as not to bruise

ve used to throw ang over outside verlapping each n stones at each blown off. If so shed the rain. d "rustle" when in cellar for the same as before, ning underneath

oof and not too ight for two or d one or two ind it advisable he winter, using st and quickest ade.

is an air space

eet 6 inches by iail laths on the es apart. Then der it, at a cond of the rack onions will roll x two pieces of about 8 inches exit for onions bout to get the ones"picklers

iss the opening ed. Then this led into a crate

is in the spring the rack, and nat may have y kept exceed-The main ily dry before ticipate storing gh prices in the ecupation on a t these crates esting. "PICKLER."

xhibition to be igust 25, 26 and all of Canada

## s on Cows

ecommended or ald you advise fly time?' If

DAIRYMAN. eventives that

airly good. upon a strong urce of danger one remedy in nmended and flies from cows, vere obliged to ssible to apply ons at or about seded, without

increase in the total amount of butter-fat produced by the one lot (protected in stable) over the other (out of doors and unprotected) was not sufficiently greater to pay for the increased trouble and expense entailed in stabling the cows during the greater part =

July 7, 1909

of the day.' The one experiment would lead us to think that many farmers have "a defect of sense" and are "turning trifles into things of consequence." However, we submit that it is one of those questions about which it is very difficult to secure proper comparative Some other factor, such as frightening the cows when applying the mixture, or fretting of cows while being kept in the stable, may have entered into of two kinds, English and American, the former with Persian insect powder, going over them three the question. From enquiries among Canadian being much thicker. Dilute the water-glass with times at intervals of about a week when it will be cheesemakers we find that those parameters who are free from the using remedies for protecting their cows from flies, to sink. This will usually require about one part are dropping least in the milk supplied to cheese of American water-glass to seven parts of water,

Man. factories. On the whole, notwithstanding the evidence quoted, we are inclined to favor the use of odor as possible and one which may be applied with a hand spray pump. This can be done daily in a short time. We should also favor remedies which do not make the coats of the cows greasy and sticky. All tar and oil preparations make the coats in a sorry mess, especially those of white cows. With some it is impossible to get the mixtures out of the bair and some form of fly repellant. Get one with as little impossible to get the mixtures out of the hair and skin. No amount of scrubbing will remove the stuff. This must be more of the spring, until she sheds her coat in the spring.

PROF. H. H. DEAN This must be more or less uncomfortable for the cow,

#### Cost Versus Beauty in Cows

The proud owner says "this is a high grade Canadian, and this is a pure-bred Holstein. The admiring visitor to the cow stable remarks "what beautiful cows." The thoughtful student "What yield of milk and fat do they give?" The practical man enquires: "What does their milk cost?" And the hard business sense of the dairyman leads him to determine cost of production of milk and fat through the medium of cow testing associations. The high grade cow may give but a poor weight of milk, the pure bred may test low, while the common grade may possibly be producing milk at the lowest cost. No one knows definitely just what the cost poor cows; or they may be reduced by skilful economical feeders to 35 cents per one hundred and 10 cents per pound.

find out what profit each cow brings. Enormous improvement, and largely increased profits have Dairy Commissioner, Ottawa. A good record in the throat or hard breathing. for this month from a herd of 18 cows is an average of 1020 pounds milk, 3.9 per cent test, 39 pounds fat. One grade in the herd gave 1530 EDITOR FARMER'S ADVOCATE: pounds milk testing 4.0 per cent fat.

Ottawa, Ont.

this year. Cows are expected to make some profit. in our houses, are put on shelves about two feet from Great expectations are not always realized, and if the floor with a board between the nests and the wall. pasture is poor, how is the milk flow to be kept up? The covers are hinged to the wall above at such an analysis of the state of the such and the state of the such and the state of the such and the state of the such as the s Happy the man who has provided for a supply of angle that the fowls cannot roost on them. green feed.

Some check should be kept on the yield of each cow. If the milk is weighed on only three days a month and samples tested once a month, then the owner will know very closely which are the heaviest owner will know very closely which are the heaviest it with an ordinary white wash brush. It is said to by all interested parties. The disturbances that will bring those storms are similar to those that will bring those storms are similar to those that owner will know very closely which are the heaviest it with an ordinary white wash brush. It is said to

cows can be detected, and some that might produce more if fed better will be given the opportunity.

profit. This is evidence of good business managedust an ounce or two of sulphur or a little Persian all of Winnipeg. The No one wants to harbor a cow that is incapational insect powder. Road dust might be better than ble of making a good profit. Does each one of your ashes but we have seen no ill effects from the ashes, cows pay? Do you know that she does? Guess and the dust bath is easily renewed.

The dust bath is easily renewed.

work won't do these days.

# **POULTRY**

# Simple Egg Preservative

or one part of the English silicate to twelve of Place the solution in a tub, in which the water.

pickle no eggs not known to be absolutely fresh, and be sure that each egg is completely immersed throughout the whole period of preservation. It sbetter to keep the tub of eggs in a cool place.

The census bureau, Ottawa, estimates that the population of the prairie provinces, which was only population of the prairie provinces, which was only past three years. The estimate is as follows:

With the foregoing directions carefully follow ed, the water-glass method will, at a cost of about a cent a dozen, preserve eggs four to six months in a condition quite good enough for use. Beyond that length of time results are not so reliable, although, in some experiments by the Aberdeen and North of Scotland College of Agriculture, eggs kept in water-glass four years were preserved in a condition not unsuitable for culinary purposes. Eggs immersed in waterglass come out looking fresh, with a clean appearance, after the chemical is washed off them.

## Remedies for Poultry Troubles

While doctoring fowls is rarely worth a poultry-man's time, there are certain ailments that yield readily to treatment, and certain medicines which, at hand, may be used to advantage with fowls until some record is kept. Milk may cost 92 slightly affected, from errors in feeding perhaps, or cents per 100 pounds, fat 25 cents per lb. These cost prices may be up to \$2.00 per 100 pounds. of milk and 50 cents per pound of fat with some troubles or when a bird is off color; roup powder for poor cows; or they may be reduced by skilful colds and roup; linseed when stewed has a soothing as well as strengthening effect after sickness; carbo lized vaseline and iodoform powder used together form This all goes to prove that the careful dairy- a good ointment for cuts, bruises and torn combs; man, and particularly the average and possibly permanganate of potash, dissolved in water, to be careless farmer, should take immediate steps to used to cleanse the mouth and throat; powdered find out what profit each cow brings. Enormous chalk, to use with ground ginger for diarrhea. Liquids: Castor oil for use when birds are over heated; improvement, and largely increased profits have been made by the men who are sufficiently alive to their own interests to weigh and sample each cow's milk regularly and keep a record of feed chemical food given in drinking water as a tonic; consumed. Blank forms for milk and feed tincture of arnica and tincture of iodine for painting records are supplied free on application to the on the lungs when birds are suffering from rattling

# Poultry Woman's Plan

Some check should be kept on the yield of each from the wall and overhead.

There was a little lowis cannot roost on them. These are all taken out and the dust and cobwebs swept from the wall and overhead.

owner will know very closely which are the heaviest producers. If weights are taken at every milking steps can then be taken to remove the cause.

If a record is kept of the feed, the most profitable are not nabobs and have to use what we have.

The flears when the house was built covered several.

The floors when the house was built covered several The floors when the house was built covered several inches deep with sand and gravel. Once a year this is taken out and replaced by fresh material. A box about eighteen inches square is kept in each pen, kept six inches deep with ashes in which we sometimes the surface of \$1,000,000 and chief place of business at Winnipeg. The provisional directors are: Norman G. Leslie, Conrad S. Riley, kept six inches deep with ashes in which we sometimes This is what members of the cow testing associa- is taken out and replaced by fresh material. A box so as to make sure that each single cow kept gives a kept six inches deep with ashes in which we sometimes

Record blanks are supplied free on application put in new roosts and nest boxes or thoroughly to the Dairy Commissioner, Ottawa. Many men since cleanse the old ones. We have scrubbed our old commencing to record are now receiving \$60 per cow when they used to get but \$40, because they know tion of Gillett's lye applied inside and out with an which are the economical producers. It certainly old broom. Then we paint the roosts with coal oil or Cyphers lice paint. The latter is destructive to restrictive to a very considerable extent, contractors regarding them as better or Cyphers lice paint. The latter is destructive to remark the latter is destructive to remark that we thought it injured the latter is destructive to remark the latter is destructive.

sever seemed so bright for a few days. A good way to rid a house that can be closed tightly of lice and mites, is, during the absence of the fowls, to place an iron vessel in the middle of the floor well isolated from any inflamable material. In this vessel place a quantity of shavings, saturated with coal oil, and over these sprinkle sulphur at the rate of one pound for every one hundred feet of floor space light this Simple Egg Preservative

Perhaps the simplest and best means of preserving eggs for autumn use is to put them away in water-glass (sodium silicate). Water-glass is a substance resembling honey in consistency, and is would be well now to thoroughly dust each fowl of two kinds. English and American the former with Persian insect powder gives over these them.

MRS. WM. KINLEY.

# FIELD NOTES

## Prairie Population

	June, 1906	May, 1909.
Province	Census.	Estimate
Manitoba	. 365,688	484,519
Saskatchewan	. 257,763	349,645
Alberta	. 185,412	273,412

808,863 Of the increase at least 150,000 is said to have come from the United States, as only 148,700 of overseas immigrants have come west, 233,000 of them having settled in the Eastern provinces.

# Grenfell Plowing Match

A successful plowing match was held by the Grenfell Agricultural Society on June 23rd. The usual classes were arranged for good competition developed in all sections. William Turner, Carrol, Man., winner of last years provincial championship acted as judge. Jas. Dale won first in the walking plow class, George Hyde and James Fotheringham being placed second and third. Edward Wyatt, won first in sulky honors sweepstakes prize for the best plowing in the
. The boys prize was won by Douglas Richardson. The youngest plowman was Tom Amy, 11

## Foster's Forecast for July

Foster's latest weather bulletin forecasts a disturbance to reach the Pacific coast by July 7, cross Pacific slope by close of 8, great central valleys 9 to 11, Eastern States and Provinces 12. Warm wave will cross Pacific slope about 7, great central valleys—longitude 105 to 85—about 9, Eastern States and Provinces longitude 20 to 7. Eastern States and Provinces-longitude 80 to 75 -about July 11. Cool wave will cross Pacific slope about 11, great central valleys 13, Eastern States and Provinces 15.

The disturbance will inaugurate the most severe storm period of the month and for ten days-July 11 to 20-better be on the watch for dangerous During these hot days of July people love to be on the water and, therefore, I advise all to select some other period than the ten days

In cleaning up a poultry house first carry out of the the southern or cotton States, and I am expecting building nests, roosts, dropping boards, dust boxes, etc. The roosts should rest in sockets so that they est temperatures usually occur not far from July Cow Testing Associations

Now that the factory season is getting into full swing, farmers are wondering how the cows will do his year. Cows are expected to make a constant of the factory season is getting into full three or four boards nailed together. The nest boxes, north-western States and Canada. The highest est temperatures usually occur not far from July 10, the highest averages to occur eight or ten days earlier. Not far from July 5 very low temperatures will prevail about Chicago, through the proving them to have every peratures will prevail about Chicago, through the proving them to have every peratures will prevail about Chicago, through the proving them to have every peratures will prevail about Chicago, through the proving them to have every peratures will prevail about Chicago, through the proving them to have every peratures will prevail about Chicago, through the proving them to have every peratures will prevail about Chicago, through the proving them to have every peratures will prevail about Chicago, through the proving them to have every peratures will prevail about Chicago, through the proving them to have every peratures will prevail about Chicago, through the proving them to have every peratures will prevail about Chicago, through the proving them to have every peratures will prevail about Chicago. of Canada

> Some danger of destructive hailstorms, These is central. Those hail storms sometimes do great damage and that period will be closely watched by all interested parties. The disturbances that will bring those storms are similar to those that too early for that class of storms.

> > The Canada Gazette contains notice of incorpora-tion of the St. Boniface Union Stock Markets Com-

Winnipeg and will be replaced in construction