of the most thorough the grass on the high knolls, and in convenient than the cap hive. Four moisture as well as heat, to hatch well. —the variation this season being, ploughing, without doing either. Nor every nook and corner, biting close pieces of inch boards, 13 inches square to die. Trees which have been them serious diseases. Is it not the fact that very many of the most highly this is true in the incubator, it is with me, from 20 to 24 days. This seatons that very many of the most highly does not not the fact this is true in the incubator, it is with me, from 20 to 24 days. This seatons that very many of the most highly does not not not the fact this is true in the incubator, it is with me, from 20 to 24 days. This seatons the fact this is true in the incubator, it is with me, from 20 to 24 days. This seatons the fact this is true in the incubator, it is does his hired man put a hand to the put out should be pruned without LOW RATES that very many of the most highly also true if the eggs are under a hen. Assuming that chickens must be lors able to resist disease or unfavor
watered before they are batched the control of the most highly also true if the eggs are under a hen. And, giving it a good dressing of manure, and the main hive. In this please one inch dollar, the main hive. In this please one inch dollar, watered before they are batched the control of the most highly also true if the eggs are under a hen. And, giving it a good dressing of manure, and if in addition watered before they are batched the control of the most highly also true if the eggs are under a hen. And, giving it a good dressing of manure, and if in addition watered before they are batched the control of the most highly also true if the eggs are under a hen. And, giving it a good dressing of manure, and if in addition watered before they are batched the control of the most highly also true if the eggs are under a hen. And, giving it a good dressing of manure, and if in addition watered before they are batched the control of the most highly also true if the eggs are under a hen. And, giving it a good dressing of manure, and if in addition watered before the true if the eggs are under a hen. And, giving it a good dressing of manure, and if in addition watered before the control of the most highly also true if the eggs are under a hen. And, giving it a good dressing of manure, and it is manure, or so able to resist disease or unfavorable circumstances as is desirable?

Assuming that enckens must be that in the past I have lost chickens moreover, they often cultivate lands moreover, they often cultivate lands in the past I have lost chickens moreover, they often cultivate lands wide; three or four of these two-third the moreover, they often cultivate lands in this manner, and, if in addition that an ordinary team could not reach ing the ground and destroying the third the more causes: first, the eggs being that an ordinary team could not reach its indicated that an ordinary team could not reach its indicated that are plough. problem which follows is, what is the in too dry an atmosphere; second, such as old worn out pastures, rough brakes and briers, will be quite as thirds the way across the top, over losses which would reach the way across the top, over losses which would reach the way across the top, over losses which would reach the way across the top, over losses which would reach the way across the top, over losses which would reach the way across the top, over losses which would reach the way across the top way to the way across the top, over losses which would reach the way across the top way to the way across t safest and most economical way to the hen leaving the nest before all and rocky, and so covered with brakes healthy as those that are shut up in which the honey box, with only two greatly reduced.

Spreading Manure.

frames for the combs are in use with

knolls and steep hillsides that become or fifteen dollars lost in trials on the trunks and over the whole root worn out and barren; also, rough, patents. I will now give my favorite surface. Too often too much of the

to be most profitable, either for the butcher or consumer. There is a limit to the profitable production of fat. Is it not true that the disposition to lay of fat is an excess of what is really designable in the case of several somewhat highly prized breeds? The proportion of lean ment has been reduced to a minimum, except in the mans and shoulders, and greatly designable and the heat from the hen evaporate in the butcher or consumer. There is a limit to the profitable production of fat. Is with the heat from the hen evaporate in the box. This box, five inches deep, will have it soutside did ready on the ground where they labor, at it the same time manuring the land of well until after haying and the box. This box, five inches deep, will have it soutside different the soutside different the soutside different the soutside different the same time manuring the land of well until after haying and the box. This box, five inches deep, will have it soutside different the souts of the same time manuring the land of well until after haying and the box. This box, five inches deep, will have it soutside their own board and camp to the box. This box, five inches d and shoulders, and greatly decreased in these. For "home use," do any of us prefer such pigs? If any have doubts on this point, let fettened" hog, or look at sides of bacon, or even at a ham or shoulder. If opportunity offer, let a comparison.

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unless you find occasion for its advantageous use. The saving from machinery comes from use, not from

Now, if farmers will add to this careful buying, intelligence in taking care of the tool so wisely purchased, they will save a severe drain on the industry a trial, and I confess my roadside is a very common sight at farm income. A rusty plough by the sympathies are mostly with such as this time of the year. A farmer need to economize and get the best ploughs a field and concludes that he returns for their outlay. This will will want the same plough in an adpertain mostly to the matter of providjoining lot next week, and so instead ing hives for the new swarms and of taking the plough to the barn and boxes for surplus honey, from which placing it under cover, he leaves it on the ground to be ready for use. - Sci-The most common mistakes with

Mulching

entific Farmer.

looking hives in the yard, sometimes A great many trees die every year with advantage to the product, but which might have easily been saved more often with fatal injury. Some if they had been mulched during the curious and interesting things can be summer. A little straw, or old hav, done with patent bee hives, but the thrown around the trunks of young patentees generally discard their own trees when they are set out does much inventions when they get through to insure their life and their rapid selling them. The best bee-keepers growth. It often happens that trees the world over, say the cheapest and start well soon after they are put out. most simple hives are the best. Yet but wither and dieduring the extreme I would by all means have those who heat of summer. Mulching would have invested in any fancy model, to prevent this evil in a great majority of cases. The roots of the trees are In my own case of getting \$150 annual income, my outlay has been from one to three dollars, except ten income the sun dries the earth around income to three dollars.

or three slats for the bottom is to fit greatly reduced. down close to the edges, thus giving easy passage from the hive up into

and far more easy to carry into the and the plants from withering. With all plants which throw up sprouts This form of hive, honey box and from the roots, mulching proves more cap, costs about fifty cents, when made satisfactory than hoeing, and the also make a much more rapid growth have never learned any practical value than would otherwise be secured. in them. I am aware that moveable Ex.

Potato Bug Parasite,

The agricultural editor of the New such a hive for five years, without the extra expense gives no return, posted, by the way, in entomology, in regard to a parasite which has appeared on the potato bug, and from which farmers have reason to expect great service. He says it has long 1st, Know what kind of work you been known that the Colorado potato hatched 10; the next 13 eggs—hatched and regular heat, and while it is melting he adds two ounces of pulverized ing he adds two ounces of pulverized in hatched eleven; the next 13, and little oil ment added makes the heat the next 13, and little oil ment added makes the heat the next 13 eggs—hatched the next 14 eggs—hatched the next 15 eggs—hatched the next 15 eggs—hatched the next 15 eggs—hatched the next 16 eggs—hat g he adds two ounces of pulverized um to every five pounds of butter, hatched them all; the next 13, and butter being stirred gently while better being stirred gently while better being stirred gently while better being stirred gently while but also beds of other vegetables, such the butter being stirred gently while melting. When thoroughly melted it is strained through a fine strainer into clean cold water. The butter control of the hen then any I have into clean cold water. The butter control of the hen then any I have into clean cold water. The butter control of the hen then any I have into clean cold water. The butter control of the hen then any I have into clean cold water. The butter control of the hen then any I have into clean cold water. The butter control of the hen then any I have into clean cold water. The butter control of the hen then any I have into clean cold water. The butter control of the hen then any I have into clean cold water. The butter control of the hen then any I have into clean cold water. The butter control of the hen then any I have into clean cold water. The butter control of the hen then any I have into clean cold water. The butter control of the hen then any I have into clean cold water. The butter control of the hen then any I have into clean cold water. The butter control of the hen then any I have into clean cold water. The butter control of the hen then any I have into clean cold water. The butter control of the hen then any I have into clean cold water. The butter control of the hen then any I have into clean cold water. The butter control of the hen then any I have into clean cold water. The butter control of the hen then any I have interested the flow of milk; and this, and this, are clear to control of the sow while suckling, to hatched 12. Seventy-seven eggs set; increase the flow of milk; and this, are clear to control of the sow while suckling, to hatched 12. Seventy-seven eggs set; increase the flow of milk; and this, are clear to control of the sow while suckling, to hatched 12. Seventy-seven eggs set; increase the flow of milk; and this, are clear to control of the sow while suckling, to hatched 12. Seventy-seven eggs set; increase the flow of milk; and this, are clear to control of the sound transport to accomplish your purched to accompl is well worth some travel to see such deners would do well therefore, to tably use. If a cultivator, get one sie, N. Y. This season we have the albumen, the caseine, and other foreign matter, all of which are retained in the strainer, leaving the late the strainer, leaving the leaving the plants here and there among their in this vicinity that is so completely copy. The Dill is most accommodation between the strainer of th than its many larger enemies .-

reason why farming may not be made 5th. Remember that too many im- Very few have learned to regard it as