JUNDED 1800

1 of feeding s when they estion, etc. ged by what or example. a quart of lish of grain ed to gobble to suppose ys kept full nselves, but ; is not the r eat a little never much or bugs and ed twice or lich are fed a day, will e dry grain

iens will lay en a poultry nges to dry nly changes eggs. Each 1 as the old ·tion. lat a larger ed dry feed ls; hundreds corn meal le grain, if l free range. hod of feed.

nade of an any length to eat from de is a good usually by o high it is nches. All c is a frame vindow and should be ove up and quarter of round and full of grain is the grain the fowls Laths can tead of the tion to this n the fowls one would h which it in a buildp the fowls cannot get

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MAY 1, 1907.

THE FARMER S ADVOCATE

Increasing The Egg Yield by Selecting the Stock.

The Maine Experiment Station has for some time past given attention to the poultry industry and commenced investigations in breeding poultry to learn if the egg laying capacities of hens could be and scalded, great care being taken not to dis-and scalded, great care being taken not to dis-add to butter, and the amount of salt retained in the butter when finished, will be comparatively practical purposes. The work was begun eight years ago, by taking a stock of Barred Rocks that had been averaging about ten dozen eggs a year, per bird,

During the seven years which have elapsed since the work was begun every generation of pullets has been subjected to rigid culling by trap nests and no For the last two years the average egg yields of the water method is preferable. flocks have been twelve dozen eggs per bird. While the increase of two dozen eggs per bird may in a measure be the results of improved methods of feeding and handling they feel very sure that it is chiefly due to the rigid exclusion of drone blood.

There is nothing new in the plan pursued. It is insures extra keeping properties. only breeding producers to the sons of producers, laying hen as it has with the dairy cow and trotting horse, and all other classes of improved animals.

The general use of the trap nests by small operators is not urged, because of the expense of equipping may be required to produce the same quantity and operating. Anyone who is at all familliar with of cream. poultry can go among the pullets on the range in autumn and pick out the ones that are laying, or about doing so, and save them for the next year breeders. Twenty-five pullets picked out in this way from among a hundred in the station flock, averaged 180 eggs each in a year. While this method is not are: (1) to impart a desirable flavor; (2) to increase

Keep Charcoal in the Pens.

diarrhœa.

guard against diarrhœa by giving more charcoal in the butter. The salt-content of butter may vary the mash; then you will notice that the droppings between nothing and 4 per cent. Butter containharden and the bowels resume their natural and ing as much as 4 per cent. salt is, as a rule, too highly More little chicks die from diarrhœa than any other distributed. complaint; the use of charcoal is of assistance in rearearly age.

Charcoal is not a drug; it is a natural purifier from which no bad effects can result. Feed in the mash and in hoppers same as grit and shell.—*Farm Poultry*.



advanced and become a fixture in a family of birds. turb the cream on the top of the milk. Scalding the butter when finished, will be comparatively The aim was not to make a few phenomenal layers, is carried out by placing the pans on a hot-water uniform. but to increase the average yields of the stock for stove and allowing steam to play upon them. It sho stove and allowing steam to play upon them It should be mentioned in this connection that until, in not less than half an hour's time, they salted too heavily. Butter made from a rather been averaging about ten dozen eggs a year, per bird, have attained a temperature of 175 to 180 salted too heavily. Butter made from a rather and by the use of trap nests, selecting the hens that degrees F., when they are removed, and either ingly heavier. This is due to the fact that the heavy laid 160 or more eggs and breeding them the follow- allowed to cool naturally, or are cooled by placing salty taste covers some of the undesirable flavors ing year to the sons of other hens that had laid 200 them in a stream of cold running water. The in the butter. If the butter flavors are good, they scalding should not be done too quickly, otherwise should not be hidden by a heavy salty taste. If the characteristic scald flavor is not produced. the butter flavors are poor, then it may be policy The heating may be carried out by placing the to partially cover them up with a medium-heavy bird with a record of less than 160 eggs has been bred. pans on a kitchen range or hob, but the hot- salty flavor.

> 4. When cold, the cream may be taken off in a thick, clotted condition, and is ready for sale. In summer it is especially advisable to cool the pans as quickly as possible after scalding, as this

The cream is generally sold by the pound. to get producers, and it has proven as true with the One pound of cream may be obtained from one and one half gallons of Jersey milk, or less; whereas nearly two gallons of Shorthorn milk

Salting and Working of Butter.

as good as trap nesting, it makes better breeding the keeping quality of butter; and (3) to facilitate the Women's Christian Temperance Union, died at the removal of buttermilk.

The proper amount of salt to use in order to impart a desirable flavor depends chiefly upon the market Some customers prefer a medium high saltremeters Charcoal is used to keep poultry and pigeons in in butter; others again like butter which contains be used in speaking of the Colonial Conference, as a healthy, thriving condition, and this is done by the very little salt. The English market demands it would imply a body of an authoritative rather charcoal absorbing all the foul gases and sourcess rather light-salted butter. In fact, this is the case than an advisory nature. that may arise in the digestive organs, and preventing with practically all European markets. American

markets, as a rule, demand comparatively highfed (even by practical poultrymen) and in nine cases of the salt is usually present in an undissolved con-guarded against in a measure by the use of charcoal, that contains the salt thoroughly discolved and military avents. guarded against in a measure by the use of charcoal, that contains the salt thoroughly dissolved and well several naval and military experts.

The amount of salt to be added should be based i ng the little ones, and if kept before them con-upon the least variable factor. Some creamerymen mines have not yet come to terms, though the prosstantly it will help them to reach maturity at an measure the amount of salt according to the amount of the cream in the churn. While the box-churn and Mason butterworker were being used, many makers preferred to weigh the butter as it was trans- to establish a municipal street railway passed by a ferred from the churn to the worker. The method vote of 466 to 148. mostly in use now, and to be recommended, is to base the amount of salt upon the number of pounds A gang of counterfeiters, who have been engaged

of fat. The amount of salt to use per pound of fat in making and circulating worthless coins, have been therefore, according to the conditions menioned below, and also according to local conditions. Alta. Usually from half an ounce to one and a half ounces of salt per pound of butter-fat is most suitable. In whole-milk creameries the salt is often estimated interest on money loaned at the exorbitant rate of per hundredweight or per thousand pounds of milk. a hundred and twenty per cent. To get the butter salted uniformly from day to A leaflet by the British Board of Agriculture day is very important, as a small variation in the is clipped from the Dairy World, in which the salt-content has a greater effect upon the quality places the number of wage earners in Canada at art of making Devonshire cream is set forth, of butter than has a small variation in any of the 814,930 of which 81.75 per cent are males. delicacy if he will. The writer remarks that to 2 per cent. in the salt-content can very easily Devonshire cream is strongly recommended by the medical profession as an excellent fatty food, and is displacing to some extent the use of cod-The conditions upon which the proper amount the preparation of clotted cream, it is desirable expressed during working. Secondly, it depends ber of people buy anything that is offered, because to use rich milk, such as is produced from the upon the amount of working the butter receives. to use rich milk, such as is produced from the upon the amount of working the butter receives, Channel Island breeds of cattle; but this is not and at what time the bulk of the working is done, essential, and the evening's milk from Short-horn cows will produce very good cream indeed. In Devon and Cornwall clotted cream is largely more butter is worked, up to a certain limit, the more butter is hoing expressed and the more sail more butter is hoing expressed and the more sail. made from the milk of Devon cattle, which are more brine is being expressed, and the more salt and long time deals. admirably suited for the purpose. Crosses with should be added to the butter. Thirdly, the amount It may not always be wise for a man to wait till

2. The pans of milk are left undisturbed in a It is undoubtedly due to these facts that the coel dairy for the cream to rise. In summer, sale-content and the condition of salt in butter vary twelve hours or less is the time allowed, but in so much at the different creameries; they even vary

MCKAY AND LARSEN

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Events of the Week.

BRITISH AND FOREIGN.

Lord Haliburton is dead. He was the son of the well-known Justice Haliburton of Nova Scotia, and Under-Secretary of War from 1895 to 1897.

King Edward's tour of the Mediterranean is likely to result in more friendly relations between Italy and Spain.

* * *

Mrs. Esther McNeil, founder and first president of

According to the advice of Premier Laurier and General Botha the term "Imperial Council" will not

Several thousand skilled workmen have been When the droppings are too soft is the time to salted butter, as much as will properly dissolve in dismissed from the Woolwich arsenal as a result of lard against diarrhœa by giving more charcoal in the butter. The salt-content of butter may vary the policy of reduction in military expenditure. They marched to the House to present their case.

CANADIAN.

The miners and operators of Canadian Western pects of a satisfactory settlement look brighter.

The by-law to raise \$250,000 in Calgary, Alta., * * *

broken up and one of the party arrested at Red Deer.

along the ough apart two boards our gables off to put you wish ls from get-

me's mind when it that growr that layge. When iens should amount of not fatten. sold to the

THOMAS.

£. temporary

made the he seventh gg is rolled sometimes er germ is break or allantois, s a bag or tois serves xvgenated

incubation side which

How to Make Devonshire Cream.

so that every dairy farmer may prepare the other butter constituents. A variation of 1 per cent and is displacing to some extent the use of codliver oil amongst invalids. Devonshire cream is of salt depend are: First, the amount and condition very rich, containing from 50 per cent. to over of moisture in the butter at the time the salt is added. 60 per cent. of fat, and this fat is of a more If there is a great deal of loose moisture in the butter, digestible kind than any other, being present in more salt is necessary. This is due to the fact that the cream in a finely emulsified condition. In the salt will go into solution in the water and be Channel Island cattle are also commonly of salt to add depends also upon the size of the butter he has all the money to buy an outfit which costs employed.

The cream is prepared as follows:

pains, only deeper.

1. Whole milk, warm from the cow, is care-tully strained into setting pans. The pans most suitable for the purpose hold about six quarts of milk, measuring fifteen inches across the top, seven inches in depth, and eleven inches across the top. he bottom; they are, in fact, similar to shallow water in the churn, consequently less salt is neces- thing of the past, and all parties concerned would be sary in the first place.

* * *

Pawnbrokers in Toronto were fined for charging

A Dominion blue book recently issued from Ottawa

Reports have come west that, the Canadian Soo

EDITOR FARMER'S ADVOCATE: I wish to endorse the article by "Farmer" in your issue of April 10th, on the cash system. As a business man I wish to say it is a curse to both the business man and the farmer, and the sooner it is cut out the better it will be for all parties, and the better value the farmer

The cream is prepared as follows: T. Whole milk, warm from the cow, is care-t. Whole milk, warm from the cow, is care-the difficulty of salt to add depends also upon the size of the butter. If at least 50 per cent. of it, or wait a little longer. The salt and quite hard, they In justice to himself he ought not to buy any till he benefited. H. CATER.