

OF INTEREST TO THE FARMER.

The Most Profitable Kind of Hogs for General Purposes.

CROSS BREEDS AS WINTER LAYERS.

A Farmer's Daughter Tells Her Experience with Them—Better Apple Trees—Big Money in the Squash Crop.

The profitable hog for the average farmer is the one that is quickly grown, fattens without delay, and can be slaughtered before it begins to consume the hog laid up for the winter, writes E. P. Smith in the Practical Farmer. Such a hog cannot be obtained from any of the famous pure breeds, which answer to the purpose of the large swine breeders but not to the purpose of the small farmer who raises his own pork. There must be some cross which will supply this animal, which may also be called the general purpose hog. A good cross that will hold his qualities without so much watching to prevent deterioration, and one which has individual excellence, is not easily to be obtained. Yet none of our domestic animals are so easily moulded as the hog, and in breeding for some particular purpose the owner has many qualities at hand which he can perpetuate. The pedigree matters not so much, so long as the breeding animals which are to make the cross are of pure blood and bear the distinctive marks of their breed on them.

Given these good parents, offspring that will combine the good qualities of the two may be raised successfully. The farmer wants a cross that will convert his surplus corn into meat, making the greatest number of pounds for the amount of corn consumed, and at the earliest age possible. Many think that such a pig is found in the Poland China and others in the Berkshire, but a cross between these two is much superior to either. There is an increase of frame and flesh from the Poland China and a finer grained quality of meat from the Berkshire, and perhaps a little more energy and hardness in addition.

Unless a pig comes to maturity soon and develops a large frame and covers quickly with solid meat, there is very little profit in raising him. A pig should be slaughtered early, for after they reach a certain point they do not take on flesh enough to pay for feeding them. Such a cross at the age of eight or ten months should weigh from 200 to 250 pounds, and up to this time it pays well, but after that period its profit begins to decline. The same cross will probably reach 400 pounds in eighteen or twenty months, but this extra weight will hardly suffice for the food consumed.

Cross-Breeds as Winter Layers.

The pullets of the cross-breeds, Plymouth Rocks and Brown Leghorns, have proved such excellent winter layers that I should like to say a word in their praise, writes a farmer's daughter to the Country Gentleman. Some of them began laying before they were six months old and have continued steadily ever since. The winter has been unusually mild. I think that because of this credit is due my improved stock, because my nearest neighbor, who has about the same number of hens, gets only one-tenth as many eggs as I do. It makes me feel very proud to bring in a nice basket every day, while she can put all she gathers in the palm of one hand. I took her out to the poultry yard the last time she came to see me and showed her my pretty red-combed beauties; they are so gentle that they always come running when they see me, and range themselves as if on exhibition, so as to show off their bright, glossy plumage and dazzling combs and wattles to the best advantage. The color of the cross breed is either a dark Plymouth Rock with white lobes and moderately tall combs, or the pretty brown and buff of the Brown Leghorns, with the larger and sometimes the falling combs peculiar to that breed. In either case the cross is larger than the brown Leghorns, though smaller than the Plymouth Rocks, but in this respect they are not so different as they seem. I am sorry to say, however, that the pullets inheriting the Plymouth Rock color also retain the propensity to sit so characteristic of that breed. They are much more easily broken, though, than those of the pure breeds, and require solitary confinement being usually amply sufficient.

Better Apple Trees.

On a recent trip through Kansas and the southwest, our attention was particularly attracted to the fruit, of which in many sections the yield is enormous, but the quality abominable, says the St. Louis Magazine. Why do not fruit growers use more care in selecting their trees? In town in eastern Kansas we examined hundreds of loads of apples, but seldom found one that was fit to eat. They were dry, insipid and tasteless, besides being bad keepers. The refrain of most of the farmers was "I don't know what that only those varieties would produce well in that section. This is mere guess-work. Some one farmer years ago tried a russet or a greening and it failed. Henceforth the question has been settled. The only way to know what you are getting is to plant an orchard of trees of the best varieties. Until then the same old refrain will go up and apples will not be worth the raising. Note the difference you go for the best, look and taste of the luscious varieties of apples raised in Ohio, for instance. But for years and years it was the same there, in early days, and until the farmers found that it did not pay to raise such fruit, the crop was not improved. We say to the western farmer, root out the Ben Davis sort of apples and plant trees of known good quality, and you will grow rich, for good apples are growing in favor every day and command the best price.

The Squash Crop.

Big money in a good crop of winter squashes this year! \$1.50 per dozen in many of the towns of this state is what people willingly pay for good, hard-shelled Hubbard or Sibley squashes, to fill their empty cellars with, writes M. S. Benedict of Crete, in the Nebraska Farmer. They grow capitally on sod or new land and that hateful pest, the stink bug does not trouble them so badly. I have safely housed and sold 550 squashes the Hubbard and Sibley from loss than one-quarter acre of seed land. The old Hubbard sells the better, but from a careful comparison in every point I think Sibley or Pike's peak as it is sometimes called, will supplant the old standby in a few years.

I am greatly interested in a new squash called the forehook, and it is the result of the careful work of a most useful Nebraska citizen, Mr. C. P. Coy of Waterloo. This forehook is a little feebly, but its sweetness and really wonderful flavor, will if it keeps our quantities test well, soon have a place near the head of the class. Planted in hills four and a half feet apart the rows would

yield anywhere you might begin, five to ten bushels to the acre, and 100 squashes to the rod. They are about like cucumbers in size, but at 50 cents per dozen, the price I sell them from the wagon, they bring more money than the Hubbard per acre.

The future of vine crops on the American coast is a startling one, if we could only see it. Millions of dollars worth of food products will be sent yearly from Nebraska and Kansas in the next century, which will grow from not only melon, cucumber, squash and pumpkin vines, but from other vines not now known to this country.

Tomatoes for Cows.

We had over a thousand bushels of tomatoes, last fall, says a correspondent in the Rural Canadian, and the Ottawa market was so glutted we could not sell a third of them. We commenced feeding them to the cows and found that they ate them greedily and improved in milking. After my experience last season I determined to plant each year my tomatoes in a field into which I can turn the cows in the fall, and will have the satisfaction of knowing that no tomatoes, green or ripe, will be lost. After the first frost laid all we pulled our tomato vines and collected them, with the green tomatoes adhering to them, into piles, where they remained a couple of weeks before we could let the cows into the field. By that time we found that the first frost laid all we pulled our tomato vines and collected them, with the green tomatoes adhering to them, into piles, where they remained a couple of weeks before we could let the cows into the field. By that time we found that the first frost laid all we pulled our tomato vines and collected them, with the green tomatoes adhering to them, into piles, where they remained a couple of weeks before we could let the cows into the field.

Lump-Jaw Cattle.

Experiments have recently been concluded in Chicago which, it is alleged, will be of the greatest importance to the packing industry and to veterinarians, and which, it is believed, will be of great importance to the packing industry and to veterinarians, and which, it is believed, will be of great importance to the packing industry and to veterinarians.

The Year's Lesson to Orchardists.

There is a lesson for the western farmer in the study of the fruit subject this year, says the Nebraska Farmer. In fact every year presents strong reasons for the planting of fruit trees and plants as a source of profit. This year the lesson is especially strong, since the sale of fruit at good prices is an easy matter. All farm crops bring good prices to be sure, but the price of nothing on the farm will equal that of fruit. Corn at 50 cents a bushel pays well, but at best can only go fifty or sixty bushels to the acre, while a few trees will produce several hundred bushels to the acre of apples which will bring more per bushel than the corn. A case to the point is that of a farmer in Nebraska who refused an offer of \$4,000 for the product of his orchard, but who refused to sell his orchard is as sure to be a long continued source of income as anything we short-sighted mortals can start going.

Butter Packages.

In a paper upon "Butter Making on the Farm," read by Thomas Conway at one of the Wisconsin farmers' institutes, occurred the following in regard to butter packages: In preparing packages I prefer to throw in salt and then scald, cover up and the steam will make it pick right up. Use cold water to rinse and rub inside with dry salt. Never put butter in fancy packages, and when you can make good butter you can safely brand it. In finishing top of package use dairy cloth on top of butter, then make a paste of dairy salt and put it over cloth. It will prevent to of butter from getting overheated and will also guard against mold. In packing butter, the good butter must be perfect grain, high from flavor, desirable color and a sufficient amount of best quality salt, that it must be put up in clean, bright packages of best quality and of a style the market demands.

To Irrigate the Steppes.

A company has been formed under the supervision and control of the government for the irrigation of the steppes in South Russia. It proposes to dig canals and lead water to the steppes, belonging to the government, to various rural constituencies, and to private persons. Several government engineers have been detailed for the services of the company, which will begin work in the Crimea.

The Sioux War of 1862.

A monument is to be erected by the state of Minnesota to commemorate the battles and incidents of the Sioux Indian war of 1862, and especially as they relate to the town of New Ulm, that state. The burning of the town and the massacre of the whites are to be shown in two elaborate bas reliefs.

Pisa's Leaning Tower.

The leaning tower of Pisa is 183 feet high, but it is propped up by an inclined 13 feet 8 inches out of the perpendicular. The walls at the base are 13 feet thick.

CHICAGO TRIES THE EDCO.

An Electric Car System Which Does Away with Overhead Wire.

A VERY SUCCESSFUL TEST MADE.

The Officials More than Satisfied with the Operation of the Storage Battery—Both Swift and Safe.

Electricity as a means of street car propulsion, on the storage system, showed itself to be an unqualified success in the test of the Edeo car on North Clark street in Chicago last Saturday afternoon. An ordinary street car went spinning over the tracks from the limits car barns to Lawrence avenue and back without any apparent means of locomotion except a man in front who occasionally turned a crank, says the Chicago Herald. There were no horses attached to it, no slot between the tracks where a cable could be attached, no steam power, no smoke and no overhanging wire. It seemed to go along of its own accord, not retarded in the least by the carload of people who had jostled each other for a chance to take a ride. It was a complete triumph for the Accumulator company of New York, and its agent, William Hood, was the most pleased man that has been seen since the democratic landslide a week or two ago. The officers of the North Side cable company were also delighted and entirely satisfied with the test. Hardly a flaw could be found in the storage system for the car went over the tracks as rapidly and smoothly as the cable cars, a little better some of the officers said. It is something that street car men have wanted for a long time and if it keeps up its record of yesterday, it is almost safe to say that the poor old street car horse will be given a long and unlimited vacation and he will have to seek another field of usefulness.

The Craze for Tapestries.

There is at present a craze among collectors for old tapestries. Six tapestries which were sold fifteen years ago for \$100 have just been resold for \$20,000, and five large old Flemish specimens, which were sold for \$1,000, are now known archeologists, sold \$600 for in 1872, are now valued at \$5,000 apiece.

Army and Navy Adventures.

by the admirals of the United States navy and by the general of the United States army, will be among the most remarkable features of The Youth's Companion for 1891.

Army Desertions.

According to the report of the acting adjutant general of the army the number of desertions last year was 489 less than in the year before, the percentage being reduced from 11 to 9.

Sick headache is the bane of many lives.

To cure and prevent this annoying complaint and to relieve any suffering which may be caused by it, take Dr. Williams' Pink Pills. They are agreeable to take and gentle in their action. 25 cents a vial.

Big Italian War Ships.

The Italia and Lepanto of the Italian navy are the largest ships ever built. They are 400 feet long, 74 feet broad and possess a mean draught of water exceeding thirty feet.

Gessler's Magic Headache Wafers.

Cure all headaches in 20 minutes. At all druggists.

The Best Cricket Score.

The highest individual score in cricket was made by A. E. Stoddard in the match played by the Hampsteads against the Stoics in 1886. The total score was 485.

TRAVELING WITH HEALTH.

Most people consider ailments, like Hoarseness, Cough, Sore Throat, etc., not worth their while to look after, and they ought to pass over the entire subject, as being taken of them. This neglect is very often the cause of severe and protracted sickness, which determines the constitution of the patient and his general happiness. Use Soden Mineral Pastille in time. They will effectually eradicate all the above diseases. Dr. Morsau B. Brown writes (Southern Medical World, June, 1890): "I have used the Soden Mineral Pastille in Chicago, Philadelphia, and find the results very gratifying. In Pharyngitis as well as in chronic Catarrhal conditions of the upper air passages, the Soden Mineral Pastilles never fail to cure disease of the throat, and in all cases, obtain the genuine article only, which must have the signature and recommendation of Sir Morrell Mackenzie with each box.

Bids for Public Printing.

Sealed proposals will be received at any time on or before two o'clock p. m. of the 9th day of December, A. D. 1890, for the printing of all bills, resolutions, reports, etc., which may be ordered by either house thereof and designated as such in the bills, resolutions, reports, etc., in full form, which is shown on file in the office of the auditor of public accounts, and one thousand (1,000) copies each of the annual reports of the auditor of public accounts, and one thousand (1,000) copies each of the annual reports of the auditor of public accounts, and one thousand (1,000) copies each of the annual reports of the auditor of public accounts, and one thousand (1,000) copies each of the annual reports of the auditor of public accounts.

MANHOOD RESTORED.

"SANATIVO" Wonderful Specific Remedy, cures all Nervous Debility, such as Weak Memory, Loss of Brain Power, Headache, Nervousness, etc. It is a powerful tonic, and restores the system to its normal condition. It is a powerful tonic, and restores the system to its normal condition. It is a powerful tonic, and restores the system to its normal condition.

BILE BEANS

Use the SMALL SIZE (40 little beans to the bag). Price of either size, 25 cents per bottle. KISSING at 7, 17, 70. Photo-gravure. The only medicine of this kind for 4 cents (coppers or stamps).

SOUTH OMAHA.

UNION STOCK YARDS CO., LIMITED. LIVE STOCK COMMISSION. Boyer & Truitt, Martin Bros., 26-30 Exchange Building, 44-50 Exchange Building, South Omaha. S. J. Coffman, Smiley & Co., 30 Exchange Building, South Omaha. Wood Brothers, 25 Exchange Building, South Omaha.

PROF. KOCH

Unhesitatingly recommends Soden Mineral Pastilles (troches) for all throat, lung and catarrhal diseases. Dr. Koch said: "A cough for which I tried many other medicines, which had not the slightest effect, soon became better and has now entirely disappeared." If you are suffering from a cough, a cold, asthma, bronchial catarrh, or any throat trouble, the Soden Mineral Troches will positively relieve where all else fails.

Be sure to obtain the genuine imported article, which must have the signature and recommendation of Sir Morrell Mackenzie with each box.

RAILWAY TIME CARD

Table with columns for destination (Chicago, Burlington & Missouri River, etc.), departure times, and arrival times for various routes.

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Manufacturers' and Jobbers' DIRECTORY. BILLIARDS. The Brunswick-Balke Colender Co., 1111 Broadway Street, Omaha. BOXES. John L. Wilkie, Omaha paper box factory, 1317-1319 Douglas Street, Omaha. BOOK BINDERS & STATIONERS. Omaha Republican Printing Co., Law briefs, blank supplies, and everything in the printing line. 10th and Douglas streets.

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