

HEN TEETH.

Funny that a ben gathers her teeth off the ground and chews with them in her gizzard so far from her mouth!

A human loses his grinders one by one, and if it wasn't for store teeth he would spend his latter days gumming grub; but, although a ben gets as old as Methuseiah, she can pick up a new set every day of her life.

Her digester is like an old time paddle wheel gristmill,

The crop is the hopper that holds the grain; the muscular gizzard holds and



Photo by C. M. Barnitz.

GRANITE CRYSTAL GRIT. turns the stones between which the

And just as that mill could not grind without the great, round, revolving stones between which the grain was

ground, just so a hen cannot grind her feed or digest without grit,

Some solls have abundance of good gravel; on others it is too soft or lacks rertain mineral elements or too much of one, as in a case near by, where the gravel contains so much iron that the plumage becomes pink.

Some solls have little gravel, and in winter, where snow covers the fields, grit must be supplied to poultry.

Real grit does not wear round and smooth, but keeps its cutting edge, and, though broken into smaller crystals by continued action, it cuts to the last,

It contains certain elements, such as ron, silica, atuminium, mica, lime,



Photo by C. M. Barnita

GOOD SEIT HOPPER.

which tone up the system and make bone and eggshell.

The New England quarries afford the est in the form of granite crystals.

Cont ashes, oyster shell, broken crock ery and glass are poor autotitures, glass being dangerous.

Grit comes in three sizes for chicks. ducklings, turkey poults and pigeous, for half grown fowls and for hens. turkeys and ducks, so be sure to give your fowls teeth that St.

Don't weep and wall because you fail. Just think how often when a kid the funny tumbling stunts you did and when you tried to learn to talk. Oh. goodness, what a funny balk! So do not let those failures stop your prog ress upward to the top.

Don't forget that enthusicam is nee essary to success in poultry. If you are not chicken cruzy you are upt to

Don't try to convince a poultry pessimist with words. If you should diag nose his head you'll find it just like hard pig lead, so what's the use of tak ing pains to convince fellows without

Don't criticise an institute lecturer

because he states something you know. You will find enough to occupy the time asking him questions about what

......................... DAIRY WISDOM.

Keep up the brushing after the cows go out to pasture. There will siways be some fittle stuff clinging to the cow's side where she has tain down on the ground

Use only a thoroughbred butter bred sire for next year's crop of caives. The stm should be to make each heifer better than her dam.

The young cair's stomach is sensitive, and good results can only be had when the milk is fed at blood beat, or the temperature that it comes from the cow. It pleases the cow to be milk-

habit of giving down promptly, it is often the slow milkers that make the strippers. tientieness and patience are always important in the dairy

barn, but doubly so when han-

dling the young betfer.

ed quickly and gets her in the

****************** ANIMAL ODORS IN MILK.

of Dairy Cleanliness. To find out how animal and stable odors get into milk one may take two one pint glass fruit jars, wash them perfectly clean, adjust the rubber rings, screw the covers down and take them to the stable at milking time. While the air in the stable may seem to be moderately pure, it is probably not better than the average in such buildings. As soon as a cow has been milked the jara may be filled twothirds full of the warm milk, the cover of one screwed on tightly and the jar at once submerged in very cold running water until thoroughly chilled, when it should be placed upon a shelf until morning. The other jar should be allowed to remain open on a shelf back of the cows until after supper, when it should be closed up for the night, writes S. Van Allen in the Farm

In the morning shake both jars, open and test for odor. No mistake in determining which one was left open need usually be made. In fact, you may call in an outsider who can detect the odor in the one without knowing the previous history. The sample which was chilled may also have an odor, but not an objectionable one. Each sample may then be poured into a gians flask and slowly beated. As they warm up the opened one will give

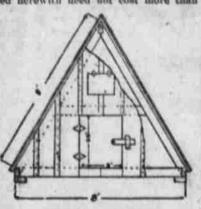
other, or the chilled jar, may show tollon of the calf. This last is of gree nothing offensive during the heating in fact, it may give off a rather clean, pleasing odor, such as emanates from pure milk while being heated.

The deductions from this simple test are that the odor imparted by the cow to the milk while yet in the udder was not, at least, of such a nature or of sufficient quantity to demand aeration but how about the milk which stands open about the barn for some time and draws odors from without as well as from the cow? This simple test will tend to show any person how carefully wilk should be handled at all times in order to evade the impurities to which it is so semilive.

A Portable Hog House.

mribed was designed by W. E Metloy, College of Agriculture, Ohlo State university:

The portable bog house provides a natural and sanitary system of housing awine, as it can be moved from place to place whenever desired. Furthermore, it is easily and economicalconstructed. The house illustrated herewith need not cost more than



PORTABLE ROO HOUSE.

\$10 or \$12 where all the material is purchased, and where odd tumber is utilized the cost can be made much A suggested till of material is as follows:

Runners, 2 pieces, 2 by 6 inches by 16

Frame, 2 places, 2 by 4 inches by 5 feet; 2 places, 2 by 4 inches by 5 feet; Biding, 15 pieces, 1 by 12 inches by 16 feet; 12 pieces, 1 by 2 inches by 16 feet.

Hinges, 4 Nalls, I pound twentypenny, I pounds eightpenny, I pounds fivepouny.

Treatment For Caked Udder,

When a cow has a badly caked adder she should be fed a cooling ration of roots, brun mash and good bay. A tablespoonful of saltpeter will also be beneficial. She should be watered at least twice a day, and if the "cake" feels warm bothe it in rather cold sait water, afterward rubbing dry. In per sistent cases, bowever, the "cake" will feel cold. It should then be bathed in very warm salt water. While bathing off a noticeably offensive odor, which and at other times milk vigorously, entirely dissappears a little inter. The, pushing upward with the hand in imi-

importance. If the tests are filled with milk and a portion of the bag caked before the cow freshens the affected part should always be milked out at once. Delay in this is what causes so many cases of bad's caked udder .-American Cultivator.

Don't get rattled and throw out eggs because they don't batch right when you expect them. They are some times delayed, so don't be dismayed.

Don't bother building your own in cubator. Such homemade machines seldom work or pay, make people swear and often blow up.

catalogue descriptions. The more ad jectives you see in an ad, the more likely you'll be sold bad.

Don't waste life kicking. Human Butles are fools. Don't cut down feed because it is

high. If your bens do not pay ex penses and a reasonable profit change stock, onless the man is the stum bling block.

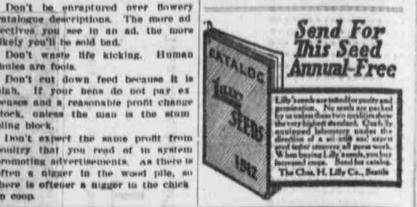
tion't expect the same profit from poultry that you read of in system promoting advertisements. As there is often a nigger in the wood pile, so there is oftener a nugger in the chick en coops

NEW CROOK COUNTY MAPS

The Bulletin has in stock a number of the new Crook county white print maps, showing all roads, rivers, irrigated lands, towns, township and section lines. The maps are bigger and more comprehensive than any other maps and are carefully printed on heavy white paper. They retail at \$1.00 each, postage 10 cents. If

NOTICE TO CONTRACTORS.

Anyone wishing to bid on the new Presbyterian church, please see Rev. 1. I. Gorby, who has the plans and specifications.



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