OUR FARMERS' PAGE.

ENTERPRISE READERS ARE INVITED TO CON-TRIBUTE AGRICULTURAL, HORTICULTURAL, LIVESTOCK, POULTRY, DAIRY OR "BIG CROP" ITEMS FOR THIS DEPARTMENT.

FEEDING THE POULTRY.

Bran Makes an Ideal Food, Both for Growth and Laying.

more easily assimilated than in the steer return? form of oyster shell and the like. Wheat is a most excellent poultry food, but the high price prohibits The molasses cake used in France many from using it freely. Bran and as food for cattle consists in the bollfrom the stack or manger.

cut grain in the self-feeder and perhaps this is the most convenient form of all in which to use it.

Some of the most valuable food properties contained in the wheat are left in the bran, and its food value for poultry is not fully appreciated by many poultry raisers or we would see If you feed bran, clover and alfalfa. Northern markets some of those ediyou need no oyster shell and very little cut bone or lean meat. In fact, a flock will get on and yield lots of eggs without any attempt to furnish meat if the bran and alfalfa is fed.

Modern Fruit Without Seed.

At present the fruits in common use that have few or no seeds include bananas, pineapples and certain kinds of oranges, together with some other says the United States has the health-tropical fruits that do not reach the lest cattle of any nation on the face markets of the world in great quanti- of the earth. This is owing to our providing for the market the long-felt we will soon have it entirely eradithey frown altogether on the enthusl- and not one animal infected in any ward to a future of coreless apples country.

and pears, of stoneless cherries and

In the meantime, cultivators of Bran is an excellent food for poultry portation than to provide more lus-in all stages of growth as well as for clous fruit. Should they succeed it 2 bushels. laying hens. One great point in its may prove possible, even in our time, favor is its cheapness. It contains with the help of more scientific metfia larger proportion of lime than any grade ashes, containing 5 per cent other food at the price, and lime is potash. How much of this does the essential to growth of bone, muscles average fruitgrower return to the and feathers, as well as the formation soil? If we were fattening a steer for of shells for eggs. Lime which is market and should give it only half found in food for some reason is much rations, how much profit would that scythe, ground to a razor edge, with their wild state the berries are not

Molasses Cake for Cattle,

clover used in connection with oats ing of molasses and working it briskly will produce as good results. Clover with a mixture of corn flour and bran, and alfalfa are rich in lime and should when it is pressed into the ordinary be had at all times in the green state form of a cake and packed into bags when possible and in the form of a for sale. The proportions used are well-cured hay the rest of the year, one-third molasses, one-third flour. Cut alfalfa and bran may be fed in one-third bran. The suburban dairymen the form of a mash. Skim milk is claimed that in the use of this moan ideal thing to moisten with Fowls, lasses cake there are extra yield of however, will consume quantities of milk and an increase in proportion of bran dry fed from a self-feeder and butter fat. The proper quantity in they eat alfalfa or clover hay freely feeding should be 6 to 10 pounds daily. which is not intended as a basis of Bran may be used mixed with the food, but as a condiment, and to assist digestion.

Amount of Seed Required Per Acre.

The amount of seeds required to an acre is estimated as follows: Oats, 3 bushels; barley, 2 bushels; timothy, 6 quarts; tobacco, 2 ounces; bluegrass, 2 bushels; red clover, 8 quarts; redtop, more of them using it in the ration. ods of transportation, to draw to our bles that now make the sultry tropics almost a regret to the untraveledeven such delicacies as the avocado pear, the custard apple, the cheri-moyer, the sweetcup, the sweet-sop, the druian, the papaw, the rambutan, the mango and the mangosteen.

> America has the Healthiest Cattle. Secretary of Agriculture Wilson

ties. Yet cultivators do not greatly rigid system of inspection and our despair of adding to the list-of elim- prompt measures to eradicate disease. inating the small and hard seeds of In Europe 40 per cent of the cattle are the strawberry, the raspberry, the infected with tuberculosis, and in the blackberry and the currant, and of United States only 10 per cent, and want, the seedless grape. Nor do cated. We have inspectors in Europe, fruit consumer, who looks for way is permitted to be shipped to this

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WILL KEEP BUSY

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methods.

The Apple Orchard.

It is claimed by best authorities years, counting ten crops of fruit in being opened, is about to lend apthat period, will consume 1336 pounds proximately \$12,000,000 to the farmers of nitrogen, 310 pounds phosphoric of the country to enable them to pur-acid, and 1895 pounds of potash. To chase modern agricultural machinery restore the potash alone would require and implements more than twenty-one tons of high-1 to 2 pecks; millet, one-quarter bushel; orchard grass, 2 quarts; white clover, 4 quarts; buckwheat, one-half estry school at Eberswalde, as the rebushel; broom corn, one-half bushel; suit of five years' study of forest incorn, broadcast, 4 bushels; potatoes, fluence on rainfall, says that of 17 10 to 15 bushels; rutabagas, three gauge stations in the forest, at the fruit are much more anxious still fur-ther to improve the means of trans-quarts; corn, in drills, 2 to 3 bushels; open stations the least precipitation. fourths pound; mixed lawn grass, onerye, 11/2 to 2 bushels; wheat 11/4 to

Hawks and Poultry.

declares that he effectually put an abundant in some places, although it end to the depredations of hawks in is a dwarf form, varying in height his poultry yard by fastening an old from 3 feet to less than a foot. In the sharp end down, on a high pole sultable for coffee-making, but it is set in the edge of a field near his hoped that by cultivation this plant yards. The hawks, as is their habit, may be improved, as other species in lit on the scythe, grasping it with the Congo State have already been, their claws, with the result that their At present the new plant is only a feet were badly cut. This angered botanical curiosity. them and they attacked the scythe, literally tooth and toenall, and, of course, got the worst of it. Every hawk that came along met with a like reception, and within a short time list who says he has tried a great they were either killed or driven away.

To Promote Plant Growth.

The latest phase of the use of cheese cloth shading in the control of plant growth is the employment of colored cloth. The experiments being akin to the use of colored glass for similar purposes which has been agitated at various times, but which has never een commercially practiced.

Certain plants are found to grow indifferently under white, black, red, blue or yellow cloth shading. Other plants, such as corn or bean seeds, germinate more readily under the soon exhibited lack of thrift and

On the other hand, experimenters have discovered that certain truck crops, such as rhubarb, celery and cauliflower may be shaded with black bunting to advantage.

Incidentally, it was shown as the result of the extensive investigation that shading garden plants in this manner affords a protection from early frost and from certain insects such as the radish fly and beetle.

New Type of Roadway.

A new type of roadway has been known as the petrolithic, which is nothing more or less than a well-built, oiled road. The leading feature of is good for both growing stock and this pavement is the very complete compacting of the oiled material by means of a rolling tamper, a new piece of road machinery. It was designed to insure the tamping of the material roosts. from the lower portions upward to the surface. The inventor received the idea from seeing a large flock of sheep walk over a newly plowed road. After the sheep had passed over it the soil was found to be packed so pasture than others, hard that a pick indented it but a short distance. To obtain this effect with a roller the circumference of the main roll is covered with tampers, which act like so many feet walking sacrifice prices.

A Good Condition Powder,

Smead advises the following condition powder for live stock: Two pounds of ground flaxseed as a base, in which mix 5 ounces powdered gentian, 6 ounces of ginger, 4 ounces of powdered nitrate of potash, 4 ounces of powdered sulphate of iron. To this grain. add 2 ounces of powdered charcoal and 1 pound of common salt. Mix all well together. Give at first two tablespoonfuls in feed of grain twice a After two weeks give half the

Farm Implements and Wagons.

A wagon left to the weather and sun is old when one year has passed. A wagon well cared for and protected is not old in five years. The tool shed is not so essential as the dwelling or the barn, but it is expensive to do without it.

Deep Plowing.

The air penetrates as deep as we plow. The deeper we plow the more plant food is prepared by the action of the air and more moisture is carried in the soil to withstand droughts. Deep fall plowing, then, is a great aid in breaking up the compounds of the soil, in preparing plant food, in storing moisture and in warming the soil for early planting.

Repairing Leaky Roofs.

Take coal tar and sift coal ashes in until the thicknes of stiff morta. Plaster it around leaks. If used on slate roofs the snow and rain can not blow in. This cement will harden like stone and is apparently as indesctructible. It answers admirably for paper rooms and if properly put on it seems to be there forever,

Plowing Manure Under.

When coarse stable manure is plowed under and there is moisture enough in the soil and manure to cause its fermentation, it immediately begins to furnish food for crops. It does this all the better in early spring, as the manure under the furrow holds it up and admits warm air from above, which is just what is required to cause active fermentation. The release of ammonia as the manure ferments enriches all the soil above it, as the constant tendency the warm air is to rise. Hence there is good reason for applying manure as top dressing during the winter on land that is to be plowed or hoed for crops in the spring.

Leather Preservative.

This waterproof leather preservative is said to have been in use among New England fishermen for 100 when it was published in an Lay it on plentifully with a brush and his eyesight is defective from this

Money for Transvaal Farmers. that an acre of apple trees in twenty the medium of a land bank that is

The Transvaal government, through

Dr. J. Schubert, of the Prussian for-

Rainfall, and the Forests.

New Coffee Plant.

The African explorer, Carpenter, has found in Sassandra a new spe-A writer in the Scientific American cles of coffee plant which is very

Best Grafting Wax. The following is claimed to be the best grafting wax, by an old orchardmany: To 4 pounds of rosin and 1 of beeswax add 1 pint of linseed oil; put in an iron pot, heat slowly and mix: pour into cold water and pull until it assumes a light color. Work into sticks and put into a cool place until wanted. Some prefer linseed oil to animal fat for grafting wax.

Great Expectations.

A macadamized road between St Louis and Kansas City will be completed within two years. Construction work will be begun next spring. The Missouri Legislature appropriated \$500,000 for the purpose at its last black cloth, but the plants themselves session. The road will be 60 feet wide. On its completion another extending from north to south through the State will be undertaken.

Keep your poultry flock free from unproductive stock. This means to market all the surplus males and old

Don't overcrowd your poultry quar-

The butter output of California has increased from 23,000,000 pounds eight years ago to 44,000,000 pounds at pres-

It is surprising what rubbing down developed in some parts of California, after a hard day's work will do in keeping a team in condition.

Skim milk-or milk in any formlaying hens. It should be given in clean vessels. Thoroughly whitewash the interior

of the poultry house, kerosene the Butter is generally good or bad, ac-

cording to the process by which it is Silage-fed cows winter better, give more milk and do better when put on

Denmark has about 1300 creameries and they make annually about 100,000 tons of butter.

Don't sell off your heifer calves at Good dairy cows over the earth and packing it down. are worth anywhere from \$50 to \$80.

Milk with dry hands. The man who milks with wet hands is usually very careless as well in the other details of

the dairy business.

In feeding hogs, do not try to give ground feed three times a day, but give the pigs the opportunity of grinding the greater part of their own

The first silo built in the United States was put up 30 years ago, and since that time about 400,000 have been built. This is good evidence of their popularity. When properly made, clover silage

is an ideal food for nearly all kinds of farm stock. Aside from its higher protein product, it is cheaper of production than corn. A most serious question on the

farm is the disposing of the sewage from the house and the manure around the barn and outbuildings. A poor appetite in any farm animal

is greatly against its doing its best no matter where it is working, whether in the dairy or before the plow

It has been discovered that giving the cows stale water, or water that has some mineral taste or smell, will make the milk bitter. When you raise a beef cow she

brings you money once in her life-time. The dairy cow produces revtime. enue all her life. Alfalfa is a great feed for coys; it

is a fairly well balanced ration; 11 pounds of it are equal to 10 pounds of bran in feeding value.

In regard to the perspiring of a horse, it may be of interest to some to know that a horse in hard condition and in hard work, gives off thro' the pores of the skin, or in other words, through the sweat glands, dur-

ing the 24 hours, an amount equal to that excreted as dung The value of all feed depends on the manner they are stored or cared for. Those stored in the mow or under an enclosed shed are generally worth about 50 per cent more than those

stacked in the open. To obtain butter of delicate flavor and of good keeping quality, churning must be stopped when the granules of butter are about the size of clover seeds. If larger granules are allowed to form, more casein and water will be retained in the butter, and its keeping quality is thereby im-

Clean stables are just as important now as at any time during the year. If you have been in the habit of cleaning but once a day, try twice a day for a while and see how much cleaner the cows are in the morning.

The barn should be well lighted,

paired.

Light is almost as essential as shelter. Put a horse in a barn but dimly almanac for 1794: Take one pint of if he can find an opening. Besides boiled linseed oil, half a pound of mutthis, his eyesight suffers by coming lighted and he will thrust his head out ton suct, 6 ounces of clean beeswax out of the dark barn into the bright and 4 ounces of rosin. Melt and mix sunlight. Many a good horse is punover a fire and apply while warm, ished for "shying," his owner thinking but not hot enough to burn the leather. him perverse while the fact is that

Ben Franklin

who used to run a newspaper down East years ago, also edited an almanac which contained some wise sayings. Here is one of them:

"The way to wealth, if you desire it, is as plain as the way to market. It depends chiefly on two words—industry and frugality. He that gets all he can honestly and saves all he gets (necessary expenses excepted) will certainly become

What Ben said was not only true at that time, but it still

holds good at the present day. There is no better way to save than to have a bank account We will be glad to have you start an account at this bank. -you are not tempted to spend it,

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