

**WHEN YIELDS DECREASE.**

A Lessened Average Per Acre Does Not Always Indicate Poor Methods.  
A decreased average yield per acre in a state does not always indicate poorer methods of farming. It more often means that farming methods are just as good or better, but that less productive land has been put under cultivation. J. C. McDowell of the department of agriculture points out that in districts where commercial fertilizers are not used statistics frequently show that as prices go up the average yield per acre goes down. Better prices for wheat have caused large areas of wheat to be grown in the drier districts of the central west on land that cannot be made to produce large yields per acre. This lowers the average yield of wheat in these states at the very time when the farmers are improving their methods in order to have more wheat to sell at the higher prices. In this way increased prices often lower the average yield of farm crops over considerable areas by bringing what was formerly unprofitable under successful cultivation.

The extension of agriculture into regions that formerly could not be farmed at a profit may be due to a variety of causes, among which may be mentioned higher prices, better cultural methods, more efficient machinery and immigration due to a general increase of population. All these factors combined to push both the corn belt and the wheat belt farther and farther west, thus developing large areas of land that had previously been considered worthless. The decreased average yield of corn per acre in some of the western states is perhaps due more to increased acreage than to depletion of soil fertility.

**SAVING RASPBERRIES.**

Cultivation in Late Fall and Early Spring Kills Worms.  
Wormy raspberries, still fresh in the minds of the pickers, are fortunately not a necessary evil. Berries which are infested with raspberry fruit worms cannot be shipped any distance. They make the box unsightly, soon fall apart and require unnecessary work of the housewife.

During the picking season and immediately after the season's close the worms drop to the ground, where after about six weeks they change to helpless, delicate pupae. In the spring they transform to small, adult, brownish beetles about one-seventh of an inch long. Being hungry, they immediately chew elongated holes in the young, tender leaves and later make holes in the buds. Often from 10 to 15 per cent of the buds may be destroyed in this manner.

Since the insects are helpless in the ground, cultivation in the late fall and early spring will kill many of them or expose them to their enemies. They can be killed also by spraying with four pounds of lead arsenate paste to fifty gallons of water the first or second week in May, when the young plants are about six inches high. It is important to have all neglected wild bushes destroyed, for these serve as breeding grounds.

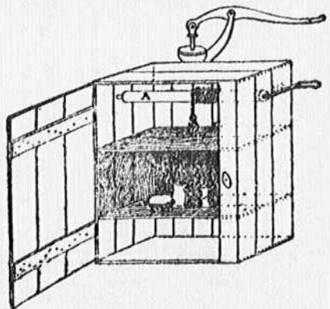
**Covered Yards Save Manure.**

Professor Roberts, formerly of Cornell, was a strong advocate of covered barnyards for the conservation of manure. This system is advocated by Professor Frazier of the University of Illinois. Covered barnyards are sheds with good roofs, with or without sides and large enough to allow the cattle to move about freely. The bottom is puddled clay or cement. The manure removed from the barn is spread about and sufficient bedding distributed over the surface to insure cleanliness.

The animals tramp the accumulating manure into a compact mass and keep it moist by their liquid excrement. This assures an excellent manure, with but slight losses of plant food. In addition it affords exercise and a healthy environment for the animals in severe weather. The plan has been tried by many dairymen and is generally considered satisfactory. It is said that the cows keep cleaner than when stabled, and the milking barn is more sanitary.

**An Iceless Refrigerator.**

The accompanying illustration shows a simple refrigerator suitable for any ordinary dooryard well. It is nothing more than a box with a hinged door, constructed on the well platform. It contains a small windlass (A), fitted with a ratchet and rope for raising or



lowering the shelves in the well. Milk, butter and vegetables are placed on the shelf and lowered down near the water, where they are kept as nicely as in a city refrigerator. The size of the shelves may vary according to size of well. The height of the box should be about three feet at least so as to give plenty of room for placing the material on the shelves. The windlass may be made from a small pole and the remainder of the refrigerator constructed of ordinary material.—Iowa Homestead.

**TEST CRIMSON CLOVER SEED**

Samples of lots of crimson clover seed tested recently by the department of agriculture usually have contained about one-third of dead seed, and in many samples more than two-thirds of the seed was dead. It is important, therefore, that farmers know the quality of the crimson clover seed they intend to sow. Every lot of seed should be tested for germination and then seeded heavily enough to insure getting a stand. If the present supply of seed of low germination is sowed without testing and at a usual rate of seeding poor stands and failures will follow even under favorable weather conditions.

**DWARF HEGARI KAFFIR.**

A Sorghum Introduced Into This Country From the Sudan.

The agronomy department of the Oklahoma Agricultural college receives many inquiries as to Dwarf Hegari Kaffir. A. Daane of the department of agronomy says the following information, taken from a government report, is an excellent treatment of the subject:

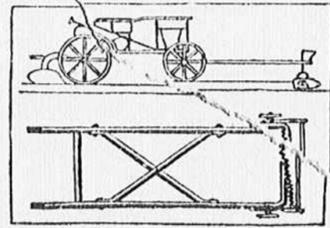
Dwarf Hegari is a sorghum that was introduced into the United States from the Sudan region of Africa in 1908. It is native in the same part of Sudan as Feterita and is known there by the natives as Hegari. A dwarf strain was obtained by selection at the Chilli-cothe (Texas) field station, and this selection was given the name of Dwarf Hegari in order to distinguish it from Dwarf Black Hulled Kaffir, which it resembles very closely. The leaves are numerous and large, like those of Kaffir. The stem is not so thick, but is more juicy and sweeter than the stem of Kaffir, and it bears a uniformly upright seed head very like that of Kaffir in shape, but looser. The seed is a trifle larger than black hull Kaffir seed, but intermediate between it and Feterita seed in size and also in hardness. Dwarf Hegari under ordinary conditions grows to a height of four to four and one-half feet and matures in ninety to a hundred days, a little earlier than the dwarf milo. It withstands drought as well as the latter and produces an equal yield of grain. Its short growing season allows it to be grown well north in the Great plains, and in the southern part of this region it produces two crops of grain in one season when late rains are abundant. It is adapted to Texas and New Mexico, western Oklahoma, Kansas and Nebraska and eastern Colorado. The fodder yield is not equal to that of black hull Kaffir, but is better than that of dwarf milo.

**Rate of Seeding Wheat.**

Experiments conducted by the Ohio experiment station during seventeen years and including eight different rates of seeding with ten varieties of wheat show that eight pecks to the acre give the greatest net yield of grain. Figures given in the station's monthly bulletin for August point in general to a gradual increase in yield from the use of three pecks to nine pecks per acre, but seeding more than eight pecks to the acre has not paid for the extra seed.

**Useful Device on Tractor.**

It is stated that this device automatically steers a tractor and keeps its direction parallel to the furrow. It is a rectangular frame, which at the rear



is attached to the front wheels of the tractor and at the front is supported by two wheels, one of which travels on the unplowed ground and the other in the furrow. The furrow wheel has a shield, which is kept bearing against the land side by means of a strong spring. This arrangement keeps the new furrow parallel to the old one.—Wisconsin Agriculturist.

**ORCHARD AND GARDEN.**

Spray orchard and garden crops with Bordeaux mixture.

Cut asparagus tops as soon as dry and burn them; they harbor insects. Keep celery growing rapidly. Keep out weeds and give plenty of water. If red spiders appear on evergreens spray frequently with a good insecticide.

Watch for two legged marauders in the melon patch. It may be necessary to sit up nights, but it pays.

Instead of sprinkling the garden, dig ditches between the rows and fill them with water two or three times a week. Keep the fallen fruit picked up.

Usually contain grubs of insects and by killing these next year's crop dangers will be lessened.

Onions have stopped growing pull them and lay them on the ground to ripen. When the tops are dry twist them off and store the bulbs.

Light appears gray with 5-50 lb. spray mixture.—University Farm, Penn.

**DON'T BE BALD.**

Here's a Good Way to Stop Loss of Hair and Start New Hair Growth.

If the hair root is absolutely dead, permanent baldness will be your lot, and you might as well cheer up as to bemoan your fate.

If your hair is falling or thinning out, don't wait another day but go to Laursen Drug Co. and get a bottle of Parisian Sage, the truly efficient hair grower.

Don't say, "It's the same old story; I've heard it before," but try a bottle at their risk. They guarantee Parisian Sage to grow hair, to stop falling hair, to cure dandruff and stop scalp itch, or money back.

Parisian Sage contains just the elements needed to properly invigorate and nourish the hair roots. Its a prime favorite with discriminating ladies because it makes the hair soft, bright, and appear twice as abundant. It is antiseptic, killing the odors that are bound to arise from excretions of the scalp and, as everyone knows, sage is excellent for the hair and scalp.

Parisian Sage is inexpensive and easily obtainable at drug and toilet counters everywhere.

**FINAL SETTLEMENT.**

Take notice, that on the 20th day of October, 1916, we will render a final account of our acts and doings as Executors of the estate of J. H. O'wings, deceased, in the office of the Judge of Probate, of Laurens County at 11 o'clock a. m. and on the same day will apply for a final discharge from our trusts as Executors.

Any person indebted to said estate is notified and required to make payment on that date; and all persons having claims against said estate will present them on or before said date, duly proven or be forever barred.

J. C. O'wings,  
R. C. O'wings,  
Executors.

Sept. 20, 1916.—1 mo.

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says Mrs. Sylvania Woods, of Clifton Mills, Ky., in writing of her experience with Cardui, the woman's tonic. She says further: "Before I began to use Cardui, my back and head would hurt so bad, I thought the pain would kill me. I was hardly able to do any of my housework. After taking three bottles of Cardui, I began to feel like a new woman. I soon gained 35 pounds, and now, I do all my housework, as well as run a big water mill.  
I wish every suffering woman would give

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**LAND SALE.**  
State of South Carolina,  
County of Laurens.  
IN COURT OF COMMON PLEAS  
The Union Central Life Insurance Co.,  
Plaintiff  
against  
John D. Terry, et al, Defendants.  
Pursuant to a Decree of the Court in the above stated case, I will sell at public outcry to the highest bidder, at Laurens, S. C. on Saturday in November next being Monday the 6th day of the month, during the legal hours for such sales, the following described property, to wit:  
No. 1.—All that lot, piece or parcel of land lying, being and situate in Waterloo Township, County and State aforesaid, containing one hundred five and four-tenths (105 4/10) acres, more or less, bounded on the north by other lands of J. D. Terry and lands of A. G. Irby, on east by lands of J. M. Philpot and J. P. McDaniel, on the south by lands of J. R. McDaniel and H. Y. Boyd and on the west by lands of A. G. Irby. The more exact distances, metes and bounds will more fully appear by a plat of a survey made by H. R. Todd, surveyor, under date of Jan. 21st, 1913, reference thereto had.  
No. 2.—Also all that tract of land adjoining the above tract and containing nineteen and 82-100 acres, more or less, facing on the public road leading from Laurens to McDaniel Mill, bounded on north-west by said public highway and lands of W. L. Gray, on the north and north-east by lands of Will Terry, on the east by lands of Will Terry, on the south by J. D. Terry tract above described and lands of A. G. Irby, and on the south and south-west by lands of A. G. Irby. The more exact distances, metes and bounds will more fully appear by a plat of a survey made by H. R. Todd surveyor, under date of July 28th, 1913, reference being thereto had.  
Both the above tracts containing one hundred twenty-four and 86-100

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in goodness and in pipe satisfaction is all we or its enthusiastic friends ever claimed for it!

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