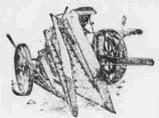
Farm and Garden

CORN HARVEST.

The Binder For Silage Corn—The Shocker on Small Farms. By C. J. ZINTIFIO, Office of Experiment Stations. The corn binder is used to greatest

The corn binder is used to greatest advantage in heads where the corn is check rowed, as it is possible to cut around a block, keeping the machine consumity in operation. Average results taken from several hundred replies received to a letter of inquiry sent to farmers in different sections of the country indicate that for all conditions of corn the total cost per acre of harvesting corn with a curn binder vesting corn with a corn binder is \$1.50. The advantage of the corn



DOLLING D. COON DINIGHT.

Binder over cutting by hand or sled harvester is the amount of work which can be accomplished per day and the general case with which the work can be deen One disadvantage which may be credited to the corn shider is that it knows off more or less cars of corn. Binders consistessentially of dividers passing one of each side of a row of corn and of eatting and binding devices. A bindle carrier is usually also attached.

The present form of shocker consists

attached.

The present form of shocker consists essentially of dividirs, a revolving table for resembling the shock and a grane for reducing it. The shirtes and flywhost attachment for cutting the stalls are similar to those used on the corn binder.

Corn shockers cost about as much as bridge, at a variety of the stalls.

Core storious cost about as finish as binders and weigh argumentally the staine. The wear and tear our the shocker is predictly me so great as on the founders. The shocker requires the work of but one man, whereas the binder requires besides the driver two or three men to route want set up the shocks. The cern shocker seems to be the machine that meets the require-ments of owners of small farms who the machine that meets the requirements of owners of small farms who do their own work. It requires a man of more ability to run a corn shocker than to operate a corn binder on account of the numerous movements the operator has to go through all at the proper time in removing the shock from the machine.

From replies to questions we have a proper that the proper time in removing the shock from the machine.

From replies to questions we have a proper time in the pro

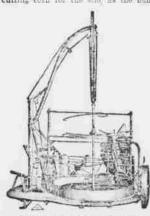
From replies to questions we have a From replies to questions we have a total cost of harvesting corn with a shocker of \$1.00 per acre compared with the cost of \$1.18 per acre for harvesting with a shell investing tend \$1.50 per acre for corn binders or by hand.

The manual labor in harvesting corn is the loast when using the sheeper. The sheet mate to the corn harvesting tends to the loast when the corn harvesting corn.

The shock made by the corn shocker is The shock made by the corn shocker is not so wastly leaded on a wange as is that made by a corn binder, as the individual bundles may be baseled with a pitchford, whereas the whole shock made with a shocker can best be loaded at more with some form of hading device or bersepower derived.

The carn loader is well attached for other carn for the shocker is well attached for other carn for the shocker.

entring corn for the allo as the bun-



CORN HARVESTER AND SHOCKER.

Steer cannot stand wet feet, and they must have dry ground to sleep on at might. Sheep he down a great deal when runnissing. Unless the ground nea running ting. Unless the ground dry and warm they are sure to the for the floor of, internal paraging his the Toot sheep are worse on any law. The hoof of the sheep is the content of the sheep is the when the hoof is dre

Tik For Pigs. r in lowe it on a said.

Youth In Its Golden Prime.

A calf under a year old took the championship in the hallyidual steer class at the last international live stock show. A few years ago only the steer of age and weight would have figured among the possibilities in such a con-"Raby beet" has become a facolling phrase. The "light log" has gushed its way to the front. "Hothouse

'amb" is no longer a great rarity.

This rising feeling for the things of youth, the striking off into a new path in unional production, may at first appear just a turn of the wheel of change. but behind the seeming fancy of the producers is solid reason. With the breaking up of the ranges the small farmers are tackling the meat producing proposition with vigor in the east and south as well as the west, and in all since it appears to be proved that the gains in weight are made at the

least expense on the young animal, See it fusitions, too, are now popular in beef circles, and justly, for the sected farmers are notable feeders of unimals for beef. From the standpoint or aminy met havor Scotch fed beef holds a leading position in the most arrest most markers of the world. Scotch breeders of beef cattle encourturing qualities, particularly in Aber-deen August and Shorthorn districts. As these layers are lived almost enthely for heat traditation the 'endency to take on desh rapidly and mature at an early age is regarded as the most important point to be considered.

Champion Young Angus,
The cut original in the Breeder's
Garette, Chicago, shows the champion ventiling steer Andy, an Aberdeen-An gus, exhibited by the Minnesota col-lege at the last international live stock show. Conversing the display of the Aberdeen Angus at that time the Ga-



CHAMPION TEARLING STURB.

Best Greed For Baby Beef.
Why do we breed Aberdeen-Angus cattle? A firm of Delaware breeders have explained their reasons for so doing as follows in Rural New Yorker; We first began cattle breeding with registered Holsteins, but at the same thus we out in the pasture one Angus time we put in the pasture one Angus buil and helfer and through the grass built and helfer and through the grass senson gave no grain or feed of any kind. When we took them in for winter our Holsteins were thin and peor, while the two Amars were fat and in time shape for beef. We did not desire to go in the dairy business, as the extra work would interfere with our other work, but we did desire to keep cattle, for we must have manure to improve the soil. We found we could help alout two August to one Holstein on the same mereige and have them on the same dereige and have them in good beef shape almost any time in the year. We decided this was the bread we needed disposed of our Hoi-steins and settled down on the Aberdemanging, the best breed of budy beef cattle in the world, we believe. We are breeding them for stock to sell for breeding purposes to be used either in pure fired herds or for grading up to a high standard the common cattle. We also find many dalrymou who sell their culves for yeal consider it profit-able to use an Augus bull, as it will nice to use in Augus ball, as it will nich short \$5 profit on every real calf it eight weeks o'd, no matter how small or common the cow. The smallest fersay cow will bring a calf worth \$5 more if sired by an Angus ball.

A Live Stock Center

It is rumored that an attempt will be unde to make Worcester, Mass., a dies are bound into convenient size to be made to make Worcester. Mass. a be loaded on a wagon. However, this saving of labor is accomplished at the cattle. According to New England cost of twine, which remains around Homestead, C. W. Wood, a large cattle the bundles for less than an hour and is a total waste when cut. radius of fifty miles of Worcester fully 1,500 head of Holstein cattle, and he Dry Land For Sheep.

It is generally well known that sheep require a reasonably dry climate and find that is well drained, but it effen happens that farmers undertake to raise sheep on bottom land and on land that is too wet to plow for each lift sheep are kept on such land for any length of time, trouble is sure to follow, remarks Farm Press. Store, county stand wet feet and they ser of ceitral New York and the miders of central New York and the mid-

of sole leather seven inches long, cut it diamond shape so the center will be two and a half lorbes wide, have the saddler stitch it furth around a common bar bit, with resints of leather ex-For Pige.

Inon bar bit, with resints of testing up over the foreste, and ye is given a few of pige will not be forest. For a four the bar well recorded to they here exists the bar will be the forest the bar will be the bar will be the bar will be the bar of the bar will be the bar of the bar of

FEEDING HOGS.

Slean Food of the Utmost Importance

for hogs is of the utmost importance, tree of good size, so you will especially in hot weather. Still a great have to wait for it to grow. especially in hot weather. Still a great many will often permit the swill have for it to become fifthy. This is very dangerous to the health of the begs during summer. Poubtless diseases often start among many hogs from this source, says a writer in American Agriculturist. There are many ills that affect hogs besides hog choicers although some may think that hog choicers is the only thing to be guard ed against. By the decay of vegetable and fleshy matter various poisons are claborated, and we must guard against claborated, and we must guard against make them live. They cost a little

Rotten swill is unit for hogs as extainly as other rotten food. Some feed their hogs who brought from the cheese factory. Often, as factory men know the whey tanks are very dely, not having been cleaned perhaps for months. The farmers who use this whey should make such a vigo us mosphere wester's cause paint to dry protest natural dirty times that the quickly, is the less time for paint factory men will see that they are ing.

We have contributed a large share and to the other contributed a large share and the contributed as large share and the contr

Some of the factories do not have tanks, but have a row of harmar the factory buildings, into a the whey is run. These are allowed become almost putrid in the hot of summer. They swarm with the many have been visiting the causes of dead hour in the pasture. entires of dead hear in the pusture adjoining forms. Sementines to hogs have died of choicen and times of other contraines diseases is not a difficult matter to clean brets often, and this should by diff is all the easier to de if the choicen have a steam pipe for what has a losse and conduct the steam and a losse can conduct the steam sate the

Protection Against Disease Protection Against Disease.

If disease is to be kept off the form, find of the bors must be carefully writeled, at least in sommer. The matter is and so important in white, as the files are not carrying genus from one place to mother, and continued diseases will not spread with the same rapidity. Animals take in disease germs mostly through their diseases. respiratory organs or through the or-gams devoted to the elaboration of find. If the find is protected, much will be gained in the way of protection against

THE HORSEMAN.

Young foals that are stabled with their dams during cold rainstorms will thrive much better than those which are not so protected. The idea that exposure to inclement weather makes a fool hardy is fallacious.

Toe Much Hay.

One fault with most horse owners is the feeding of toe much hay. A horse will ent more than is necessary, and, ewing to the smallness of his stomach. the partially digested hay is crowded on into the intestines. About three-fourths of a pound of hay per hundred pounds weight of the horse should be fed per day, advises an authority who makes this criticism.

Watering After Hard Work.
Watering your horse after hard work, when heated or exhausted, should be done carefully. Horse differ as men differ; some know when they have had enough and some do not. Let them drink frequently, but not tes much.

Feet of the Draft Horse.

Feet of the Draft Horse. The feet of the draft horse should be hardy round, wide at the hoof head, not loss shallow or too high in the heefs and, allow all, constructed of a good, dense horn, which indicates abil-1.3 to wenr well.

Greating the Feet.

Greating the Feet.
Greating is necessary for horses which are made exposed to dampiness and is as good for the sole and frog as for the wall. It is applicable also to feet which have to stand on dry leading. Feet which, on account of diseased conditions, require to be frequently walked or positived ought also to be greated. Redding of past moss and the susceptive count parts is most. and the sawinst, equal parts, is most excellent. All these measures may be advantageous if the feet are properly shed.—C. B. Wood, V. S.

Horse Sense.
The good habit horse can be spoiled by the bad habit man, With the toun it's spare the curry-comb and spoil the cont. The shevenly driving horse is the

product of a careless driver. You may feed a horse corn to make him fat, but onto are what give him

Reep constantly a good sized lump of rock salt in the feed box for the horse to nibble at pleasure. It will then take just as much as its appetite craves and no more than is needful.

Protein and Its Sources Protein is the nitrogenous part of feeds and is by far the most valuable of the different groups of nutrients its characteristic element is nitrogen The white of egg is almost pure pro-tein. Cottonseed meal and linseed meal are very rich in protein, and so are leguminous bays, such as clover alfalfa and cowpea bay,—John Michels

A Dry Barnyard. A Dry Barnyard.

Have the barnyard well drained. It will be much better for your stock, and it will be economy to have it drained on to a field that can be entificated. Fact a plan enables you to roke a profile carl forance crop by two less corn near the yard, advises binitiall's Dairy Parines. Not Forgetting Your Trees.

Before your leaves fall, select your shade trees in the woods near by In Hot Weather. Oh, it will be a fine October stroll Every farmer knows that clean food you'll have, too. You will select a claborated, and we must guard against these as well as hop choices. There is no doubt that animals as well as human beings are often killed by no maine poisoning.

Avoid Rotten Swill.

Posten swill is must for bogs as very

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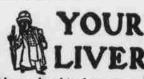
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