Harvesting In Oklahoma.

his team proper attention the farmer shows a kind heart and a wise head. He thereby conserves the energy of the faithful animals which enables them to serve him a long time says a Missouri writer in Farm Progress.

The work team must have good food. Musty hay and molded grain they will not eat unless very hungry. alfalfa hay should fill the manger, and field for a ration will not do well. If ing. one does turn on grass, the team should be provided with a liberal sup- It rids the coat of all filth and sweaty ply of hay just the same.

corn and the other half oats. The corn gives needed strength and the oats act as a laxative. Throw a pinch of salt into the feed box once each day and the horses will be kept healthy. Should a horse have bad teeth his feed should be ground. All grain should be fed in good boxes, one will give no trouble. Use a light for leaky troughs waste much valua-

able feed. be drawn fresh from the well. The place. The work a horse must do is muddy, stagnant water of the pond is hard enough without the addition of not fit for the work horse. It is foul suffering from galled places.

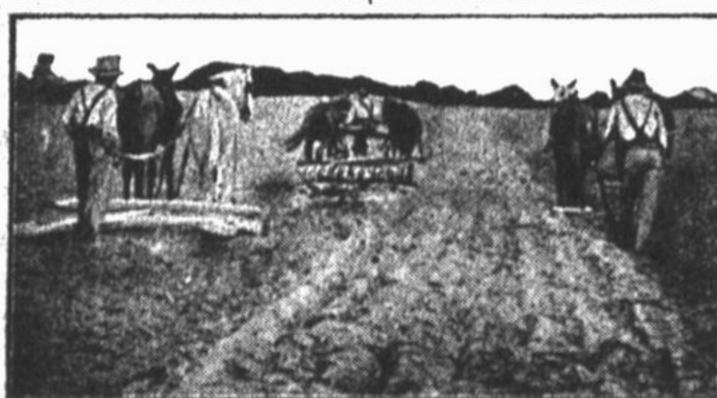
The team that does the work for | and full of germs, and a horse will the farmer during the busy cropping | seldom drink heartily from any such season deserves good care. In giving | filthy liquid. This, of course, means a reduction in the horse's flesh and strength.

> Drinking troughs or tanks should be kept clean. They get foul very fast during the hot days of the summer. Take an old broom and wash them clean once or twice each week.

The horse should have a comfortable stall in which to stand and to and it is harmful to their digestive | sleep. It should be well ventilated in organs and they contain practically the summer so the horse may eat in no nourishment. Timothy, clover or | comfort. The stall should also be cleaned of all fith every day. The It will keep the team in good shape horse that must stand with his hind when fed in proper quantities. Wheat | parts elevated two or three feet above and oat straw are good enough for his fore quarters cannot enjoy his the horse to sleep on, but very poor feed. Good straw will make a fine for him to live on. During the work- bedding for the horse and be coning season the team should seldom | verted into rich fertilizer. He will be be turned on green grass. It is too thankful when he reclines here at washy, and the team that works all night, although he may not be able day and totis all night in the grass to tell you about it the next morn- in you can grab up the end of the

Curry the team night and morning. matter, opens the pores of the skin The best grain ration is one half and keeps the horse looking nice. The horse will lean up to the curry comb and show its appreciation of the

Never work harness that are a misfit. A large collar may produce the sweeny, a tight fitting one is apt to gall the shoulder, but a snug fitting pad and the shoulders will not become bruised. The harness should be pad-The water for the work team should | ded if they rub the horse in any



Plowing, Disking and Harrowing

TRACTOR OCCUPIES IMPORTANT PLACE

Smaller-Sized Machines Solving Any Field Will Prove Profitable if Problem on Farm of Comparatively Few Acres.

R. GROSS, Colorado Agricultu-

There is no doubt in the mind the writer that the gasoline or oil tractor should and does occupy an important place in present day agriculture. The smaller size tractors now being put out by manufacturers are reducing very materially the size of farm on which a tractor may be operated with profit. It is quite certain that a 16 to 25 horse power tractor developing 8 to 13 horse power on the draw-bar can now be operated profitably on a 200 to 250-acre farm. The essential requirements on the part of the farmer who will own a tractor are: That he understand his machine thoroughly or employ skilled help to operate it; that he plan carefully the work so that the tractor can be kept at work at least as much of the time as horses would be: that he have only a little more power in the form of tractor and horses than he would otherwise have in the form of horses alone.

In the tractor it is well to look for tractiff power with the least possible weight. Heavy tractors often have a had compacting effect on the soil. The greater the bearing surface, the greator the tractive power and the less the compacting of the soil. In general there are three types of traction wheels: The ordinary wheel with prominent grouters; the drum type, large diameter and wide wheel with small or no grouters; and the creeping type of tractions parts.

The reliability of the tractor can best be judged by machines of its make that have been observed in operation for me time.

To Fight Weeds Successfully. To fight weeds successfully all sources of weed seed introduction should be avoided as far as possible, and the weeds and perennial roots in the soil killed by painstaking attention. The soil must be brought to a high state of fertility and proper condition generally so as to favor the best growth of the desired crops.

Honey From Alfalfa. Alfalfa, it is said, will not yield the Missouri river, but this claim is said chicken yard occasionally will solve met to hold good until you get into the the grit problem. few England states

Culling the Flock. fulling the sheep flock has as much

CLOVER SEED CROP OF BIG IMPORTANCE

Hay Crop Is Properly Managed-When to Cut.

Save the clover seed this year if at all possible. Any field of clover will yield a profitable crop of seed, providd the hay crop is properly managed It has been proved beyond a question of doubt that the first crop must be harvested before the blossoms die. otherwise the seed will not form in the second crop. Begin the hay har vest just as soon as the first blossoms commence to turn brown if you wish

to secure a full crop of seed. Clear the hay from the ground as promptly as possible, says a writer in Indiana Farmer. If it is allowed to remain for even a few days it has a tendency to partially smother the growing plants, hence reducing their vitality to such an extent that the yield of seed will be materially reduced in quantity as well as quality. It does not pay to jeopardize the second crop. in any manner, for seed purposes when the seed is worth in the neighborhood of ten dollars per bushel-a price that has prevailed for a number of years for strictly first-class clover seed. A yield of only one bushel per acre is

Clover seed is sure to be an ex pensive article for years to come be cause of the increasing demand that comes with a better knowledge of the value of the crop for forage and fertility. Arrangements should be made early with the owner of a threshing rig to thresh the clover seed as soon as it is in condition after cutting.

Control Cabbage Lice. Lice on cabbage can be controlled by spraying with kerosene emulsion, made by mixing a quarter pound of dissolved laundry soap, half a gallon of kerosene and five gallons of water. Cabhage worms can be destroyed by sprinkling the plants with strong salt-

Properly Matured Pulleta, In properly matured pullets all surplus energy beyond that needed to meet the requirements of the body is available for the production of eggs.

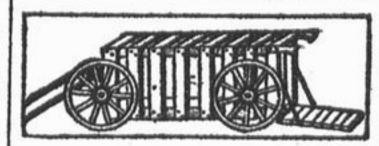
Solva Grit Problem. A load or two of gravel or gravel oney it should if raised east of the and sharp sand mixed, dumped in the

> Sheep Destroy Chiggers It is said that sheep will destroy the chiggers when turned into a field in which the grass is infested with this

SAVES EFFORT MOVING HOGS

"Live-Pork Wagon" is Extremely Useful in Handling Swine-Inexpensive and Easily Made.

This drawing shows the plan of me "live-pork wagon." That it is handy and useful is demonstrated by the big demand there is for it among my neighbors, writes C. H. Patridge of Valley county, Nebrasks, in Farmers Mail and Breeze. I made it out of an old buggy that had been discarded. The floor of the crate is made of two 1 by 5-inch boards 5 feet long. The



"Live-Pork Wagon."

standards are 2 by 2's and wagon bed straps are used for braces, just as in a wagon bed. The top and front end are made of 1 by 2-inch strips. The end gate is made of rough lumber with heavy strips to prevent breaking when loading heavy hogs. Two heavy strap hinges are fastened at the bottom, being bolted on to give strength. Two gate and in he goes.

The bottom should not be more than 10 inches above the ground. The front axle may be used as it comes from the buggy, the crate being narrow and set back far enough to permit turning. A drop axle is used for the rear wheels. This wagon hauls Duroc-Jerseys better than any other breed of hogs.

KEEPING HOG LOTS SANITARY

Ounce of Prevention is Worth More Than Pound of Cure-Provide Clean, Wholesome Food.

Never wait until your hogs begin getting sick before you begin to clean up and improve the sanitary condition of their quarters. In this matter an ounce of prevention is worth more than a pound of cure. The plan should be to prevent by cleanliness, good sanitation and plenty of pure, fresh water, your hogs from getting sick, and it can be done by the proper kind of treatment.

Give your hogs pienty of clean pas tures where there are no longer hog disease germs in the soil, and provide clean, wholesome food; scald, distrfect and clean the troughs and swill barrels while the hogs have good health, and don't wait until they are sick to begin it. This should be done frequently during warm weather especially.

And above all things, don't compel your hogs to lie in their own filth, or any other fifth for that matter, for it breeds disease. Clean quarters, clean food, clean water, pure air are the best preventives against bog cholera.

CATTLE KILLED BY LIGHTNING

Ground Wires Attached to Fences Will Afford Protection During Sudden Electrical Storms.

During the season of severe thunder showers many cattle are killed by lightning. Why not reduce the risk? Briefly, here is what one interested party recommends as a step toward protecting animals in pasture during sudden electrical storms:

Ground pasture fences at least every 20 rods.

Use No. 9 wire. Staple it down the post across the strands of fence wire. Extend the wire into the ground about three feet, and allow it to project a few inches above the top of the post.

LIVE STOCK NOTES

Keep young pigs inside during a

Keep the best ewe lambs to re-enforce the flock.

about two weeks old.

by keeping it clean.

Do not allow any check in the growth of young pigs.

A pig will always keep its bed clean if it has any chance at all.

. . . The 300-pound pig at eight months is masterwork of the feeder.

How about an alfalfa pasture with shade and fresh water for your hogs: . . .

The sanitary concrete hog wallow has found a permanent place on many

The essential point in using purebred draft mares on the farm is intelligent management,

exercise and fresh air possible to the mares that are with foal. . . . There will be no cases of thumps

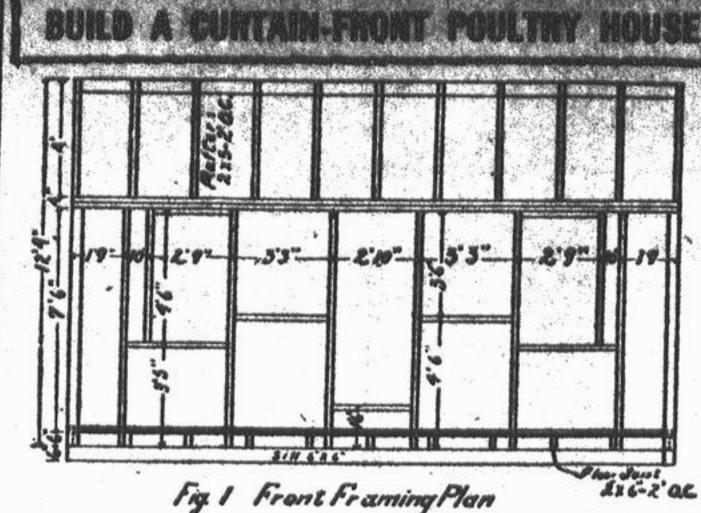
It is a good thing to allow all the

among the pigs if they are kept busy and in the open.

cohmeal, should be kept away from | it. Variety is spice for hens as well | selected hens will give better results the pig's trough.

Keeping the shifting winds off the and incidentally we might say, healthy pigs in their nests is shutting the fowls fill the egg basket. profits inside the hog house.

The fall pign will require more atation than their apring broth ters, but they are worth it.



glass front houses and various other upper covered by 'he curtain. Another kinds, many poultrymen and investiga- door, 15x15 inches, is placed six inches tors came to the conclusion that they from the floor under one of the winhad not yet discovered the right way dows for the birds to pass through the to build their poultry houses. Then front yard. A similar door in the cencame a radical change. It was from | ter of back wall admits them to the the closed warm house to the curtain- rear yard. A light frame, made of 1x3front house. These houses were con- inch strips and 1x6-inch cross tees, is structed with two windows in front, one at each end, and in the center a long opening. The bottom of this open | top of the front opening, which it covwindow was high enough from the ers when closed down. This curtain floor so there was no direct draft on the birds. The walls of the house were built absolutely tight so there were no drafts. The opening was covered only by a light cotton curtain. house removes all dampness, the litter

After several years of experimenting the Maine agricultural experiment station has adopted the following plan as the most economical in construct off. The roosting closet is shut off

ly in it.

birds; a house may be made up of as front of the house. For convenience many or as few sections or pens as in handling there are two of these the owner desires. A door in each curtains, each 9 feet 8 inches long and partition will make it easy to do the work. In long houses one end section may be left for a feed room.

of the house, the center one supports space is celled, and in it are two openthe floor timbers in the middle of the house, while the outside ones rest on a rough stone wall, high enough from the ground for dogs and cats to go under the building to look after rate, etc., that may harbor there. The stone wall rests on the surface of the ground, with large openings in it every 20 feet to allow the circulation of

air. This keeps the ground and timbers dry during the summer. The floor timbers are 2x6 inches and rest together to make one long laying on top of the sills. The front study house, a door should be placed in evare eight feet, six inches high. The ary compartment five inches out from two sides of the roof are unequal in the edge of the roosting platform.

After working and experimenting | trance to the yard, is made in the front with heated houses and then with wall. The lower half is boarded, the covered with ten-ounce white duck or unbleached sheeting and hinged at the is easily turned up into the room and

held in place by hooks in the ceiling. The roost platform should be made tight. It extends the full length of the room against the back wall, and 48 Thorough trials of this style of house 4 feet 10 inches wide and three feet catches at the top hold the gate up developed the fact that the fowls kept above the floor. It is then high in such buildings were more healthy enough for a person to get under when and vigorous and produced more necessary to handle the birds or clean eggs than under other anstems. So out the house. There are three roosts, that now the curtain-front house has framed together in two 10-foot seccome to be generally accepted as the tions. The top is one foot above the most desirable poultry house to build. platform and hinged to the back wall, The free circulation of air through the so they may be turned up out of the way when the platform is being is kept dry, and the birds scratch freecleaned. The back roost is 12 inches from the wall, and the spaces between the next two are 16 inches. They are made of 2x3-inch lumber placed on edge, with the upper corners rounded

from the rest of the room by curtains Each pen 20x20 feet will house 100 similar to the one described for the three feet wide, hinged at the top so as to be turned out and hooked up. This leaves a space of 2 feet 6 inches Three 6x6-inch sills run the length between the curtain and the roof. This ings, each three feet long and six inches wide, provided with a slide door for ventilating the roosting closet when necessary. The nests are placed on framework under the roosting board. This frame should extend at least three inches beyond the back of the nests, and should be so arranged that they may be easily removed for

If several of these houses are joined width, the ridge being eight feet from These doors are three feet wide and

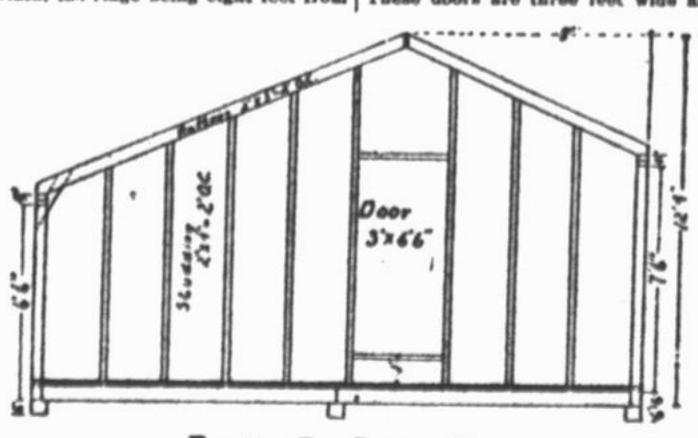


Fig. 2 End Framing Plan

the front wall. The height of the | seven feet high, divided in the middle ridge from the sill to the extreme top | lengthwise, and each half is hung with of rafters is 12 feet 4 inches. All double-acting spring hinges, allowing studding is 2x4 inches. The building it to swing both ways and to be kept is covered with one inch rough lum- closed without attention. ber, then papered and covered with rustic siding. The roof is covered with | through the center of the doorways one-inch boards and thin building pa- track of wood or iron may be placed per, and then shingled. The cost of for the ready movement of a suspend the building may be lessened by using | ed car. The platform of this car should shiplap for the sides and by covering be 2x8 feet and elevated about one with a high grade roofing paper.

Lambs will begin to eat grain at rights 2 feet 3 inches from each end pushes them open easily. All food and of the room. They are three feet above | water can be carried through the the floor. The distance between the house on this car, and it will prove a Protect your farm from hog cholera windows is 8 feet 10 inches, and the great labor saver in a long laying top part of it, to a depth of 3 feet 6 house. The droppings from the roostinches from the plate, is not boarded ing boards may also be removed on up, but is left open to be covered by a lt, being gathered in pails or boxes, cloth curtain when necessary. This loaded on the car and pushed to the leaves a tight wall 3 feet 10 inches | manure shed. high, extending from the bottom of the opening down to the floor, which prevents the wind from blowing on the birds when they are on the floor. A but of less importance than the care door, 2 feet 10 inches wide, for en- they have.

Extending across the building and foot above the floor. Attached to each The front of the building or of each | end of the platform is an iron guard section has storm windows, 2 feet | which projects one foot beyond. As 11 inches by 4 feet 6 inches. These the car passes through the building glass windows are screwed on up this guard strikes the doors and

> Care of Importance. Feeding young chicks is important

CHICKENS RELISH A VARIETY

Fowls Need Something Bulky and Sucoulent to Take Place of Grass and Green Vegetation.

or other crops, store some in a place easily accessible and do not forget to give your fowls the benefit of them. The poultry needs something bulky and succelent to take the place of the | fly, and, in some instances, had protender grass and other green vegets. | duced 100 to 156 eggs a year, accord tion on which they have been feeding ing to the stories of those who keen

for months. Remember, an exclusive grain ration is to concentrated.

Give them something "filling" for a Indigestible feeds, such as bran and | change and see how they will enjoy | and market the rest. Twenty-five as humans, and healthy fowls are the than double the number of good, result if this truth is kept in mind, and indifferent ones.

Don't Use Diseased Fowl. No fowl should ever be used in the breeding pen that at one time in its life had a contagious disease. But no harm can come from using birds that had been afflicted with slight colds or When fligging potatoes, artichokes frozen combs.

> Best Layers of Ducka The little Runner duck is claimed to be the best layer of the duck fam-

Cull Non-Layers.

Find out which are the good layers.

Secretly, every man believes his for meral procession will be the lo

p, and a FEW DROPS TOO MAN FROM WHICH THERE IS NO WARRIED AND SHOULD BE S of "Drops," "Cordials," "Soothing Syran medicine to be given to your children without you or you CONTAIN NARCOTICS, if is bears the of Chas. H. Fletcher.

Warner's Sate Remedies their worth as superior in than thirty-five years' world-wi ess cases.

prove their great value. Warner's Sale Res

on proved provide the first the firs

part. Louisville Co

Joga a spot.

Try them for

Concerning Women on Juries. "Do women have to sit on juries if they vote?" Dr. Anna Howard Shaw, president of the National American Woman Suffrage association, was recently asked.

Shaw; "but I have seen a lot of juries which needed to have someone sit on them, and I have known wom en who have had to stand up at most difficult and disagreeable employments who would be glad to sit on juries and receive about double the price they get by standing. And these men and women who prey upon the virtue of girlhood and boyhood would rather face Satan himself than a jury of mothers. Yes, we need women on some juries."

DO NOT HESITATE

To Use Catleura on Skin-Tertured Sables. Trial Free.

A hot bath with Cutieura Soap and gentle application of Cuticura Ointment at once relieve, permit rest and sleep and point to speedy healment of ecsemas, rashes, fichings and irritations of infants and children even

Sample each free by mail with Book. Address postcard, Cuticura, Dept. XY, Boston. Sold everywhere.--Adv.

Boss Tweed's Old Home to Go. Boss Tweed's old home at Fifth avenue and Forty-third street, New York, boon will give place to the 16-story office structure of the Guaranty Trust company. The house, one of the city's landmarks, covers a space of 62x123 feet and was sold by the notorious Tammany chieftain to Richard T. Wilson some years ago for \$1,200,000. The exterior of the place has not been altered since Tweed escaped from the police. He requested that his guards permit him to pack some clothes. They waited a long time at the front door and then realized but the prisot or had fled. Tweed and escaped to Forty-third street and then to the river, where his yacht was ready to sail. He reached Spain, was caught and returned to the United States.

How to Clean Stone Window Sille. In the Woman's Home Companion Missouri woman told as follows how to clean stone steps or stone window

"Get five cents' worth of the coarsest sandpaper and rub stone steps or stone window sills briskly until all marks are removed, then simply dust them with a duster or a rag. They will stay white much longer by using this method than scrubbing them with water. I always wear a pair of canvas gloves, as they protect the hands from any scratching."

Club Prognostications "I think it will rain before I am

When all others fail to please Try Denison's Coffee.

Some men are never sentral. There are either kicking or being kicked.

