Charcoal is an aid to digestion,

it is best to make the nest on the

farm. Think of those good feather

-From "Poultry Notes," by Grace

SCHOOL GARDENS IN TEXAS.

Agricultural Branch of the Training

The school garden system of San

Antonio, Tex., is on an established

practical basis. It is said that this

city has more gardens attached to its

schools than any place of its size in

the world. There are 949 of these

cultivated plots attached to the twen-

ty-nine public schools. The gardens

are in charge of school superinter-

dents, but the work of planting, cul-

tivating and harvesting the products

of each is carried on by the pupils

of the school to which the garden

belongs. The gradens vary from one-

tenth to one-quarter of an acre. It is

estimated that the total acreage is

more than 100, or equal to that of a

The boys of the schools take a

great pride in their gardens. The

teachers declare that since the gar-

dens were established the boys are

much more industrious in their stud-

ies, that they learn more readily and

that they all show evidence of mate-

rial improvements in their health and

the whole school term. Certain veg-

etables can be grown successfully

during the fall and winter. The

spring gardens are planted early in

tured and harvested by the time the

school term ends in June. An enor-

mous quantity of vegetables is grown.

the work that they give little time to

playing the games that usually con-

same a good part of the time of young

students. There is much rivairy

among the different schools over the

Text books on agriculture now are

used in the public schools of San An-

training in farming and gardening

and are enabled to put their knowl-

edge to practical use in the gardens

that are provided for them. Ener-

getic boys, who become interested in

the work do not confine their labors

to the school garden but many of

them have converted unsightly back

yards and vacant lots at their homes

Expense of a Liner.

shows the expenses and receipts of

great transaltantic vessels such as the

Cardiff exports 12,000,000 tons

A budget has been issued which

into cultivated plots.

good sized farm.

physical condition.

of San Antonio Children.

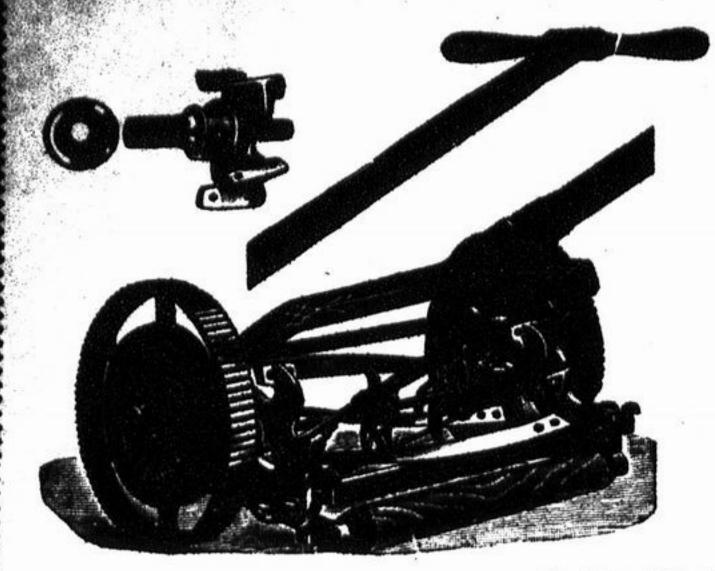
Eby, in the Indiana Farmer,

ground to get the moisture.

a laying condition.

value of manure.

When duck eggs are set under hens,



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DOWNERS GROVE, ILL.

The first suggestion of the use of drinking water. They are kept here for a week or two, or until they show molasses as a stock food was made a complete recovery. If, on the other by Hermstadt in 1811. The first recorded ration was used in 1830 and hand, after two or three days' observation and treatment, no improvement consisted of chopped straw and 220 pounds of molasses per day for 2,000 is manifested, the bird is killed and sheep, eighty head of cattle and twen- buried ty horses. In 1850, rations mentioned by Stockhardt, Henneburg and Stoh-SHELTER FOR PIGS. It is well to have some shelter man consisted of molasses, oat-straw and hay. They limited the amount of built in the pasture to protect the sows and pigs from the hot sun or molasses to 8 pounds per 1,000 pounds storms. A few boards in a fence live weight of the animal fed. By 1860 the use of molasses became quite corner, or set on posts, will make a general in Germany, France and Rus- shelter for them .- Farmers' Home sia, and by 1870 its use had spread | Journal. to England. Owing to the cost of SAVE THE TROUGH. molasses and the variability of the Many a breeder saves at the feedproduct the demand for it did not ing trough, but loses much more in until about 1890, the sal in consequence thereof; it is when the increased production caused false economy to starve the pigs that a marked decrease in price. It is you are intending to sell as breedestimated that now about one-third of the molasses produced in Europe is used as forage for stock. It is fed FARM NOTES. directly to cattle, but usually diluted

the use of molasses.—Queenslander. SHEEP PAID BETTER THAN eggs; if the goose does not show signs

and absorbed on cut straw, hay and

and Texas when feeding molasses

about five pounds per day is used for

cattle, and about twelve pounds for

mules. This is mixed with hay and

grain or sprinkled on cane tops. The

amount of the other feeds reeds re-

quired is considerably diminished by

cereal waste or peat. In Louisiana drinking water.

GOATS. The relative profits derived from the Angora goat as compared to sheep tifully under roosting perches daily has been shown in this section by E. M. Tillingflast, one of the Tillinghast brothers, was own a large tract, composed of abandoned farms purchased by them for game and fish nothing lazy loafers. Pick out the preserves, etc. They purchased a laying hens or paying hens and kill and eat or sell all others. Unproflock of eighty goats some eight years ductive hens make too big a "leak" ago, and nearly the same number of to allow in any well regulated poultry sheep and fed them altke, giving them the same shelter and care.

From the first it was evident that the goat was the loser, while the ought to ay well until July. The sheep were self supporting, with a ducks and geese are profitable or the fair margin of profit.

The Angora goat would cat the bark | beds the ducks and geese supply feathfrom every fruit tree and shrub as ers for far as they could reach, while the sheep would not injure a tree of any, the success of poultry depends on kind. While comparing the fleece, the management. The farmer or breedthe goats would average about 21-2 er who keeps cults is feeding off the pounds apiece, while the sheep cut profit. The farmer should dispose of about four pounds, and in cold or wet all surplus cockerels and save feedweather the goats had to be housed, ing them at a loss. as their fleece would absorb water and give no protection to their bodies, the nest as soon as the hene or turwhile the sheep would not mind the keys are set. The heat of the fowls weather but would thrive and fatten, cause the fumes of the sulphur to while the goal would shiver and lose penetrate every part of their body and flesh. The Angora for a curiosity is every louse is killed, and as all nits all very well, but as a profitable in are hatched within ten days, when vestment is a failue in this latitude, the mother leaves the nest with her both for flesh and fleece. - C. A. G., in | brood, she is free from pits and lice. the American Cultivator.

KEEP THE GRINDSTONE TRUE The average grindstode on the farm sees pretty tough times. The softer the stone, the harder usage it receives. Its lot is almost as hard as that of the "boy on the farm," who has to turn it by the hour. Toe grinding surface of the stone is more apt to be concave than it is to have an even face, or slightly beveled surface. The concave condition comes from grinding axes, scythes, machine knives, etc., with their edges lengthwise of the stone instead of across it. This cannot be helped in grinding some tools. But when the stone does assume this shape, making it impossible to grind a chisel, or any flat edged tool decently, it is a good time to get a spade or two-spades are usually dull-and hold them on the stone until it is sharp, when the irreg-

ularities in the surface of the stone will have disappeared. A grindstone, by the way, should never be left exposed to the sun. The weight of the handle will always cause one portion of the stone to remain uppermost, and this from exposure will reach a different degree of hardness from the under side, so that after a while the stone will be ground out of a circle. If the stone has to stand in the open, a flat box can easily be obtained to serve as a the school garden system. The work cover.-Guy E. Mitchell, in the Farmers' Home Journal.

POULTRY HOUSE FIXTURES. The fixtures in the poultry house should be fastened, but everything February and the products are mashould be morable, because this greatly facilitates keeping things clean and in good shape. As a matter of fact, It is next to impossible to clean out. The boys take such a keen interest in and renovate a poultry house unless all interfer fixtures and appliances are movable and can be carried outside the building. More than that, if the roosts and nests are attached to the walls, it is absolutely impos- | gardens sible to prevent lice and mites from spreading over the entire building and lodging in the cracks in the watts tonio. The youths are given a basic where they can scarcely be reached.

The best roosts are those that are all on the same level and not more than two feet from the ground. We have our perches only eighteen inches above the ground for Plymouth Rock fowls. By having the perches all the same height, crowling for the highest position is avoided, while by having them low it is easier for the birds to get on and off and injuries to the feet or bodies of the fowls in jumping or falling or getting pushed of are avoided. - Epitomist.

CURING COLDS.

Lusitania and Mauretania. Coal alone Each fowl showing evidence of cold | for a round trip from New York or congestion is shut up in a small costs \$25,000, foodstuffs cost \$20,000, doop and given two grains of calomel salaries amount to \$10,000, and other at night, followed by a one grain quin- expenses run the bill up to \$90,000 ine pill night and morning for two for a single trip. The receipts from or three days, says a writer in Amer- passengers are \$14,000, and other inican Agriculturist. If there is any comes bring the total up to \$156,800, discharge from nostrils, a few drops so that the gain is about \$66,800 .of camphorated oil is injected into Pathfinder. each nostril. If any improvement is manifest in two or three days they are removed to a small room and a coal yearly.

The following is furnished by the Farm Journal, Philadelphia, Pa.:

WOMANLY WISDOM.

There are dishes to wash, there are

chickens to feed:

There is milk to be strained in the

There are dinners to get and the flower beds to weed,

And a stocking to darn if she can. There's a baby to soothe, with a little brown head

That cuddles up close in her arm,-But oh, what a glory about her is

Who rules as a queen on the farm! A stitch to-day may save a rip to-

Let somebody else light the kitchen

fire with kerosene. Woman, if you have a good husband, make the most of him; you may never have another as good as John.

Keep your cats so well fed in birdnesting time that they will be too lazy to go after the young birds. Cats are among the worst enemies of birds.

A good coat hanger can be made of a barrel hoop sawed in half. Smooth the ends and pass a cord, by which to hang it, through a hole bored in the middle.

Put a few rusty iron nails in the Broiled calf's liver is excellent Have it cut in rather thick slices, pour boiling water over them, wipe dry, dip in melted butter, dredge with flour and broil over a clear fire until just cooked through.

Giving meat as a stimulant, and A happy man or woman is a better changing the food will keep hens in thing to find than a five-pound note. He or she is a radiating facous of good Geese begin to lay early in March will; and his or her entrance into a and will lay from fourteen to eighteen room is as though another candle had larm lighted.

of becoming broody, set under hens Some one once brought a bedbug in-Dry ashes and lime sprinkled plento my mother's house. There was great excitement in the camp when she is highly recommended as a deodorfound it out. The candle was lighted izer and preserves and increases the and a search made. No peace for anybody till mother was certain that not Don't winter over a lot of good for another bug was left on the farm.

Let your boy go hunting, but arm him with microscope, opera glasses and camera, rather than sling-shot, rife or ernel trajes. From the use of the first weapons, he will learn lessons of pationce, industry and beauty. With the Ducks, if reasonably cared for, latter be will receive an education that will make him hard and unfeeling, if not actually cruel,

When making bye from hardwood ashes, use a barrel having holes bored in the bottom. Have it raised in a Like everything elie on the farm slanting position on four bricks resting on a wide beard, with a channel cut in the heard for the lye to run off into a kettle. Sook the ashes first by pouring on a little water at a time, and then a gallon every hour or so nutil the strength is extracted. Put a tablespoonful of sulphur in

If boaves of bread grew on the trees And steaks sprang from the ground If dishes would but wash themselves The three times daily round

if clothes were all self-laundered, too. And tests were all self-made And garments ready to the hand

Hung tempting in the shade; There would not be a thing to do .-But. I would not like that, would

The farmer's wife has been given a good deal of advice as to how she may make pin-money, but she wants more than pins. She would like a few riblongs and a spring bound, to say nothing of gloves and shoes and a few yards of edging and filmy lace. How would it do for the husband to ent off his tobacco expenditures, and help out the good woman in her struggle for

Some of those dainty housekeepers who wonder why the farmer's wife spend so much time over the frying join and the oven, have had no exporience with appetites that have been whetted by hours of following the plow or cultivator. A man who has been affeld all day, does not want to sit down at a table on which there is nothing more substantial than sardine sandwiches and angel cake.

DARRY HISTS. Unitying is like riding a bievele,-if you don't keep moving you will fall Keep down the garlie, or the garlie

will keep down the price of your milk A herd of dirty, emaciated cows is a plain advertisement of the owner's lack

The climate of San Antonio is peof brains or his downright shiftless. culiarly adapted to the operation of can be carried on during practically

If the cow's bag gets caked before she begins to give milk, you may have trouble. Better milk her once or twice than to run so much risk.

State of Ohio, City of Toledo, Lucas County, 58.

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FRANK J. CHENEY. Sworn to before me and subscribed in my presence, this 6th day of December A. D. 1886.

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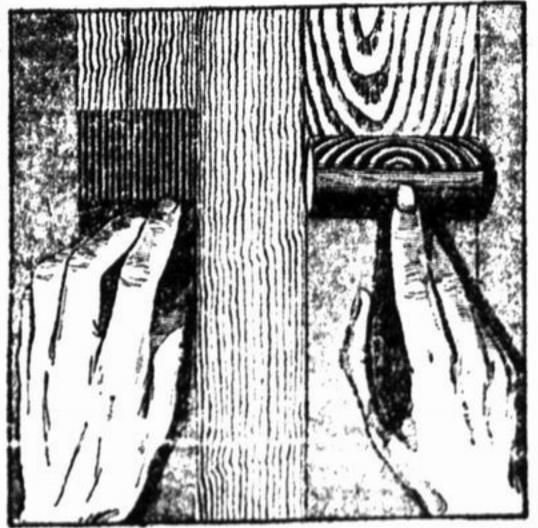
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