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POULTRY STOCK RAISING

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# FARM

FIRST FOUR WEEKS VITAL TO CHICKS

Start of Life Everything in Flock's Success.

"Let me control a child's surroundings, teaching and care for the first seven years, and I won't worry about what will happen after that," a noted religious leader said.

The same could almost be said for raising chickens, provided you shorten the important period to a month. Of course, there are numerous diseases and parasites that can kill or stunt or destroy profit after one month of age, yet success with poultry is more often made or marred during the first month than during the rest of the whole raising process.

There are so many things that are tremendously important during that time that lose their importance later. Teaching good habits, such as roosting where they belong, eating and

drinking out of clean containers only, keeping busy with food and litter instead of picking and fighting each other, come easy during those first few weeks, but hard afterwards. Failure to get the brooder house cleaned and litter renewed every few days is vital those first few weeks, but it not a serious omission after the chicks are a month old, if they are properly trained as to eating, roosting and playing .- J. W. in Wallace's Farmer.

#### All-Year Layer Counts

to on Poultryman's Books The average hen eats 75 to 90 take the place of one pound of other pounds of feed per year, according to supplements. data kept on large flocks. The size of the body counts some and a heavy layer, will eat more than a poor layer, but the poor producers don't eat enough less to offset the difference in the cost of "keep." The hen that lays no eggs at all through the winter requires nearly as much, just for body maintenance, as the one that lays just enough to pay her way. The latter may lay eggs enough during the spring and summer to make her profitable to keep, while the one that lays no eggs during cold weather is not worth boarding for half the year in order to get eggs in the spring.

winter layers has a very positive effect | \$28.78 a cow profit, on the yearly balance, - Nebraska Farmer.

#### Soft-Shelled Eggs

suspect that they are not getting the crushed oyster shells that form a necessary part of poultry rations. An occasional egg of this kind may mean distribute the load.—American Agrinothing more than an production.-Rural New-Yorker.

Keep Birds Healthy Most of the destructive fowl dis rled through droppings, either of do-

and the prices of all poultry meet held | Prairie Farmer. up falrly well all summer. Feed prices also were cheaper.-Exchange.

#### Dried Milk With Grain

Dried milk fed with grain rations has about equal value for chicks as whole liquid milk and is fed with less loss and less danger of attracting files. A flaky product rather than a too finely ground dried milk powder is preferable. Meat scrap and dried skim milk

#### Grain Ration for Ewes Is Advised

Addition Found Profitable During Last Weeks of Lamb-Carrying.

In periods of low prices it is essential for sheepmen to save every lamb born, according to L. A. Kauffman, extension specialist in sheep for the Ohlo State university, who says that no other factor is as important in determining income from the flock than is the percentage of fambs born and ralséd.

Lambs born from vigorous, healthy ewes, he points out, have a much better chance of reaching maturity than those from weak, poorly fed ewes, If no grain has been fed the ewes, some can well be added to the ration during the hist few weeks the lamb is carried. This helps insure a strong, well-developed lamb and a good flow of milk from the dam.

The kinds and amounts of grain to be fed depend upon the hay available and the condition of the ewes. With high quality legume hay, onto is suffi-cient. However, a mixture of grains is preferable. One pound of protein supple to seven or eight of grain usually will suffice. With mixed hav more protein is needed, and it is a good idea to feed one pound of supplement to six pounds of grain. The grain mix ture used where timothy, corn stover, or other low protein roughages are used, should contain one pound of proteln supplement to each four or five pounds of grain.

Among the protein supplements that are best to feed at the present time, Kauffman believes, are soybean off meal, cottonseed meal, linseed meal, dalry feeds and bran. Any of these are suitable to balance farm-grown grains, but twice as much bran or low analysis dairy feed is required to

#### Kansas Producer Shows How to Make Beef Pay

Fred Morgan of Alta Vista, was the champion beef producer of Kansas in 1930. His 18 Hereford calves made an average daily gain of 2.18 pounds for the 291 days from their birth to mar-They sold for \$13.60 a hundred. a dollar above the market, December 1930, and dressed 58.3 per cent, and their carcasses graded choice to prime. The feed cost for each calf was \$27.88, which deducted from the selling price of \$96.66 leaves \$68.78 to pay all other The only hens really worth keeping costs and return a profit for keeping the cow. Feed, pasture, bull service. year except during the molting period. interest, taxes and depreciation cost four months, as water and milk often unly substituted for the whole. Continual culling to eliminate poor Mr. Morgan \$40 a year a cow, leaving

Apple Trees Need When pruning young apple trees It is well to keep in mind that when Soft-shelled eggs may result from mature, the tree may be called upon tack of lime in the ration, a defect to carry as high as 30 bushels of apthat can be corrected by keeping ples, which will weigh close to three crushed oyster shells before the hens, quarters of a top, on the ends of its quarters of a ton, on the ends of its or it may result from some ineffi-ciency in the egg producing mechan-ism of the hen that is hard to assign a cause to.

Alfalfa or clover leaves from wellcured hay supply needed lime and
minerals and cod-liver oil and direct

a cause to.

The rime to huild a strong framework
is when the tree is young. Avoid
opposite branches of approximately
equal size. If necessary, trim one of sunlight that does not come through them back so that the other will grow glass helps in the utilizing of the lime more rapidly. It will also pay to bear and other minerals in the food, If ip mind that where All the branches the hens are laying soft-shelled eggs are trimmed out of the center of the at this season of the year, I would tree the fruit is forced to the outside

#### Reduced Pork Costs

Third fed limited rations proved Most of the destructive fowl dis more efficient in the utilization of cases are of bowel origin and are cost their feed than did those fed a full ramestic fowls or wild birds, and of the locands of gain and producing some latter principally sparrows. These lit what leaner careasses in tests carried the pests also are impartial distribution by the bureau of animal industry. tion, requiring much less feed per 100 tors of mites if permitted to nest about United States Department of Agriculthe buildings.

It is possible to maintain healthy limited feeding of swife may be a It is possible to maintain healthy limited feeding of swine may be a profitable flocks if due attention is practical and efficient method of regiven to the control of parasites and ducing pork production costs when the prevention of disease. Many have inhor cost and market situation are d 1931 a profitable season, despite tavorable, or when a predominance low price of eggs. Brofter prices of leaner cuts of pork are desired.—

Soil for Garden Light sandy soils are beneated by working clay and humus into them. They require attention in this regard for several seasons. They must be dug deeply and unless the slope of the ground provides natural drainage, the main hope of getting them into really first class shape is under drainage. However, they can be worked in combination with the standard Wis - Into condition to grow good segetables raw bone may then be omitted. But Study soil needs now and be prepared when the liquid milk is used the raw to build it up when you start garden bone ought to be included.-Wisconsin toperations this spring. Good soil is the first requisite of a good garden.

FIGHT LOW PRICES BY CULLING COWS

Illinois Dairymen Get Rid of Low Producers.

Illfnols dalrymen are setting new speed records in gerting rid of lower producing cows, as a means of meeting present prices save C. S. Rhoge dairy extension specialist of the University of Illinois. Efficiency of production is being speeded up to what is expected to be a new high mark, he reported.

Members of the McHenry County No. 1 Dairy Herd Improvement assoclation culled out 20 cows in one month. That same month more cowswere culled from herds in the Living ston county association than had been culled in any one month during the past two years. Sixteen cows out of LaSalle association herds have been sent to the butcher. One member in that county sold five of his lowest producing cows and thereby cut the feed cost of producing 100 pounds of milk 14 cents and the cost of producing butterfut three cents a pound.

Members of the Kane County No. 2 Dairy Herd Improvement association set the pace in reducing costs and lowering surpluses by culling 24 cows in one month. This was more than any other association reported.

Dairymen belonging to a dairy herd improvement association have an advantage over other herd owners when It comes to culling, for they know just each cow is producing and can weed them out accordingly. Another thing, they feed and handle the cows that are left according to the latest recommended methods.

#### Be Sure Separator Is

Working as It Should The skimmilk should be tested for butteriat at least once a month. This is the only way by which the skimming efficiency of the separator can

be determined, as things can go wrong very quickly under certain conditions. Many separators apparently in good conditions are wasting enough butterfar to pay for a new separator every two years. The separator should be kept well oiled, the oil cups attended to before

splash basin changed at least every mixed with the oil and destroy should receive the skim milk there should receive the skim milk there should receive the skim milk there should receive the skim milk there. rvice man go over the machine at gular intervals to see that it is kept old. in first-class condition; as a few small repair parts and frequent inspection will often keep a separator doing firstchass work for fifteen or twenty years. American Agriculturist.

#### Successful Management

Dairy farmers, heing manufacturers of essential food and other products, are interested in the same fundamental problems of production and distribution as are other manufacturers. The most successful dairy farmers strive to keep the cost of sultable row mate rials (feed crops) as low as possible. Being co-partners with nature in the manufacture of a large part of these raw materials, they recognize the impertance of their own responsibility crops grown for feeding purposes. Successful dairsmen study the ap

in order that they may get their oregon has 510,000 beer cattle, or capital investments is important in tenths persons.

Of Color in Kitchen ustry and this is true also in agridissipation of his capital investments seven-tenths persons.

#### Skimmilk for Cows Skimmilk can be fed to dairy cows an the bed cattle to the country. economically in the areas where it is a surplus product, state lowa State college authorities. It can be used as a supplement instead of oilmeals when fed at the rate of eight pounds of milk-displacing one pound of linseed or soyhean ollmeal. The best way to feed it; is to weigh the feed and the milk and pour the liquid over the grain. When the grain is fed on top of slinge there will be no lost of milk.

With Ilnseed oliment worth \$2 a hundredweight, the skimmilk is worth 21 cents a hundred pounds. With soybean oliment at \$2.50 a hundredweight the skimmlik is worth 23 cents a hun-

#### Good Results From Changing Hog Lots

Colorado Farmer Found It Saved the Pigs.

Frank Austin, Colorado farmer, has found that it pays to change his hoglots frequently, if large litters of healthy pigs are to be grown success

Two years ago he was almost discouraged with hog raising, he told George Henderson, county extension agent at large for the Colorada Agricultural college. For years he had been producing hogs, but of late his

returns were very small.

He got rid of most of his sows, but one of the few he kept he decided to move across the road to some new ground. There she farrowed a litter of ten pigs and saved all of them;

That's the way I used to raise them when I first started," Austin said "Changing lots for pigs certainly worked that time."

Last year he took all his sows across the road and put them in clean pens to farrow. It worked again! Now Austin has about 80 healthy,

fat, 200-pound, porkers ready to sell

He raised these from only 12 sows. That was no accident, for 31 other eastern Colorado farmers owning a toful of 635 sows saved 4,125 pigs, an average of six and one-half pigs per lit ter. Every one of these 31 farmers changed their hog dots at least every two years!

#### Clover Yield Increased

by Cutting First Crop The yield of red clover seed can be increased by cutting the first crop when the plants are coming into bloom, rather than later, according to the Ohio experiment station. Cutting the hay crop early, so as to give the second or seed crop a good chance, is the one important factor in increasing yield which is within the grower's control. Important factors beyond his control are favorable weather and plenty of bumblebees or other pollinating insects. Early cut hay is more difficult to cure and the yield is somewhat less than later cut hay, but the feeding value per ton is greater than that of more mature hay.

#### Proper Calf Meals

A four-month-old calf can be made to thrive on calf meal as a part of its ration without milk if the meal is properly balanced, says the Idaho Farmer. It should receive whole milk separating, and the oil in the from its mother for two to four days.

causing offensive smells. Any vi. During the second two weeks the meal bration or wabble in the spindle or bowl should be watched for and remsedied of once as this interferes with proper separation. Have the factory creased to two pounds at two months

### Weeds on Rough Land

One of the difficult questions asked is: "How are weeds to be controlled on rough land which cannot be culc vated?" The hawkweeds, dalsy and blue weed are gradually getting worse and land first used to make good pasture is hopeless today. In some cases, hand-picking, spading out, applying salt, waste oil or chemicals to small patches, close pasturing and planting back to trees are recommended. One man who had a rough, hadly infested Olk by hand and whose work is de manure be was, able to stimulate the growth of grass so that it gradually killed off the weeds,

# Washington has 285,000 heef caltily preventing the escape of oil, or one beer cuttle to every five and

dominating position in agriculture in the whiter of peer carde, having 24, 633,000 beef cattle, or 681/2 per cent of

#### Agricultural Hints ... "Suppose," writes Miss Thornley. "a The feeding value of barley is higher, dieb that of bank heard too beautiful

Leaving machinery standing out down profit. All peds for new planting should be

dairy cows.—Prairie Farmer. sheep shorn last season, 5,000 less than beauty arsenal."

But such a kitchen might stun some the home to have an accident.

### Cottage Type Stucco Bungalow Is Attractive and Comfortable



This bungafow is a combination of stucco with a tile roof. The contrast, between the stucco and the tile roof is very attractive. This bungalow contains five rooms, all of them of good size. How these rooms are arranged and the size of each are shown on the floor plan. This is a very excellent design for a family that wants an unusual bungalow home,

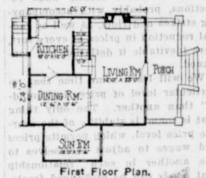
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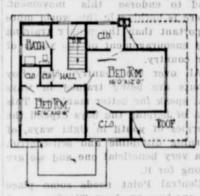
two-cent stamp for reply.

The story and a haif type of home is always, attractive in appearance. because it is rather low and has a graceful attractive sweep to the roof. In order to give the extra rooms in the second floor there usually are gubled dormers which add to the exterior appearance. In the accompanying illustration is shown a good type stucco, story-and-a-half house which somewhat resembles a hungalow.

This home is practically square, being 26 feet long, exclusive of the sun parlor, and 24 feet deep. It contains



five rooms and bath. The living room extends the width of the house and is 12 feet wide and 23 feet long. At one end is an open fireplace. The dining room is back of the Hving room at the left and is connected with it by a cased opening which gives spaclousness to both rooms. Coupled with this attractive feature is the sun room which is connected with the din-



Second Floor Plan.

ing room through double french doors. The kitchen adjoins the dining room at the back corner. A glance at the floor plans will show how attractive and comfortable this room layout is. The second floor plan shows the arrangement of the two bedrooms, one in the end gable and the other in the dormer at the front. The bath room occupies the other corner of the second floor, STI SKIH KOITA MINI

The combination of stuccoed walls with the tile roof, which forms a striking contrast, is very attractive. The wide porch with the substantiallooking pillars supporting the overhang of the roof is another excellent feature of the home,

How susceptible this house is to planting of shrubs and flowers is shown in the exterior view.

#### Calking Window Frames Conserves Indoor Heat

Calking, or the stuffing of cracks equally effective in obtaining the elimination of heat loss and stopping the inflittation of cold, soot-laden air. dust strenks which are often visible on the inside walls around the window and door frames of buildings to obinin exidence of this leakage which necessitates the application of a calk-Ing compound.

As the compound must be forced into and not onto the joints it is a man-sized job and should be done by hand rather than by a "gun," One company specializing in this work maintains an installation crew who

The material used is an elastic, durable, adhesive and noncrumbling compound that petains its plasticity after Beef Cattle Statistics ab long forms over the exposed surface,

## of Color in Kitchen

California has 1,205,000 beef cattle has invaded the field of kitchen equip The farmer who permits the or one beef cattle to every four and ments and is becoming a standard recommendation of architectural exsoon is without The INAH Artis twenty bental states would the Operts. The general color scheme of a kitchen, however, does not need to take account of "smart trends." In fact, Miss Betty Thornley of Collier's Weekly insists that the Mirchen should mirror the personality of the woman who decorated it to soil berself.

woman never gets enough color ip ord! nary life-how shout yellow walls in the kitchen, above a black Unoleum floor? The woodwork will be reliew too, with moldings picked out in red. A yellow kitchen cabinet, red saucepans and teakettle, red olicioth curtainsand here's where we'll wear white prepar d as soon as possible. The soil should be speeded deep and lefte in a well proverized condition.

Wisconsin's wool clip of 1931 was mirror in a good light, with a shelf Reimpilk is worth more for hogs than in 1500. There were 425.000 with powder and all the rest of our

women, as too colorful. In that case they should consider white walls with dark blue woodwork, blue and white linoleum on the floor, white curtains with red edges, cupboards and kitchen cabinet in blue and white with red inside. Blue pots and pans, or shiny aluminum.

Another colorful kitchen recently installed by a prominent interior decorator has white walls and brilliant yellow woodwork, a red linoleum floor in solid color, red and white gingham curtains and yellow pots and pans. Another begins with walls of powder blue abo e a floor of gray, black and white checked linoleum; the woodwork is white, the curtains pink volle,

Housewives are constantly discoverkitchen. A bakeshop in Columbus, Ohlo, makes colored brend, and its postel shades have given appeal for afternoon tes tannish their so also have the red and orange losses, but the general public preference is for blue. On patriotle holidays, the shops sols bread striped the colors of the fag.

#### Adequate Home Wiring

Found to Pay Dividends Electric wiring, like the plumbing system, should be built into the home for lifetime service. Lifetime wiring. pays because it dispenses with costly repairs and additions later on As comfort and conveniences are generally worth more than they cost, the Installation of a complete wiring system that will take care of all has mediate and future needs is a form of economy.

When one stops to consider the ever increasing number of electrical conveniences that are becoming everyday necessities in the modern home. the value of complete wiring service. becomes apparent. And when one also considers the amount of labor spared the housewife by these conveniences, the cost of wiring seems cheap. The factor of safety that is assured with adequate wiring in not a matter to be lightly dismissed. It would be interesting to know how many accidents are prevented each year securise of the ability of the present day home owner to switch on a a light before entering a room. The